

PARTS MANUAL

CHALLENGER

**H45-65XM
(H177)**

CUSTOMER EDITION

HYSTER

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ABBREVIATIONS QUICK REFERENCE SHEET

Listed below are abbreviations used in parts manuals to denote the following expressions:

TERM	DEFINITION	TERM	DEFINITION
Amp	Amperes	FRE	Freezer Environment
AR	As Required	in.	inches
BDI	Battery Discharge Indicators	LPG	Liquefied Petroleum Gas
BWI	Brush Wear Indicator	MAP	Manifold Absolute Pressure
CE	Communicator End	mm	millimeters
CRE	Corrosive Environment	MSTS	Microprocessor Spark Timing System
D/B	Date Break	NPT	National Pipe Threads
dbA	Decibel "A" Scale	O/S	Oversize
DE	Drive End	PTO	Power Take Off
ECH	Empty Container Handler	RPM	Revolutions per Minute
ECH-3	Empty Container Handler - 3 High Stacking	S/N	Serial Number
ECH-4	Empty Container Handler - 4 High Stacking	TMM	Truck Management Module
ECH-5	Empty Container Handler - 5 High Stacking	UL Type D	Diesel-Powered Safety Rating
ECH-6	Empty Container Handler - 6 High Stacking	UL Type DS	Diesel-Powered Safety Rating
ECH-7	Empty Container Handler - 7 High Stacking	UL Type E	Battery-Powered Safety Rating
ECM	Electronic Control Module	UL Type EE	Battery-Powered Safety Rating
ECN	Engineering Change Notice	UL Type ES	Battery-Powered Safety Rating
EEPROM	Electrically Erasable Programmable Read Only Memory	UL Type G	Gasoline-Powered Safety Rating
EPROM	Electrically Programmable Read Only Memory	UL Type GS	Gasoline-Powered Safety Rating
		UL Type LP	Gas-Powered Safety Rating
		UL Type LPS	LP Gas-Powered Safety Rating
		U/S	Undersize
		UL	Underwriters Laboratory
		V	Volts

HOW TO USE THE ILLUSTRATED PARTS MANUAL

This parts manual describes and illustrates assemblies, subassemblies, and detail parts needed for service replacement.

The different constructions are indicated by keys and footnotes. The callouts correspond to descriptions found on the next page.

HYSTER UNIT CODE D001 NORTH AMERICA H177/001

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FRAME

ELECTRICAL SYSTEM

TRANSMISSION HOUSING

KEY:
A: Diesel
B: Gasoline and LPG

ITEM	PART NO.	DESCRIPTION	QTY
1	2029547	Transmission Case	1
2	2029329	Transmission Switch	2
3	2021670	Oil Seal	4
4	2023418	Bearing Cap	1
5	2026426	Washer	2
6	2021393	Oil Seal	2
7	1311655	Collet Pin	4
8	2021329	O-Ring	1
9	2021815	Pin	4
10	2021675	Housing	22
11	2021330	Pin	39
12	2027860	Bolt	1
13	252682	Lockwasher	1
14	2021345	Hydraulic Pump	1
15	214364	Pin	8
16	256419	Washer	1
17	2021388	Temperature Switch	1
18	2021389	Breather	9
19	2021393	Pin	2
20	2021315	Pin	3
21	136927	Bolt	2
22	202367	Cap Screw	4
23	202351	Lockwasher	4
24	253637	Bolt	1
25	253637	Washer	1
26	296470	Transmission Kit (includes item 21)	1
27	996103	Transmission Kit (includes item 14)	1
28	996105	Transmission Kit (includes item 14)	1

The Parts Manual is divided into 11 major sections, which are listed above. Quick reference can be made by placing the right thumb on the left of the desired section, bending the page to the corresponding tab.

HP990004

HOW TO FIND THE DESIRED PART NUMBER

WHEN THE PART NUMBER AND THE NEXT HIGHER ASSEMBLY IS NOT KNOWN:

1. Determine the function and application of the part required. Turn to the Sections Page. Choose the general area of reference most likely to include the part.
2. Turn to the section you chose. Use the Section Table of Contents to determine the assembly which would normally contain the part required. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS NOT KNOWN AND THE NEXT HIGHER ASSEMBLY IS KNOWN:

3. Determine the assembly the required part is used on. Turn to the Table of Contents on Page i.
4. Locate the assembly the required part is used on and turn to the page indicated for that assembly. Then locate the part on the assembly breakdown page.

WHEN THE PART NUMBER IS KNOWN:

5. Use the Numerical Index on Page 13-1 to find the part number. Turn to the page listed and locate the part as indicated by the item number.

GENERAL:

The assembly breakdowns include part numbers, descriptions, quantities required, keys and footnotes to help in selecting correct parts.

6. Five periods in the PART NO. column (.) indicate that the part is either *Not Serviced Separately* or there is a reference to another figure. A figure reference is denoted by a pointing hand followed by a figure number in the DESCRIPTION column (☞ Figure 10)
7. Keys are used to show two or more similar assemblies, RH and LH assembly parts, etc. Select the appropriate key, "A", "B", "C", "D", or "E" and the corresponding quantity column to find the required parts. Two periods in the QTY column (..) indicate that the part is not used for that assembly.
8. Indented descriptions under the DESCRIPTION column are used to indicate assemblies and subparts of assemblies. In the example on the

previous page, *BEARING CAP* (Item 2) is a subpart of the major assembly *CASE*.

9. Quantities shown are for one assembly. The quantities of the subpart *BEARING CAP* are indicated as two and two. This means two per *CASE* assembly.

10. Serial number breaks identify the most current parts information and are shown as follows:

⇒ **S/N D001H-2628**

Indicates last serial number affected.

S/N D001H-2629 ⇒

Indicates the first serial number affected.

S/N D001H-1553 ⇔ S/N D001H-3291

Indicates a range of serial numbers affected.

ECN numbers for pending serial numbers are shown to allow for the inclusion of the most current parts information and are identified as follows:

⇒ **S/N Pending Per ECN 63243**

Indicates a pending serial number for last unit affected.

S/N Pending Per ECN 63243 ⇒

Indicates a pending serial number for first unit affected.

Date breaks are used to indicate when a change occurred but a subsequent serial number break was not recorded. This is an arbitrary date usually based on the ECN release and are identified as follows:

⇒ **D/B 3/00**

Indicates that a change occurred sometime within that month for the item affected.

D/B 3/00 ⇒

Indicates that a change occurred sometime within that month for the item affected.

D/B 3/00 ⇔ D/B 4/00

Indicates a range of production dates of the item affected.

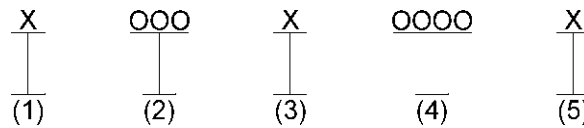
Contact your local dealer for Hyster lift trucks for serial number information for items with a ECN or a date break.

ORDERING PARTS:

When ordering replacement parts, give the unit serial number, part number, name of part and quantity required.

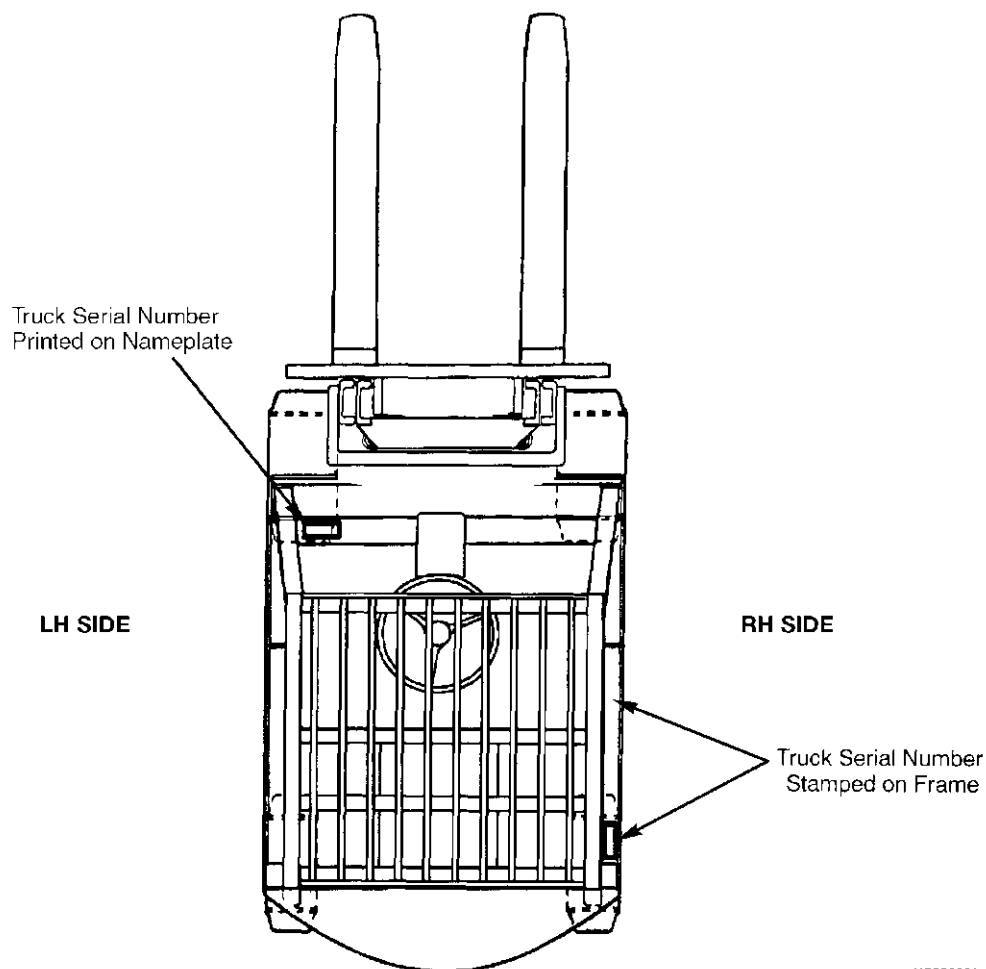
For any further information on parts, service, or ordering, consult your local dealer for Hyster lift trucks.

IDENTIFICATION OF TRUCK SERIAL NUMBERS



- (1) and (2) The first letter and three numbers indicate the truck unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the truck.
- (5) The final letter indicates the year of manufacture starting with "A" in 1957 and 1980. The letters "I", "O", and "Q" will not be used.

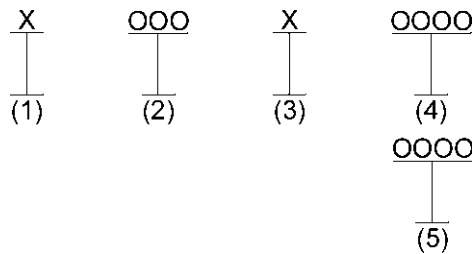
For pending serial numbers contact your local dealer for Hyster lift trucks.



HP990001

Parts referred to in this book as right or left hand parts are in accordance with the illustration above.

IDENTIFICATION OF MAST SERIAL NUMBERS



- (1) and (2) The first letter and number indicates the mast unit code.
- (3) The second letter indicates the plant of manufacture.
- (4) The four or five digit number indicates the production sequence number of the mast.
- (5) Carriage travel in millimeters stamped just below the serial number.

Mast Group identification consists of mast unit code (1) and (2) plus carriage travel (5).

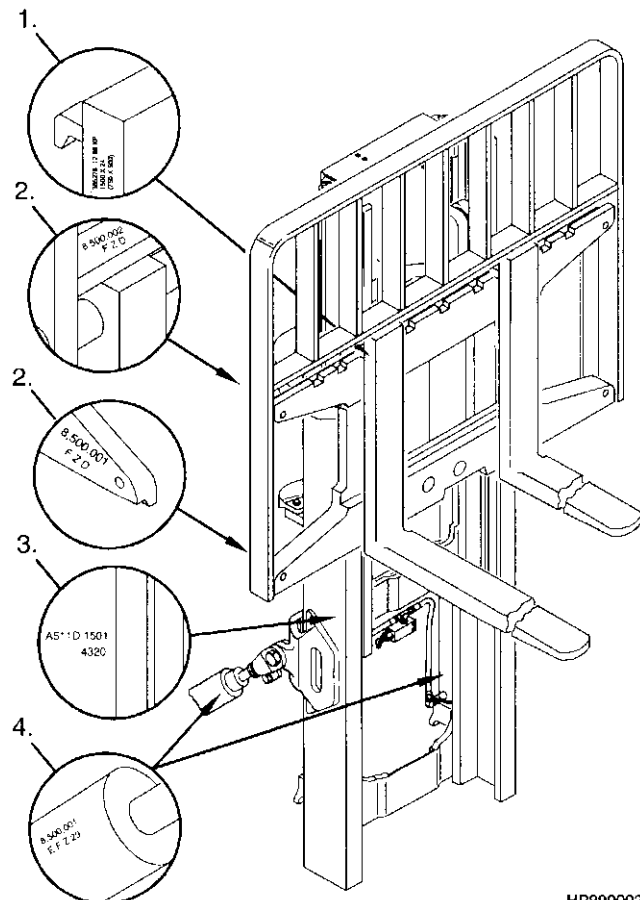
For pending production sequence numbers contact your local dealer for Hyster lift trucks.

LIFT EQUIPMENT IDENTIFICATION

1. Fork part number, capacity rating, plant code letter, and date of manufacture are stamped approximately six inches below the top of most forks.
2. The carriage group number is stamped on the right hand side of the top crossmember (pin type) or on the back of the right hand end of the bottom crossmember (hook type). A date code has two letters in line with or below the carriage group number.
3. The mast identification number has a unit code, a letter indicating the plant of manufacture, and a serial number. Underneath the production sequence number is a four digit number that indicates the carriage travel in millimeters.
4. Tilt and lift cylinder group numbers are stamped on the cylinder shell.

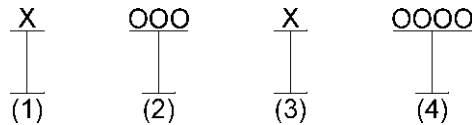
Always refer to the group, serial, or part number when ordering service parts.

Modification of masts and carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". contact your dealer for Hyster lift trucks for information on these assemblies.



HP990002

IDENTIFICATION OF ATTACHMENT AND SIDE-SHIFT CARRIAGE SERIAL NUMBERS

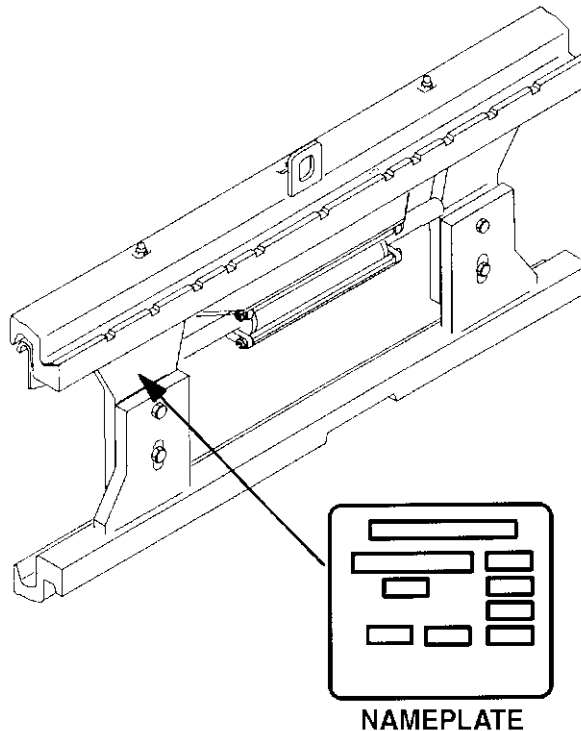


(1) and (2) The first letter and three numbers indicate the attachment unit code.

(3) The second letter indicates the plant of manufacture.

(4) The four or five digit number indicates the production sequence number.

For pending production sequence numbers contact your local dealer for Hyster lift trucks.



HP990003

Side-shift carriages and attachments have nameplates. Use the serial number found on the nameplate to identify the attachment.

Always refer to the group, serial, or part number when ordering service parts.

Modifications of attachments and side-shift carriages by SPED (Special Products Engineering Department) are identified by a model prefix code beginning with the letter "S". Contact your dealer for Hyster lift trucks for information on these assemblies.

PUBLICATIONS

Every new lift truck is provided with an OPERATING MANUAL. This manual has information that the operator must know for inspection and operation of the lift truck.

SERVICE MAINTENANCE MANUALS, which provide service and overhaul procedures, and PARTS MANUALS with complete replacement part identification, are available at a nominal fee from your Hyster dealer to assist users in effectively maintaining Hyster lift trucks in a safe, useful condition. See the list below for information on ordering specific publications for this model lift truck.

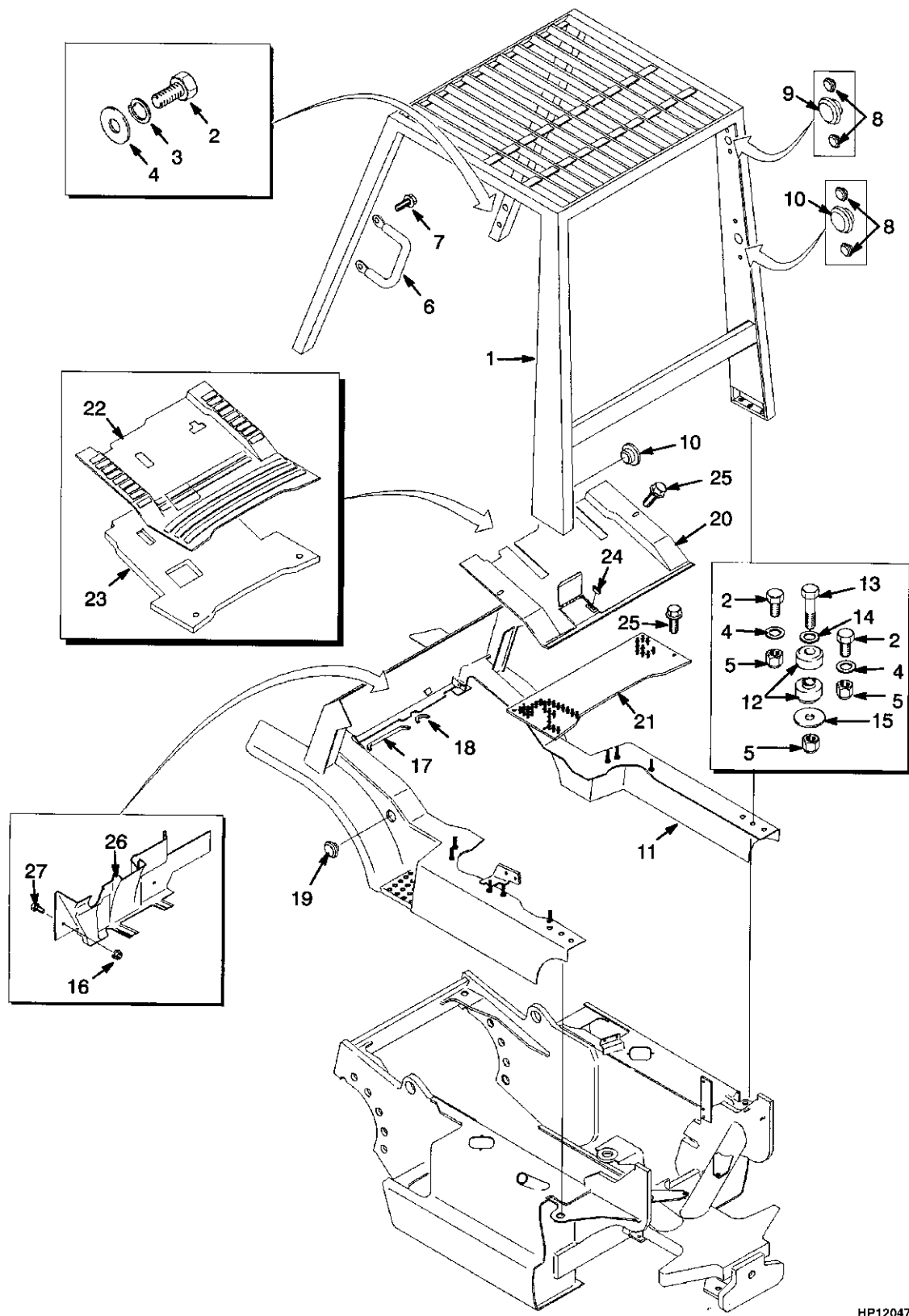
PUBLICATION	HYSTER PART NUMBER
Operating Manual	1458874
Service Manual (Complete)	1456964
Parts Manual	1458509

1	FRAME	

SECTION 1
FRAME

DESCRIPTION	PAGE
COUNTERWEIGHT	1-8
FORKS	
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LABELS.....	1-19
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SEAT.....	1-10
FULL SUSPENSION	
SHEET 1 OF 2	
S/N H177B-24915Y⇒.....	1-14
SHEET 2 OF 2	
S/N H177B-24915Y⇒.....	1-16

FRAME AND FLOORPLATES (Figure 1-1)



HP120478

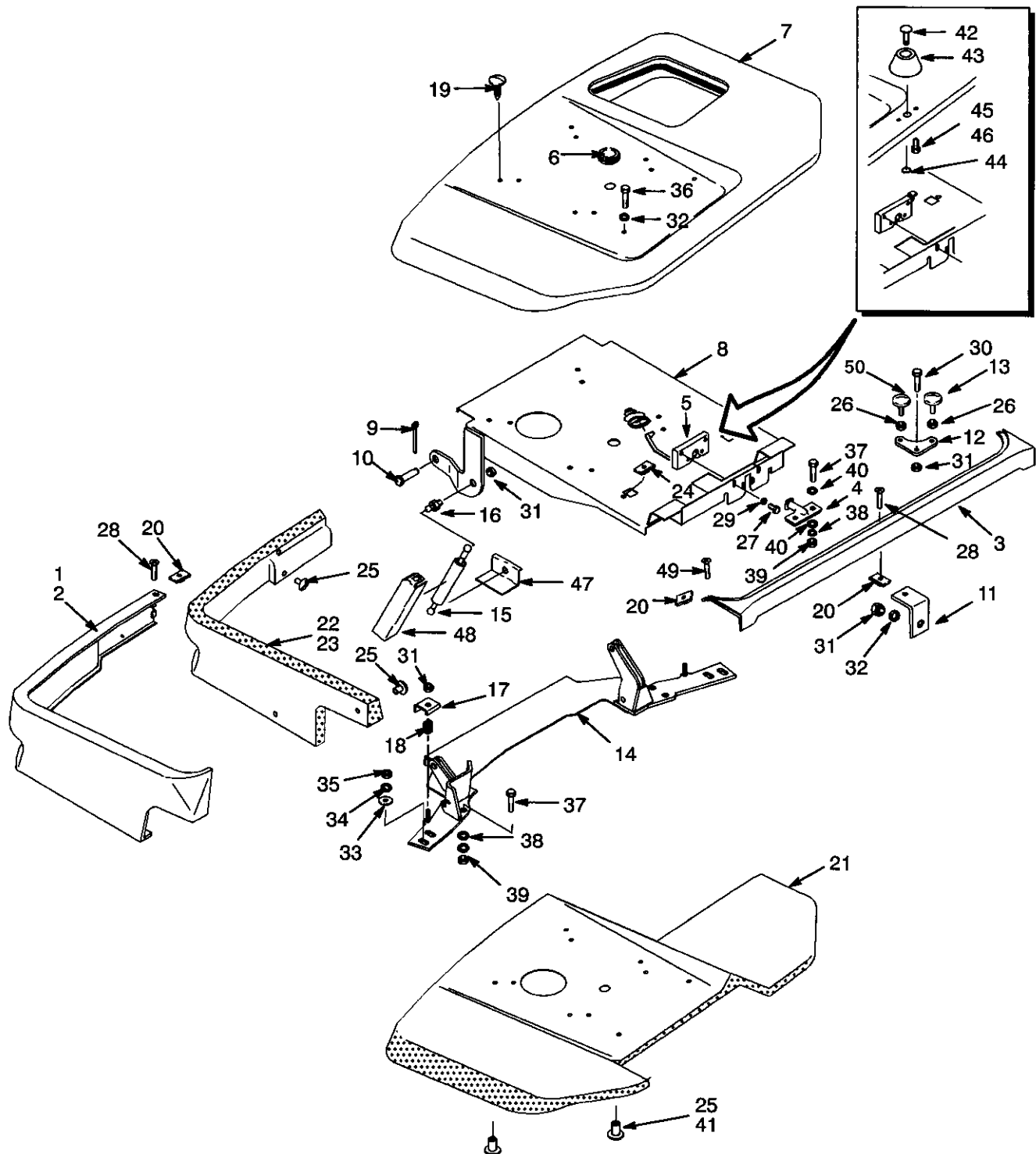
FRAME AND FLOORPLATES

ITEM	PART NO.	DESCRIPTION	QTY
1	c 1337179	Overhead Guard (Standard)	1
1	d 1485864	Overhead Guard (Standard)	1
1	c 1352608	Overhead Guard (Raised)	1
1	d 1485866	Overhead Guard (Raised)	1
2	292528	Capscrew.....	8
3	292683	Lockwasher.....	4
4	296423	Washer	8
5	1390182	Nut	8
6	1343647	Handle	1
7	329067	Screw.....	2
8	1363916	Plug	12
9	1363917	Plug	5
10	1363918	Plug	2
11	c 1360718	Frame	1
11	d 1483917	Frame	1
12	e 1383559	Mount.....	4
12	f 1461802	Mount.....	4
13	292536	Capscrew.....	4
14	320161	Washer (Rear Only)	2
14	320161	Washer (Front Only)	2
15	300939	Washer	4
16	1359600	Nut	2
17	1323052	Edge Trim	1
18	2007856	Trim	1
19	1350231	Plug	2
20	b 1339777	Floorplate (Front)	1
20	d 1483338	Floorplate (Front)	1
20	a 1359534	Floorplate (Front)	1
21	bc 1339773	Floorplate (Rear)	1
21	b 1483117	Floorplate (Rear)	1
21	a 1359535	Floorplate (Rear)	1
22	1354090	Floor Mat	1
23	ac 1390611	Barrier.....	1
23	ad 1502600	Barrier.....	1
24	1339776	Catch	1
25	1356100	Capscrew.....	4
26	1390607	Cover	1
27	292501	Capscrew.....	2

FOOTNOTES:

- a** With Low Noise
b Without Low Noise
c ⇒ S/N H177B-24941Y
d S/N H177B-24941Y ⇒
e ⇒ D/B 07/1998
f D/B 07/1998 ⇒

HOOD (Figure 1-2)



HP120662

HOOD

ITEM	PART NO.	DESCRIPTION	QTY
1	i 1343473	Panel (Lower RH)	1
1	bi 1343458	Panel (Lower LH)	1
1	bj 1485328	Panel (Lower LH)	1
1	j 1483882	Panel (Lower RH)	1
1	ci 1347096	Panel (Lower LH)	1
1	cj 1483881	Panel (Lower LH)	1
2	1392718	Latch (Over Center).....	1
3	j 1483884	Panel.....	1
4	1337148	Striker Plate	1
5	k 1386216	Latch	1
5	l 1483250	Latch	1
6	1359587	Grommet.....	1
7	k 1386217	Hood	1
7	l 1485343	Hood	1
8	h 1460367	Seat Pan	1
8	e 1466709	Seat Pan	1
9	1362714	Cotter Pin.....	2
10	237947	Pin	2
11	1351008	Plate	1
12	1347110	Plate	2
13	g 1347088	Stop Screw	4
13	n 1347088	Stop Screw	2
14	h 1454096	Crossmember	1
14	e 1473788	Crossmember	1
15	h 1377992	Gas Spring.....	1
15	f 1392812	Gas Spring.....	2
15	m 1513906	Gas Spring.....	2
15	ah 1377992	Gas Spring.....	2
15	ah 1338569	Gas Spring.....	1
16	h 1350285	Stud	4
16	m 1513907	Ball Stud	4
17	i 1347018	Clamp	6
18	i 1350241	Spring	6
19	1347045	Fastener.....	4
20	1350215	Nut (Foldover).....	4
21	d 1352124	Liner.....	1
22	d 1352125	Liner (RH)	1
23	d 1352126	Liner (LH).....	1
24	1350282	Nut	2
25	280644	Button	12
26	15001	Nut	4
27	199563	Capscrew.....	4
28	i 1339793	Screw.....	2
29	320156	Washer	4
30	136749	Capscrew.....	4
31	1458499	Nut	16
32	320158	Washer	3
33	1300117	Washer	6
34	292681	Lockwasher.....	4
35	239503	Nut	4
36	1354380	Capscrew.....	2

HOOD

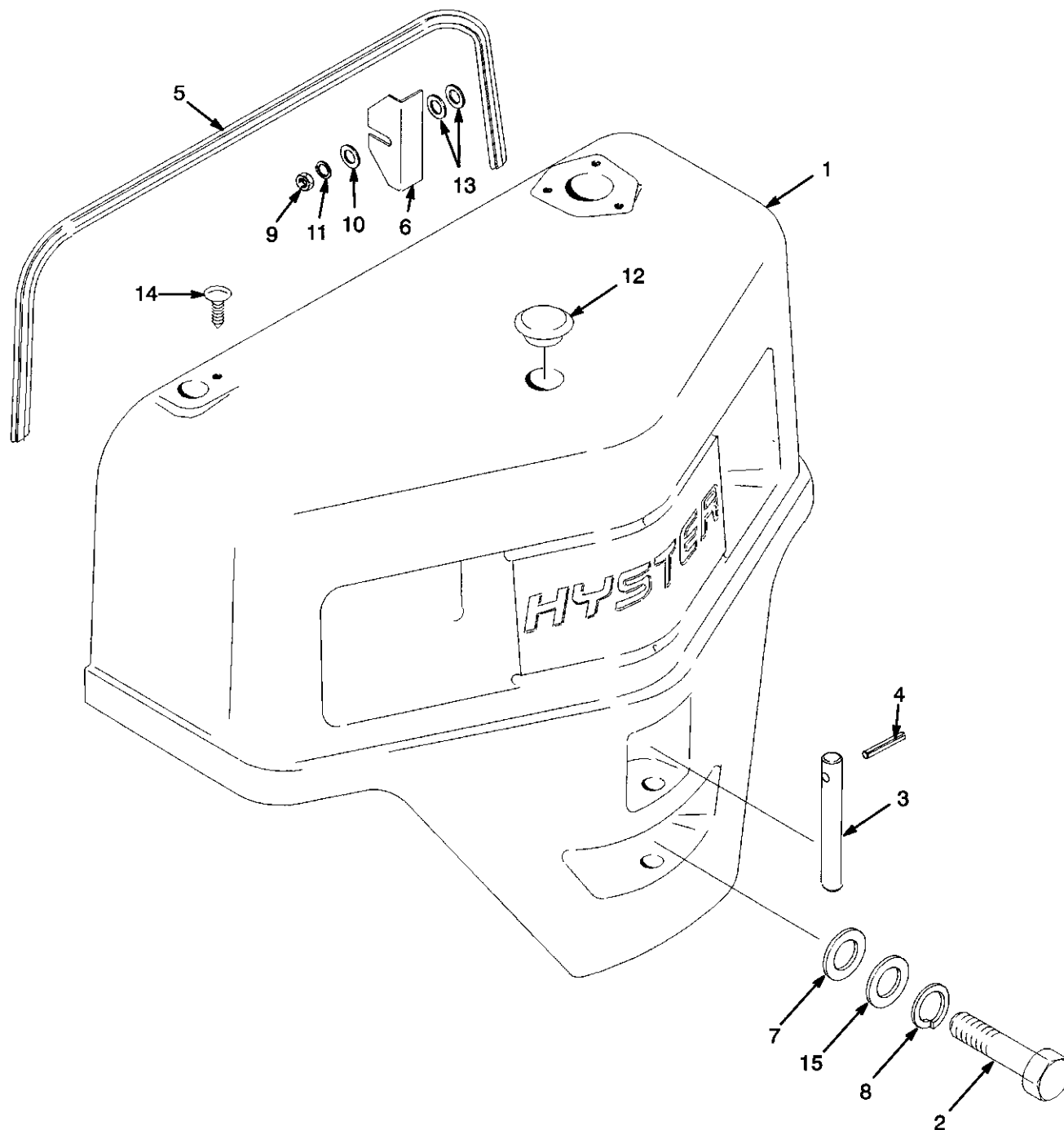
ITEM	PART NO.	DESCRIPTION	QTY
37	292515	Capscrew.....	6
38	292682	Lockwasher.....	6
39	136692	Nut	6
40	320159	Washer	4
41	1382306	Washer (Nylon).....	2
42	1386221	Button	1
43	1386220	Guard.....	1
44	12898	Snap Ring.....	1
45	227155	Screw.....	2
46	15931	Lockwasher.....	2
47	ah 1454655	Heat Shield	2
48	ah 1455464	Heat Shield	2
49	1456546	Screw.....	2
50	n 1528948	Stop Screw	2
	i 1373801	Hood Latch Service Kit (Includes Item)	1

FOOTNOTES:

- a** Diesel
- b** Gasoline and Diesel
- c** LPG
- d** Used with Diesel or with Cab options
- e** S/N H177B-22564 ⇒
- f** S/N H177B-22564⇔S/N H177B-30183Y
- g** S/N H177B-22564⇔S/N H177B-40524A
- h** ⇒ S/N H177B-23563
- i** ⇒ S/N H177B-24940Y
- j** S/N H177B-24941Y ⇒
- k** ⇒ S/N H177B-25059
- l** S/N H177B-25060 ⇒
- m** S/N H177B-30184Y ⇒
- n** S/N H177B-40525A ⇒

[illegible]

COUNTERWEIGHT (Figure 1-3)



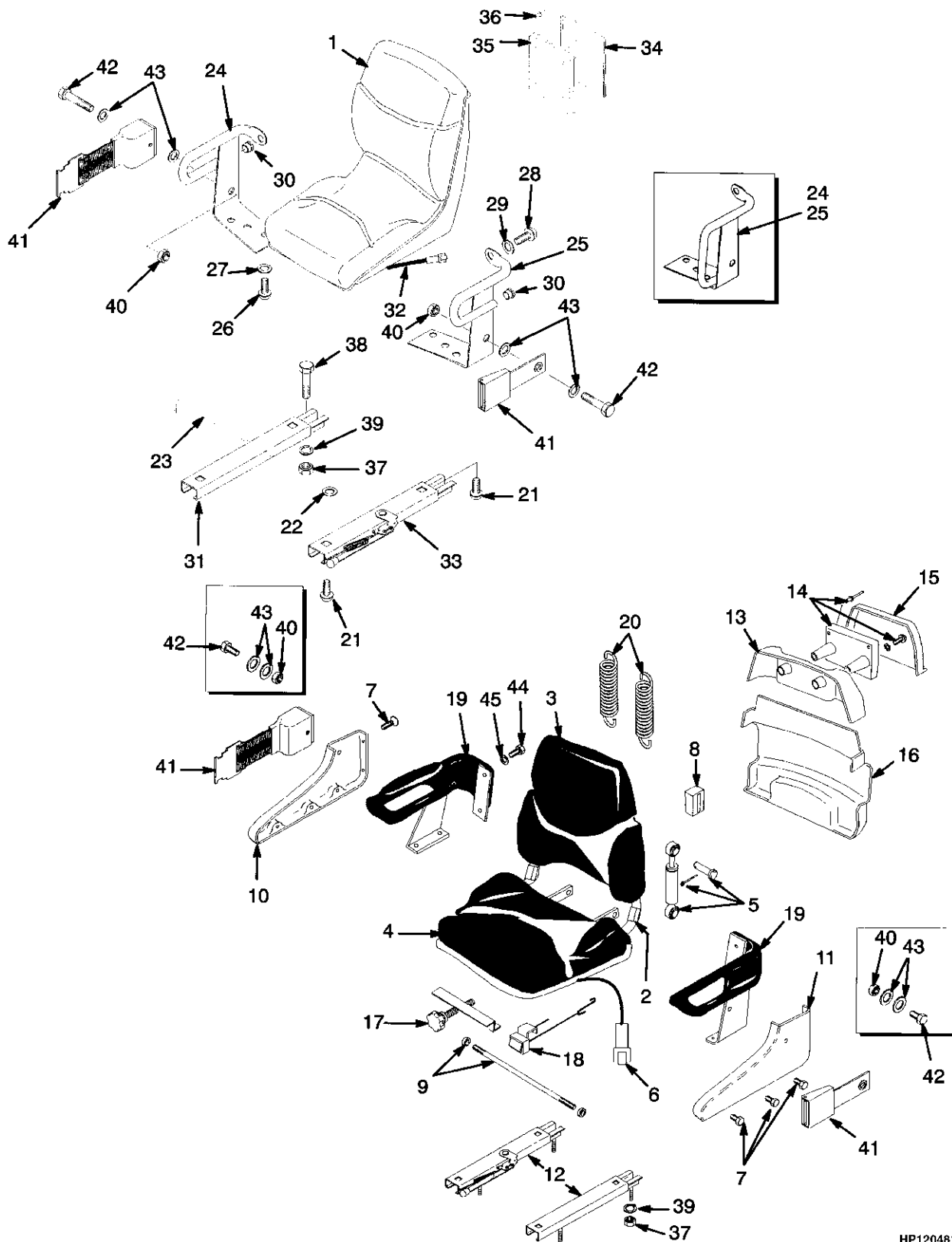
HP120480

COUNTERWEIGHT**KEY:****A: H45XM****B: H50XM****C: H55XM****D: H60XM****E: H65XM**

ITEM	PART NO.	DESCRIPTION	QTY				
			A	B	C	D	E
1	a 1351014	Counterweight	1	..	..	..	..
1	a 1335752	Counterweight	..	1	..	..	..
1	b 1335753	Counterweight	..	1	..	..	..
1	a 1351016	Counterweight	..	..	1	..	..
1	a 1335754	Counterweight	..	..	..	1	..
1	b 1335755	Counterweight	..	..	..	1	..
1	b 1335756	Counterweight	..	..	..	..	1
2	a 292607	Capscrew (3 in.).....	1	..	..	..	..
2	b 292608	Capscrew (4 in.).....	..	1	..	..	..
2	a 292612	Capscrew (5 in.).....	..	1	..	..	..
2	ab 292613	Capscrew (6 in.).....	..	..	1	..	1
2	b 292611	Capscrew (5 in.).....	..	..	..	1	..
2	a 292616	Capscrew (7 in.).....	..	..	..	1	..
3	1335761	Pin	1	1	1	1	1
4	1527470	Spring Pin	1	1	1	1	1
5	2053730	Seal	1	1	1	1	1
6	1335763	Shim (0.109 in.)	AR	AR	AR	AR	AR
7	2021562	Washer	1	1	1	1	1
8	292689	Lockwasher.....	1	1	1	1	1
9	239503	Nut	4	4	4	4	4
10	320158	Washer	4	4	4	4	4
11	292681	Lockwasher.....	4	4	4	4	4
12	1350231	Plug	1	1	1	1	1
13	320159	Washer	8	8	8	8	8
14	1347045	Fastener (Gasoline and Diesel)	1	1	1	1	1
15	296435	Washer	1	1	1	1	1

FOOTNOTES:**a** 1623 mm**b** 1700 mm

SEAT (Figure 1-4)



HP120481

SEAT**KEY:****A: Semi-Suspension****B: Non-Suspension**

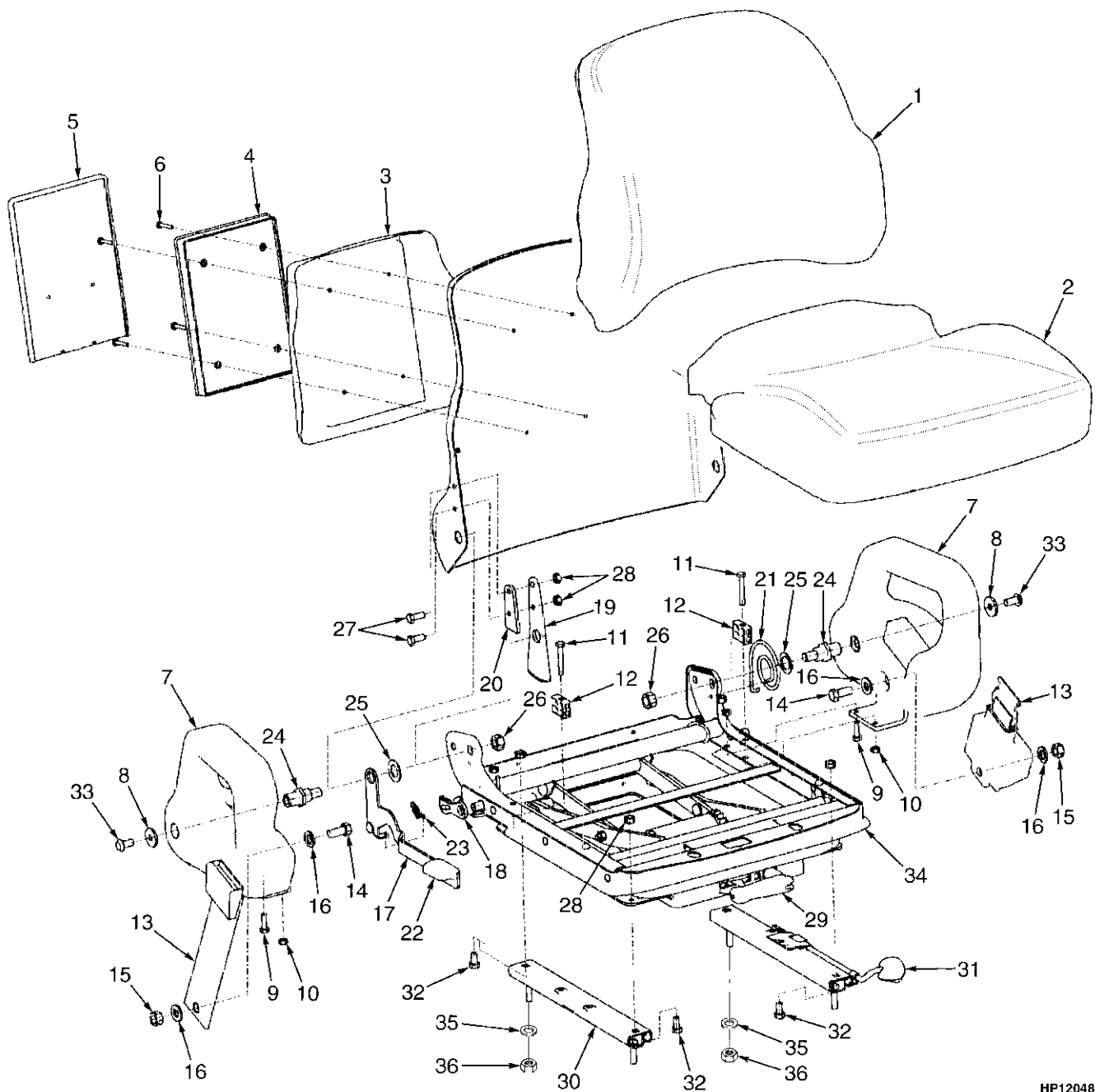
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1351431	Seat (Vinyl)	..	1
2	1376675	Seat (Vinyl)	1	..
2	1376676	Seat (Fabric)	1	..
3	1382111	Back Cushion (Vinyl)	1	..
3	1382113	Back Cushion (Fabric)	1	..
4	1382112	Seat Cushion (Vinyl)	1	..
4	1382114	Seat Cushion (Fabric)	1	..
5	1362049	Shock Absorber Kit	1	..
6	1354140	Switch Assembly	1	..
6	1330409	Connector	1	..
6	1330414	Secondary Lock	1	..
6	1330433	Pin	2	..
7	1362065	Hardware Kit	1	..
8	1362052	Block	2	..
9	1362053	Shaft and Bearing Kit	1	..
10	1392496	Cover (RH)	1	..
11	1392495	Cover (LH)	1	..
12	1459173	Slide Kit	1	..
13	1374188	Cover	1	..
14	1362058	Holder Kit	1	..
15	1374190	Cover	1	..
16	1360872	Cover	1	..
17	1362061	Knob Kit	1	..
18	1362062	Tape Kit	1	..
19	1362063	Hip Restraint (LH)	1	..
19	1362064	Hip Restraint (RH)	1	..
20	1367137	Suspension Spring Kit	1	..
20	1378307	Suspension Cable Kit	1	..
21	364914	Capscrew	..	4
22	221733	Washer	..	2
23	1300107	Rod	..	1
24	364807	Hip Restraint (RH)	..	1
25	364808	Hip Restraint (LH)	..	1
26	18727	Capscrew	..	4
27	18515	Washer	..	4
28	379197	Capscrew	..	2
29	379198	Washer	..	2
30	364854	Plug	..	2
31	383116	Seat Rail (RH) (RH)	..	1
32	1354140	Switch Assembly	..	1
33	335553	Seat Rail (LH)	..	1
34	335991	Cover (Information Case)	..	1
35	335988	Base (Information Case)	..	1
36	222029	Rivet	..	4
37	145639	Nut	4	4
38	18496	Capscrew (Rear)	..	2

SEAT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
38	18498	Capscrew (Front)	..	2
39	15175	Washer	4	4
40	379698	Nut	2	2
41	1374750	Seat Belt	1	1
42	379199	Capscrew	2	2
43	379697	Washer	4	4
44	1367148	Bolt	8	..
45	1367154	Washer	8	..

[illegible]

SEAT (Figure 1-5) FULL SUSPENSION SHEET 1 OF 2 (S/N H177B-24915Y⇒)

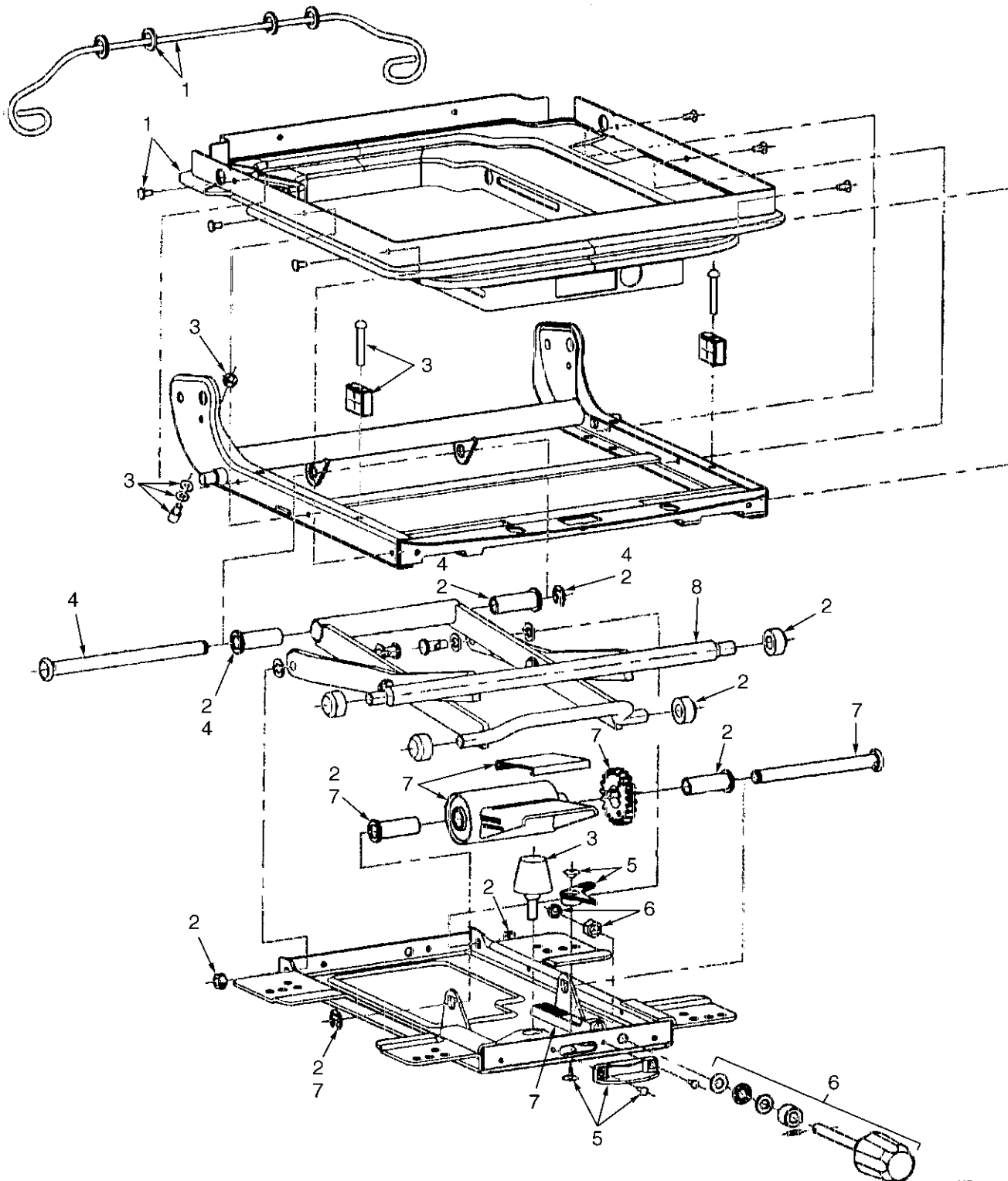


HP120482

SEAT
FULL SUSPENSION
SHEET 1 OF 2
(S/N H177B-24915Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1476713	Suspension Seat (Vinyl)	1
	1476714	Suspension Seat (Fabric)	1
1	1470152	Back Cushion (Vinyl)	1
1	1470153	Back Cushion (Fabric)	1
2	1494076	Seat Cushion (Vinyl)	1
2	1494077	Seat Cushion (Fabric)	1
3		Riser	1
4		Box	1
5		Cover	1
6		Screw	4
7		Hip Restraint (RH)	1
7		Hip Restraint (LH)	1
8		Washer	2
9		Bolt	2
10		Nut	4
11		Bolt	2
12		Block	2
13		Seat Belt	1
14		Bolt	2
15		Nut	2
16		Washer	4
17		Handle	1
18		Latch	1
19		Bracket	1
20		Spacer	1
21		Spring	1
22		Knob	1
23		Spring Extension	1
24		Pivot	2
25		Washer	2
26		Nut	2
27		Bolt	2
28		Nut	6
29	1470163	Handle Kit	1
30		Slide (RH)	1
31		Slide (LH)	1
32		Bolt	4
33		Screw	2
34	1470159	Suspension Kit	1
35	15175	Washer	4
36	145639	Nut	4
	1470155	Manual Holder Kit (Includes Items 3-6)	1
	1470156	Hip Restraint Kit (Includes Items 7-12, 33)	1
	1470157	Hip Restraint Kit (Includes Items 7-12, 33)	1
	1470158	Seat Belt Kit (Includes Items 13-16)	1
	1470164	Recliner Kit (Includes Items 17-28)	1
	1470161	Slide Kit (Includes Items 30-32)	1

SEAT (Figure 1-6)
FULL SUSPENSION
SHEET 2 OF 2
(S/N H177B-24915Y⇒)

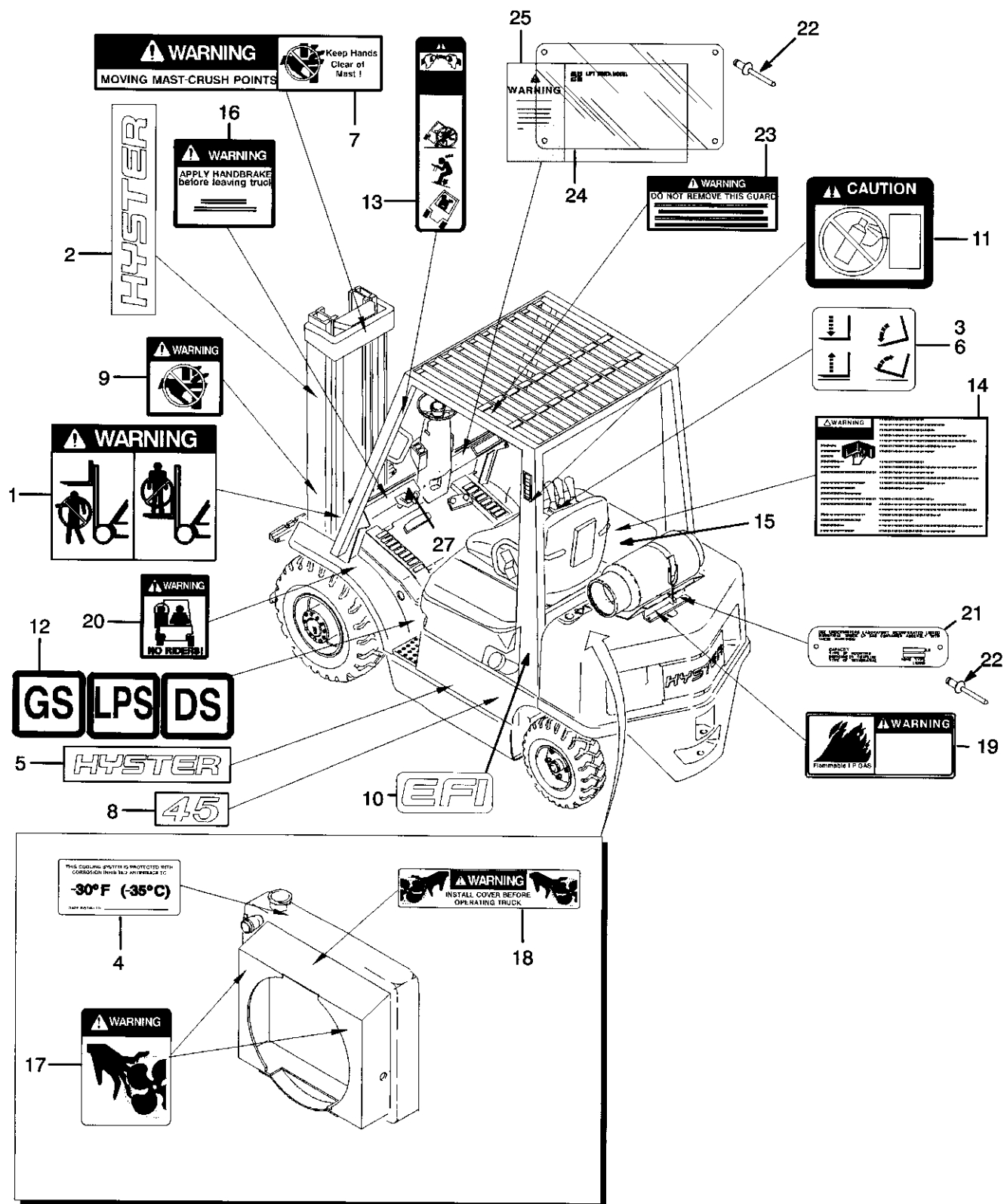


HP120483

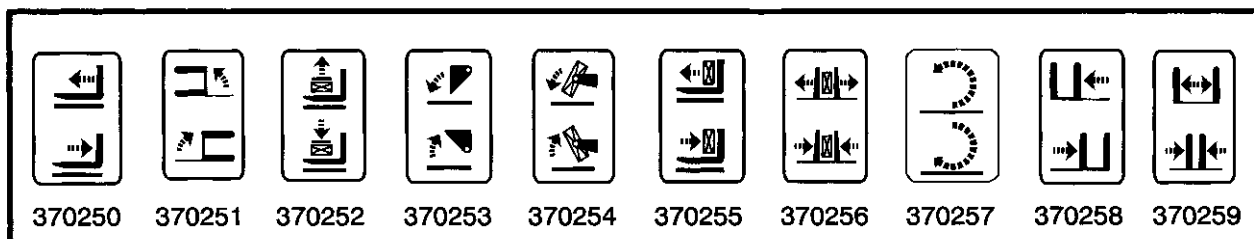
SEAT
FULL SUSPENSION
SHEET 2 OF 2
(S/N H177B-24915Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1476713	Suspension Seat (Vinyl)	1
	1476714	Suspension Seat (Fabric)	1
1	1467523	Boot Kit.....	1
2	1467524	Roller and Bearing Kit	1
3	1467525	Bumper and Stop Kit	1
4	1467526	Bearing Shaft Kit	1
5	1467527	Weight Adjuster Indicator Kit	1
6	1467531	Recliner Knob.....	1
7	1467529	Suspension Spring Kit.....	1
8	1470160	Scissor Assembly	1

LABELS (Figure 1-7)



HP120484

LABELS

HP120515

ITEM	PART NO.	DESCRIPTION	QTY
1	1338178	Label (Mast Warning)	2
2	1339672	Label (Hyster)	2
3	370250	Label (Auxiliary Function - Reach)	1
3	370251	Label (Auxiliary Function - Swing)	1
3	370252	Label (Auxiliary Function - Stabilizer)	1
3	370253	Label (Auxiliary Function - Dump/Scoop)	1
3	370254	Label (Auxiliary Function - Upender)	1
3	370255	Label (Auxiliary Function - Push/Pull)	1
3	370256	Label (Auxiliary Function - Clamp)	1
3	370257	Label (Auxiliary Function - Rotate)	1
3	370258	Label (Auxiliary Function - Side-Shift)	1
3	370259	Label (Auxiliary Function - Fork Spreader)	1
4	1354165	Label (Antifreeze)	1
5	1339674	Label (Hyster)	2
6	1356137	Label (Lift and Tilt)	1
7	1330919	Label (Mast Warning)	1
8	1354153	Label (Model 45)	2
8	1354155	Label (Model 50)	2
8	1354157	Label (Model 55)	2
8	1354159	Label (Model 60)	2
8	1354343	Label (Model 65)	2
9	1335129	Label (Pinch Point)	2
10	b 1345998	Label (EFI)	2
11	1354163	Label (Ether Caution)	1
12	154065	Label (Type GS)	2
12	154066	Label (Type LPS)	2
12	154067	Label (DS)	2
13	1330917	Label (Operator Restraint)	2
14	1336605	Label (Operator Warning)	1
15	1374549	Label (Radial Tire Warning)	1
16	2309799	Label (Parking Brake)	1
17	1345939	Label (Fan Warning)	2
18	1325271	Label (Fan Warning)	1
19	1354171	Label (Flammable LPG)	1
20	1330920	Label (No Riders)	2
21	1501259	Label (LPG Tank)	1
22	170658	Rivet	AR
23	a	Label (Overhead Guard)	1
24	389688	Cover	1

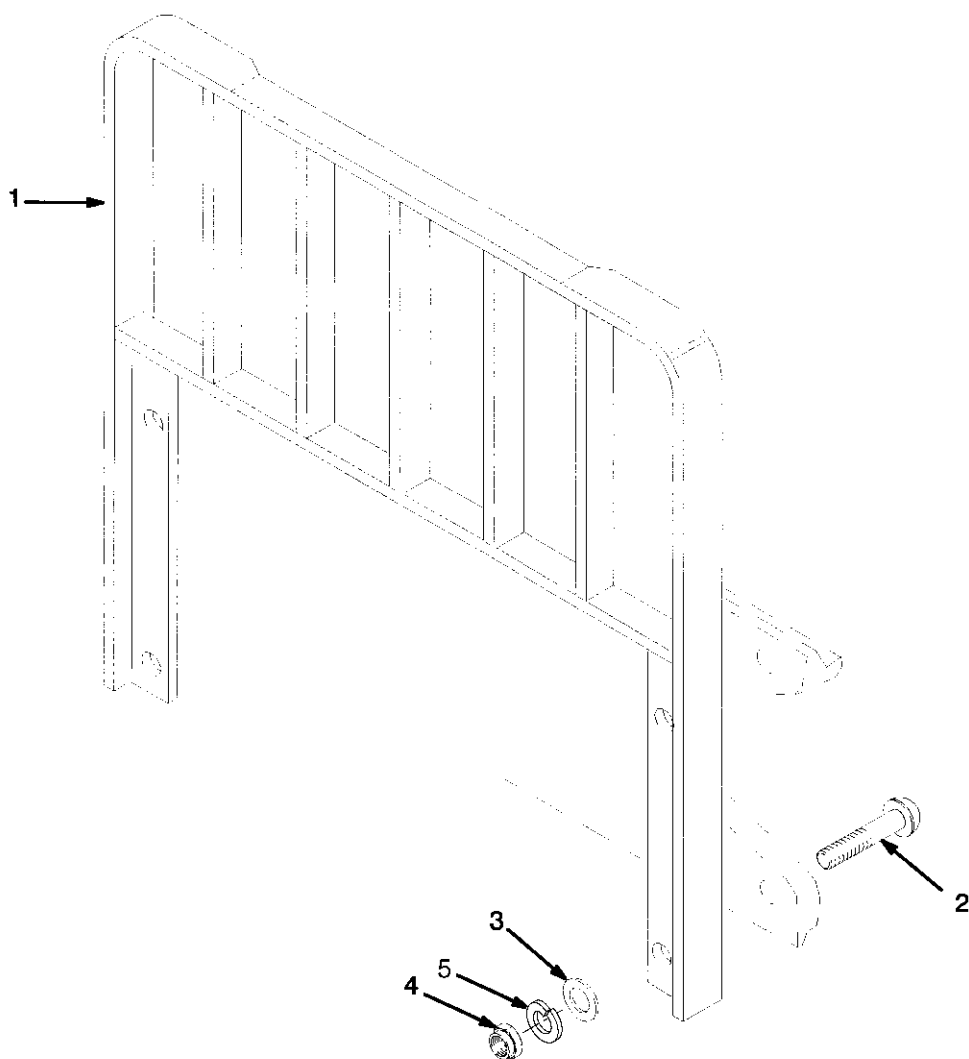
LABELS

ITEM	PART NO.	DESCRIPTION	QTY
25	a	Label (Nameplate)	1
	996414	Label Kit (Includes Items 1-2, 4-7, 9-21)	1

FOOTNOTES:

- a** Contact Your Local Hyster Lift Truck Dealer
b Gasoline Trucks Only

[illegible]

LOAD BACKREST EXTENSION (Figure 1-8)

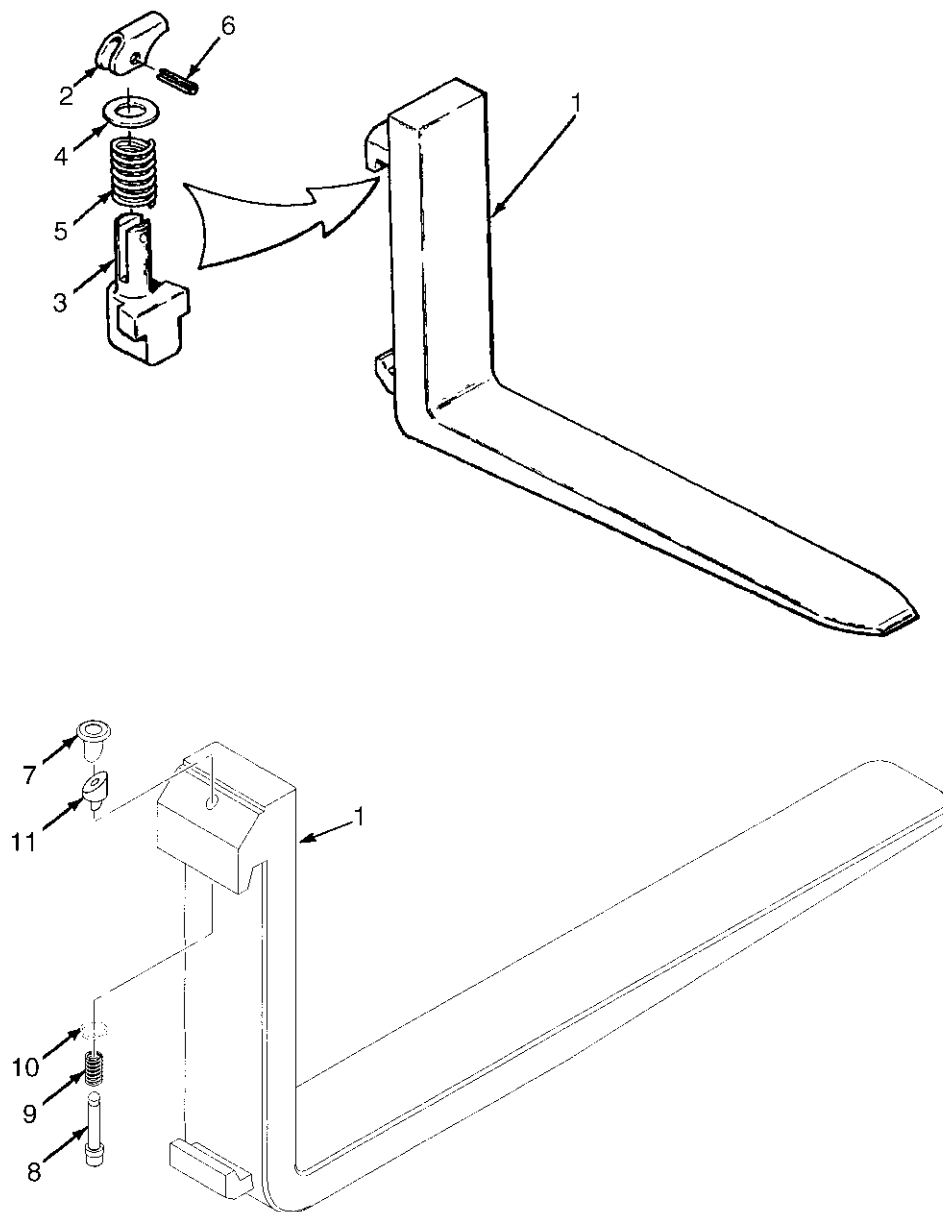
BP290015

LOAD BACKREST EXTENSION**KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1338642	Load Backrest Extension (42 in.).....	1	..
1	1338645	Load Backrest Extension (42 in.).....	..	1
1	a 1345267	Load Backrest Extension (42 in.).....	..	1
2	1343990	Capscrew	4	..
2	1354923	Capscrew	..	4
3	221771	Washer	4	4
3	b 296423	Washer	4	4
4	292656	Nut.....	4	4
5	292683	Lockwasher	4	4

FOOTNOTES:**a** For Polished Forks with Full Bottom Taper**b** Optional

FORKS (Figure 1-9) H45-55XM



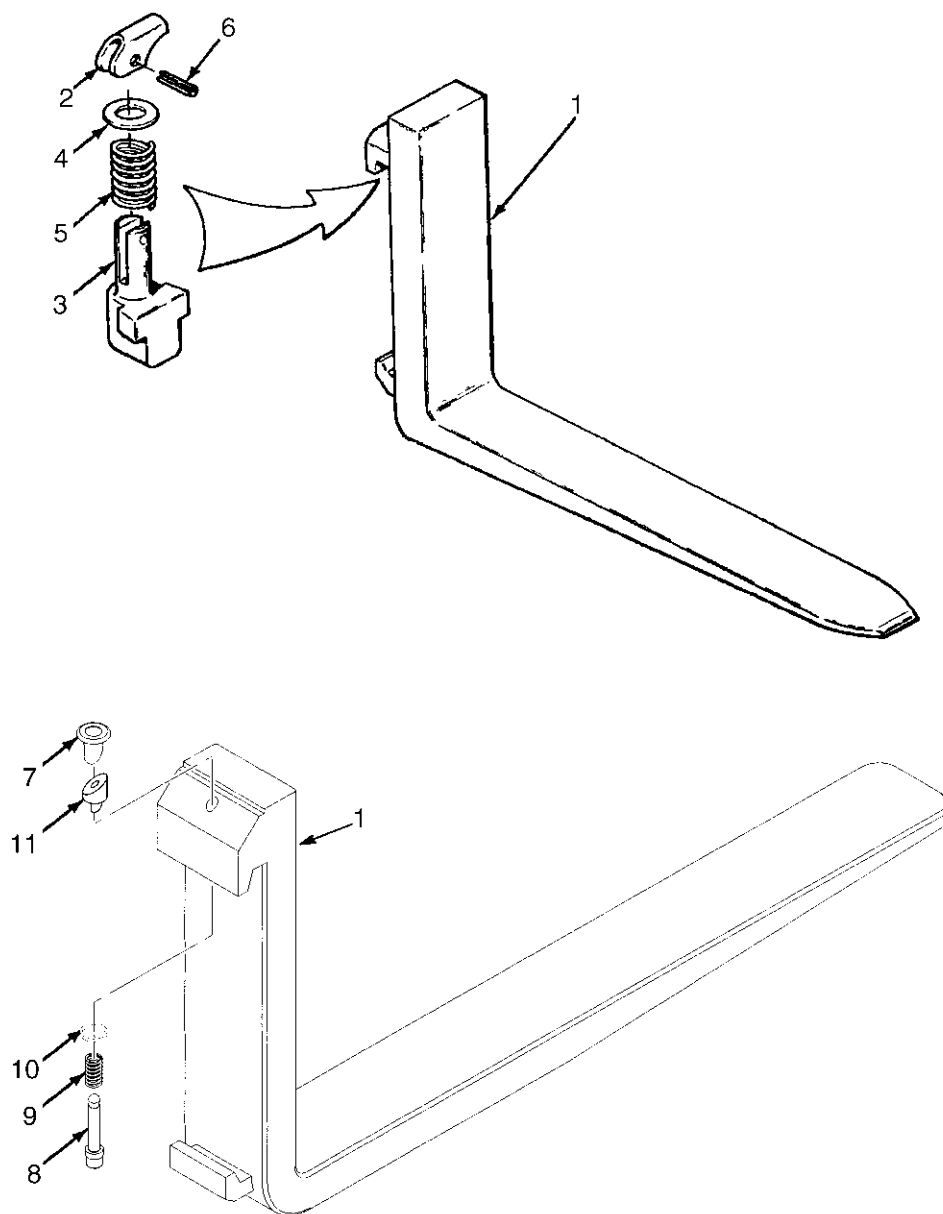
BP290002

FORKS
H45-55XM**KEY:****A: Standard Taper (125 mm x 40 mm) (5 in. x 1.5 in.)****B: Full Bottom Taper (125 mm x 40 mm) (5 in. x 1.5 in.)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1326663	Fork (42 in.)	2	..
1	1326664	Fork (48 in.)	2	..
1	1326666	Fork (60 in.)	2	..
1	1338089	Fork (48 in.)	..	2
2	368706	Lever.....	2	2
3	368702	Pin	2	2
4	368707	Washer	2	2
5	368705	Spring.....	2	2
6	71153	Pin	2	2
7	1523732	Knob	1	1
8	1523733	Pin	1	1
9	1500782	Spring.....	1	1
10	a 1477166	Washer	1	1
11	a 1477167	Wedge	1	1
	1523735	Latch Kit (Class II) (Includes Items 7-11)	2	2

FOOTNOTES:**a** Refer to Latch Kit Installation Instruction

FORKS (Figure 1-10) H60-65XM



BP290002

FORKS
H60-65XM**KEY:****A: Standard Taper (125 mm x 45 mm) (5 in. x 1.75 in.)****B: Full Bottom Taper (180 mm x 45 mm) (7 in. x 1.75 in.)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	367420	Fork (42 in.)	2	..
1	367421	Fork (48 in.)	2	..
1	367423	Fork (60 in.)	2	..
1	1338098	Fork (48 in.)	..	2
2	368706	Lever.....	2	2
3	368703	Pin	2	2
4	368707	Washer	2	2
5	368705	Spring.....	2	2
6	71153	Pin	2	2
7	1523732	Knob	1	1
8	1523737	Pin	1	1
9	1500784	Spring.....	1	1
10	a 1477166	Washer	1	1
11	a 1477237	Wedge	1	1
	1523739	Latch Kit (Class III) (Includes Items 7-11)	1	1

FOOTNOTES:**a** Refer to Latch Kit Installation Instruction

[illegible]

2

ENGINE ASSEMBLY

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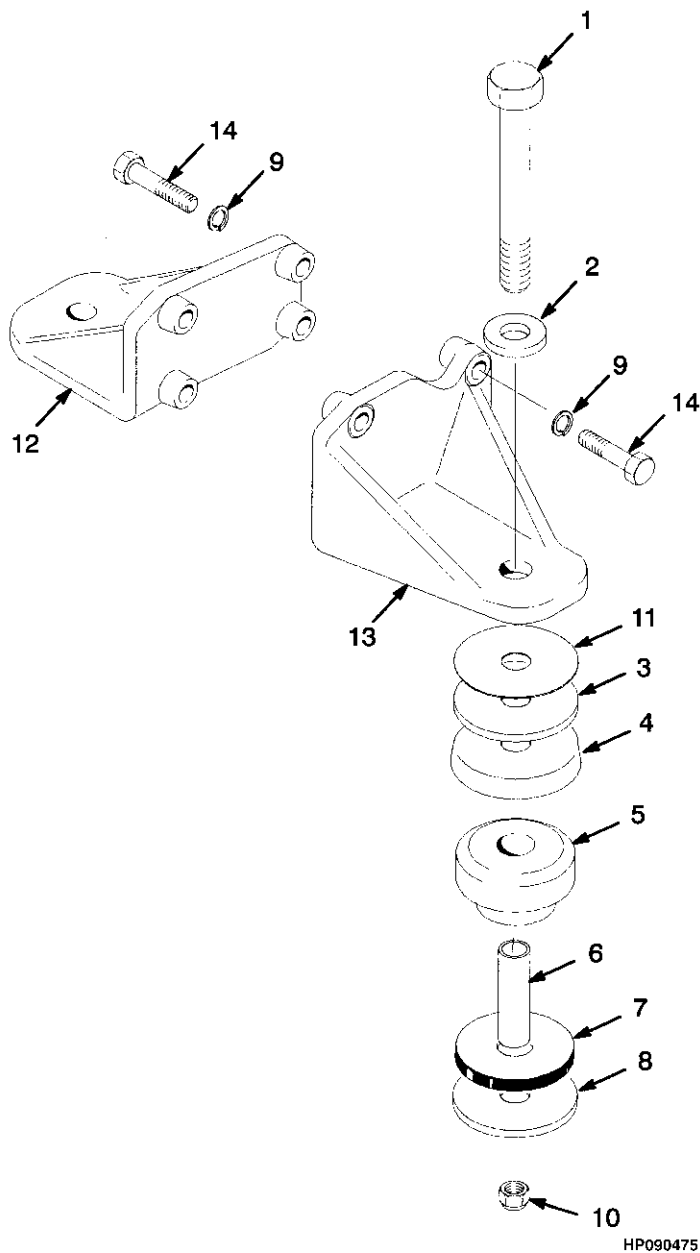
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ENGINE MOUNT (Figure 2-1) GASOLINE AND LPG 2.0L AND 2.2L

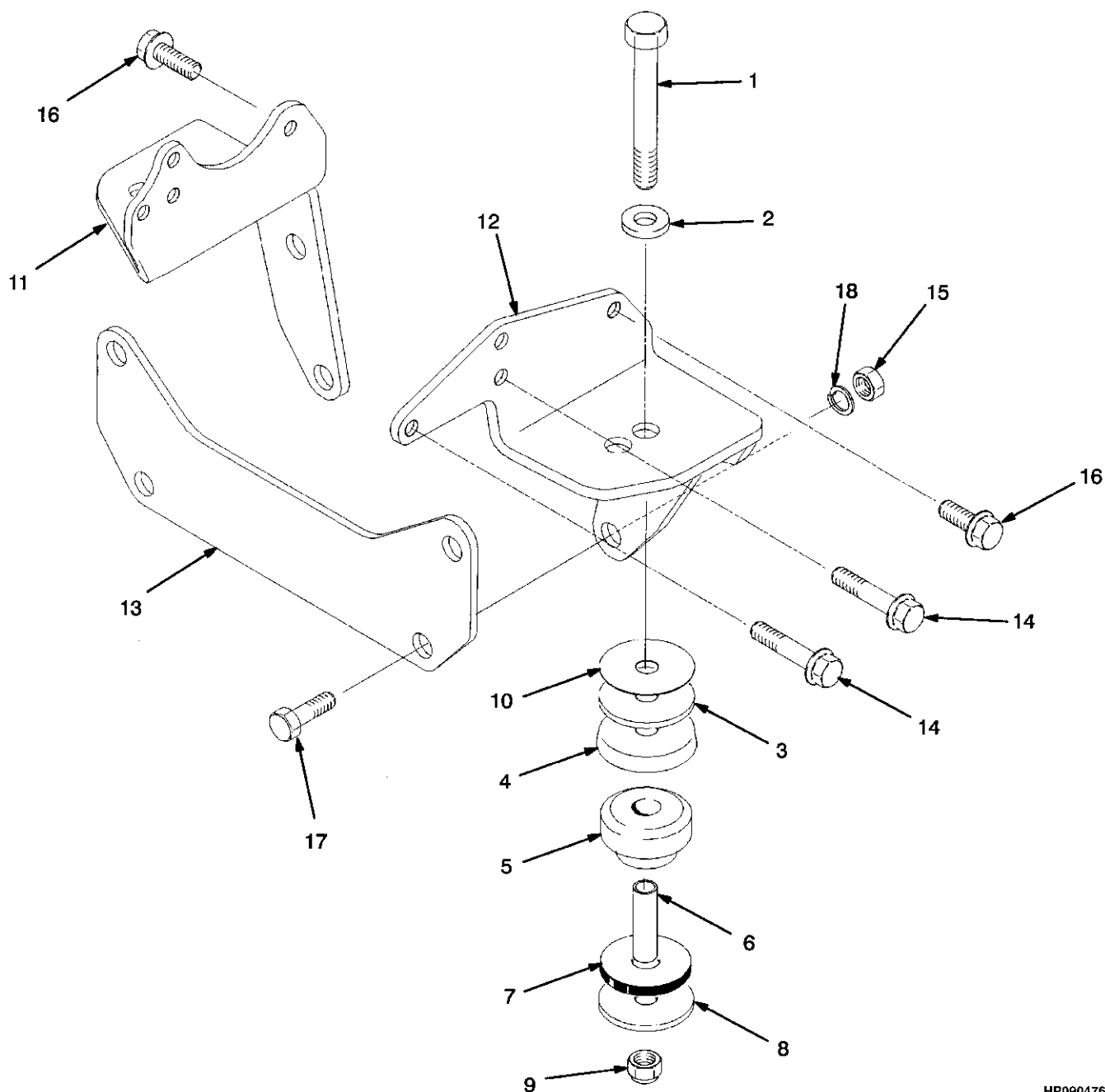


HP090475

**ENGINE MOUNT
GASOLINE AND LPG
2.0L AND 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	293658	Capscrew.....	2
2	300932	Washer	2
3	340796	Washer	2
4	1351098	Cup	2
5	1351096	Isolator.....	2
6	1351061	Spacer	2
7	1351060	Bumper	2
8	300939	Washer	2
9	292682	Lockwasher.....	8
10	300937	Nut	2
11	1351017	Spacer	AR
12	1337014	Bracket (LH).....	1
13	1337012	Bracket (RH)	1
14	1329286	Capscrew.....	8

ENGINE MOUNT (Figure 2-2) GASOLINE AND LPG 3.0L

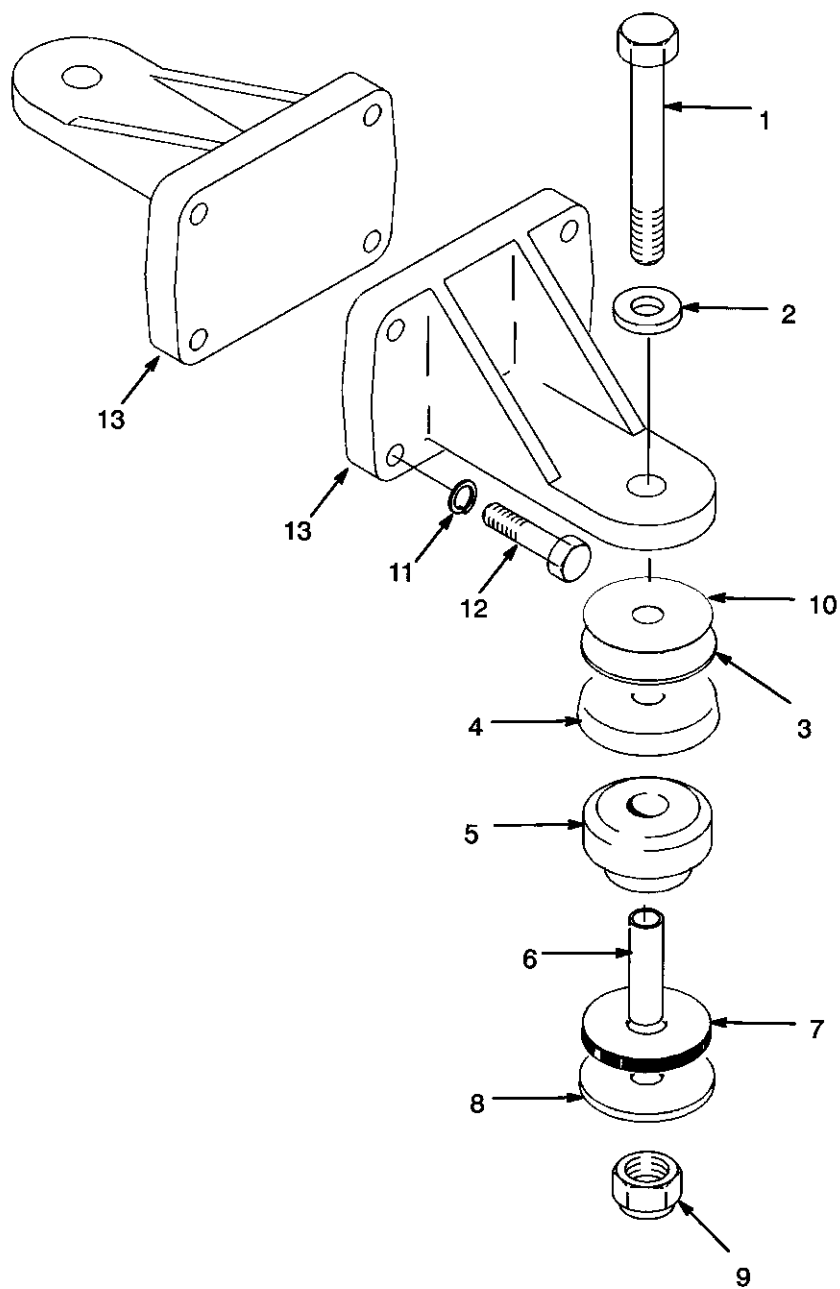


HP090476

**ENGINE MOUNT
GASOLINE AND LPG
3.0L**

ITEM	PART NO.	DESCRIPTION	QTY
1	293658	Capscrew.....	2
2	300932	Washer	2
3	340796	Washer	2
4	1351098	Cup	2
5	1351096	Isolator.....	2
6	1351061	Spacer	2
7	1351060	Bumper	2
8	300939	Washer	2
9	300937	Nut	2
10	1351017	Spacer	AR
11	1375125	Bracket (LH).....	1
12	1375129	Bracket (RH)	1
13	1375128	Plate	1
14	1508234	Screw.....	2
15	316828	Nut	4
16	174413	Capscrew.....	6
17	293686	Capscrew.....	4
18	296426	Washer (Hardened)	4

ENGINE MOUNT (Figure 2-3) DIESEL



HP090477

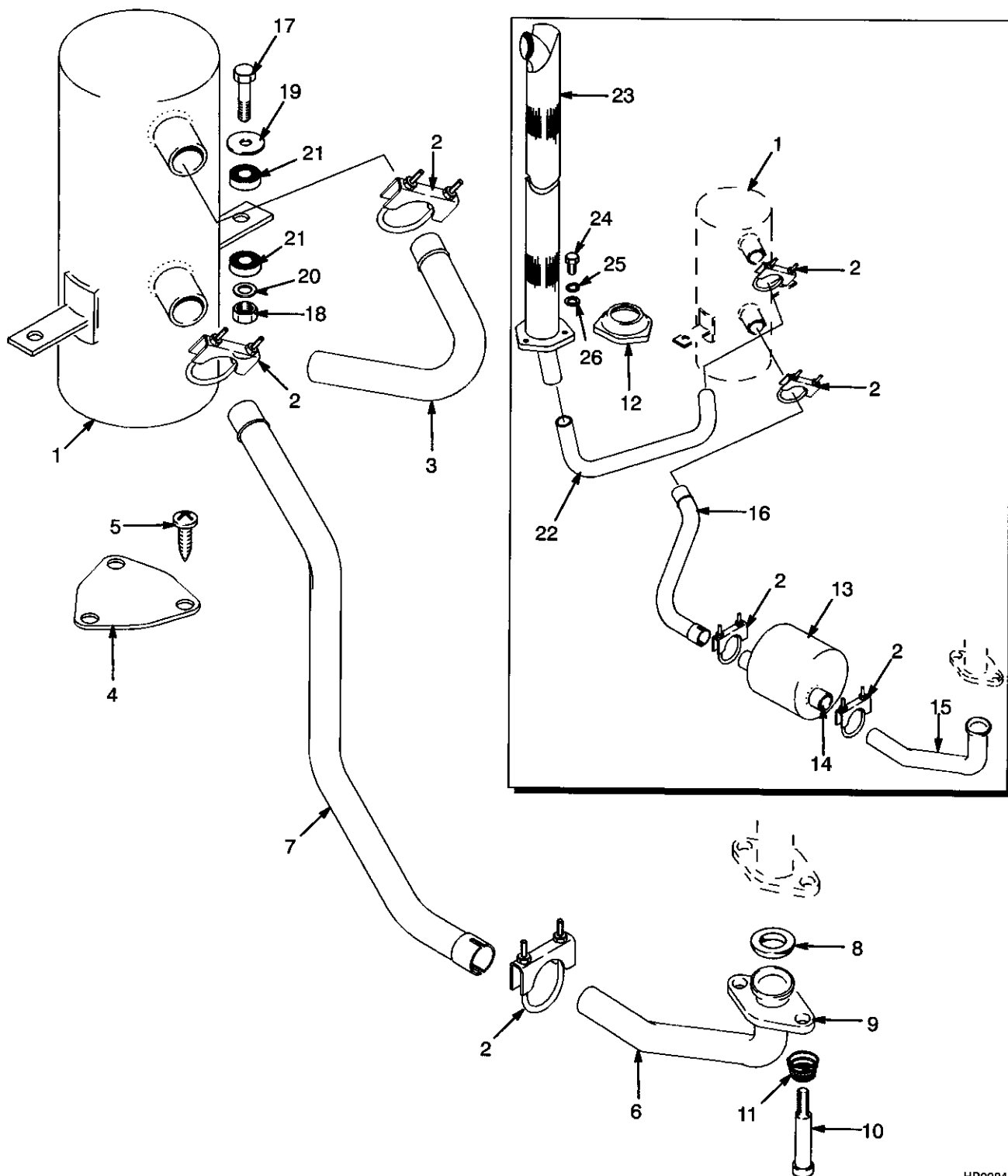
**ENGINE MOUNT
DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	293658	Capscrew.....	2
2	300932	Washer	2
3	340796	Washer	2
4	1351098	Cup	2
5	1351096	Isolator.....	2
6	1351061	Spacer	2
7	1351060	Bumper	2
8	300939	Washer	2
9	300937	Nut	2
10	1351017	Spacer	AR
11	1458049	Washer (Standard)	8
11	292684	Lockwasher (Heavy Duty).....	8
12	1457909	Screw.....	8
13	1457908	Bracket (LH) (Standard).....	1
13	1536998	Bracket (RH) (Heavy Duty)	1
13	1457910	Bracket (RH) (Standard)	1
13	1536999	Bracket (LH) (Heavy Duty).....	1

NOTE:

Engine Brackets Supplied with Engine.

EXHAUST (Figure 2-4) DIESEL



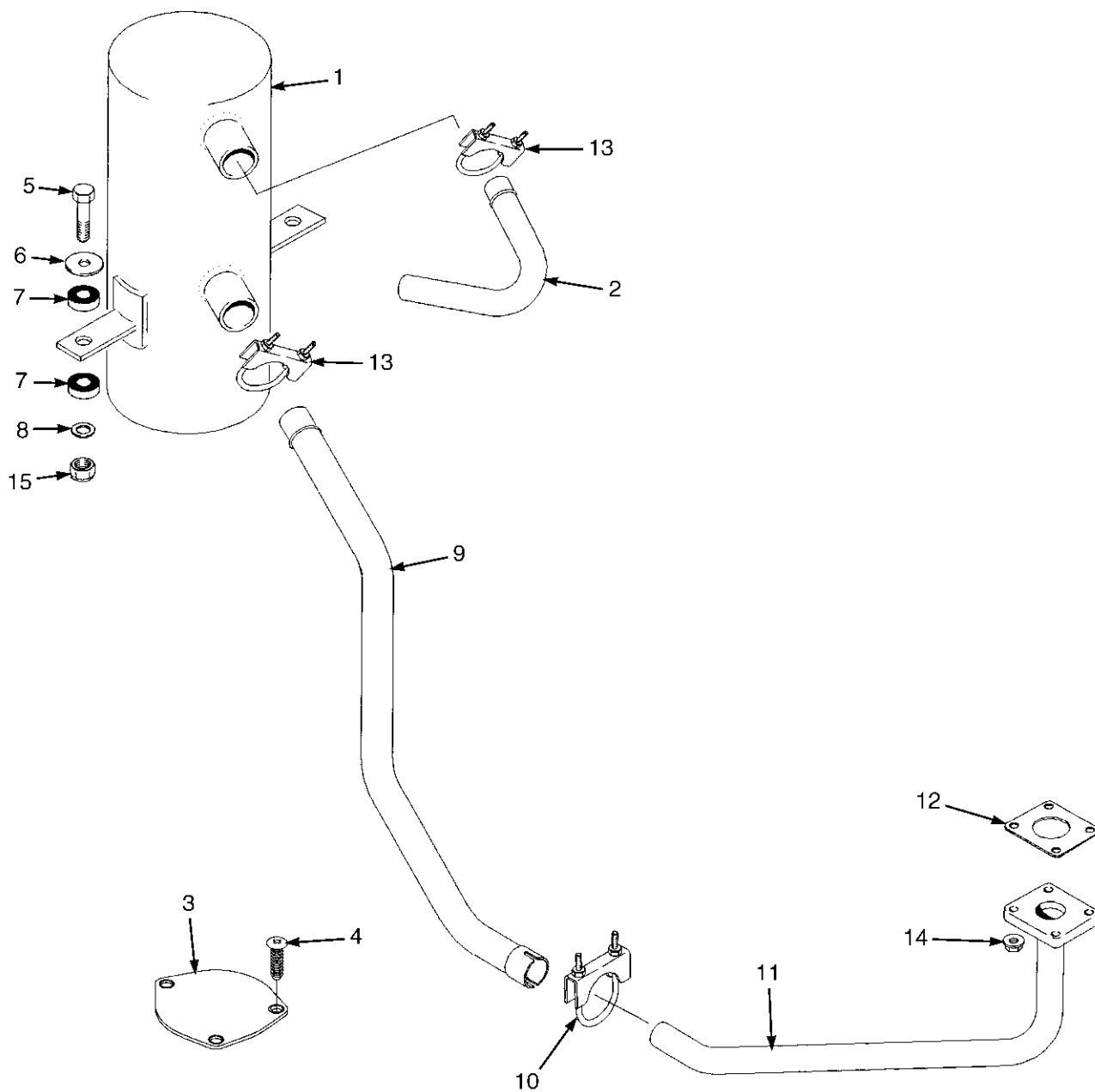
HP090482

**EXHAUST
DIESEL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1338282	Muffler.....	1
1	1350261	Muffler (Type DS).....	1
2	63117	Clamp	4
3	1338276	Exhaust Pipe	1
4	1347043	Cover	1
5	1347045	Fastener.....	3
6	1396273	Tube	1
7	1383012	Tube	1
8	1338258	Seal	1
9	1396272	Flange.....	1
10	1337118	Bolt	3
11	1335898	Spring	3
12	a 1351178	Cover	1
13	b 878258	Muffler.....	1
14	b 14386	Fitting.....	1
15	b 1396274	Tube	1
16	b 1396270	Tube	1
17	292517	Capscrew.....	2
18	316826	Nut	2
19	1351176	Washer	2
20	320159	Washer	2
21	1351177	Rubber Cushion.....	4
22	a 1335764	Tube	1
23	a 1335765	Exhaust Pipe	1
24	a 287854	Capscrew.....	3
25	a 292682	Lockwasher.....	3
26	a 320159	Washer	3

FOOTNOTES:**a** Overhead Exhaust**b** Two Way Catalytic Convertor

EXHAUST GAS AND LPG (Figure 2-5) 2.0L MAZDA STANDARD



HP110012

**EXHAUST GAS AND LPG
2.0L MAZDA
STANDARD**

ITEM	PART NO.	DESCRIPTION	QTY
1	1338282	Muffler.....	1
1	a 1350261	Muffler.....	1
2	1338276	Exhaust Pipe	1
3	1347043	Cover	1
3	a 1347043	Cover	1
4	1347045	Fastener.....	3
4	a 1347045	Fastener.....	3
5	292517	Capscrew.....	2
6	316826	Nut	2
7	1351176	Washer	2
8	320159	Washer	2
9	1347126	Tube	1
10	195769	Clamp	1
11	1338300	Exhaust Pipe	1
12	1338308	Gasket	1
13	63117	Clamp	2
14	1502543	Nut (Flange).....	4
15	1351177	Rubber Cushion.....	4

FOOTNOTES:**a** U.L. Safety

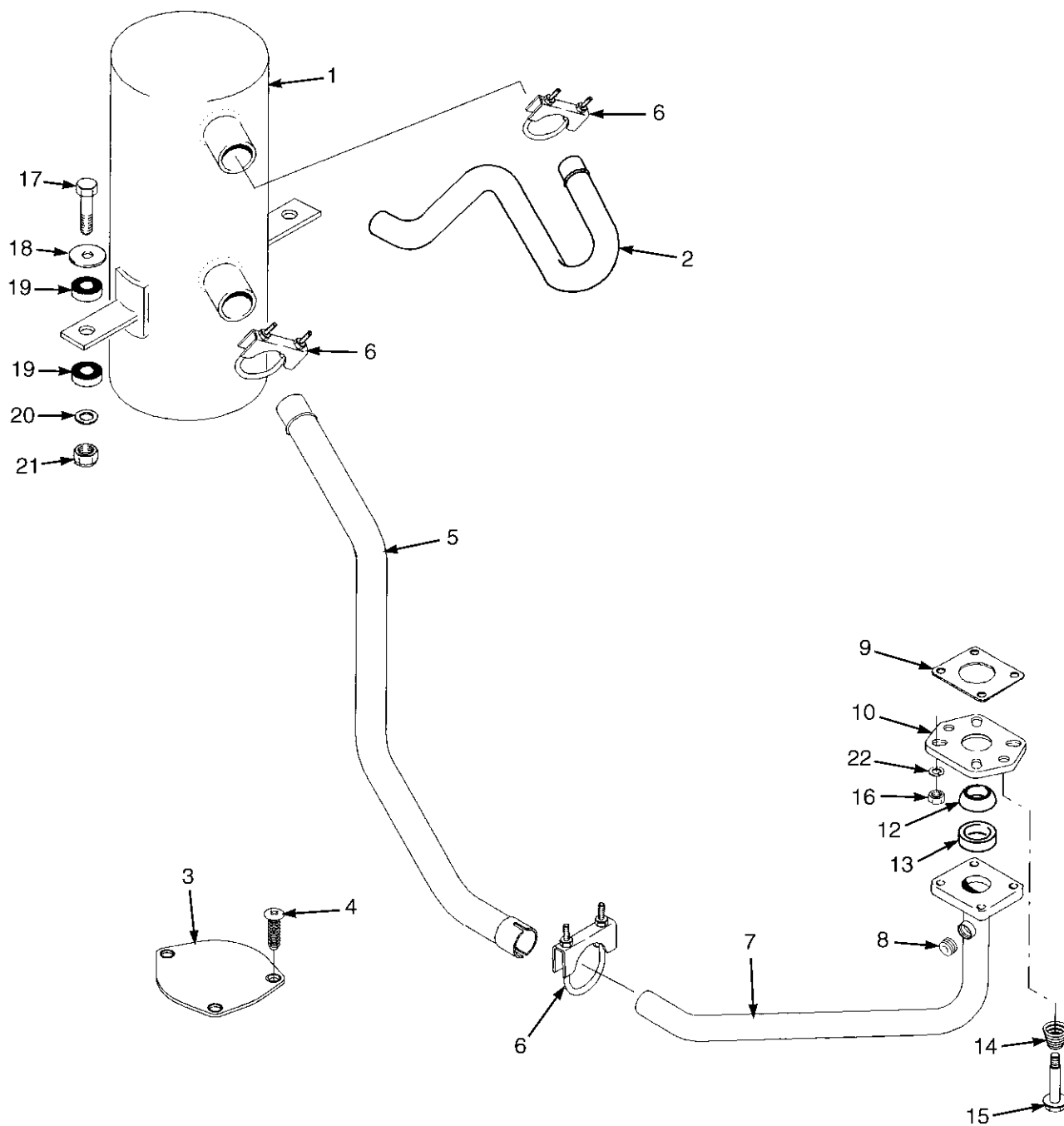
This diagram illustrates the assembly of a mechanical component, likely a pump or valve, with various parts numbered for identification:

- 1**: Main cylindrical body.
- 2**: Two sets of clamps or fasteners, one on the side of the main body and one on the upper right pipe.
- 3**: A clamp or fastener at the bottom of the main body.
- 4**: A bolt or screw.
- 5**: A nut.
- 6**: A washer or spacer.
- 7**: A small circular gasket or seal.
- 8**: A rectangular plate or bracket.
- 9**: A long, curved pipe or hose.
- 10**: A horizontal pipe or hose.
- 11**: A square flange or base plate.
- 12**: A small circular gasket or seal.
- 13**: A square flange or base plate.
- 14**: A curved pipe or hose.
- 15**: A vertical pipe or hose.
- 16**: A bracket or support arm.
- 17**: A small circular gasket or seal.
- 18**: A small circular gasket or seal.

**MUFFLER AND EXHAUST PIPES
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1338282	Muffler.....	1
1	1350261	Muffler (Type GS and LPS).....	1
2	68968	Clamp	2
3	195769	Clamp	1
4	292517	Capscrew.....	2
5	316826	Nut	2
6	1351176	Washer	2
7	320159	Washer	2
8	1351177	Rubber Cushion.....	4
9	1347127	Tube	1
10	1338305	Tube	1
11	1488874	Adapter	1
12	1502543	Nut (Flange).....	4
13	1338308	Gasket	1
14	1338276	Exhaust Pipe	1
15	1337118	Bolt	2
16	1335898	Spring	2
17	1338268	Seal	1
18	1338264	Spacer	1

EXHAUST LPG (Figure 2-7) 2.0L AND 2.2L MAZDA 2-WAY



HP110015

EXHAUST LPG

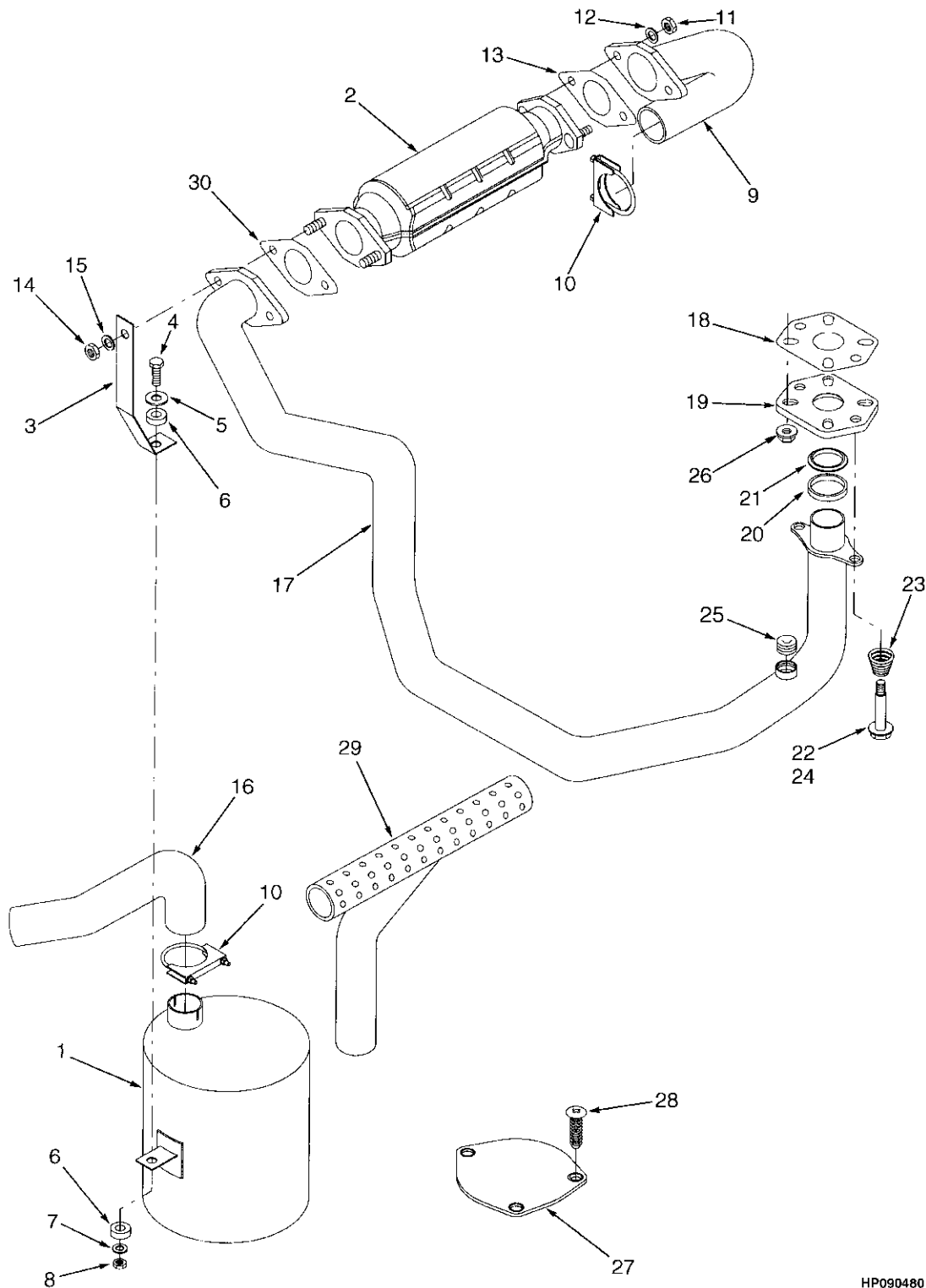
2.0L AND 2.2L MAZDA

2-WAY

ITEM	PART NO.	DESCRIPTION	QTY
1	1356527	Muffler.....	1
1	a 1350261	Muffler.....	1
2	1338276	Exhaust Pipe	1
3	1347043	Cover	1
4	1347045	Fastener.....	3
5	1347127	Tube	1
6	63117	Clamp	3
7	1361093	Tube	1
8	1396518	Plug	1
9	1338308	Gasket	1
10	1338268	Seal	1
11	251979	Lubricant.....	AR
12	1488874	Adapter	1
12	1338263	Adapter (Optional)	1
13	1338264	Spacer	1
14	1335898	Spring	2
15	1337118	Bolt	2
16	239503	Nut	4
17	292517	Capscrew.....	2
18	1351176	Washer	2
19	1351177	Rubber Cushion.....	4
20	320159	Washer	2
21	316826	Nut	2
22	292681	Lockwasher.....	4

FOOTNOTES:**a** U.L. Safety

EXHAUST (Figure 2-8) LPG 2.0L AND 2.2L CLOSED LOOP (S/N H177B-23394⇒)

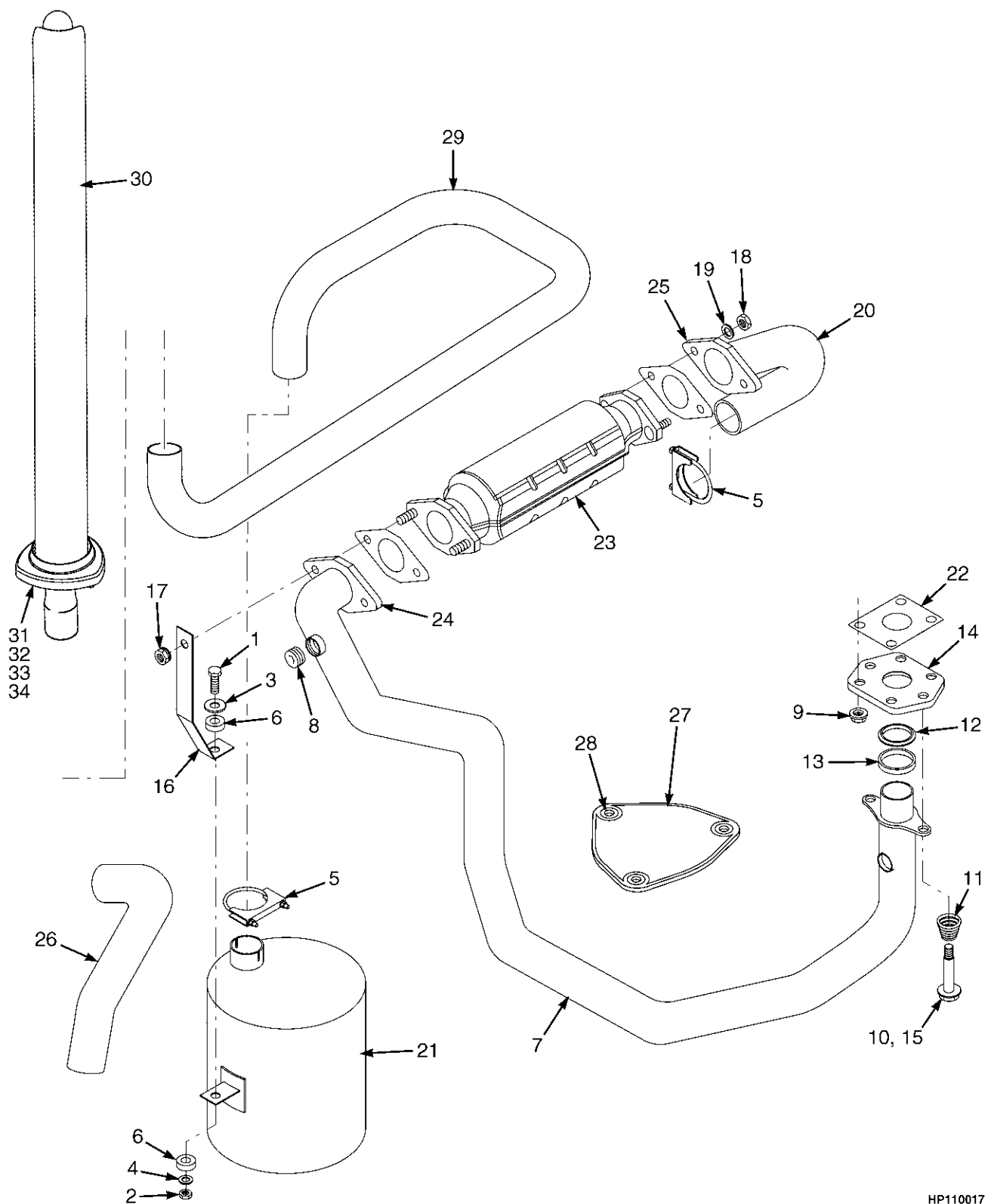


HP090480

**EXHAUST
LPG 2.0L AND 2.2L
CLOSED LOOP
(S/N H177B-23394⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	2040523	Muffler.....	1
2	1469342	Catalytic Converter	1
3	1469364	Bracket.....	1
4	292517	Capscrew.....	2
5	1351176	Washer	2
6	1351177	Rubber Cushion.....	4
7	320159	Washer	2
8	316826	Nut	2
9	1469375	Exhaust Pipe	1
10	63117	Clamp	2
11	1469405	Nut	2
12	292683	Lockwasher.....	2
13	1469379	Gasket	1
14	136692	Nut	2
15	292682	Lockwasher.....	2
16	1469363	Exhaust Pipe	1
17	1469390	Exhaust Pipe	1
18	1338308	Gasket	1
19	1488874	Adapter	1
20	1338264	Spacer	1
21	1338268	Seal	1
22	251979	Lubricant.....	AR
23	1335898	Spring	2
24	1337118	Bolt	2
25	1396518	Plug	1
26	1502543	Nut (Flange).....	4
27	1347043	Cover (Counterweight).....	1
28	1347045	Fastener.....	3
29	1469406	Exhaust Pipe (Type LPS).....	1
30	1469378	Gasket	1

EXHAUST GAS AND LPG (Figure 2-9) 2.0L AND 2.2L MAZDA EPA COMPLIANT



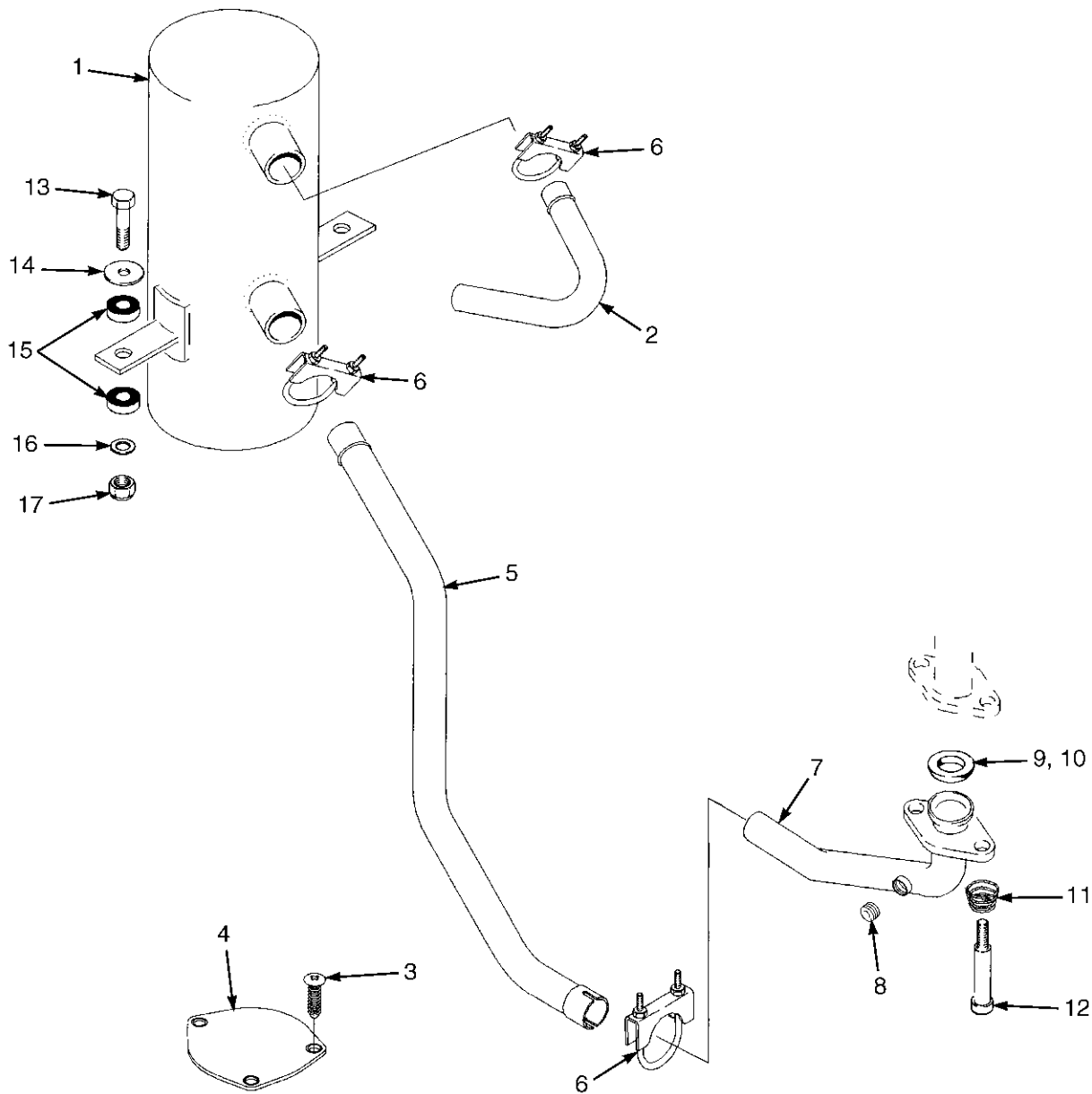
HP110017

**EXHAUST GAS AND LPG
2.0L AND 2.2L MAZDA
EPA COMPLIANT****KEY:****A: GAS****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	292517	Capscrew.....	2	2
2	316826	Nut	2	2
3	1351176	Washer	2	2
4	320159	Washer	2	2
4	c 320159	Washer	3	3
5	63117	Clamp	2	2
6	1351177	Rubber Cushion.....	4	4
7	1469390	Exhaust Pipe	1	1
8	1396518	Plug	1	1
9	1502543	Nut (Flange).....	4	4
10	1337118	Bolt	2	2
11	1335898	Spring	2	2
12	1338268	Seal	1	1
13	1338264	Spacer	1	1
14	1488874	Adapter	1	1
14	1338263	Adapter (Optional)	1	1
15	251979	Lubricant.....	AR	AR
16	1469364	Bracket.....	1	1
17	1460477	Nut (Flange).....	2	2
18	1469405	Nut	2	2
19	292683	Lockwasher.....	2	2
20	1469375	Exhaust Pipe	1	1
21	2040523	Muffler.....	1	1
22	1338308	Gasket	1	1
23	1469342	Catalytic Converter	1	1
24	1487172	Gasket	1	1
25	1487189	Gasket	1	1
26	a 1469363	Exhaust Pipe	..	1
26	b 1469363	Exhaust Pipe	..	1
27	a 1347043	Cover	..	1
27	b 1347043	Cover	..	1
28	a 1347045	Fastener.....	..	3
28	b 1347045	Fastener.....	..	3
29	c 1469365	Tube (Exhaust)	1	1
30	c 1335765	Exhaust Pipe	1	1
31	c 287854	Capscrew.....	3	3
32	c 292682	Lockwasher.....	3	3
33	c 1351178	Cover	1	..
33	c 1365887	Cover	..	1

FOOTNOTES:**a** Counterweight**b** Counterweight - U.L. Safety**c** Overhead

EXHAUST GAS AND LPG (Figure 2-10) 3.0L GM



HP110011

**EXHAUST GAS AND LPG
3.0L GM**

ITEM	PART NO.	DESCRIPTION	QTY
1	1338282	Muffler.....	1
1	a 1356527	Muffler.....	1
1	b 1350261	Muffler.....	1
2	1338276	Exhaust Pipe	1
3	1347045	Fastener.....	3
3	b 1347045	Fastener.....	3
4	1347043	Cover	1
4	b 1347043	Cover	1
5	1383012	Tube	1
6	63117	Clamp	3
7	1375155	Tube	1
8	1396518	Plug	1
9	251979	Lubricant.....	AR
10	1338258	Seal	1
11	1335898	Spring	2
12	1376766	Bolt	2
13	292517	Capscrew.....	2
14	1351176	Washer	2
15	1351177	Rubber Cushion.....	4
16	320159	Washer	2
17	316826	Nut	2

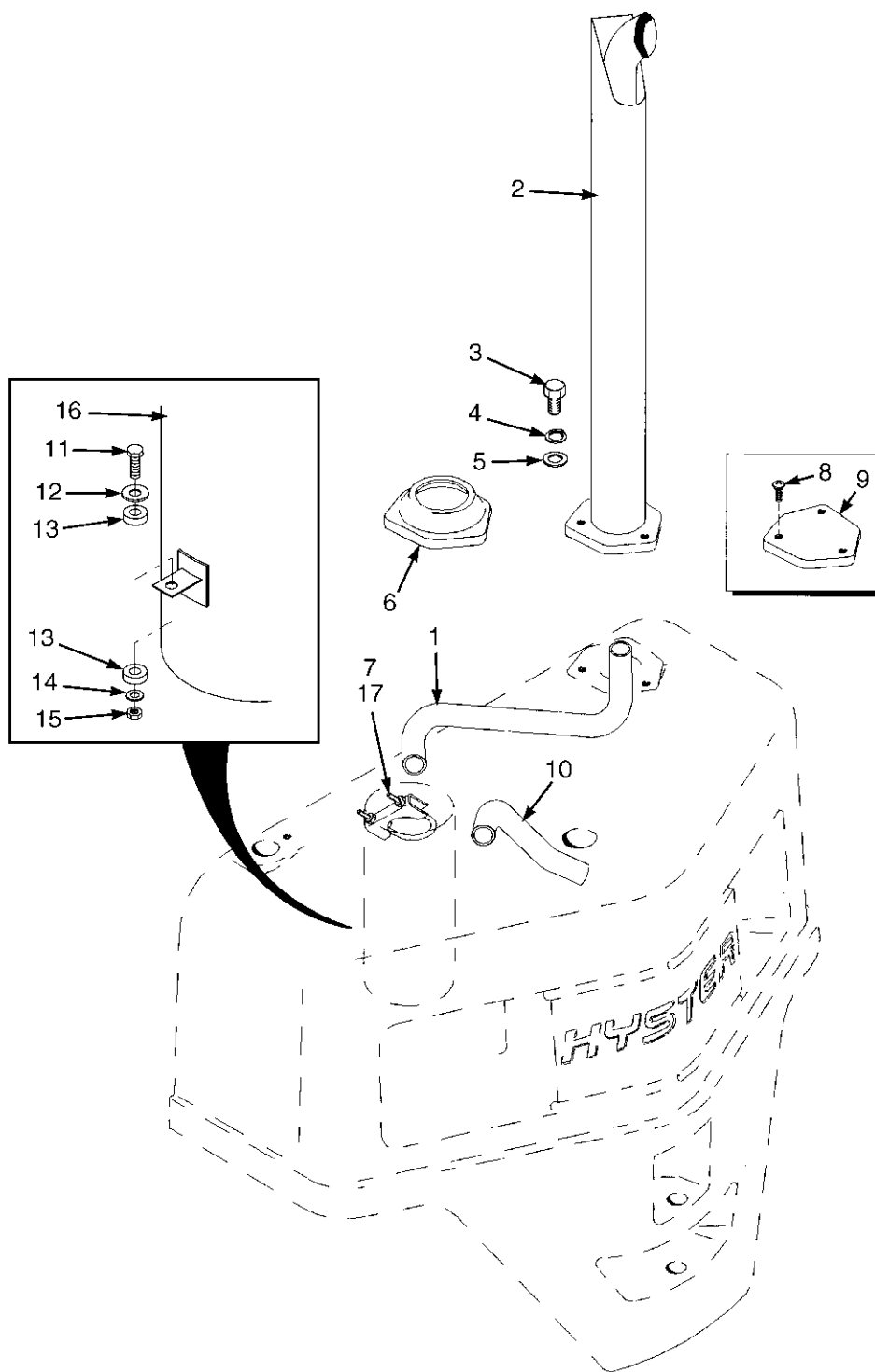
FOOTNOTES:**a** 2-Way Catalytic Converter**b** U.L. Safety

**EXHAUST GAS AND LPG
3.0L EPA COMPLIANT****KEY:****A: GAS****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	292517	Capscrew.....	2	2
2	1351176	Washer	2	2
3	1351177	Rubber Cushion.....	4	4
4	320158	Washer	2	2
5	316826	Nut	2	2
6	1338258	Seal	..	1
6	a 1338258	Seal	..	1
6	1375189	Seal	1	..
6	a 1375189	Seal	1	..
7	1335898	Spring	2	2
8	1376766	Bolt	2	2
9	1544114	Exhaust Pipe	1	1
10	1347043	Cover	1	1
10	a 1347043	Cover	1	1
11	1347045	Fastener.....	1	1
11	a 1347045	Fastener.....	1	1
12	1546688	Exhaust Pipe	1	1
12	a 1546688	Exhaust Pipe	1	1
13	2062954	Muffler - Catalyzed (3-Way).....	1	1
13	a 2062954	Muffler - Catalyzed (3-Way).....	1	1
14	63117	Clamp	1	1
15	1512403	Capscrew.....	2	2
16	1460477	Nut (Flange).....	2	2
17	251979	Lubricant.....	AR	AR
18	1396518	Plug	1	1
19	1402189	Gasket	1	1

FOOTNOTES:**a** U.L. Safety

EXHAUST GROUP (Figure 2-12) OVERHEAD



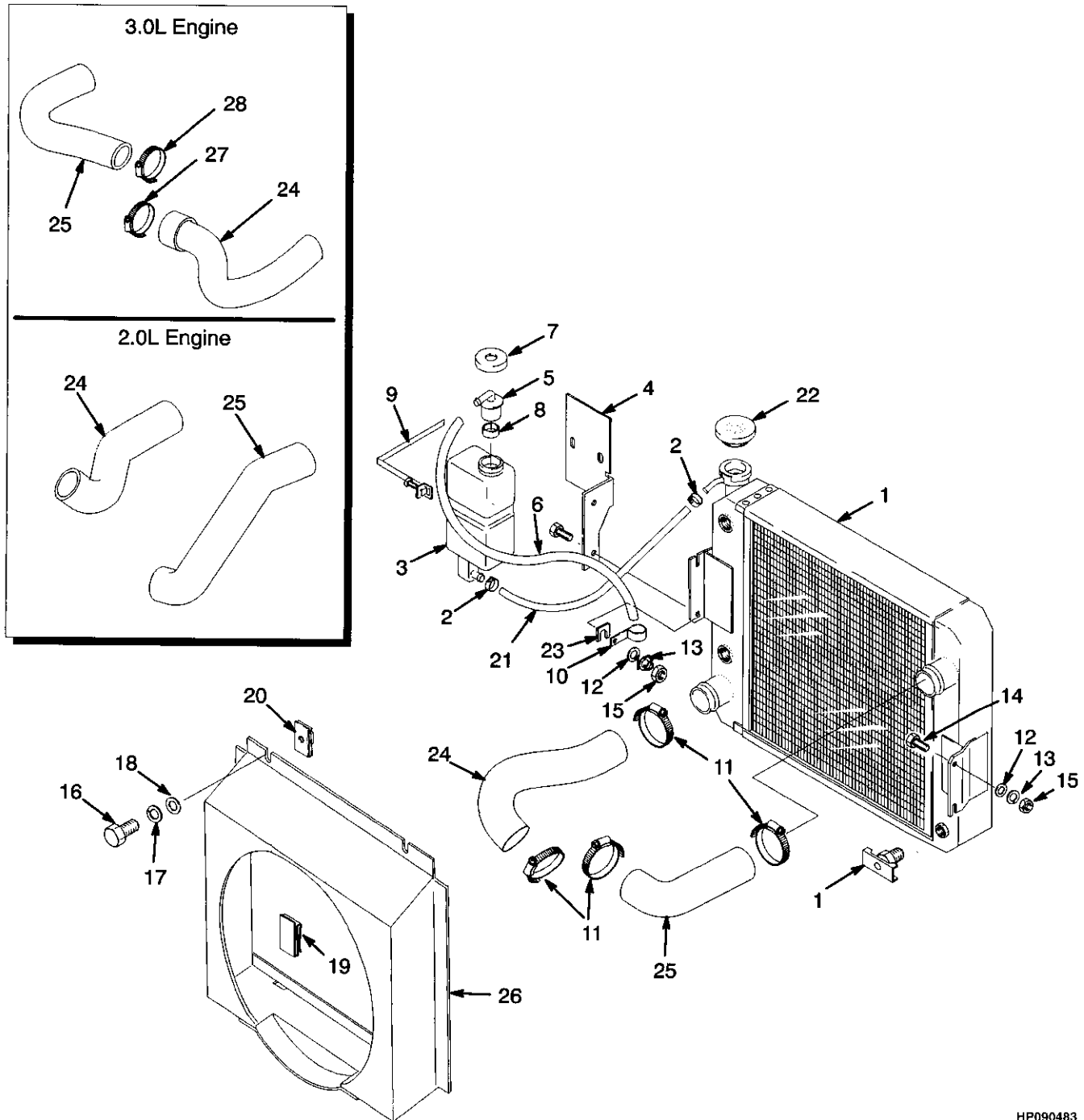
HP110016

**EXHAUST GROUP
OVERHEAD**

ITEM	PART NO.	DESCRIPTION	QTY
1	1335764	Tube	1
2	1335765	Exhaust Pipe	1
3	287854	Capscrew.....	3
4	292682	Lockwasher.....	3
5	320159	Washer	3
6	1351178	Cover	1
6	b 1365887	Cover	1
7	63117	Clamp	1
8	1347045	Fastener.....	3
9	1347043	Cover	1
10	1338276	Exhaust Pipe	1
11	292517	Capscrew.....	2
12	1351176	Washer	2
13	1351177	Rubber Cushion.....	4
14	320159	Washer	2
15	316826	Nut	2
16	1338282	Muffler.....	1
16	a 1356527	Muffler.....	1
17	63117	Clamp	1

FOOTNOTES:**a** 2-Way Catalytic Converter**b** LPG

RADIATOR AND HOSES (Figure 2-13) (⇒S/N H177B-18577)



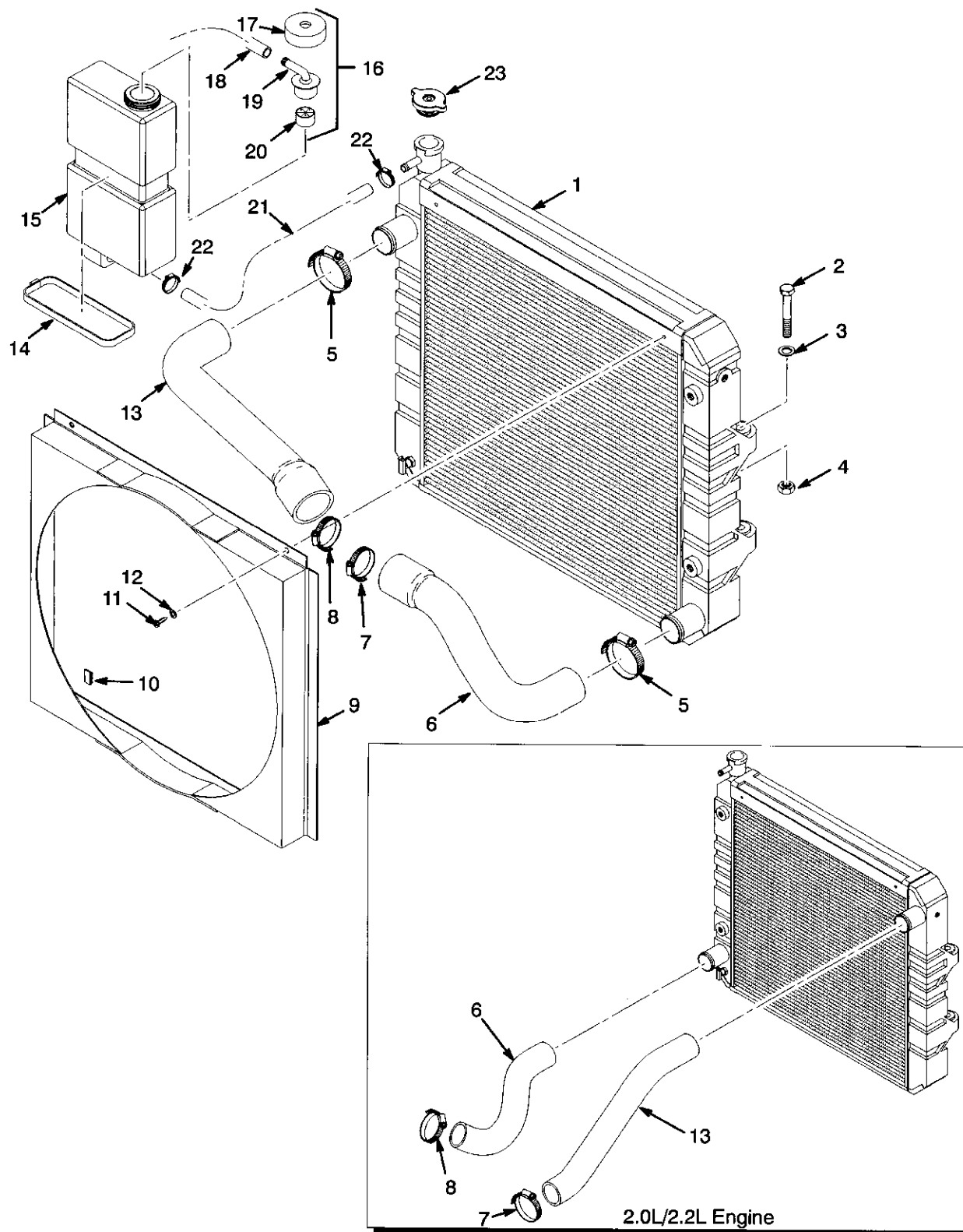
HP090483

RADIATOR AND HOSES
(⇒S/N H177B-18577)**KEY:****A: Gasoline and LPG 2.0L****B: Gasoline and LPG 3.0L****C: Diesel 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	1338328	Radiator (10 Fins/in.)	1	..	1
1	1337002	Radiator (10 Fins/in.)	..	1	1
1	1343623	Radiator (6.5 Fins/in.)	1	..	1
1	1357716	Cooler	1	..	1
1	1357717	Tank Assembly	..	1	1
1	1357721	Drain Plug	1	1	1
2	168718	Clamp	2	2	2
3	1347026	Reservoir	1	1	1
4	1347072	Bracket	1	1	1
5	1359581	Outlet Assembly	1	1	1
5	345453	Outlet (Reservoir)	1	1	1
6	1457312	Hose	1	1	1
7	345454	Cap	1	1	1
8	336550	Bushing	1	1	1
9	1345825	Strap	1	1	1
10	173247	Clamp	1	1	1
11	127045	Clamp	4	2	4
12	292682	Lockwasher	3	3	3
13	320159	Washer	3	3	3
14	136985	Capscrew	3	3	3
15	136692	Nut	3	3	3
16	302235	Screw	2	2	2
17	292678	Lockwasher	2	2	2
18	1347076	Washer	2	2	2
19	1329271	Clip	2	2	2
20	1329272	U-Nut	2	2	2
21	1359580	Tube	1	1	1
22	1352140	Cap	1	1	1
23	1331152	Shim	AR	AR	AR
24	1339651	Hose (Lower)	1	..	..
24	1376722	Hose (Lower)	..	1	..
24	1396212	Hose (Lower)	..	..	1
25	1368949	Hose (Upper)	1	..	..
25	1375132	Hose (Upper)	..	1	..
25	1396211	Hose (Upper)	..	..	1
26	1339635	Shroud	1	..	..
26	1375134	Shroud	..	1	..
26	1396221	Shroud	..	..	1
27	119236	Clamp	..	1	1
28	369804	Clamp	..	1	1

RADIATOR AND HOSES (Figure 2-14)

(⇒S/N H177B-40525A 3.0L, ⇒S/N H177B-40926A 2.6L,
S/N H177B-18578⇔S/N H177B-41039A 2.0L-2.2L)



HP090484

RADIATOR AND HOSES

(⇒S/N H177B-40525A 3.0L, ⇒S/N H177B-40926A 2.6L, S/N H177B-18578↔S/N H177B-41039A 2.0L-2.2L)

KEY:**A: Gasoline and LPG 2.0L-2.2L****B: Gasoline and LPG 3.0L****C: Diesel 2.6L**

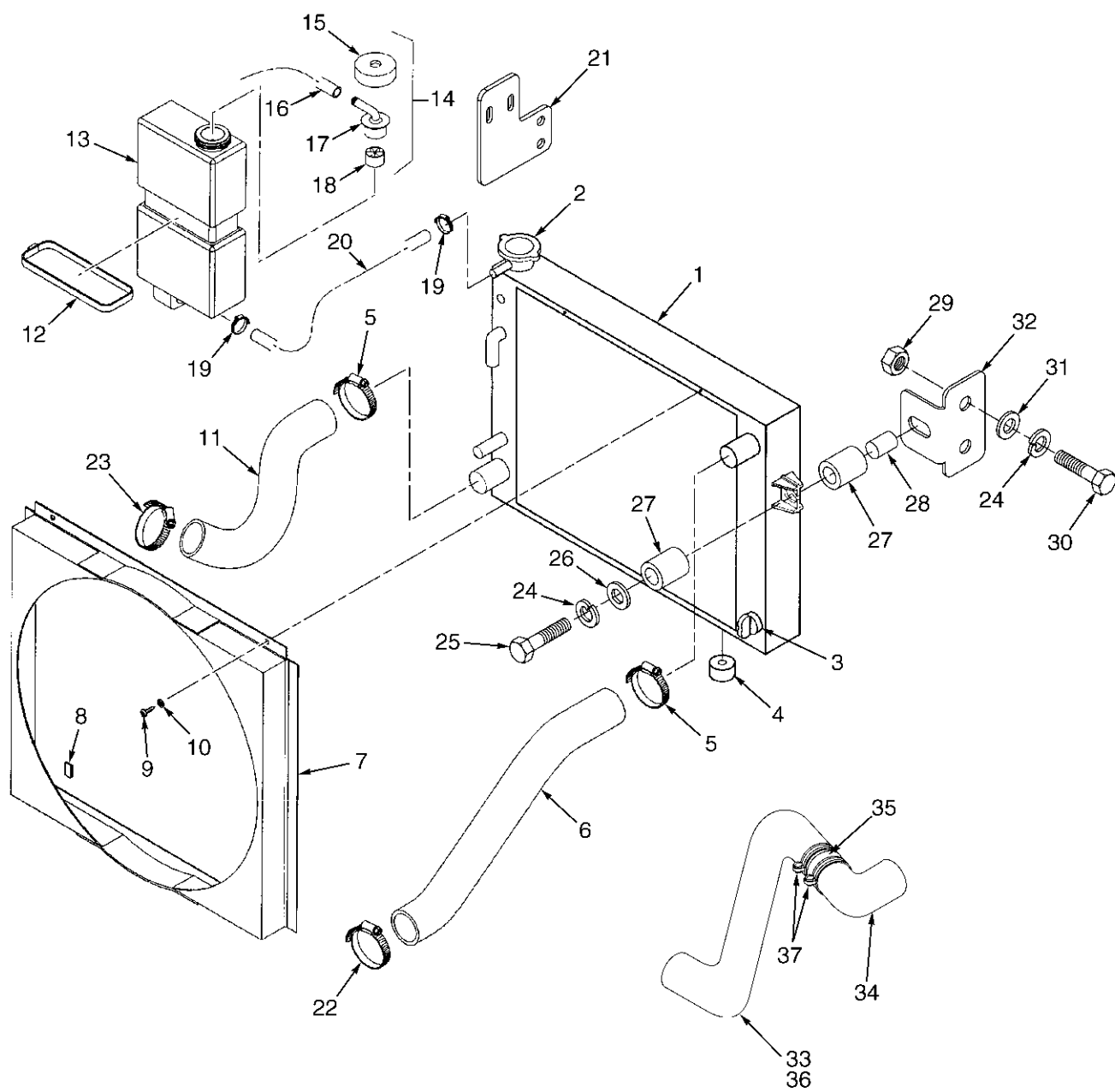
ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	2037936	Radiator	..	1	1
1	2039172	Radiator	1	..	..
1	2041822	Plug	1	1	1
1	2041823	Isolator Kit	1	1	1
2	292509	Capscrew	4	4	4
3	320157	Washer	4	4	4
4	239503	Nut	4	4	4
5	127045	Clamp	2	2	2
6	1339651	Hose (Lower)	1	..	..
6	1376722	Hose (Lower)	..	1	..
6	1396212	Hose (Lower)	..	..	1
7	119236	Clamp	..	1	..
7	127045	Clamp	1	..	..
7	130845	Clamp	..	..	1
8	127045	Clamp	1	..	..
8	130845	Clamp	..	1	1
9	2039173	Shroud	..	..	1
9	2039174	Shroud	..	1	..
9	2039175	Shroud	1	..	..
10	1329271	Clip	2	2	2
11	2027655	Screw	2	2	2
12	18500	Washer	2	2	2
13	1368949	Hose (Upper)	1	..	..
13	1375132	Hose (Upper)	..	1	..
13	1396211	Hose (Upper)	..	..	1
14	1345825	Strap	1	1	1
15	1347026	Reservoir	1	1	1
16	1359581	Outlet Assembly	1	1	1
17	345454	Cap	1	1	1
18	1457312	Hose	1	1	1
19	345453	Outlet (Reservoir)	1	1	1
20	336550	Bushing	1	1	1
21	1359580	Tube	1	1	1
22	168718	Clamp	2	2	2
23	1352140	Cap	1	1	1

RADIATOR AND HOSES (Figure 2-15)

GASOLINE AND LPG

2.0L AND 2.2L

(S/N H177B-41040A⇒)



YP090205

RADIATOR AND HOSES

GASOLINE AND LPG

2.0L AND 2.2L

(S/N H177B-41040A⇒)

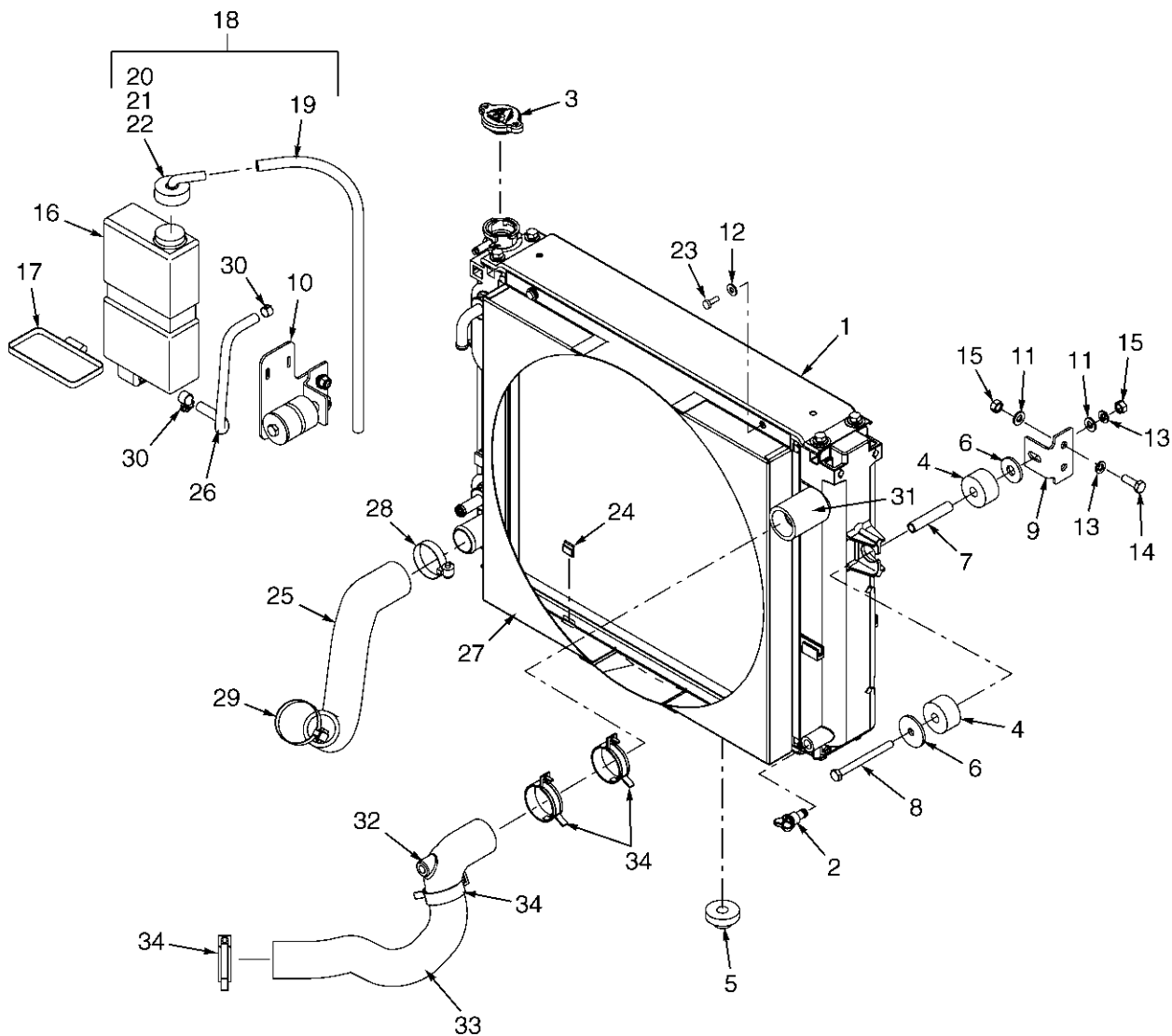
ITEM	PART NO.	DESCRIPTION	QTY
1	2054530	Radiator (Standard Core)	1
1	2055337	Radiator (Open Core)	1
2	1352140	Cap	1
3	1528495	Drain Plug	1
4	2029170	Cushion (Rubber)	2
5	369804	Clamp	2
6	a 1526995	Hose (Upper)	1
7	1527837	Shroud (Fan)	1
8	1329271	Clip	2
9	2027655	Screw	2
10	18500	Washer	2
11	1339651	Hose (Lower)	1
12	1345825	Strap	1
13	1347026	Reservoir	1
14	1359581	Outlet Assembly	1
15	345454	Cap	1
16	1457312	Hose	AR
17	345453	Outlet (Reservoir)	1
18	336550	Bushing	1
19	353310	Clamp	2
20	1359580	Tube	1
21	1528492	Bracket	2
22	369804	Clamp	1
23	369804	Clamp	1
24	292681	Lockwasher	6
25	346656	Capscrew	2
26	1485805	Washer	2
27	2021512	Isolator	4
28	2029227	Spacer	2
29	239503	Nut	6
30	136749	Capscrew	4
31	320157	Washer	6
32	1526168	Bracket	2
33	b 1530546	Hose Assembly (Upper)	1
34	b 1530594	Hose	1
35	b 1530544	Fitting	1
36	b 1530591	Hose	1
37	b 127045	Clamp	2

FOOTNOTES:**a** ⇒ S/N H177B-42138A**b** S/N H177B-42139A ⇒

RADIATOR AND HOSES (Figure 2-16)

GASOLINE 2.0L AND 2.2L

EPA COMPLIANT



HP060029

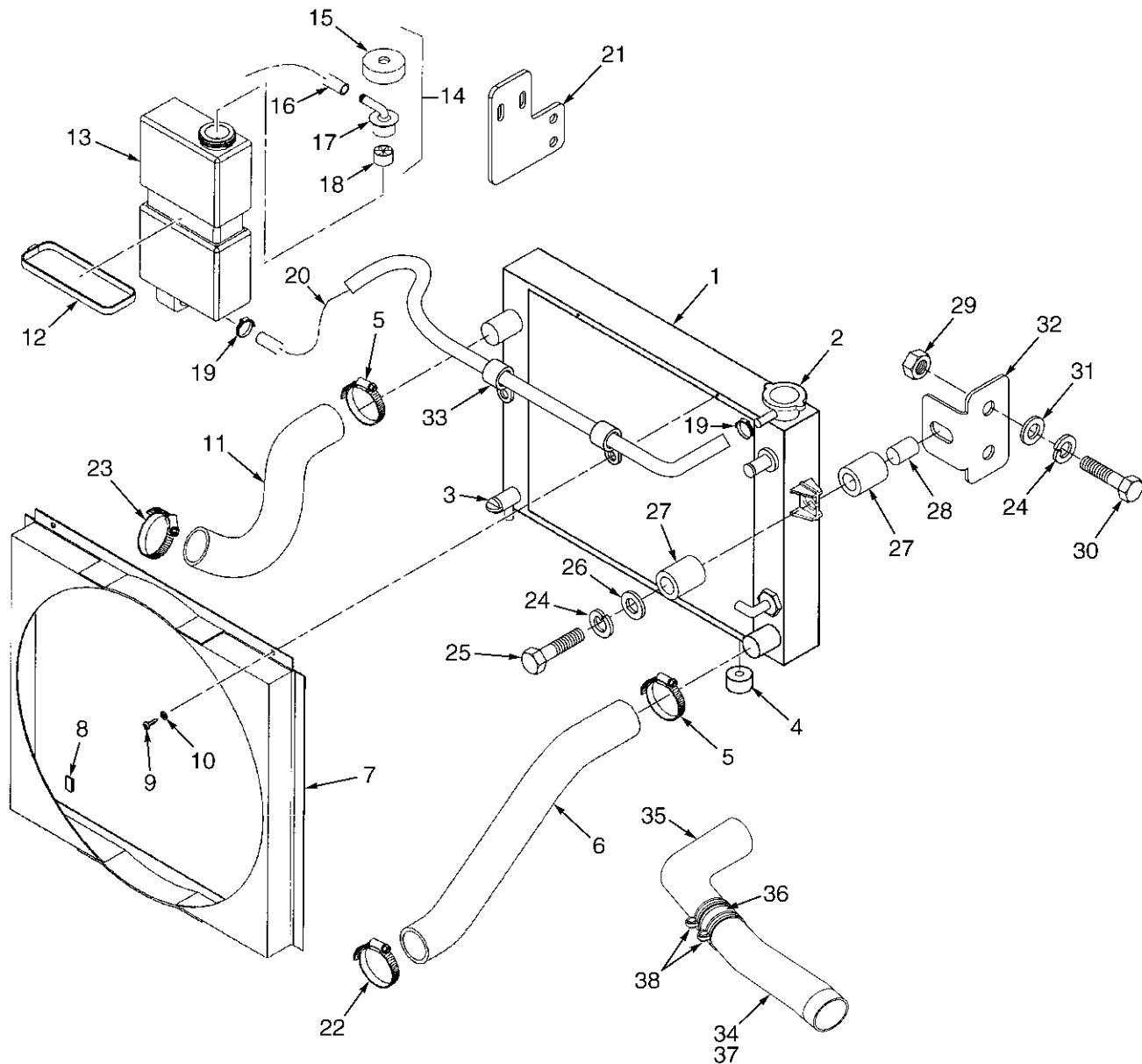
**RADIATOR AND HOSES
GASOLINE 2.0L AND 2.2L
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	2054530	Radiator (Standard Core)	1
1	2055337	Radiator (Open Core)	1
2	1528495	Drain Plug.....	1
3	1352140	Cap.....	1
4	2021512	Isolator.....	4
5	2029170	Cushion (Rubber)	2
6	1485805	Washer	2
7	2029227	Spacer	2
8	346656	Capscrew.....	2
9	1526168	Bracket.....	2
10	1528492	Bracket.....	1
11	320157	Washer	6
12	18500	Washer	2
13	292681	Lockwasher.....	8
14	136749	Capscrew.....	4
15	239503	Nut	6
16	1347026	Reservoir	1
17	1345825	Strap	1
18	1359581	Outlet Assembly.....	1
19	1457312	Hose	1
20	345453	Outlet (Reservoir)	1
21	345454	Cap.....	1
22	336550	Bushing	1
23	2027655	Screw.....	2
24	1329271	Clip	2
25	1339651	Hose	1
26	1359580	Tube	1
27	1527837	Shroud (Fan).....	1
28	369804	Clamp	1
29	369804	Clamp	1
30	353310	Clamp	2
31	2061648	Hose	1
32	1539236	Elbow Hose.....	1
33	2061649	Hose	1
34	369804	Clamp	4

RADIATOR AND HOSES (Figure 2-17)

GASOLINE AND LPG 3.0L

(S/N H177B-40525A⇒)



BP090035

RADIATOR AND HOSES **GASOLINE AND LPG 3.0L** **(S/N H177B-40525A⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	2054531	Radiator (Standard Core)	1
1	2055338	Radiator (Open Core)	1
2	1352140	Cap.....	1
3	1528495	Drain Plug.....	1
4	2029170	Cushion (Rubber)	2
5	127045	Clamp	2
6	1376722	Hose (Lower)	1
7	1527836	Shroud (Fan).....	1
8	1329271	Clip	2
9	2027655	Screw.....	2
10	18500	Washer	2
11	a 1375132	Hose (Upper)	1
12	1345825	Strap	1
13	1347026	Reservoir	1
14	1359581	Outlet Assembly.....	1
15	345454	Cap.....	1
16	1457312	Hose.....	AR
17	345453	Outlet (Reservoir)	1
18	336550	Bushing	1
19	353310	Clamp	2
20	1305436	Tube	1
21	1528492	Bracket.....	2
22	119236	Clamp	1
23	130845	Clamp	1
24	292681	Lockwasher.....	6
25	346656	Capscrew.....	2
26	1485805	Washer	2
27	2021512	Isolator.....	4
28	2029227	Spacer	2
29	239503	Nut	6
30	136749	Capscrew.....	4
31	320157	Washer	6
32	1526168	Bracket.....	2
33	1360146	Clamp	2
34	b 1530592	Hose Assembly (Upper).....	1
35	b 1530595	Hose	1
36	b 1530544	Fitting.....	1
36	b 1535196	Low Coolant Sender.....	1
37	b 1530593	Hose	1
38	b 127045	Clamp	2

FOOTNOTES:

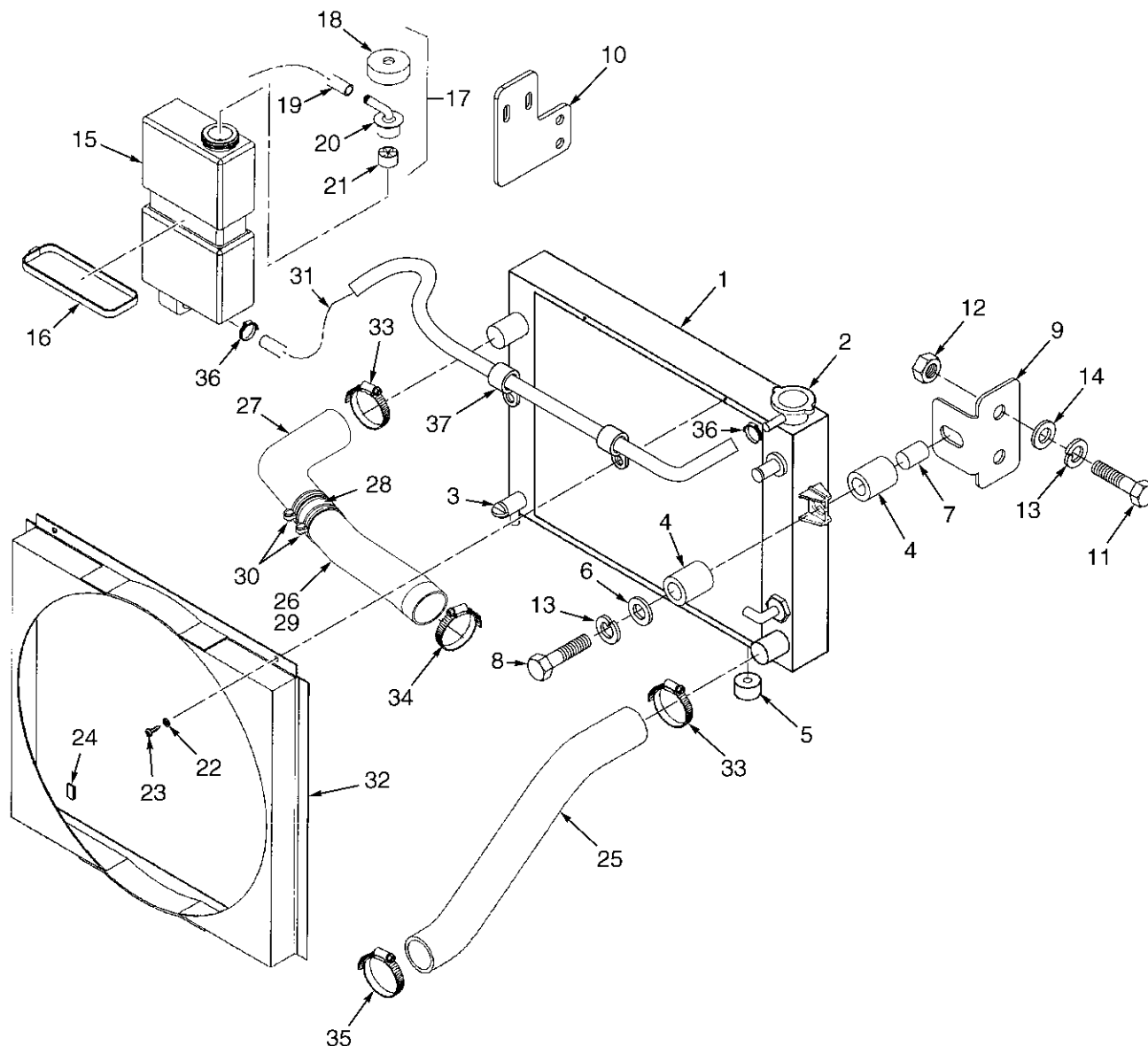
a ⇒ S/N H177B-42138A

b S/N H177B-42139A ⇒

RADIATOR AND HOSES (Figure 2-18)

GASOLINE AND LPG 3.0L

EPA COMPLIANT



BP060018

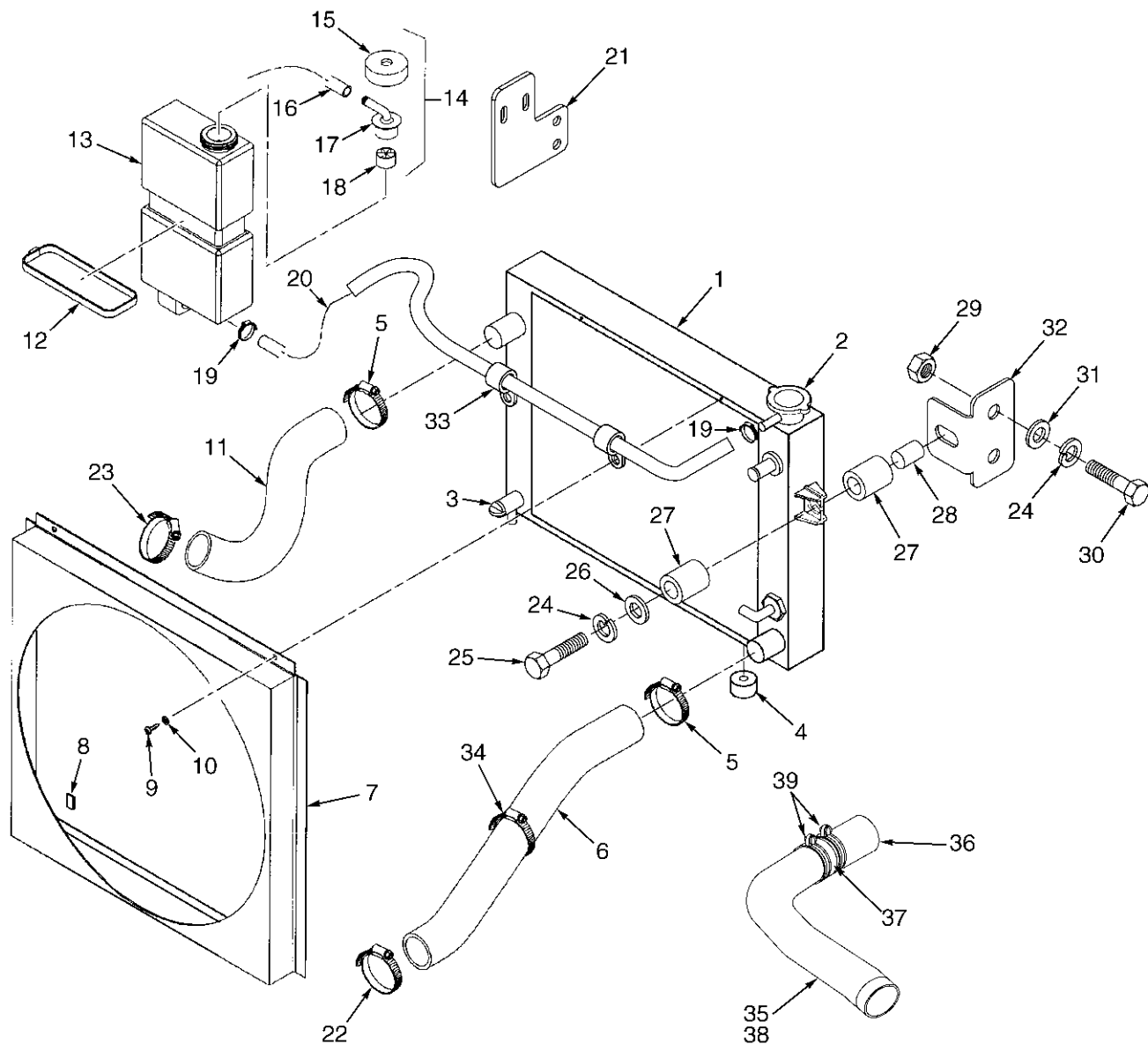
**RADIATOR AND HOSES
GASOLINE AND LPG 3.0L
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	2054531	Radiator (Standard Core)	1
1	2055338	Radiator (Open Core)	1
2	1352140	Cap.....	1
3	1528495	Drain Plug.....	1
4	2021512	Isolator.....	4
5	2029170	Cushion (Rubber)	2
6	1485805	Washer	2
7	2029227	Spacer	2
8	346656	Capscrew.....	2
9	1526168	Bracket.....	2
10	1528492	Bracket.....	1
11	136749	Capscrew.....	4
12	239503	Nut	6
13	292681	Lockwasher.....	6
14	320157	Washer	6
15	1347026	Reservoir	1
16	1345825	Strap	1
17	1359581	Outlet Assembly.....	1
18	345454	Cap.....	1
19	1457312	Hose.....	AR
20	345453	Outlet (Reservoir)	1
21	336550	Bushing	1
22	18500	Washer	2
23	2027655	Screw.....	2
24	1329271	Clip	2
25	1376722	Hose (Lower)	1
26	1542466	Hose Assembly (Upper).....	1
27	1542467	Hose	1
28	1530544	Fitting.....	1
29	1542468	Hose	1
30	127045	Clamp	2
31	1305436	Tube	1
32	1527836	Shroud (Fan).....	1
33	369804	Clamp	2
34	369804	Clamp	1
35	119236	Clamp	1
36	353310	Clamp	2
37	1360146	Clamp	2

RADIATOR AND HOSES (Figure 2-19)

2.6L DSL

(S/N H177B-40927A⇒)



HP091022

RADIATOR AND HOSES

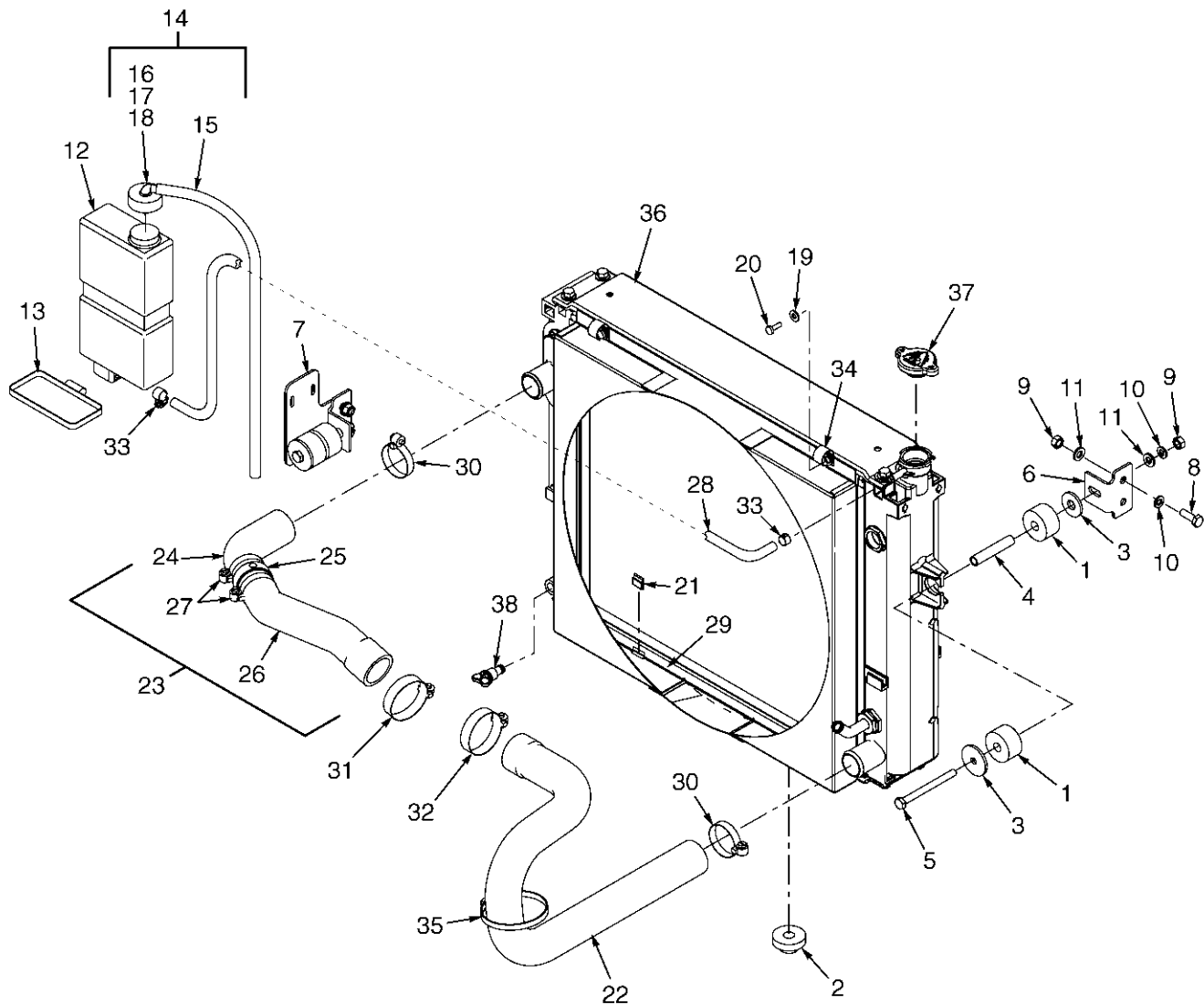
2.6L DSL

(S/N H177B-40927A⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	2054531	Radiator (Standard Core)	1
1	2055338	Radiator (Open Core)	1
2	1352140	Cap.....	1
3	1528495	Drain Plug.....	1
4	2029170	Cushion (Rubber)	2
5	369804	Clamp	2
6	1396212	Hose (Lower)	1
7	1527835	Shroud (Fan).....	1
8	1329271	Clip	2
9	2027655	Screw.....	2
10	18500	Washer	2
11	a 1396211	Hose (Upper)	1
12	1345825	Strap	1
13	1347026	Reservoir	1
14	1359581	Outlet Assembly.....	1
15	345454	Cap.....	1
16	1457312	Hose.....	AR
17	345453	Outlet (Reservoir)	1
18	336550	Bushing	1
19	353310	Clamp	2
20	1305436	Tube	1
21	1528492	Bracket.....	2
22	119236	Clamp	1
23	369804	Clamp	1
24	292681	Lockwasher.....	6
25	346656	Capscrew.....	2
26	1485805	Washer	2
27	2021512	Isolator.....	4
28	2029227	Spacer	2
29	239503	Nut	6
30	136749	Capscrew.....	4
31	320157	Washer	6
32	1526168	Bracket.....	2
33	1360146	Clamp	2
34	129563	Strap Clamp.....	1
35	b 1530543	Hose Assembly (Upper).....	1
36	b 1530541	Hose	1
37	b 1530544	Fitting.....	1
38	b 1530542	Hose	1
39	b 369804	Clamp	2

FOOTNOTES:**a** ⇒ S/N H177B-42138A**b** S/N H177B-42139A ⇒

COOLING SYSTEM (Figure 2-20) RADIATOR AND HOSES DIESEL TIER II

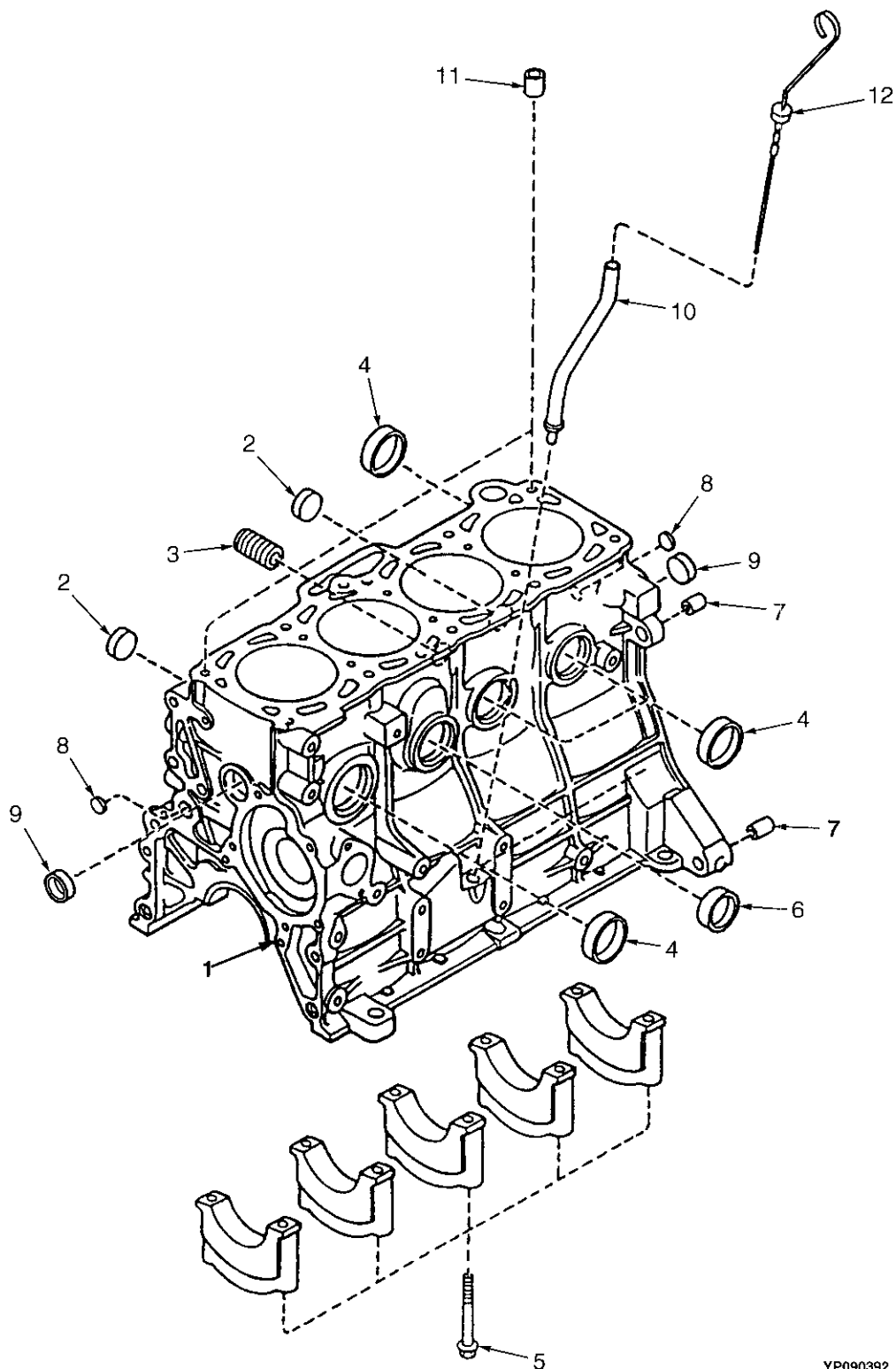


HP060028

COOLING SYSTEM RADIATOR AND HOSES DIESEL TIER II

ITEM	PART NO.	DESCRIPTION	QTY
1	2021512	Isolator.....	4
2	2029170	Cushion (Rubber)	2
3	1485805	Washer	2
4	2029227	Spacer	2
5	346656	Capscrew.....	2
6	1526168	Bracket.....	2
7	1528492	Bracket.....	1
8	136749	Capscrew.....	4
9	239503	Nut	6
10	292681	Lockwasher.....	6
11	320157	Washer	6
12	1347026	Reservoir	1
13	1345825	Strap	1
14	1359581	Outlet Assembly.....	1
15	1457312	Hose	1
16	345453	Outlet (Reservoir)	1
17	345454	Cap.....	1
18	336550	Bushing	1
19	18500	Washer	3
20	2027655	Screw.....	2
21	1329271	Clip	2
22	1396212	Hose (Lower)	1
23	1530543	Hose Assembly (Upper).....	1
24	1530541	Hose	1
25	1530544	Fitting.....	1
26	1530542	Hose	1
27	127045	Clamp	2
28	1305436	Tube	1
29	1527835	Shroud (Fan).....	1
30	369804	Clamp	2
31	369804	Clamp	1
32	119236	Clamp	1
33	353310	Clamp	2
34	1360146	Clamp	2
35	129563	Strap Clamp.....	1
36	2054531	Radiator (Standard Core)	1
36	2055338	Radiator (Open Core)	1
37	1352140	Cap.....	1
38	1528495	Drain Plug.....	1

CYLINDER BLOCK (Figure 2-21) GASOLINE AND LPG 2.0L



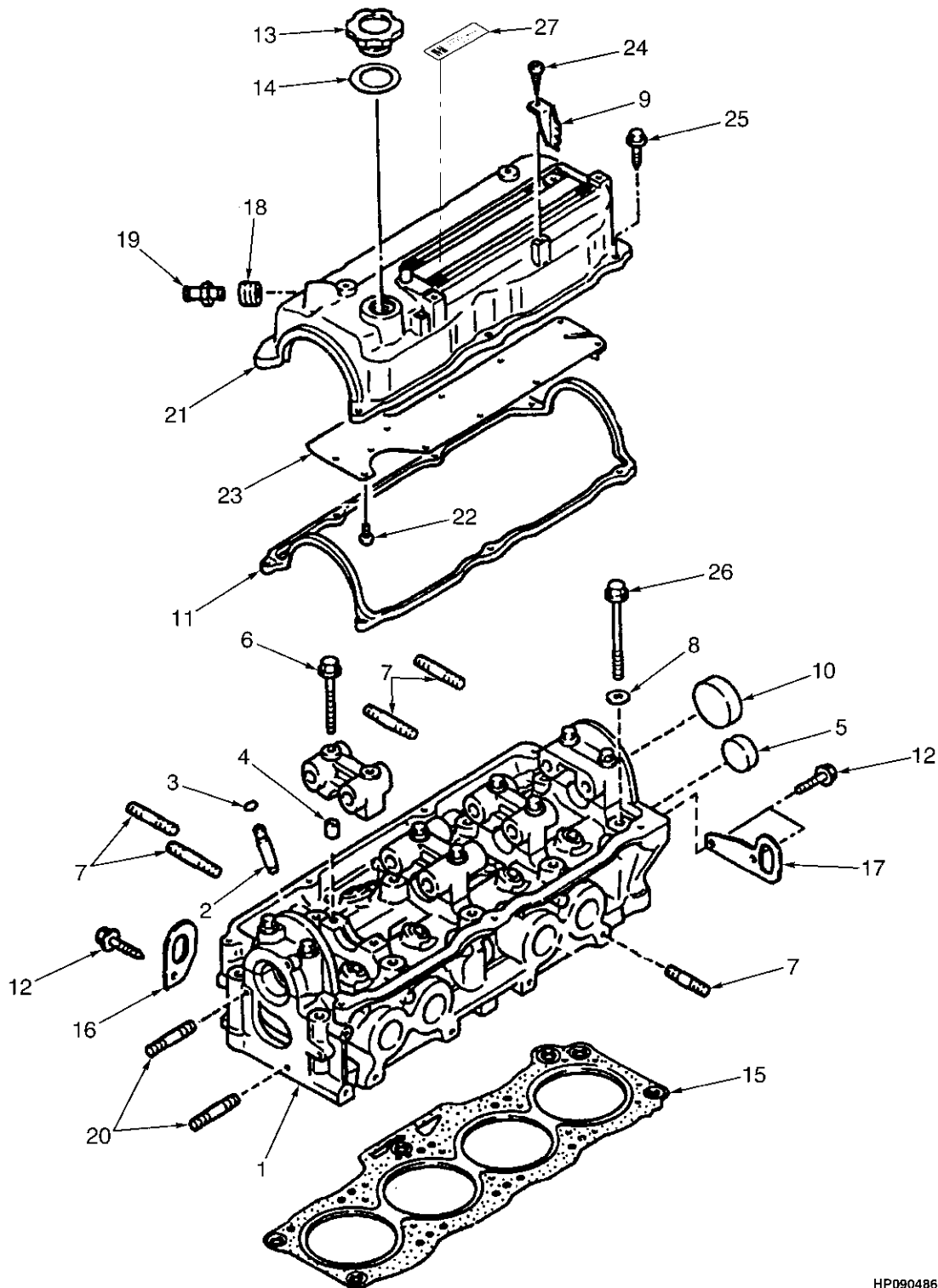
YP090392

**CYLINDER BLOCK
GASOLINE AND LPG
2.0L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	1527558	Engine (Gasoline) (EPA Compliant).....	1
	b 1469382	Engine (LPG) (Open Loop).....	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop).....	1
	1546827	Engine (LPG) (EPA Compliant).....	1
1	1360897	Cylinder Block	1
2	1362005	Plug.....	2
3	1360898	Gasket.....	1
4	1362003	Plug.....	4
5	1361676	Bolt.....	10
6	1362007	Plug.....	2
7	1362008	Pin.....	2
8	1361675	Plug.....	2
9	1362009	Plug.....	1
10	1360899	Pipe.....	1
11	1360896	Pin	2
12	1361677	Dipstick.....	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒**c** S/N H177B-26764Y ⇒

CYLINDER HEAD (Figure 2-22) GASOLINE AND LPG 2.0L



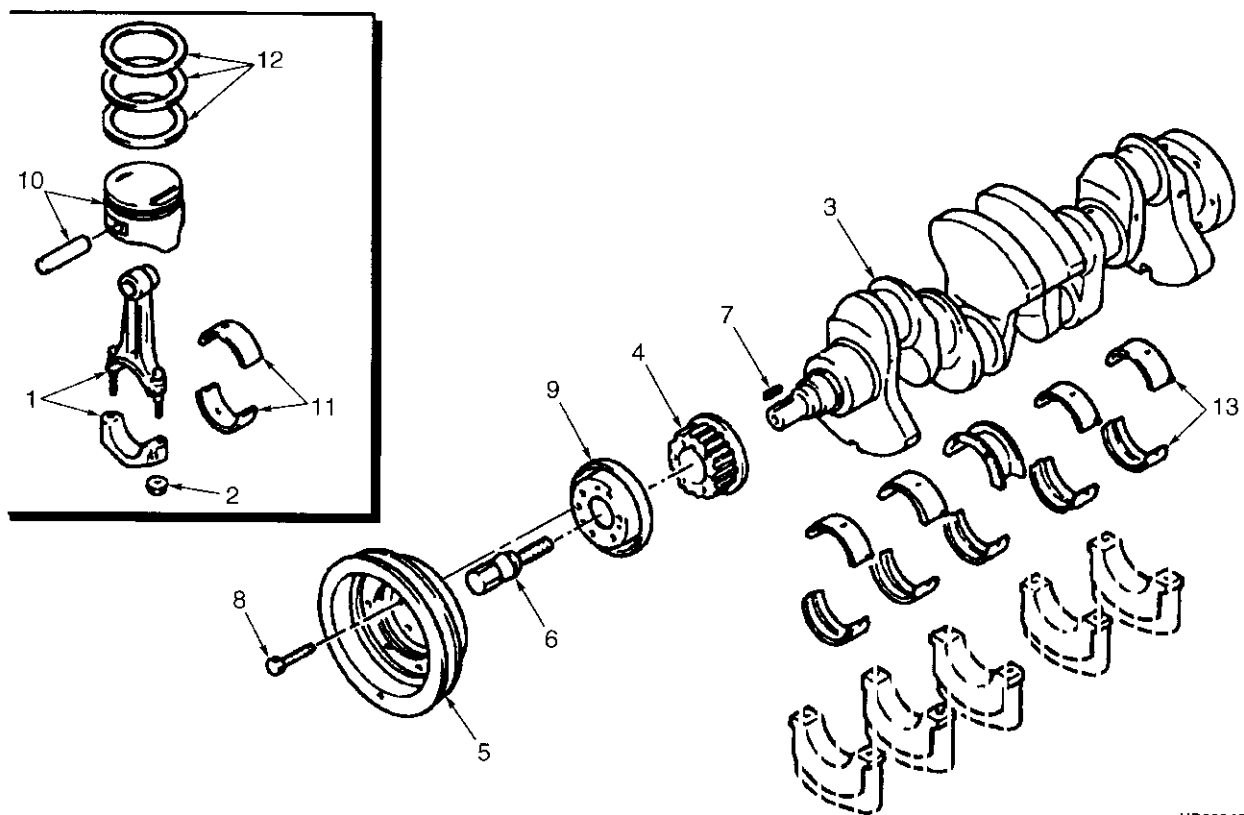
HP090486

**CYLINDER HEAD
GASOLINE AND LPG
2.0L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	1527558	Engine (Gasoline) (EPA Compliant).....	1
	b 1469382	Engine (LPG) (Open Loop).....	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop).....	1
	1546827	Engine (LPG) (EPA Compliant).....	1
1	1379425	Cylinder Head Kit	1
1	1360878	Cylinder Head	1
2	1360895	Valve Guide	8
3	1360879	Clip.....	8
4	1362002	Pin.....	10
5	1362003	Plug.....	1
6	1361894	Capscrew.....	10
7	1361897	Stud.....	8
8	1360881	Washer	10
9	1360885	Bracket	2
10	1360882	Cap.....	8
11	1360886	Gasket.....	1
12	1361898	Bolt	3
13	1360887	Cap.....	1
14	1360888	Gasket.....	1
15	1360889	Gasket (LPG)	1
15	2045321	Gasket (Gasoline)	1
16	1360890	Bracket	1
17	a 1360891	Bracket	1
17	b 2314973	Hanger.....	1
18	1360892	Seal	1
19	1360893	Valve (PCV).....	1
19	1553692	Valve (PCV) (Gas, EPA Compliant)	1
20	1361889	Screw	4
21	1360883	Cover.....	1
21	1553693	Cover (Gas, EPA Compliant)	1
22	a 1361896	Screw	12
22	b 2022655	Screw	10
23	1360884	Plate.....	1
24	1362000	Screw	2
25	1362001	Bolt	7
26	1360880	Bolt	10
27	a 1469385	Label (Engine).....	1
27	1553691	Label-Engine EPA Compliant	1
	1367190	Gasket Set (Includes Items 11, 15)	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒**c** S/N H177B-26764Y ⇒

CRANKSHAFT AND PISTON (Figure 2-23) GASOLINE AND LPG 2.0L



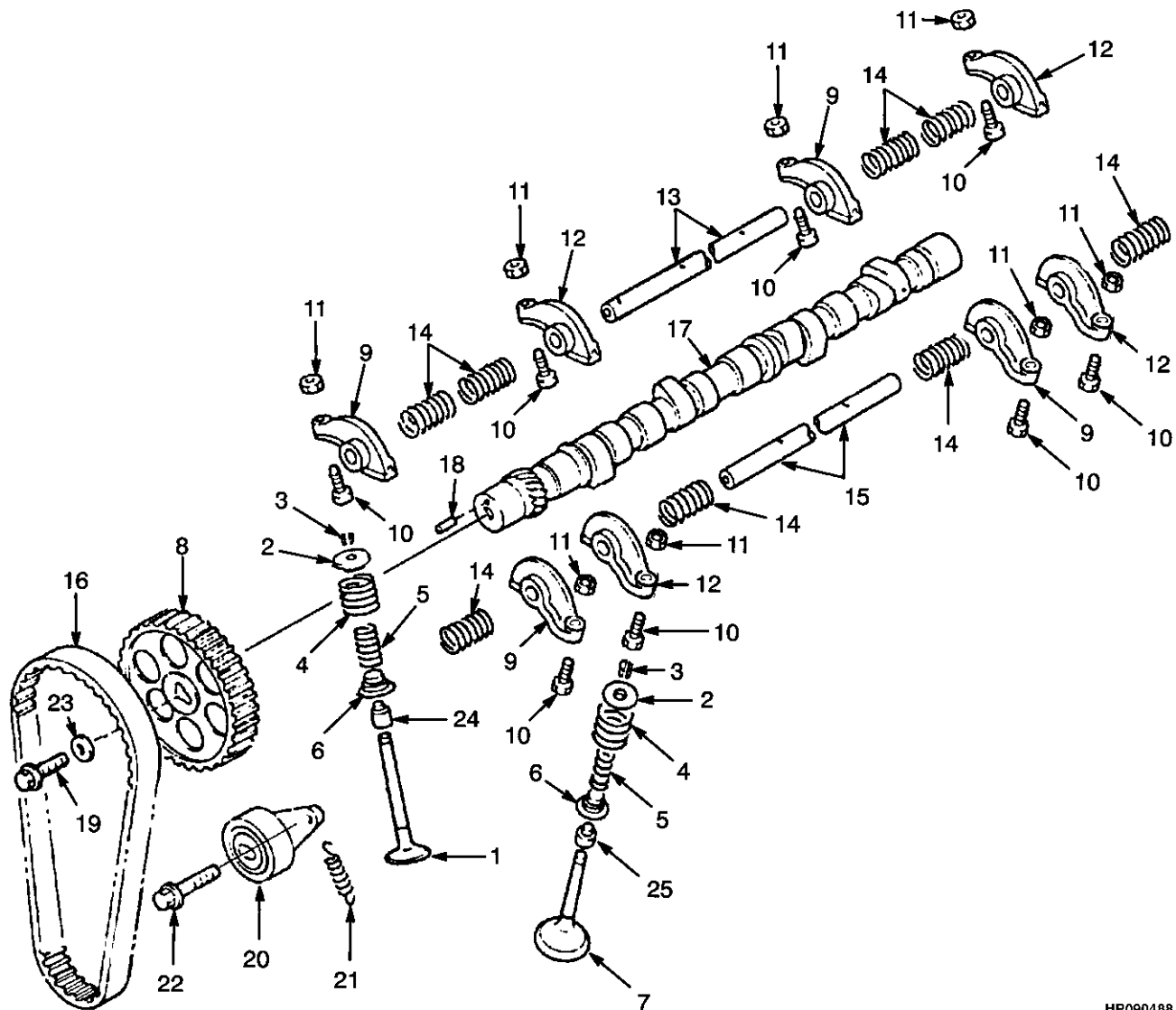
HP090487

CRANKSHAFT AND PISTON GASOLINE AND LPG 2.0L

ITEM	PART NO.	DESCRIPTION	QTY
	e 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	1527558	Engine (Gasoline) (EPA Compliant).....	1
	f 1469382	Engine (LPG) (Open Loop).....	1
	g 1486698	Engine (LPG) (LPG) (Closed Loop).....	1
	1546827	Engine (LPG) (EPA Compliant).....	1
1	1361694	Rod Assembly	4
2	1361695	Nut	2
3	1361696	Crankshaft	1
4	1361698	Pulley (LPG)	1
4	2045030	Pulley (Gas).....	1
5	1361699	Pulley.....	1
5	1553722	Pulley (Gas, EPA Compliant).....	1
6	1361701	Bolt (LPG).....	1
6	2045034	Bolt (Gas)	1
7	1361697	Key	1
8	1361700	Bolt	6
9	1361702	Plate (LPG).....	1
9	2045033	Plate (Gas)	1
10	d 1361714	Piston	4
10	a 1361715	Piston	4
10	b 1361716	Piston	4
11	d 1361703	Bearing Set	1
11	a 1361704	Bearing Set	1
11	b 1361705	Bearing Set	1
11	c 1361706	Bearing Set	1
12	de 1361707	Piston Ring Set.....	1
12	be 1361708	Piston Ring Set.....	1
12	ae 1361709	Piston Ring Set.....	1
12	df 1495473	Piston Ring	1
12	bf 1495474	Piston Ring	1
12	af 1495475	Piston Ring	1
13	d 1361710	Bearing Set	1
13	b 1361711	Bearing Set	1
13	c 1361712	Bearing Set	1
13	a 1361713	Bearing Set	1

FOOTNOTES:**a** 0.25 mm**b** 0.50 mm**c** 0.75 mm**d** Standard**e** ⇒ S/N H177B-23393**f** S/N H177B-23394 ⇒**g** S/N H177B-26764Y ⇒

CAMSHAFT AND VALVES (Figure 2-24) GASOLINE AND LPG 2.0L



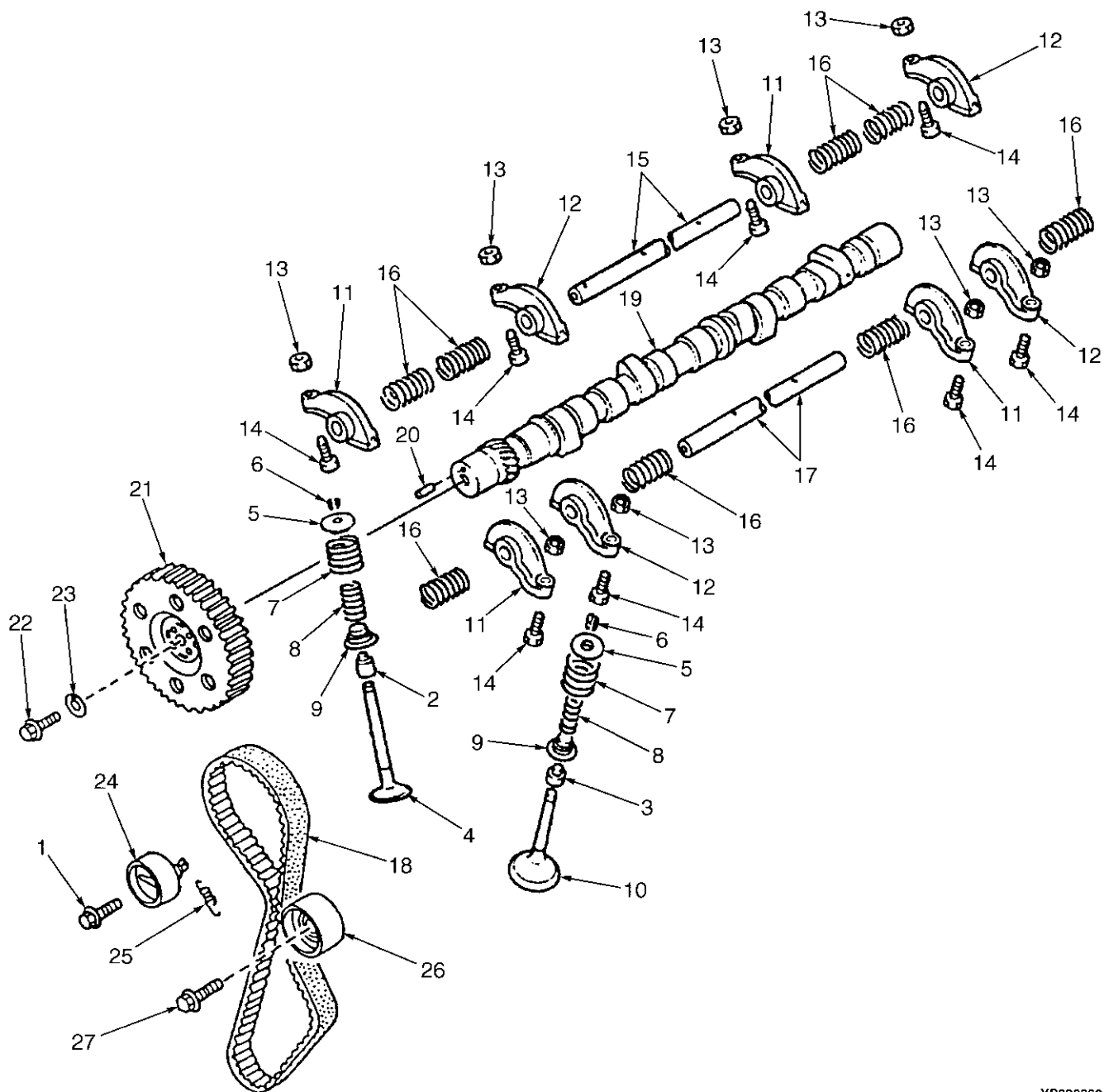
HP090488

CAMSHAFT AND VALVES GASOLINE AND LPG 2.0L

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	b 1469382	Engine (LPG) (Open Loop)	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop)	1
	1546827	Engine (LPG) (EPA Compliant)	1
1	1361720	Valve (Intake)	4
2	1361721	Valve Seat	8
3	326612	Retainer	8
4	1361722	Spring	8
5	1361723	Spring	8
6	1361724	Seat	8
7	1361725	Valve (Exhaust)	4
8	1361735	Pulley	1
9	1361726	Rocker Arm	4
10	1361727	Screw	8
11	1361728	Nut	8
12	1361729	Rocker Arm	4
13	1361730	Shaft	1
14	1361731	Spring	8
15	1361732	Shaft	1
16	1361733	Timing Belt	1
17	1361734	Camshaft	1
18	1361717	Pin	1
19	1361736	Bolt	1
20	1361738	Tensioner	1
21	1361739	Spring	1
22	1362016	Bolt	1
23	1361737	Washer	1
24	1361718	Seal (Intake)	4
25	1361719	Seal (Exhaust)	4
	1367190	Gasket Set (Includes Items 24-25)	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒**c** S/N H177B-26764Y ⇒

CAMSHAFT AND VALVES (Figure 2-25) GASOLINE EPA COMPLIANT



YP090368

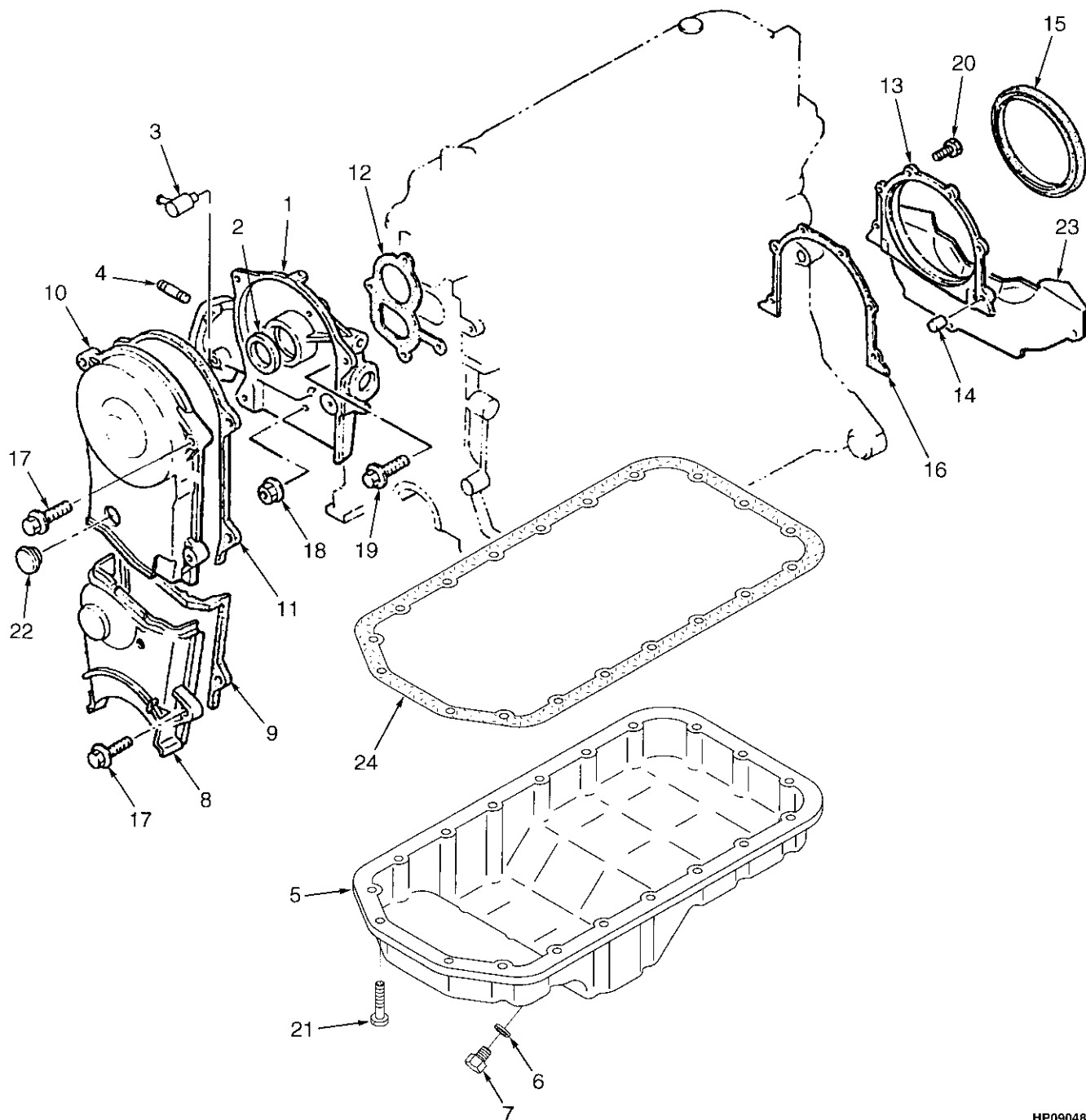
CAMSHAFT AND VALVES

GASOLINE

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	1527558	Engine (Gasoline)	1
1	1362016	Bolt	1
2	1361718	Seal	4
3	1361719	Seal	4
4	1361720	Valve (Intake).....	4
5	1361721	Valve Seat	8
6	326612	Retainer.....	16
7	1361722	Spring	8
8	1361723	Spring	8
9	1361724	Seat.....	8
10	1361725	Valve (Exhaust)	4
11	1361726	Rocker Arm	4
12	1361729	Rocker Arm	4
13	1361728	Nut	1
14	1361727	Screw	1
15	1361730	Shaft	1
16	1361731	Spring	1
17	1361732	Shaft	1
18	1553762	Timing Belt	1
19	1361734	Camshaft	1
20	1361717	Pin	1
21	2029095	Pulley.....	1
22	1361736	Bolt	1
23	1361737	Washer	1
24	2029097	Belt Tensioner.....	1
25	1553763	Spring	1
26	2029098	Idler	1
27	1361884	Bolt	1

TIMING GEAR COVER AND OIL PAN (Figure 2-26) GASOLINE AND LPG 2.0L



HP090489

TIMING GEAR COVER AND OIL PAN GASOLINE AND LPG 2.0L

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	b 1469382	Engine (LPG) (Open Loop)	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop)	1
	1546827	Engine (LPG) (EPA Compliant)	1
1	1361678	Housing	1
2	1361688	Oil Seal	1
3	1361692	Connector	1
4	1362012	Stud	1
5	1361680	Oil Pan	1
6	1362015	Gasket	1
7	1361681	Drain Plug	1
8	1361683	Cover	1
9	1361684	Gasket	1
10	1361686	Cover	1
11	1361687	Gasket	1
12	1361679	Gasket	1
13	1361689	Cover (Rear)	1
14	1362010	Pin	2
15	1361691	Oil Seal (Rear)	1
16	1361690	Gasket	1
17	1362001	Bolt	5
18	326504	Nut	2
19	b 1361898	Bolt	1
19	a 1362013	Capscrew	1
20	1362011	Bolt	6
21	1370736	Capscrew	19
22	1361685	Cap	1
23	1371652	Cover	1
24	1361682	Gasket	1
	1367190	Gasket Set (Includes Items 2, 9, 11-12, 15-16, 24)	1

FOOTNOTES:

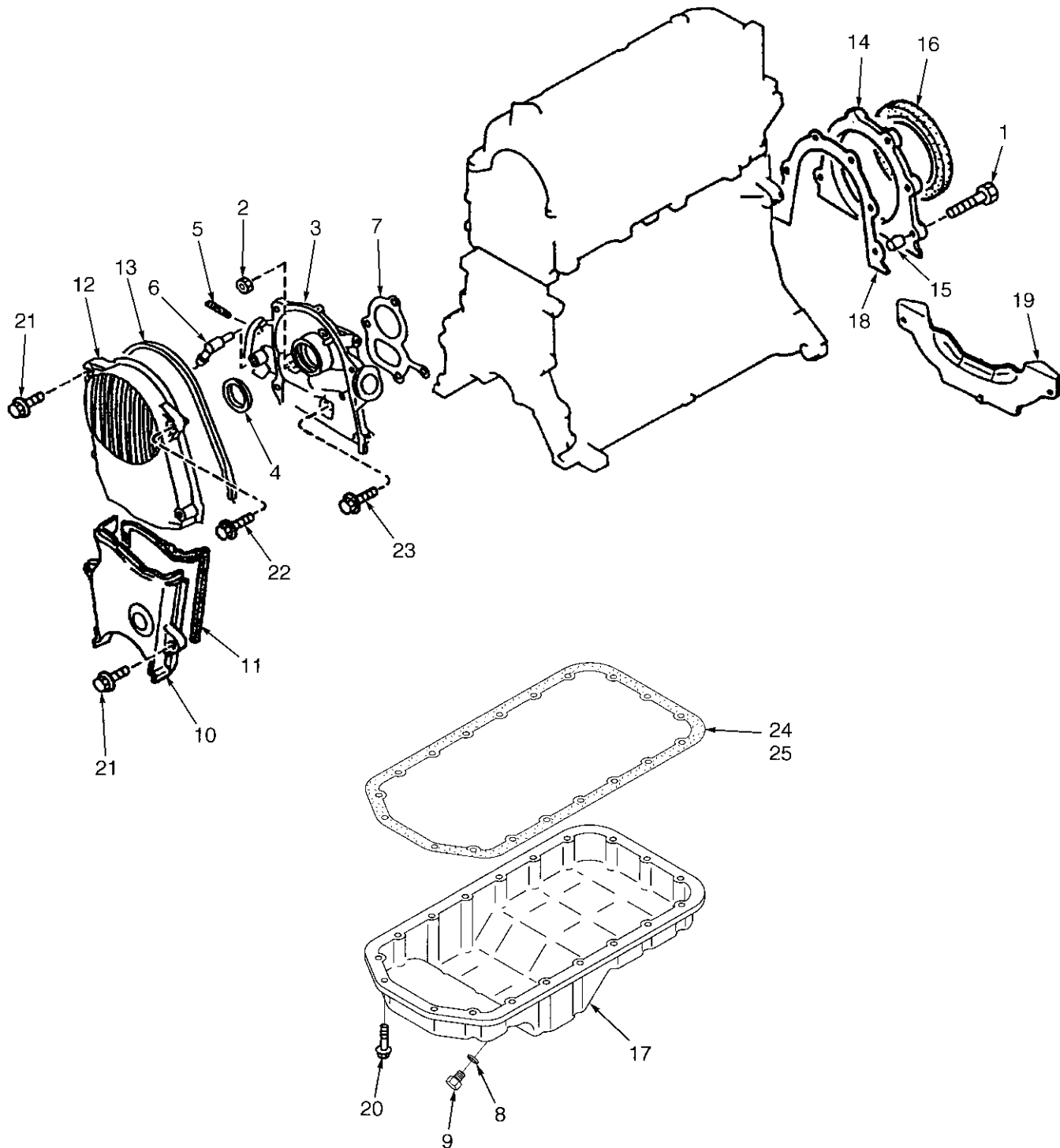
a ⇒ S/N H177B-23393

b S/N H177B-23394 ⇒

c S/N H177B-26764Y ⇒

TIMING GEAR COVER AND OIL PAN (Figure 2-27)

GASOLINE EPA COMPLIANT

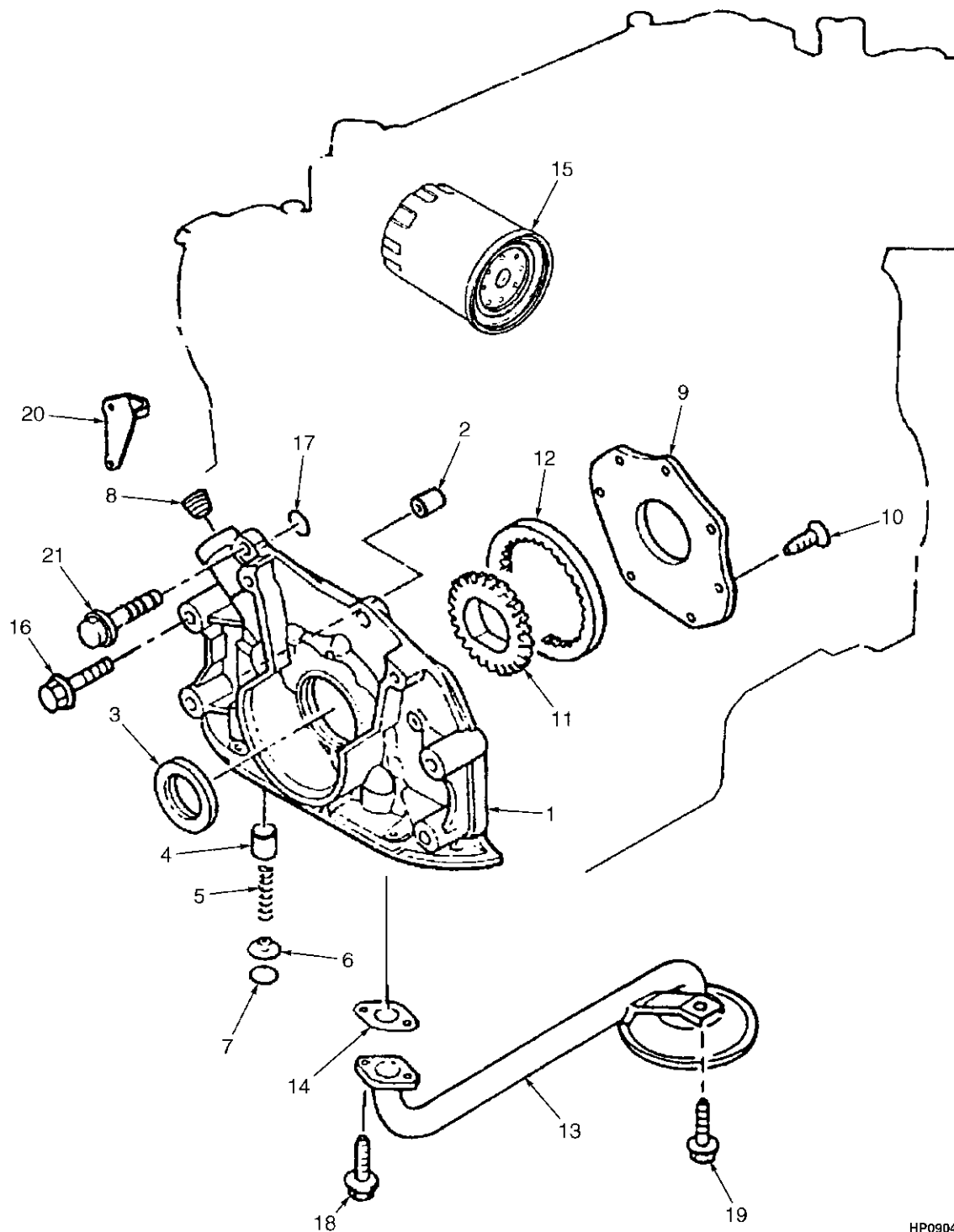


YP090216

TIMING GEAR COVER AND OIL PAN GASOLINE EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	1527558	Engine (Gasoline)	1
1	1362011	Bolt	6
2	326504	Nut	1
3	1553715	Housing (EPA Compliant)	1
4	1361688	Oil Seal	1
5	1362012	Stud	1
6	1361692	Connector	1
7	1361679	Gasket	1
8	1362015	Gasket	1
9	1361681	Drain Plug	1
10	2051128	Cover	1
11	2028853	Gasket	1
12	1553716	Cover (Timing Belt Upper)	1
13	1553717	Gasket	1
14	1361689	Cover (Rear)	1
15	1362010	Pin	2
16	1361691	Oil Seal (Rear)	1
17	2029082	Pan	1
18	1361690	Gasket	1
19	1371652	Cover	1
20	1370736	Capscrew	19
21	1362001	Bolt	5
22	2029086	Bolt	1
23	1369993	Bolt	2
24	1370737	Sealant	1
25	1361682	Gasket (Oil Pan)	1
	2045036	Gasket Kit (Includes Items 4, 7, 11, 13-14, 16, 24-25)	1

OIL PUMP AND FILTER (Figure 2-28) GASOLINE AND LPG 2.0L



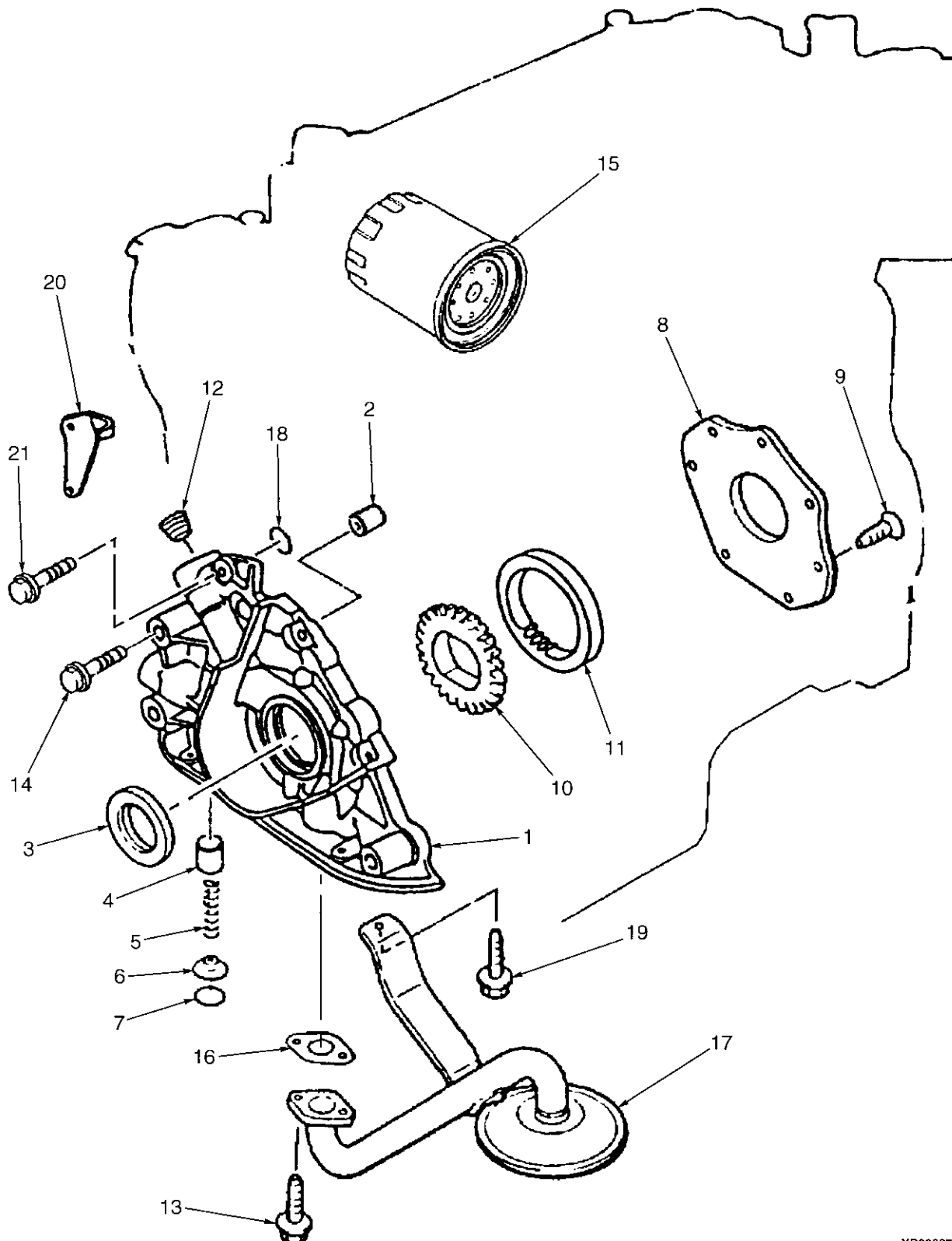
HP090491

OIL PUMP AND FILTER GASOLINE AND LPG 2.0L

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	b 1469382	Engine (LPG) (Open Loop)	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop)	1
	1546827	Engine (LPG) (EPA Compliant)	1
1	1455675	Oil Pump (LPG)	1
1	1455676	Oil Pump (Gasoline)	1
2	1361798	Pin	2
3	1361688	Oil Seal	1
4	1455674	Plunger	1
5	326748	Spring	1
6	326749	Seat	1
7	1361879	Snap Ring	1
8	1368790	Plug	1
9	1361802	Cover	1
10	1455677	Screw	7
11	1361804	Gear (Inner)	1
12	1361805	Gear (Outer)	1
13	1361806	Strainer	1
14	1361807	Gasket	1
15	333642	Filter	1
16	2029103	Screw	6
17	1361801	O-Ring	1
18	1361878	Screw	2
19	1361868	Screw	1
20	b 1495427	Pin	1
21	1369914	Bolt	2
21	1553878	Bolt (EPA Compliant)	2
	1367190	Gasket Set (Includes Items 3, 14, 17)	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒**c** S/N H177B-26764Y ⇒

OIL PUMP AND FILTER (Figure 2-29) GASOLINE EPA COMPLIANT

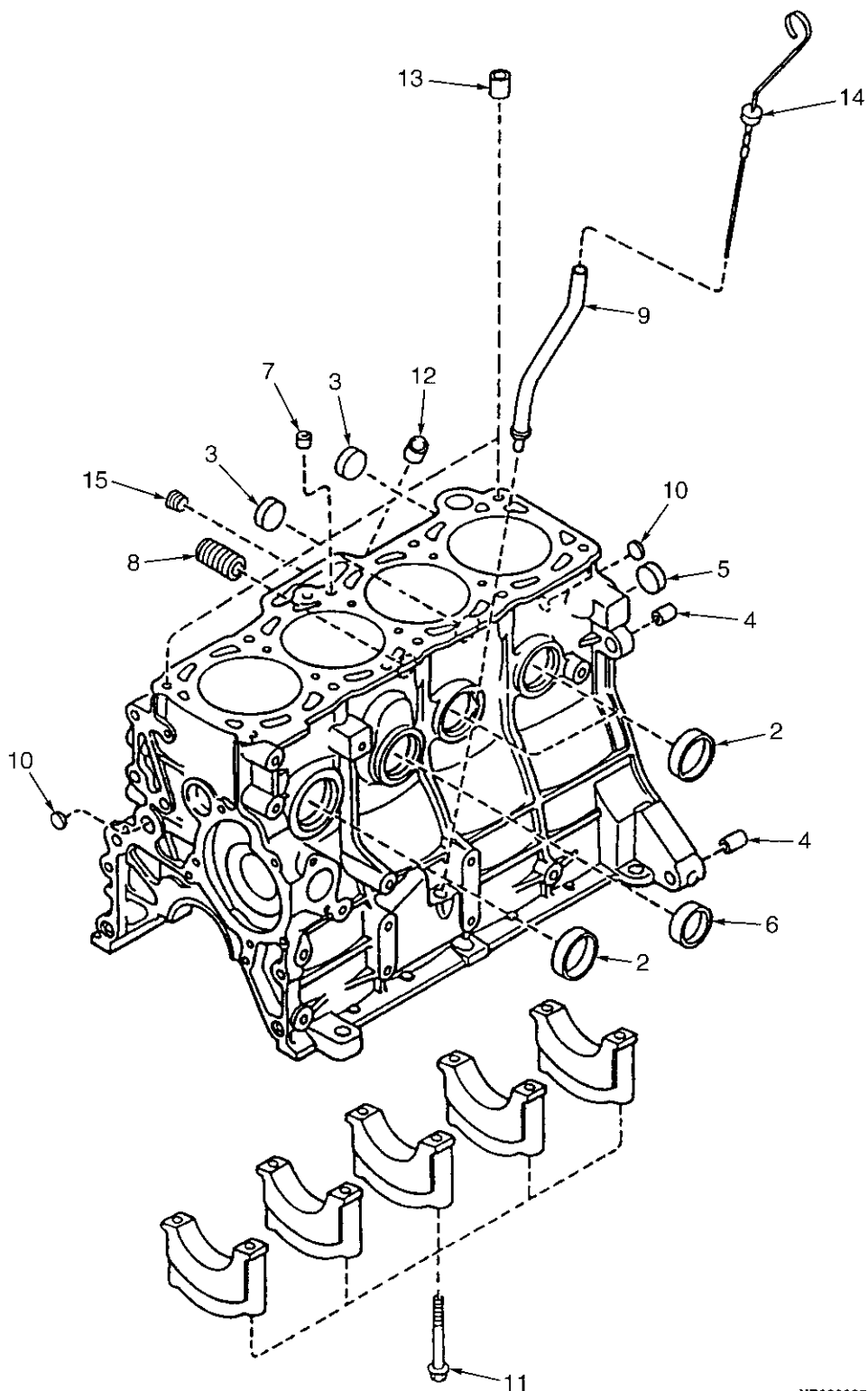


YP090370

OIL PUMP AND FILTER GASOLINE EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	1527558	Engine (Gasoline)	1
1	1455676	Oil Pump.....	1
2	1361798	Pin.....	2
3	1361688	Oil Seal	1
4	1455674	Plunger.....	1
5	326748	Spring.....	1
6	326749	Seat.....	1
7	1361879	Snap Ring	1
8	2029100	Cover.....	1
9	1455677	Screw	7
10	2029101	Gear	1
11	2029102	Gear	1
12	1495426	Plug.....	1
13	1361878	Screw	1
14	1361875	Capscrew	1
15	333642	Filter	1
16	1361807	Gasket.....	1
17	1361806	Strainer.....	1
18	1361801	O-Ring.....	1
19	1361868	Screw	1
20	1495427	Pin (Top Indicator)	1
21	2029103	Screw	2
	2045036	Gasket Kit (Includes Items 16, 18).....	1

CYLINDER BLOCK (Figure 2-30) 2.2L



YP090365

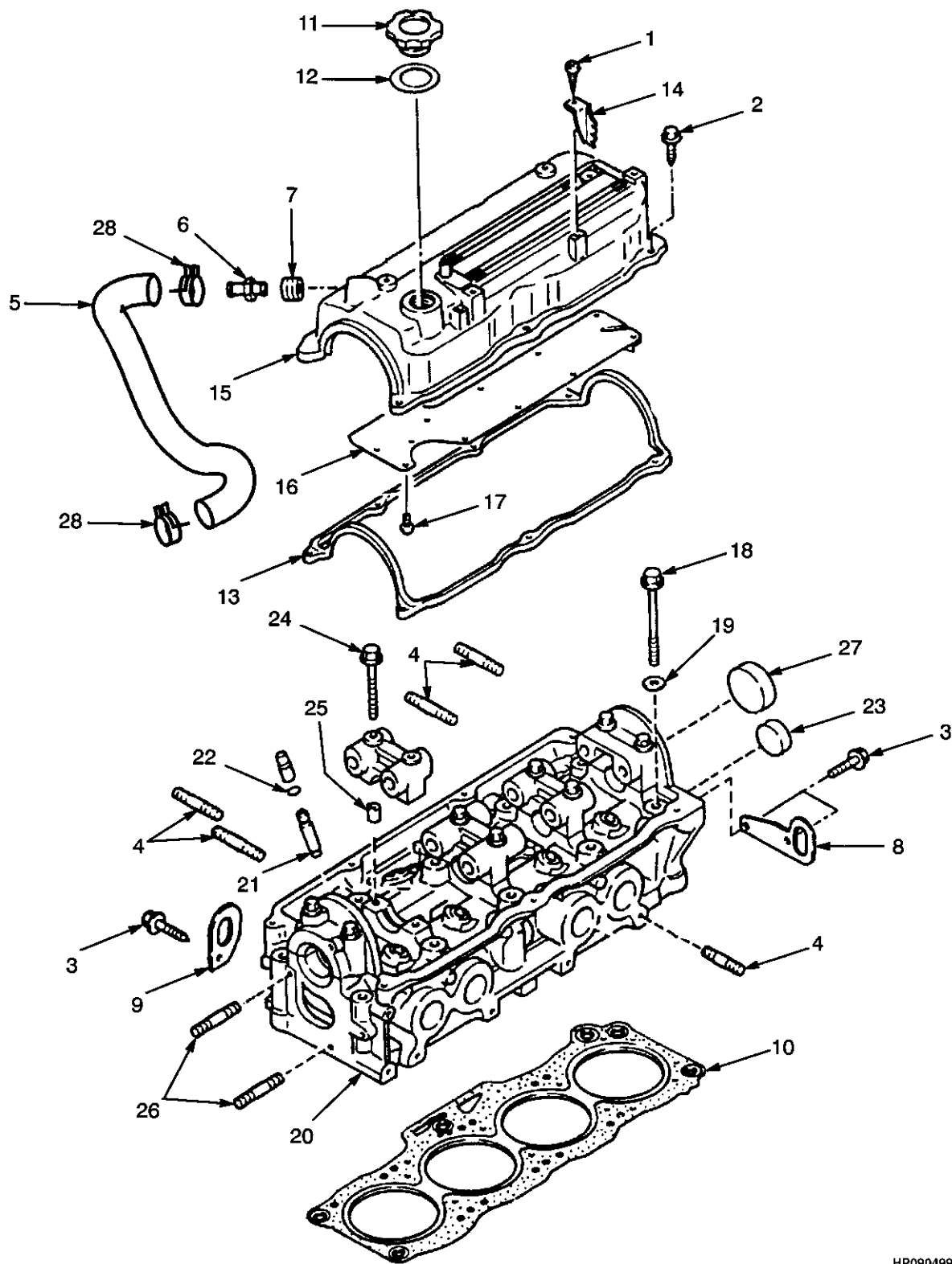
**CYLINDER BLOCK
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	b 2043864	Engine (Gasoline)	1
	1527557	Engine (Gasoline) (EPA Compliant)	1
	a 2043865	Engine (LPG) (Open Loop)	1
	c 2043866	Engine (LPG) (Closed Loop)	1
	1546829	Engine (LPG) (EPA Compliant)	1
1	1370744	Cylinder Block	1
2	1362003	Plug	4
3	1362005	Plug	2
4	1362008	Pin	2
5	1362009	Plug	1
6	1362007	Plug	2
7	2029081	Plug	1
8	1360898	Gasket	1
9	1360899	Pipe	1
10	1361675	Plug	2
11	1361676	Bolt	10
12	2028927	Plug	1
13	1360896	Pin	2
14	1361677	Dipstick	1
15	1553708	Plug	2

FOOTNOTES:

- a** S/N H177B-23394 ⇒
b S/N H177B-26413Y ⇒
c S/N H177B-26764Y ⇒

CYLINDER HEAD (Figure 2-31) 2.2L



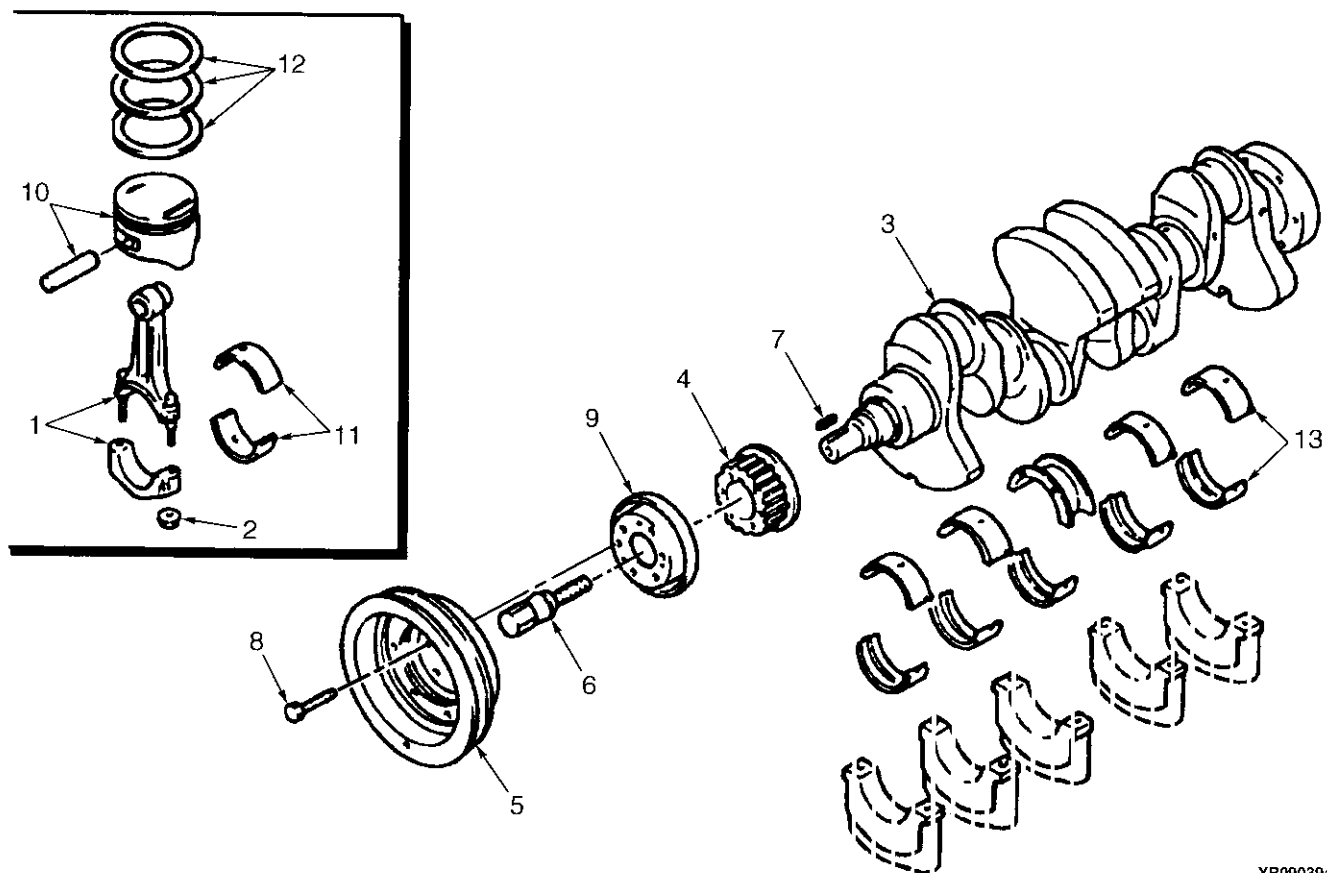
HP090499

**CYLINDER HEAD
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	d 2043864	Engine (Gasoline)	1
	1527557	Engine (Gasoline) (EPA Compliant)	1
	c 2043865	Engine (LPG) (Open Loop)	1
	e 2043866	Engine (LPG) (Closed Loop)	1
	1546829	Engine (LPG) (EPA Compliant)	1
1	1362000	Screw	1
2	1362001	Bolt	6
3	1361898	Bolt	1
4	1361897	Stud	8
5	1360894	Hose (PCV) (LPG)	1
6	1360893	Valve (PCV)	1
6	1553692	Valve (PCV) (Gas EPA Compliant)	1
7	1360892	Seal	1
8	a 1360891	Bracket (Rear)	1
8	b 2314973	Hanger (Rear)	1
9	1360890	Bracket (Front)	1
10	a 1360889	Gasket	1
10	b 2045321	Gasket	1
11	1360887	Cap	1
12	1360888	Gasket	1
13	1360886	Gasket	1
14	1360885	Bracket	2
15	1360883	Cover	1
15	1553693	Cover (Gas EPA Compliant)	1
16	1360884	Plate	1
17	a 1361896	Screw	12
17	b 2022655	Screw	12
18	1360880	Bolt	10
19	1360881	Washer	10
20	1360878	Cylinder Head	1
21	1360895	Valve Guide	8
22	1360879	Clip	1
23	1362003	Plug	1
24	1361894	Capscrew	10
25	1362002	Pin	10
26	1361899	Stud	2
27	1360882	Cap	1
28	a 1361873	Clamp	2

FOOTNOTES:**a** Gasoline**b** LPG**c** S/N H177B-23394 ⇒**d** S/N H177B-26413Y ⇒**e** S/N H177B-26764Y ⇒

CRANKSHAFT AND PISTONS (Figure 2-32) 2.2L



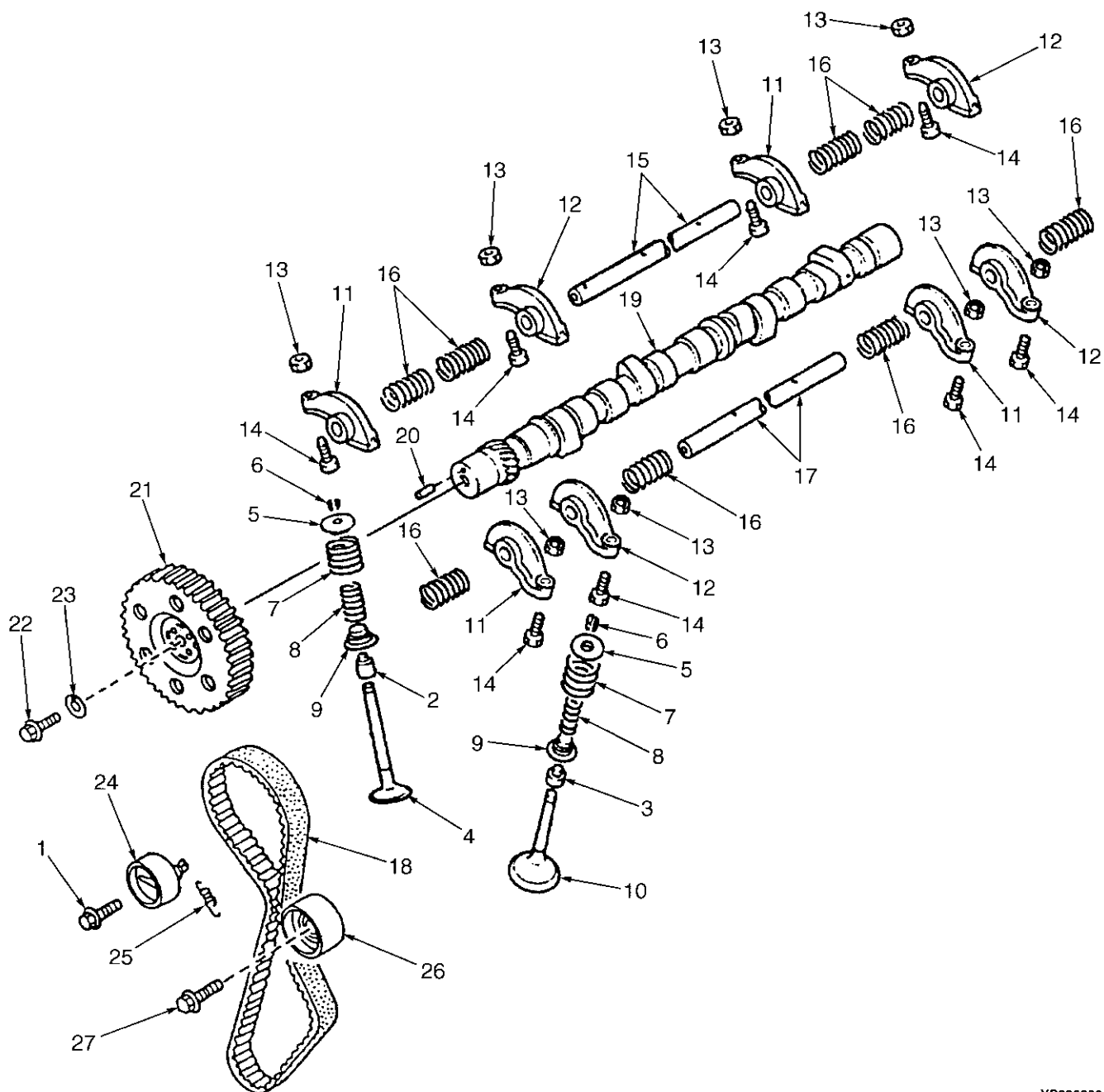
YP090394

CRANKSHAFT AND PISTONS
2.2L

ITEM	PART NO.	DESCRIPTION	QTY
1	1370746	Piston Rod	4
2	1361695	Nut.....	2
3	1361696	Crankshaft	1
4	1495472	Pulley (LPG Crankshaft)	1
4	1553722	Pulley (Gasoline EPA,Crankshaft)	1
4	2045031	Pulley (Gasoline Crankshaft)	1
5	2045030	Pulley (Gas Timing Belt)	1
5	1361698	Pulley (LPG Timing Belt)	1
6	1361701	Bolt (LPG)	1
6	2045034	Bolt (Gasoline)	1
7	1361697	Key	1
8	1361700	Bolt	6
9	1361702	Plate (LPG)	1
9	2045033	Plate (Gasoline)	1
10	1370745	Piston (Standard).....	1
10	2029093	Piston (0.25 O/S)	4
10	2029094	Piston (0.50 O/S)	4
11	1361703	Bearing Set (Standard)	1
11	1361704	Bearing Set (0.25 O/S)	1
11	1361705	Bearing Set (0.50 O/S)	1
11	1361706	Bearing Set (0.75 O/S)	1
12	a 1361707	Piston Ring Set (Standard)	1
12	a 1361709	Piston Ring Set (0.25 O/S)	1
12	a 1361708	Piston Ring Set (0.50 O/S)	1
12	b 1495473	Piston Ring (Standard)	1
12	b 1495475	Piston Ring (0.25 O/S).....	1
12	b 1495474	Piston Ring (0.50 O/S).....	1
13	1361710	Bearing Set (Standard)	1
13	1361713	Bearing Set (0.25. O/S)	1
13	1361711	Bearing Set (0.50. O/S)	1
13	1361712	Bearing Set (0.75. O/S)	1

FOOTNOTES:**a** ⇒ S/N H177B-26763Y**b** S/N H177B-26764Y ⇒

CAMSHAFT AND VALVES (Figure 2-33) 2.2L



YP090368

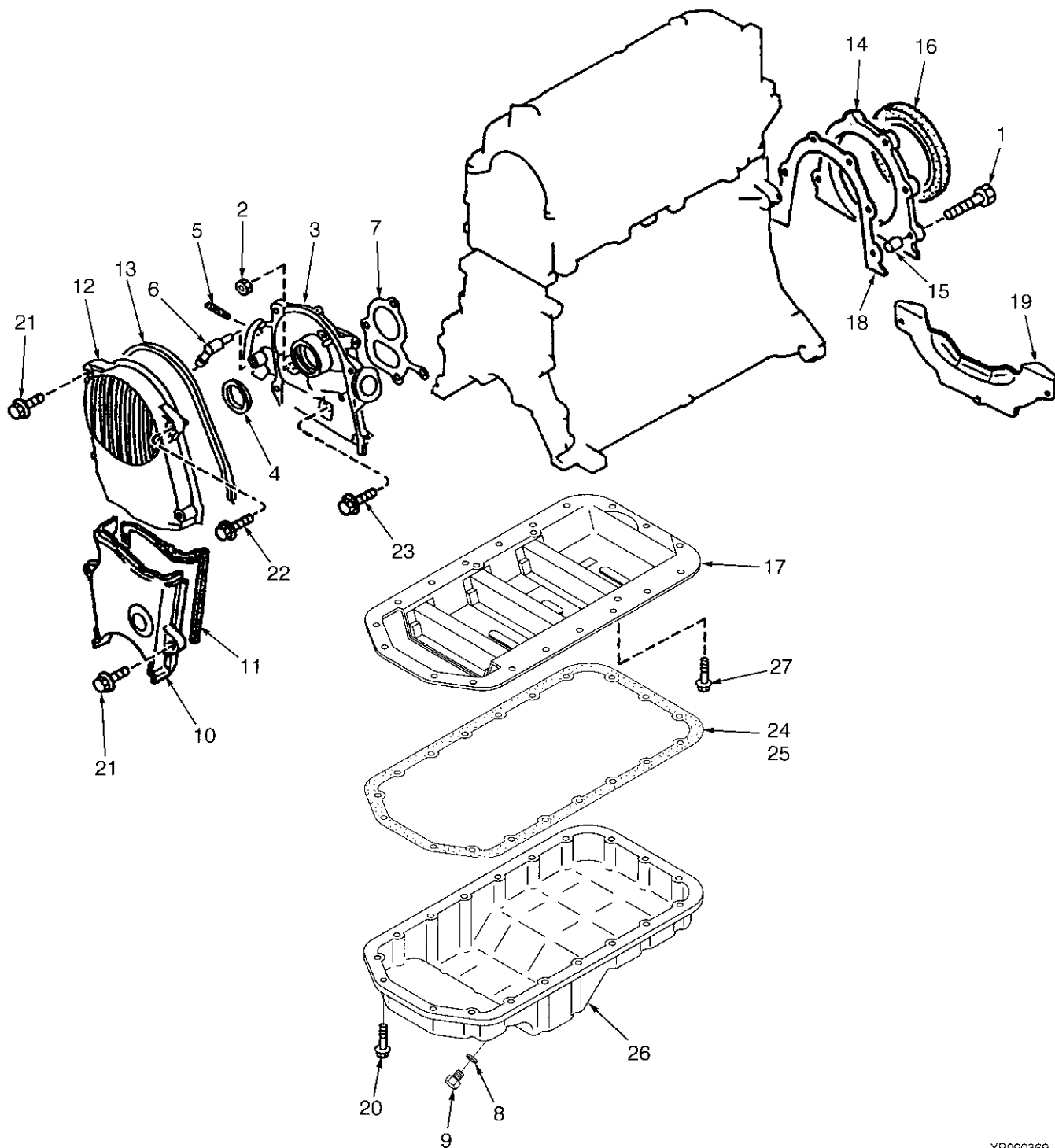
CAMSHAFT AND VALVES
2.2L

ITEM	PART NO.	DESCRIPTION	QTY
	b 2043864	Engine (Gasoline)	1
	1527557	Engine (Gasoline) (EPA Compliant)	1
	a 2043865	Engine (LPG) (Open Loop)	1
	c 2043866	Engine (LPG) (Closed Loop)	1
	1546829	Engine (LPG) (EPA Compliant)	1
1	1362016	Bolt	1
2	1361718	Seal (Inlet)	4
3	1361719	Seal (Exhaust)	4
4	1361720	Valve (Intake)	4
5	1361721	Valve Seat	8
6	326612	Retainer	16
7	1361722	Spring	8
8	1361723	Spring	8
9	1361724	Seat	8
10	1361725	Valve (Exhaust)	4
11	1361726	Rocker Arm	4
12	1361727	Screw	8
13	1361728	Nut	8
14	1361729	Rocker Arm	4
15	1361730	Shaft	1
16	1361731	Spring	8
17	1361732	Shaft	1
18	2028852	Timing Belt	1
19	1361734	Camshaft	1
20	1361717	Pin	1
21	2029095	Pulley	1
22	1361736	Bolt	1
23	1361737	Washer	1
24	2029097	Belt Tensioner	1
25	2029096	Spring	1
26	2029098	Idler	1
27	1361884	Bolt	1

FOOTNOTES:

- a** S/N H177B-23394 ⇒
b S/N H177B-26413Y ⇒
c S/N H177B-26764Y ⇒

TIMING GEAR COVER AND OIL PAN (Figure 2-34) 2.2L



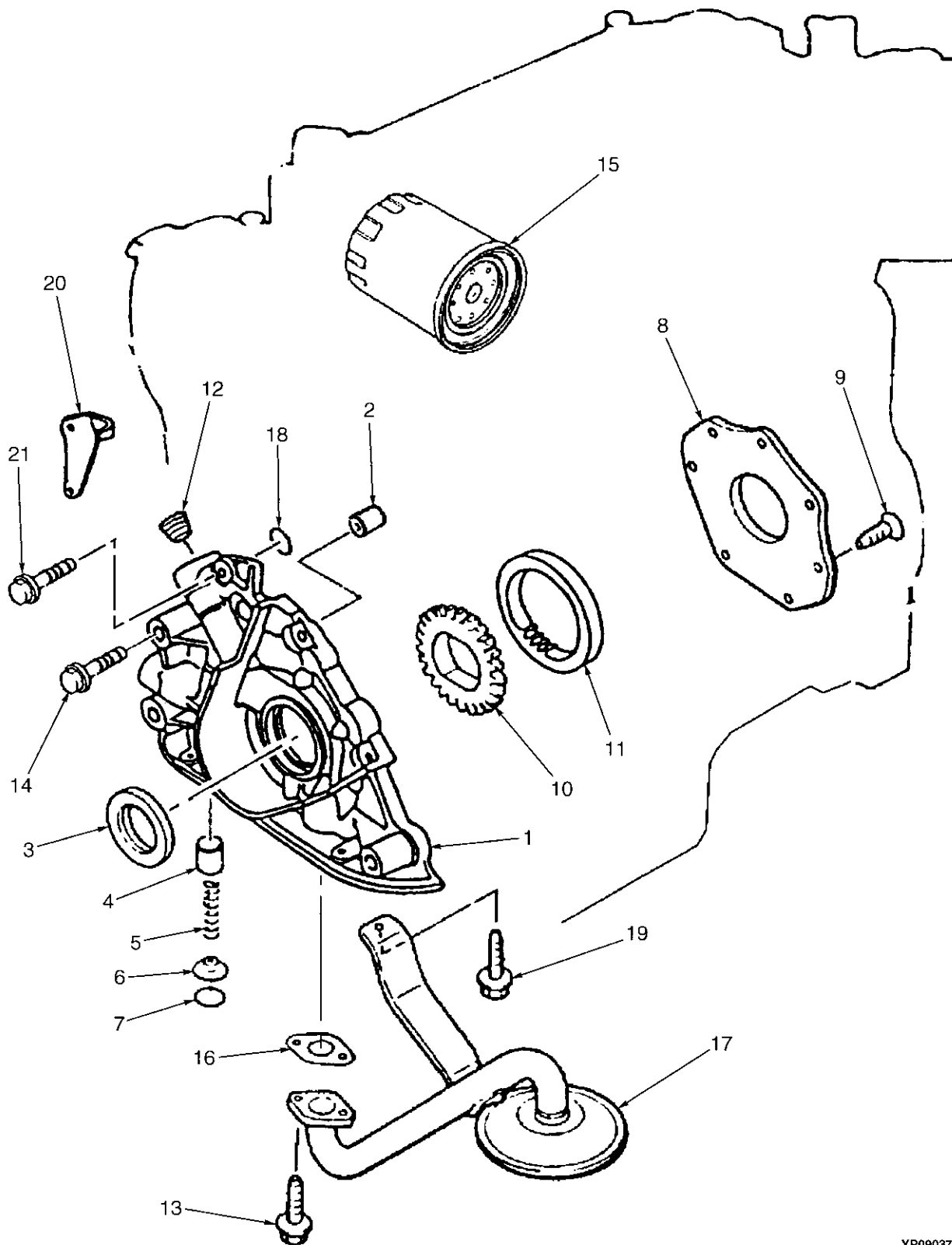
YP090369

**TIMING GEAR COVER AND OIL PAN
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1362011	Bolt	6
2	326504	Nut	1
3	a 2029087	Housing	1
3	b 2051129	Housing	1
4	1361688	Oil Seal.....	1
5	1362012	Stud.....	1
6	1361692	Connector.....	1
7	1361679	Gasket	1
8	1362015	Gasket	1
9	1361681	Drain Plug.....	1
10	2051128	Cover	1
11	2028853	Gasket.....	1
12	2029084	Cover	1
13	2028854	Gasket.....	1
14	1361689	Cover (Rear)	1
15	1362010	Pin	2
16	1361691	Oil Seal (Rear).....	1
17	b 2029085	Plate	1
18	1361690	Gasket	1
19	1371652	Cover	1
20	1370736	Capscrew.....	19
21	a 1361898	Bolt	5
21	b 1362001	Bolt	5
22	2029086	Bolt	1
23	a 1361881	Bolt	2
23	b 1361875	Capscrew.....	2
23	a 1369993	Bolt (EPA Compliant)	1
24	1370737	Sealant	1
25	1361682	Gasket (Oil Pan)	1
26	2029082	Pan	1
27	1361868	Screw.....	2
	2045036	Gasket Kit (Includes Items 4, 7, 11, 13-14, 16, 24-25)	1

FOOTNOTES:**a** Gasoline**b** LPG

OIL PUMP AND FILTER (Figure 2-35) 2.2L



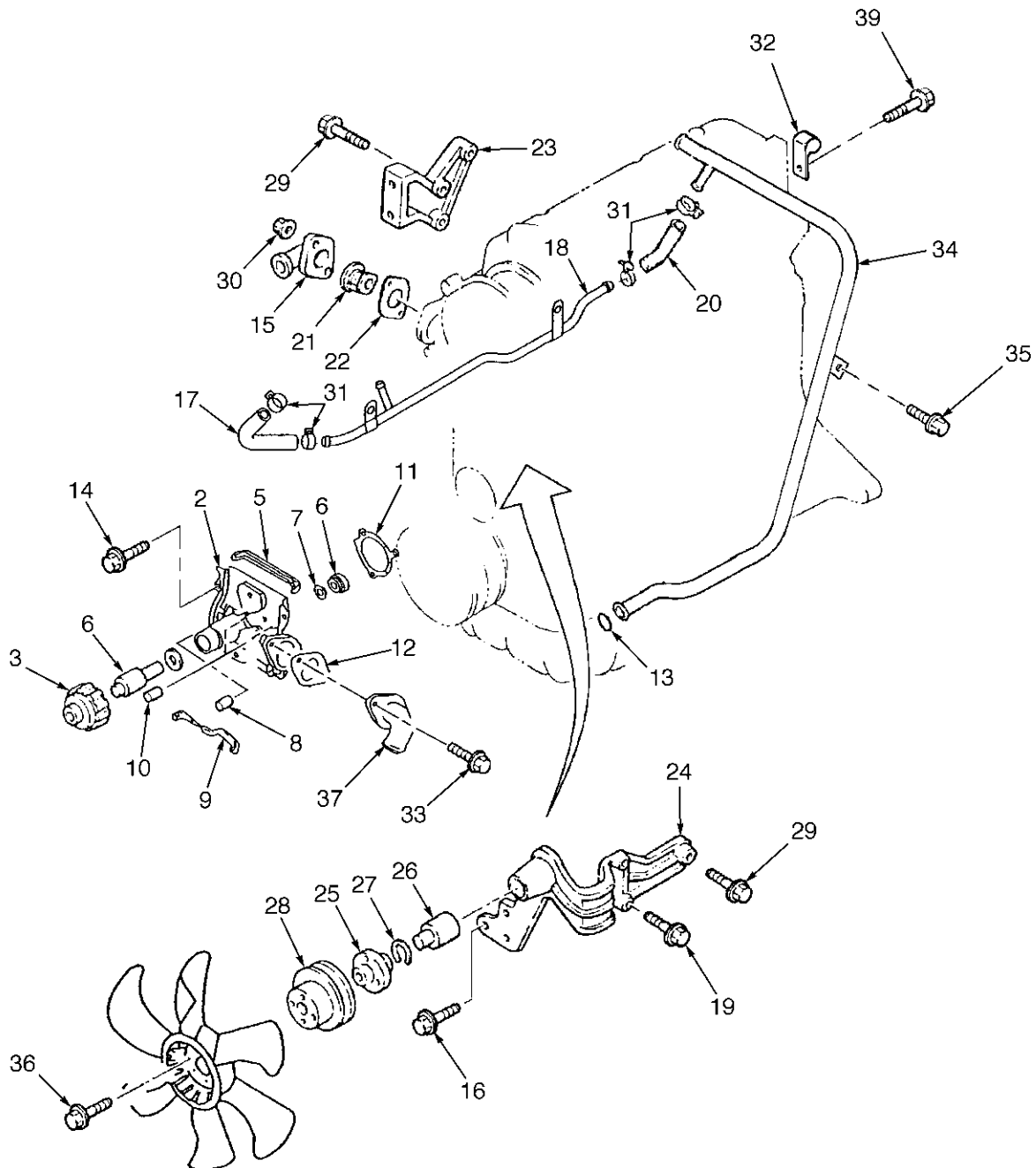
YP090370

**OIL PUMP AND FILTER
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1455676	Oil Pump	1
2	1361798	Pin	2
3	1361688	Oil Seal	1
4	a 326747	Plunger	1
4	b 1455674	Plunger	1
5	326748	Spring	1
6	326749	Seat	1
7	1361879	Snap Ring	1
8	2029100	Cover	1
9	a 1361803	Screw	7
9	b 1455677	Screw	7
10	2029101	Gear	1
11	2029102	Gear	1
12	1495426	Plug	1
13	1361878	Screw	1
14	1361875	Capscrew	1
15	333642	Filter	1
16	1361807	Gasket	1
17	1361806	Strainer (LPG)	1
17	2029104	Strainer (Gas EPA Compliant)	1
18	1361801	O-Ring	1
19	1361868	Screw	1
20	1495427	Pin (Top Indicator)	1
21	1369914	Bolt	2
	2045036	Gasket Kit (Includes Items 16, 18)	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒

WATER PUMP (Figure 2-36) GASOLINE AND LPG 2.0L



BP060013

WATER PUMP GASOLINE AND LPG 2.0L

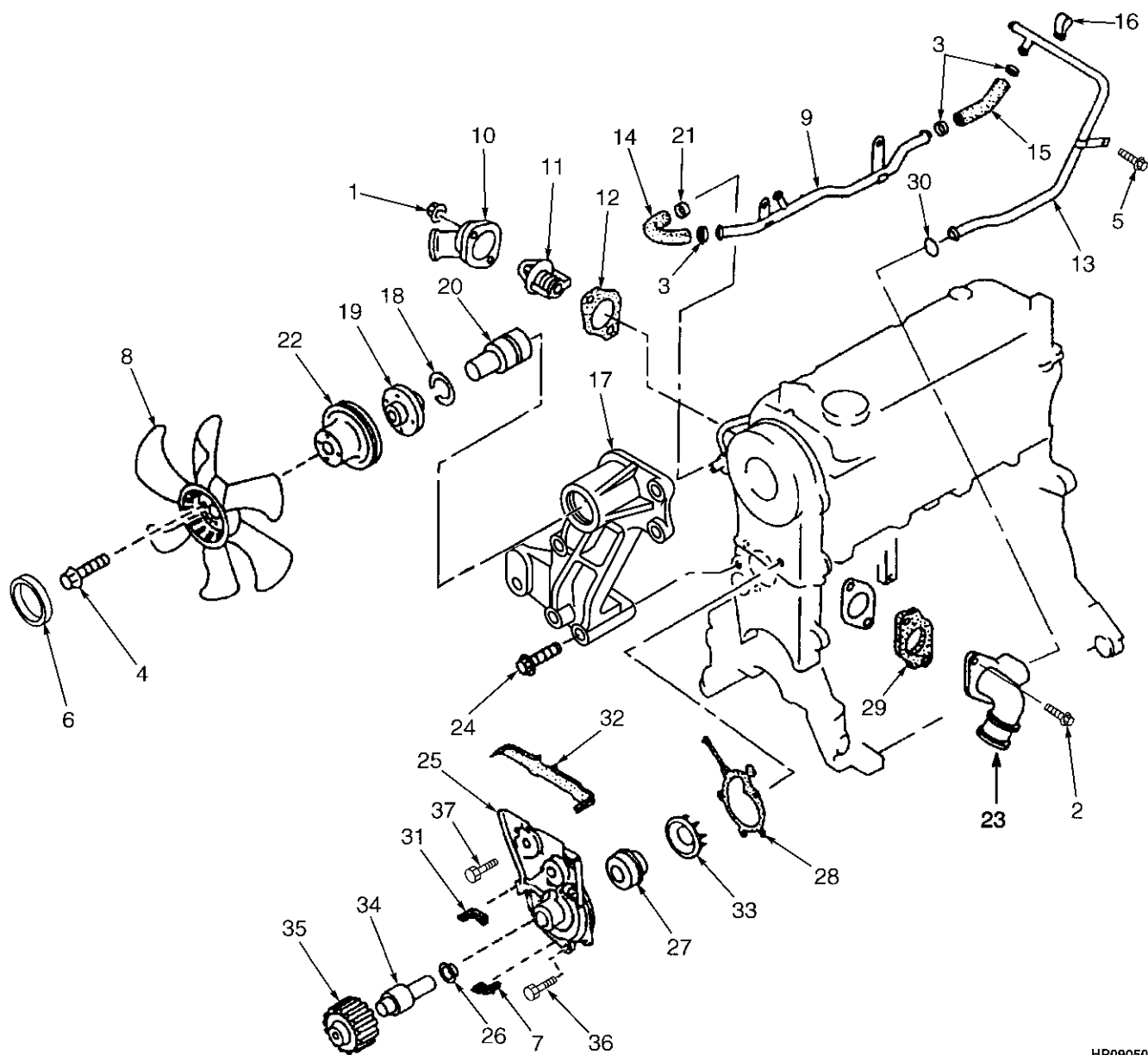
ITEM	PART NO.	DESCRIPTION	QTY
1	1361817	Fan.....	1
2	1361811	Pump	1
3	1361816	Pulley.....	1
4	1361815	Plate	1
5	1361810	Seal	1
6		Shaft and Impeller	1
7	1361814	Seal	1
8	1361880	Stud	1
9	1361809	Seal	1
10	1361834	Pin	1
11	1361818	Pipe	1
12	1361819	Gasket	1
13	a 1370710	Thermostat	1
13	b 1495428	Thermostat	1
14	1367191	Gasket	1
15	1361821	Cover	1
16	1370720	Capscrew.....	2
17	1361825	Hose	1
18	1361823	Pipe	1
19	1361884	Bolt	3
20	1361824	Hose	2
21	1361827	O-Ring	1
22	1361828	Pipe	1
23	1361829	Bracket.....	1
24	1361830	Bracket.....	1
25	1361813	Hub.....	1
26	1361832	Shaft.....	1
27	1361835	Lock Ring	1
28	1384006	Pulley	1
29	a 1369999	Bolt	3
29	b 1361882	Bolt	3
30	326504	Nut	3
31	1361873	Clamp	3
32	1361826	Clip	1
33	1361881	Bolt	2
34	a 1369999	Bolt	1
34	b 1361885	Bolt	1
35	1361882	Bolt	1
36	1361878	Screw.....	4
37	1361812	Gasket	1
	1367190	Gasket Set (Includes Items 5, 9, 12, 14, 19, 21)	1

FOOTNOTES:

a ⇒ S/N H177B-23393

b S/N H177B-23394 ⇒

WATER PUMP (Figure 2-37) LPG 2.2L



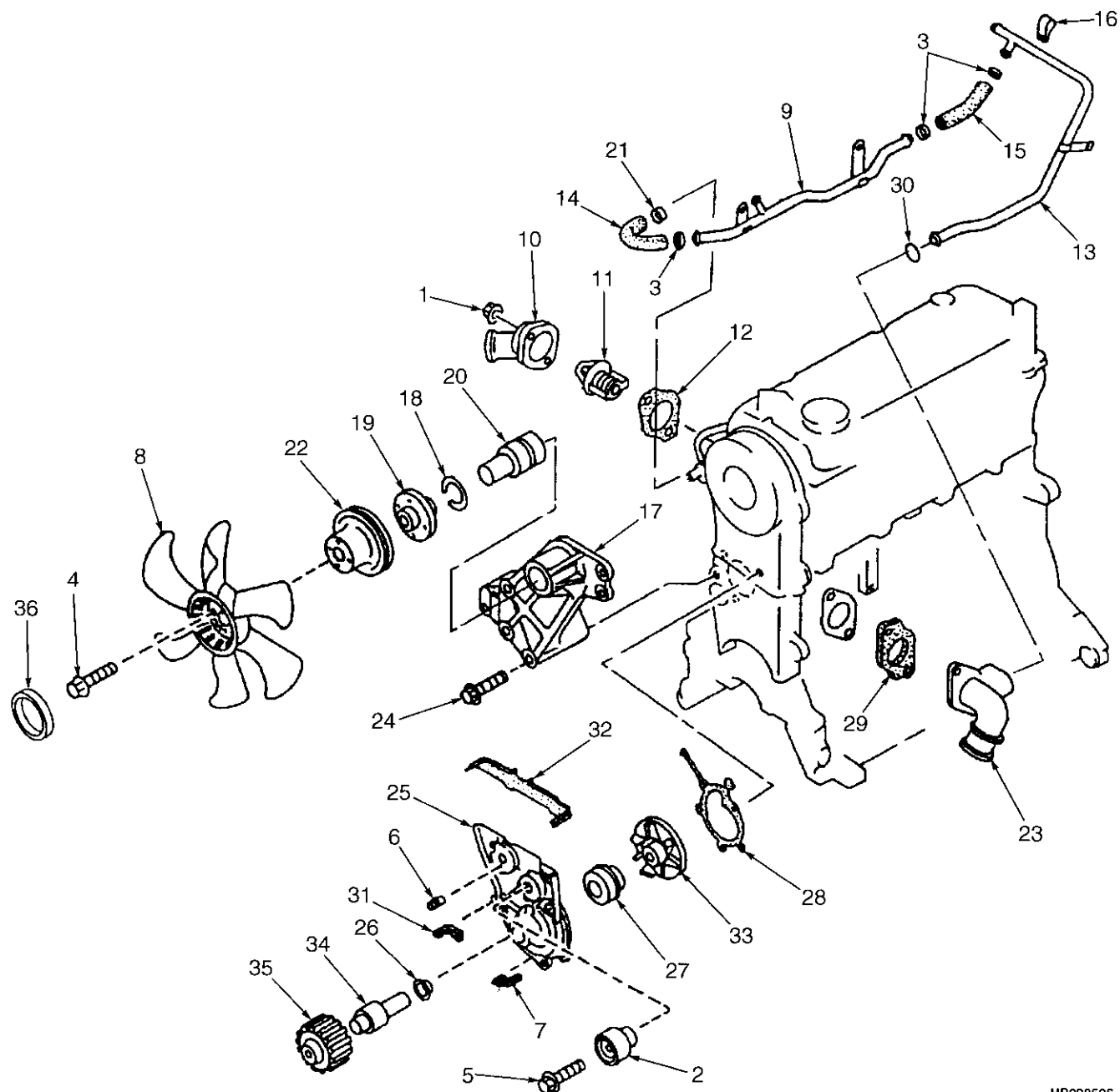
HP090507

**WATER PUMP
LPG 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2043865	Engine (LPG) (Open Loop).....	1
	b 2043866	Engine (LPG) (Closed Loop)	1
	1546829	Engine (LPG) (EPA Compliant).....	1
1	326504	Nut	2
2	1361875	Capscrew.....	2
3	1361873	Clamp	3
4	1362011	Bolt	1
5	2022309	Bolt	1
6	1377138	Spacer	1
7	2029106	Seal	1
8	1361817	Fan.....	1
9	1361823	Pipe	1
10	1361821	Cover	1
11	1495428	Thermostat	1
12	1367191	Gasket.....	1
13	2045024	Pipe	1
14	1361825	Hose	1
15	2029108	Hose	1
16	1361826	Clip	1
17	2029114	Bracket.....	1
18	2045025	Clip	1
19	2029115	Hub.....	1
20	2029116	Shaft.....	1
21	1495429	Clamp	1
22	2045318	Pulley.....	1
23	2029112	Pipe	1
24	2045026	Screw.....	3
25	2028644	Pump Assembly.....	1
26	2045319	Baffle	1
27	1351814	Block.....	1
28	2028645	Gasket.....	1
29	2029120	Gasket.....	1
30	1361827	O-Ring.....	1
31	2029105	Seal	1
32	2029107	Seal	1
33		Impeller.....	1
34		Shaft.....	1
35		Pulley.....	1
36	1369914	Bolt	5
37	326608	Bolt	1
	2045036	Gasket Kit (Includes Items 7, 12, 28-32)	1

FOOTNOTES:**a** S/N H177B-23394 ⇒**b** S/N H177B-26764Y ⇒

WATER PUMP (Figure 2-38) GASOLINE 2.2L



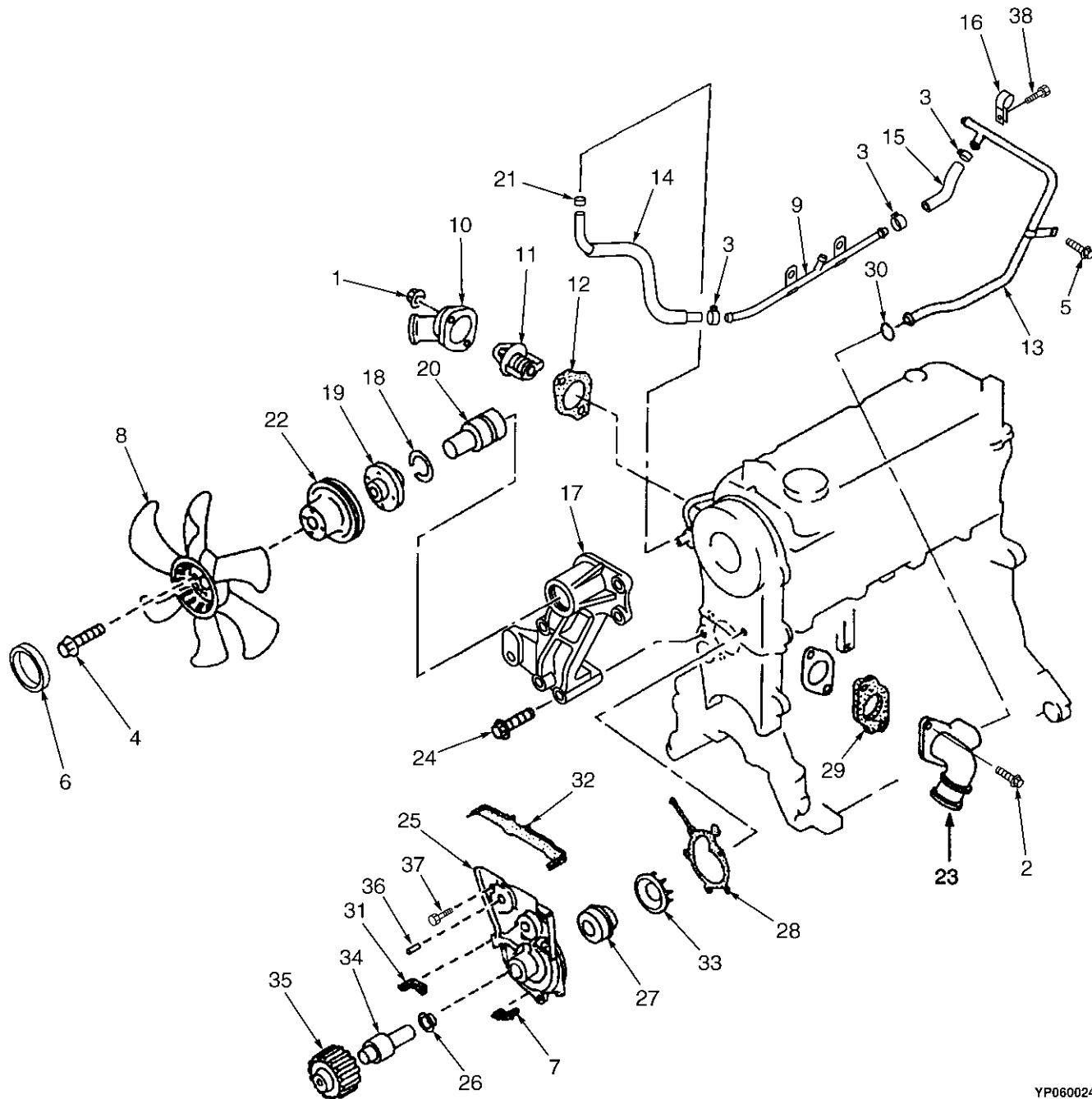
HP090506

**WATER PUMP
GASOLINE 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2043864	Engine (Gasoline)	1
1	326504	Nut	3
2	2029098	Idler	1
3	1361873	Clamp	3
4	2045023	Screw	1
5	1361884	Bolt	2
6	1361880	Stud	1
7	2029106	Seal	1
8	1361817	Fan	1
9	2029111	Pipe	1
10	1361821	Cover	1
11	1361820	Thermostat	1
12	1367191	Gasket	1
13	2045024	Pipe	1
14	3065672	Hose	1
15	2029108	Hose	1
16	1361826	Clip	1
17	2029114	Bracket	1
18	2045025	Clip	1
19	2029115	Hub	1
20	2029116	Shaft	1
21	1361833	Clamp	1
22	1384007	Pulley	1
23	2029112	Pipe	1
24	2045026	Screw	3
25	2028644	Pump Assembly	1
26	2045319	Baffle	1
27	1351814	Block	1
28	2028645	Gasket	1
29	2029120	Gasket	1
30	1361827	O-Ring	1
31	2029105	Seal	1
32	2029107	Seal	1
33		Impeller	1
34		Shaft	1
35	1361816	Pulley	1
36	1377138	Spacer	1
	2045036	Gasket Kit (Includes Items 7, 12, 28-32)	1

FOOTNOTES:**a** S/N H177B-26413Y ⇒

WATER PUMP (Figure 2-39)
GASOLINE
EPA COMPLIANT 2.0L AND 2.2L

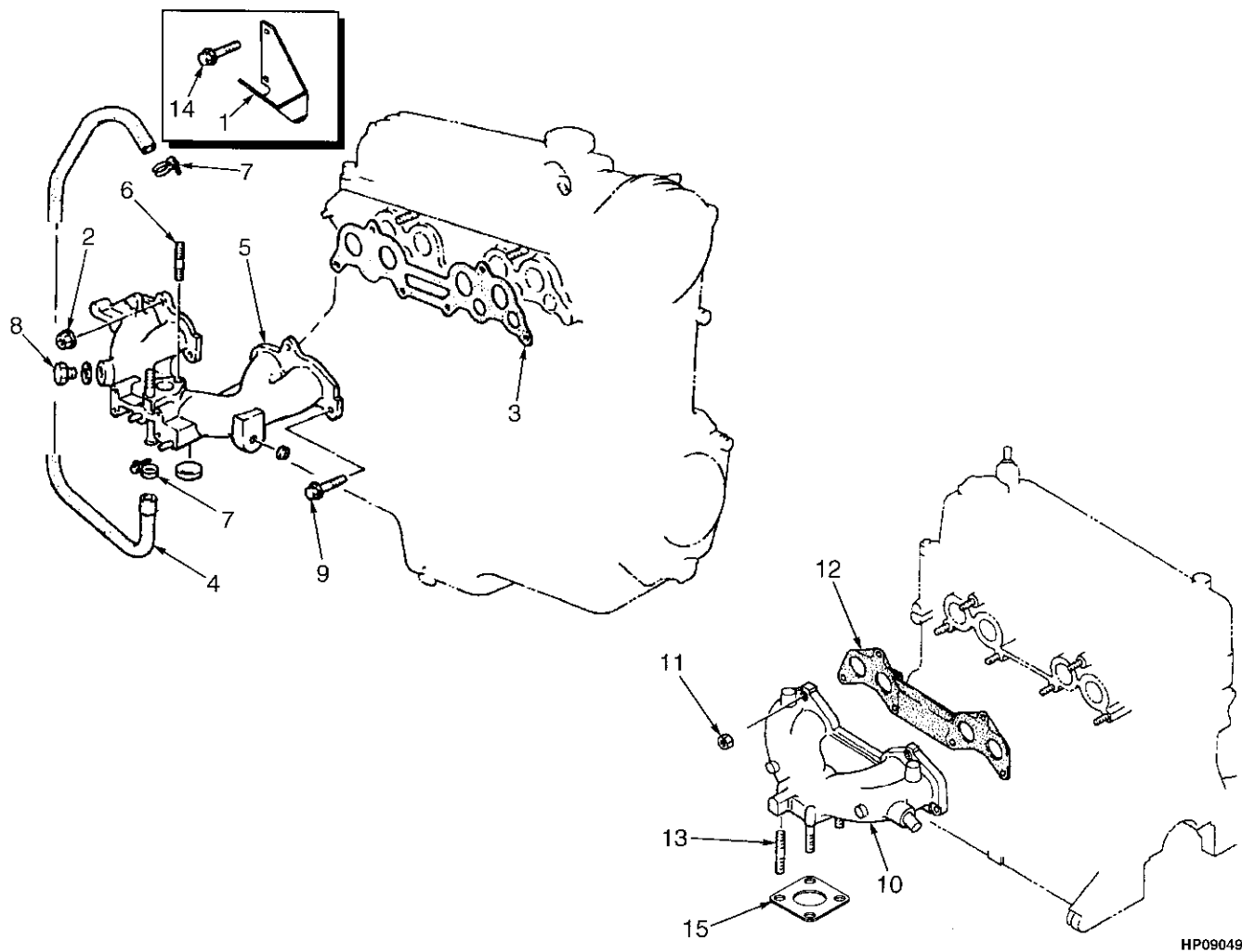


YP060024

WATER PUMP GASOLINE EPA COMPLIANT 2.0L AND 2.2L

ITEM	PART NO.	DESCRIPTION	QTY
1	326504	Nut	2
2	1361875	Capscrew.....	2
3	1361873	Clamp	2
4	1362011	Bolt	1
5	2022309	Bolt	1
6	1553944	Spacer	1
7	2029106	Seal	1
8	1361817	Fan.....	1
9	1553945	Pipe (Water Bypass)	1
10	1361821	Cover	1
11	1495428	Thermostat	1
12	1367191	Gasket	1
13	1553943	Pipe	1
14	1553946	Hose Assembly.....	1
14	1553947	Hose	1
14	1553948	Protector.....	1
15	2029108	Hose	1
16	1361826	Clip	1
17	2029114	Bracket.....	1
18	2045025	Clip	1
19	1361813	Hub.....	1
20	2029116	Shaft.....	1
21	1495429	Clamp	1
22	1384007	Pulley.....	1
23	2029112	Pipe (Inlet)	1
24	2045026	Screw.....	3
25	2028644	Pump Assembly.....	1
26	2045319	Baffle	1
27	1361814	Seal	1
28	2028645	Gasket	1
29	2029120	Gasket	1
30	1361827	O-Ring.....	1
31	2029105	Seal	1
32	2029107	Seal	1
33		Impeller.....	1
34		Shaft.....	1
35		Pulley.....	1
36	1361880	Stud	1
37	326608	Bolt	2
38	1361898	Bolt	1
	2028644	Pump Assembly (Includes Items 7, 25-35)	1
	2045036	Gasket Kit (Includes Items 7, 12, 25, 28-30, 32)	1

MANIFOLD (Figure 2-40) GASOLINE AND LPG 2.0L



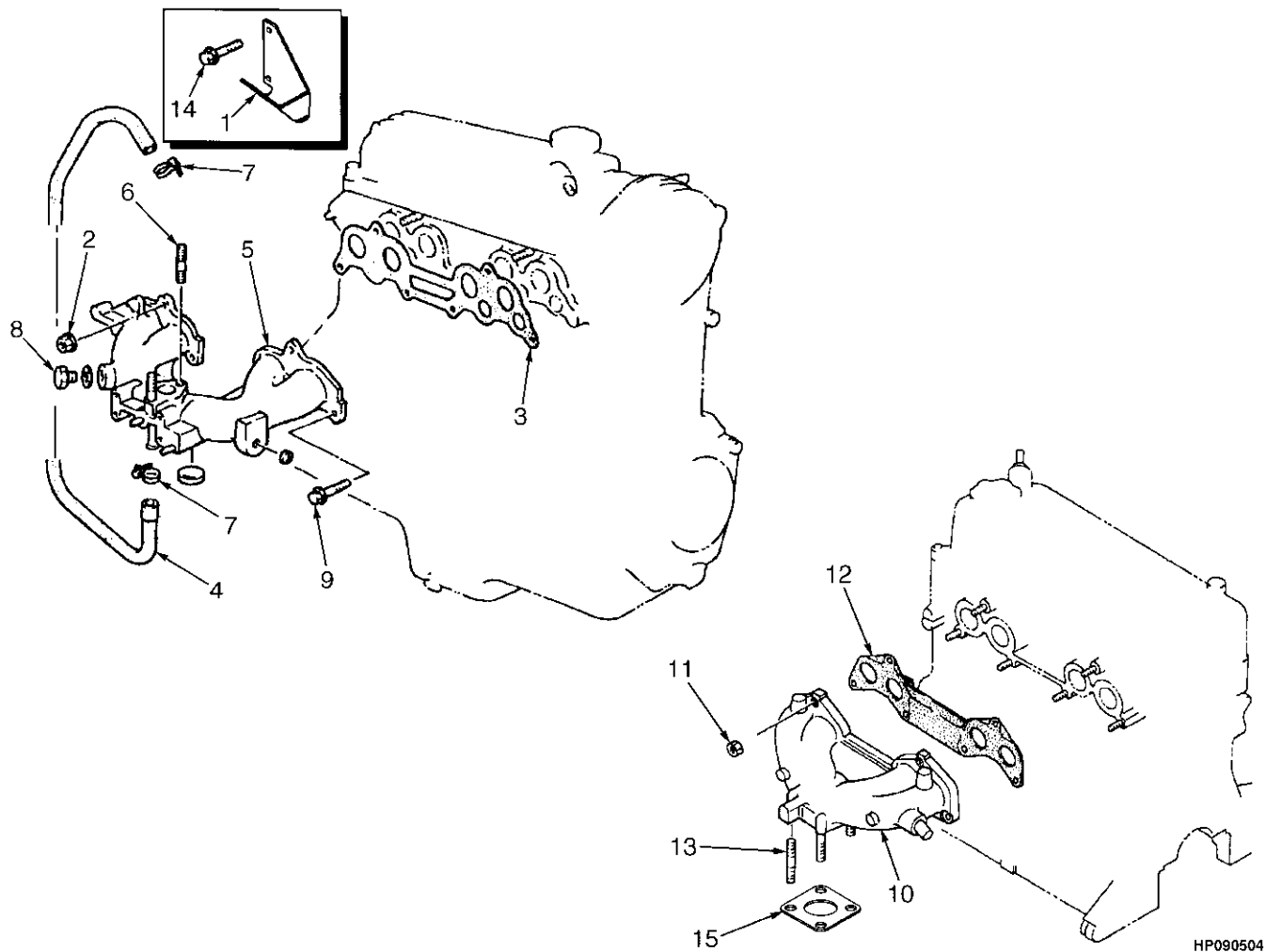
HP090490

MANIFOLD GASOLINE AND LPG 2.0L

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	b 1469382	Engine (LPG) (Open Loop)	1
	c 1486698	Engine (LPG) (LPG) (Closed Loop)	1
1	1361743	Bracket (Gasoline)	1
1	a 1376620	Bracket (LPG)	1
1	b 1490806	Bracket (LPG)	1
1	c 1495499	Bracket (LPG)	1
2	326504	Nut	4
3	1361742	Gasket	1
4	1361791	Hose (Gasoline)	1
5	a 1361740	Manifold (Intake)	1
5	b 2045027	Manifold (Intake)	1
6	a 1362017	Stud	2
6	b 2045028	Stud	2
7	1361873	Clamp	3
8	1361741	Cap	1
9	1361885	Bolt	4
10	1361744	Manifold (Exhaust)	1
11	1361746	Nut	6
12	1361747	Gasket	1
13	1361745	Stud	4
14	1361898	Bolt	2
15	b 1338308	Gasket	1

FOOTNOTES:**a** ⇒ S/N H177B-23393**b** S/N H177B-23394 ⇒**c** S/N H177B-26764Y ⇒

MANIFOLDS (Figure 2-41) 2.2L



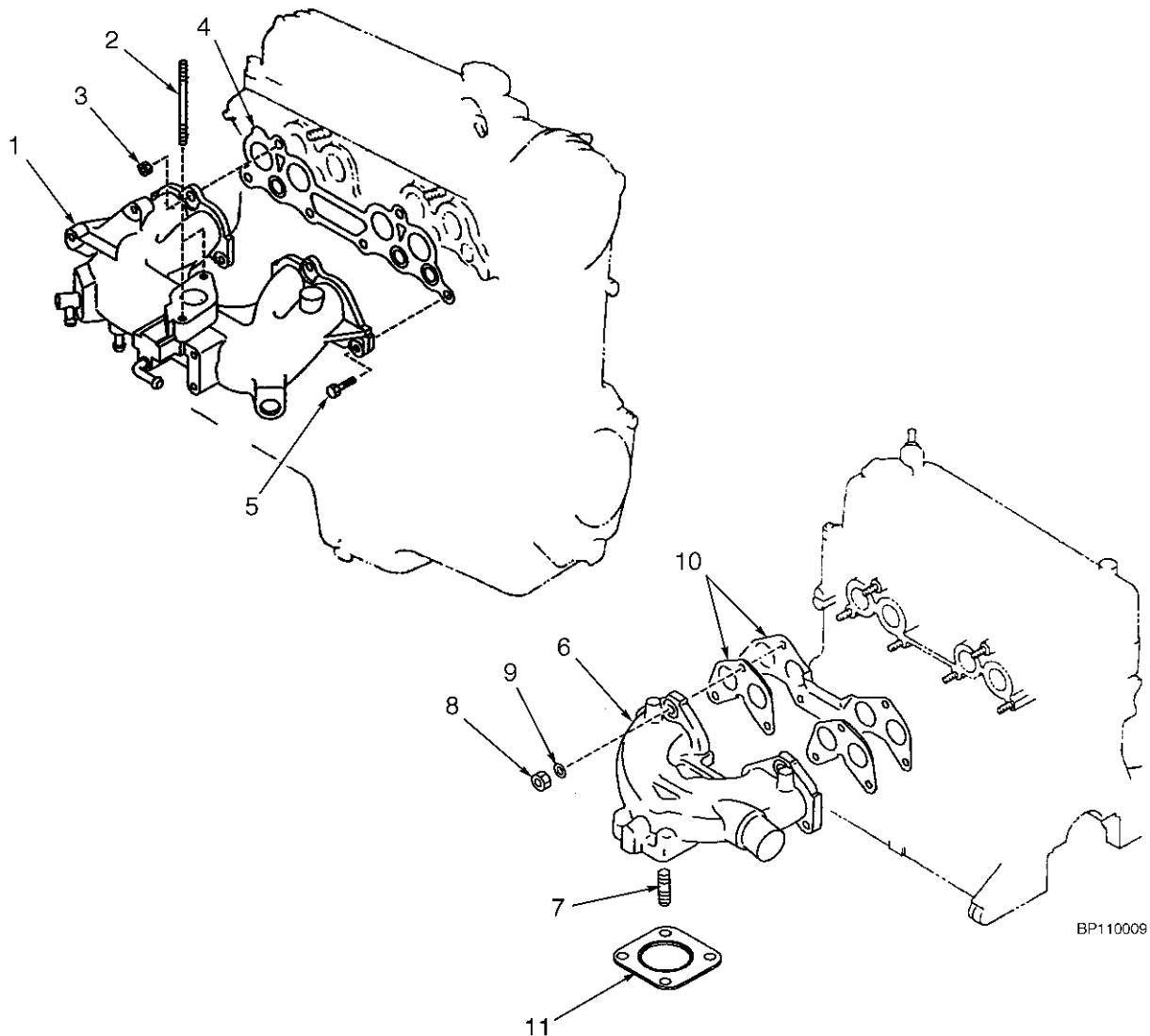
MANIFOLDS
2.2L

ITEM	PART NO.	DESCRIPTION	QTY
	c 2043864	Engine (Gasoline)	1
	b 2043865	Engine (LPG) (Open Loop)	1
	d 2043866	Engine (LPG) (Closed Loop)	1
1	a 1361743	Bracket (LPG)	1
1	b 1490806	Bracket (LPG) (Open Loop)	1
1	c 1495499	Bracket (LPG) (Closed Loop)	1
2	326504	Nut	4
3	1361742	Gasket	1
4	1361791	Hose (Gasoline)	1
5	a 1361740	Manifold (Intake)	1
5	b 2045027	Manifold (Intake)	1
6	2045028	Stud	2
7	1361873	Clamp	3
8	1361741	Cap	1
9	1361885	Bolt	4
10	1361744	Manifold (Exhaust)	1
11	1361746	Nut	6
12	1361747	Gasket	1
13	1361745	Stud	4
14	1361898	Bolt	2
15	1338308	Gasket	1
	1367190	Gasket Set (Includes Item 4)	1

FOOTNOTES:

- a** ⇒ S/N H177B-23393
b S/N H177B-23394 ⇒
c S/N H177B-26413Y ⇒
d S/N H177B-26764Y ⇒

MANIFOLDS (Figure 2-42) LPG 2.0L AND 2.2L EPA COMPLIANT



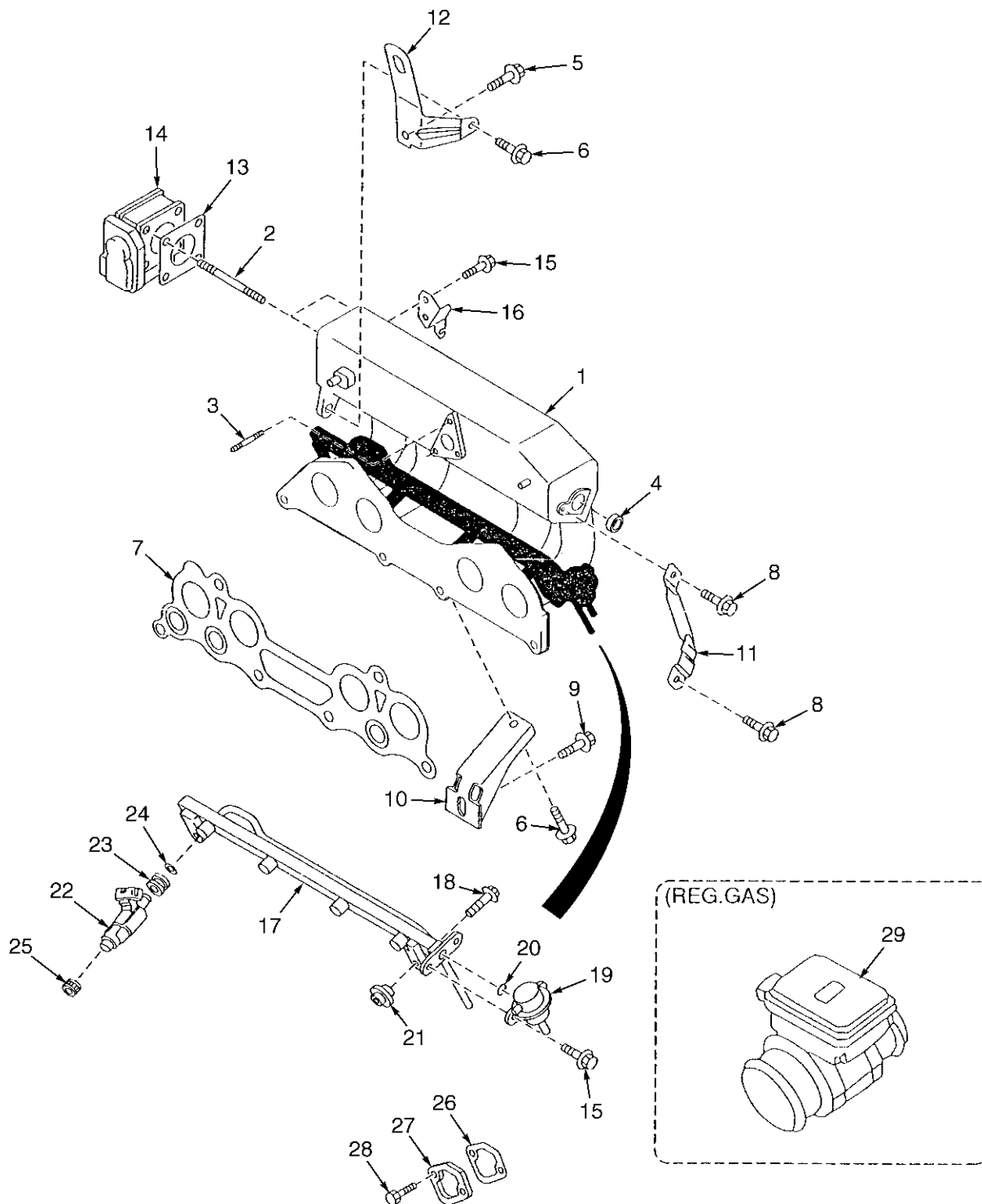
**MANIFOLDS
LPG 2.0L AND 2.2L
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1553766	Manifold (Inlet)	1
2	2045028	Stud	2
3	326504	Nut	4
4	1361742	Gasket	1
5	1369999	Bolt	2
6	1361744	Manifold (Exhaust)	1
7	1361745	Stud	4
8	1370690	Washer	6
9	1361746	Nut	6
10	1361747	Gasket	1
11	1338308	Gasket	1

INLET MANIFOLD AND FUEL SYSTEM (Figure 2-43)

GASOLINE 2.0L AND 2.2L

EPA COMPLIANT



BP110008

INLET MANIFOLD AND FUEL SYSTEM

GASOLINE 2.0L AND 2.2L

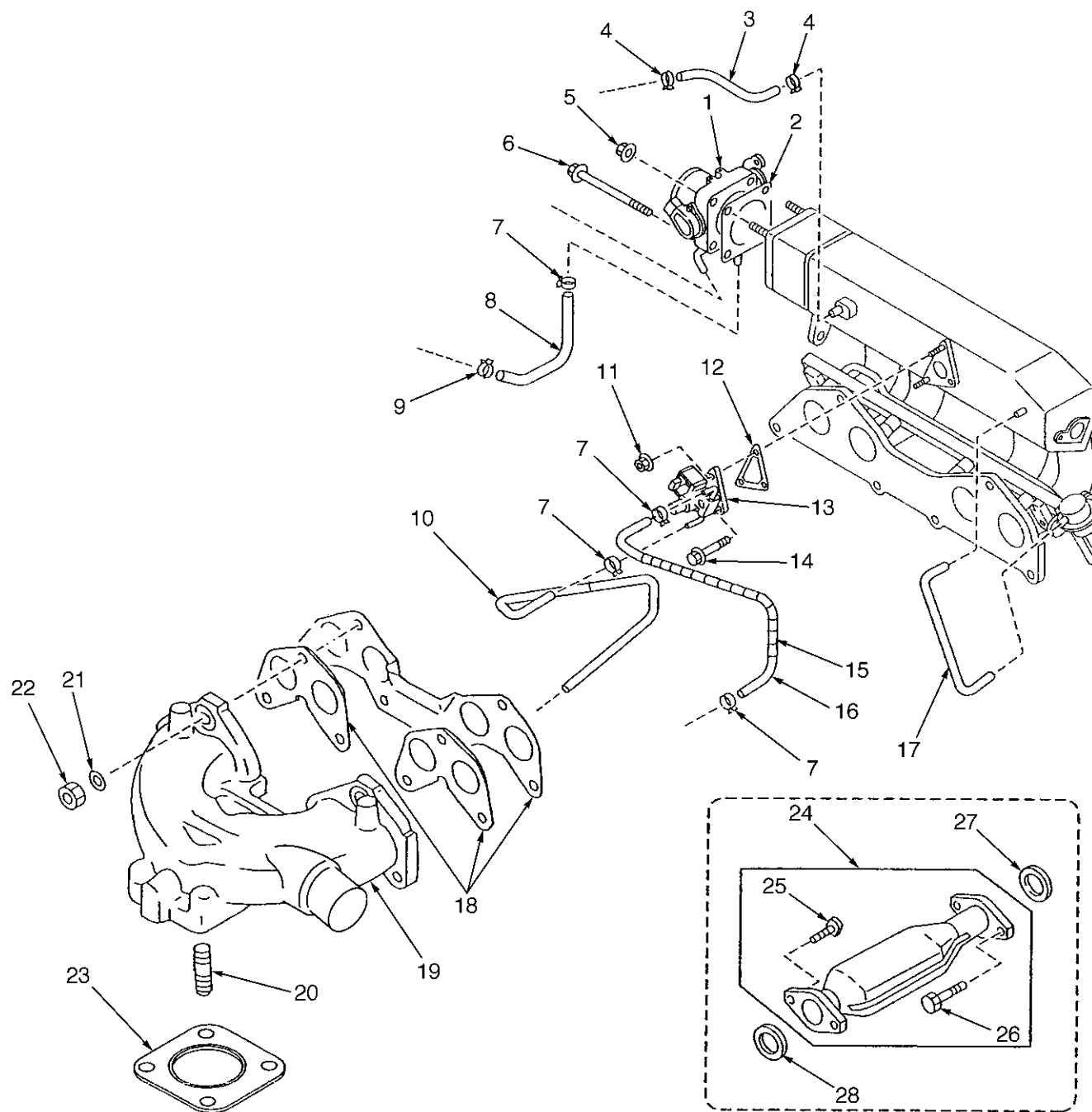
EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1553775	Intake Manifold	1
2	1553773	Stud	2
3	1553774	Stud	2
4	1362005	Plug	1
5	1361881	Bolt	1
6	1366910	Bolt	2
7	1553776	Gasket	1
8	1366874	Bolt	2
9	1370675	Bolt	1
10	1553777	Bracket.....	1
11	1553778	Bracket.....	1
12	1553779	Bracket.....	1
13	1553832	Gasket	1
14	1553838	Governor.....	1
15	1368805	Bolt	2
16	1553787	Bracket (Throttle)	1
17	1553831	Fuel Distributor	1
18	1553839	Bolt	2
19	1553840	Pressure Regulator.....	1
20	1553841	O-ring	1
21	1553830	Insulator.....	2
22	1553833	Fuel Injector	1
23	1553834	Grommet	1
24	1553835	O-Ring	1
25	1553837	Insulator.....	4
26	1361756	Gasket	1
27	1361749	Cover	1
28	1553800	Bolt	2
29	1553842	Sensor (Air Flow)	1

EMISSION CONTROL AND EXHAUST SYSTEM (Figure 2-44)

GASOLINE 2.0L AND 2.2L

EPA COMPLIANT



YP090217

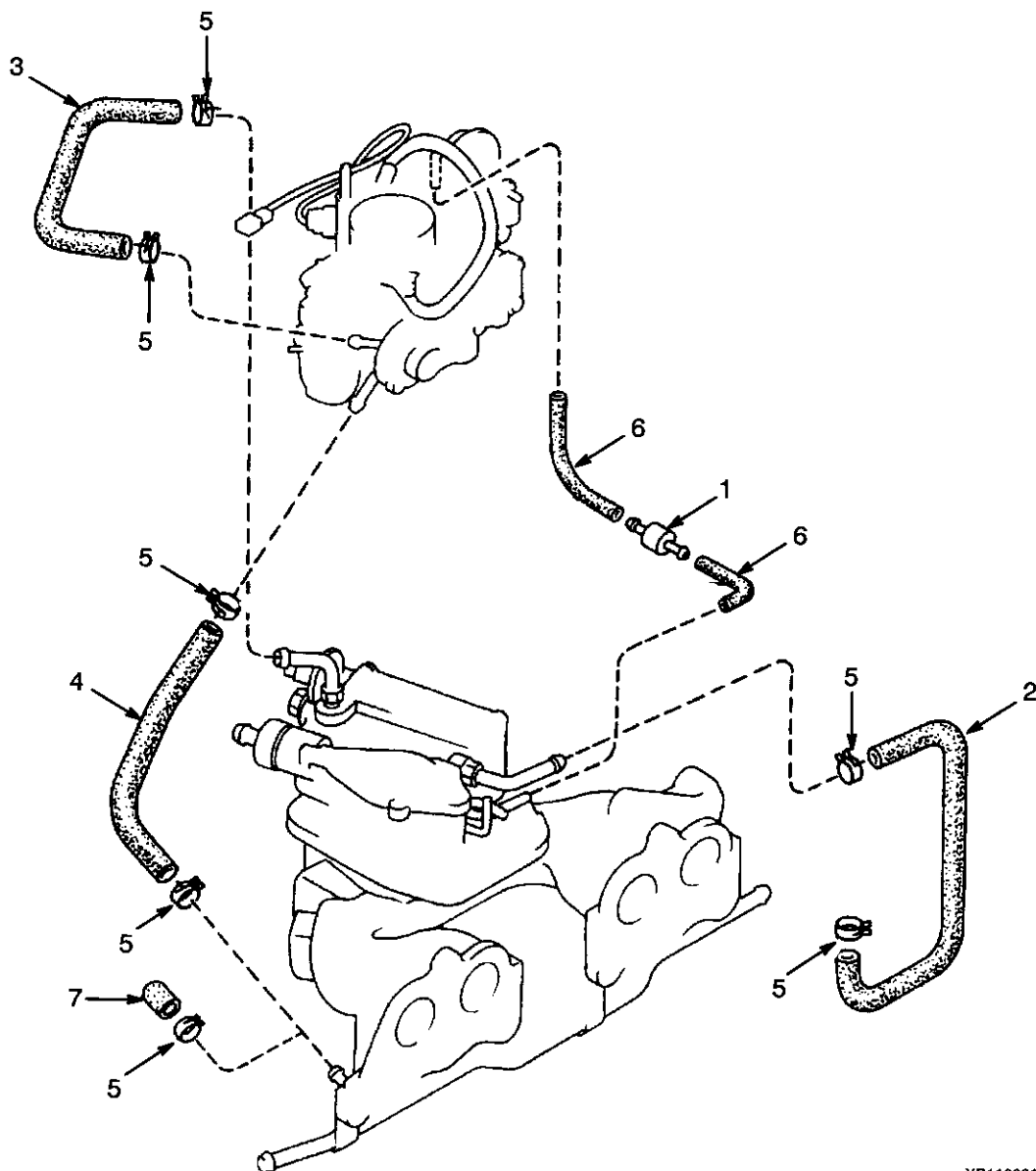
EMISSION CONTROL AND EXHAUST SYSTEM

GASOLINE 2.0L AND 2.2L

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1553864	Throttle Body	1
2	1553832	Gasket	1
3	1553868	Hose (PVC)	1
4	1366933	Clamp	2
5	326504	Nut	2
6	2066630	Bolt	2
7	1495429	Clamp	4
8	1553867	Hose	1
9	1361873	Clamp	1
10	1553866	Hose	1
11	2066629	Nut	2
12	1553871	Gasket	1
13	1553870	Valve (Idle Air Control)	1
14	1362011	Bolt	1
15	1553829	Supporter.....	1
16	1553865	Hose	1
17	1553869	Tube (Vacumm).....	1
18	1361747	Gasket	1
19	1361744	Manifold (Exhaust)	1
20	1361745	Stud	4
21	1361746	Nut	6
22	1370690	Washer	6
23	1338308	Gasket	1
24	1469342	Catalytic Converter	1
25	1495501	Bolt	2
26	1495502	Bolt	2
27	1487172	Gasket	1
28	1487189	Gasket	1

EMISSION CONTROL SYSTEM (Figure 2-45)

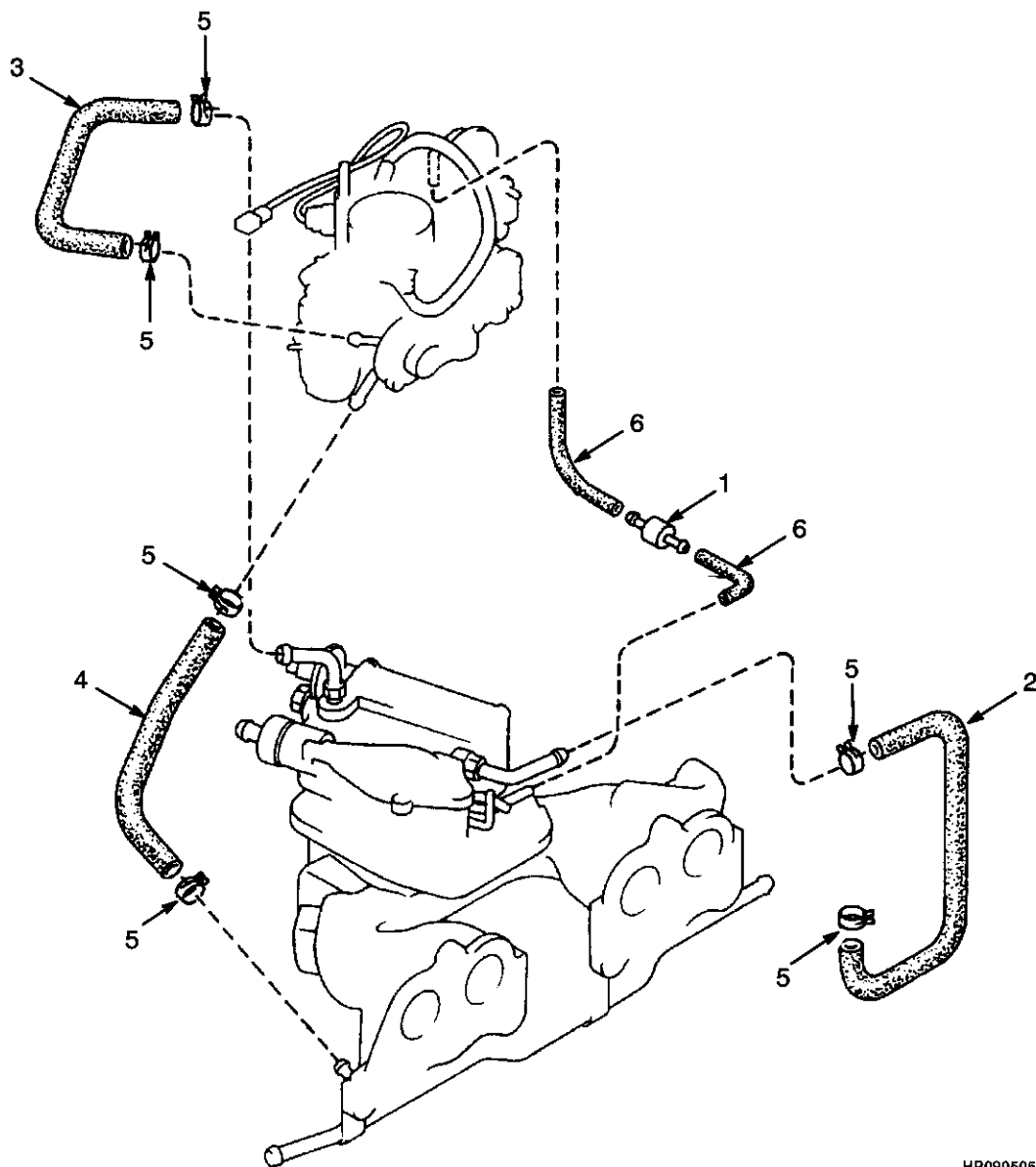


YP110061

EMISSION CONTROL SYSTEM**KEY:****A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	2021447	Valve	..	1
1	1374788	Valve	1	..
2	1361791	Hose	1	..
3	1361792	Hose	1	..
4	1377116	Hose	1	..
5	1361873	Clamp	..	2
5	1361873	Clamp	6	..
6	1361796	Hose	..	1
7	1361790	Cap	..	1

EMISSION CONTROLS GASOLINE (Figure 2-46) 2.2L



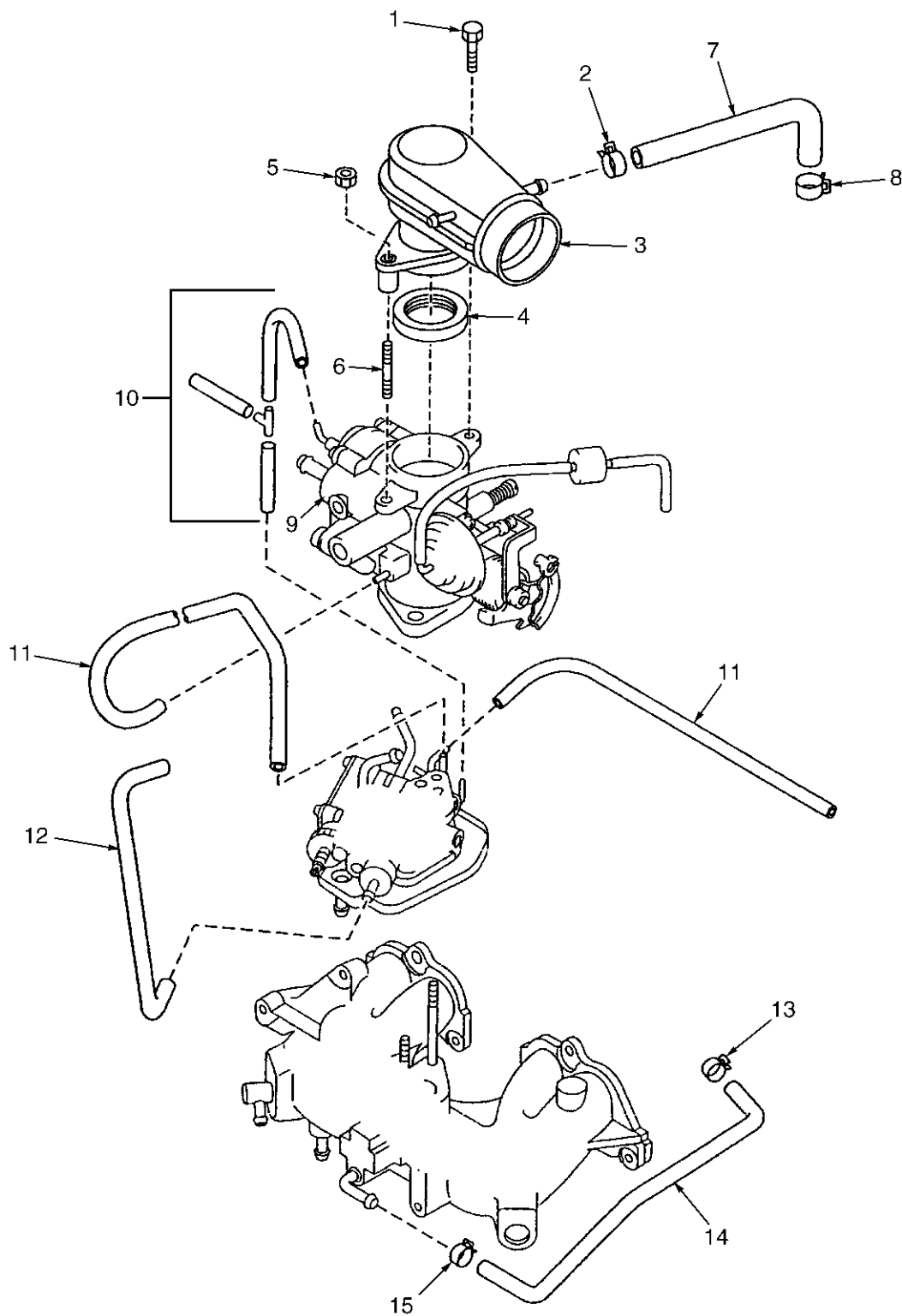
HP090505

**EMISSION CONTROLS GASOLINE
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2043864	Engine (Gasoline)	1
1	1374788	Valve	1
2	1361791	Hose	1
3	1361792	Hose	1
4	1377116	Hose	1
5	1361873	Clamp	6
6	1361796	Hose	2

FOOTNOTES:**a** S/N H177B-26413Y ⇒

EMISSION CONTROL SYSTEM (Figure 2-47) LPG 2.0L AND 2.2L EPA COMPLIANT

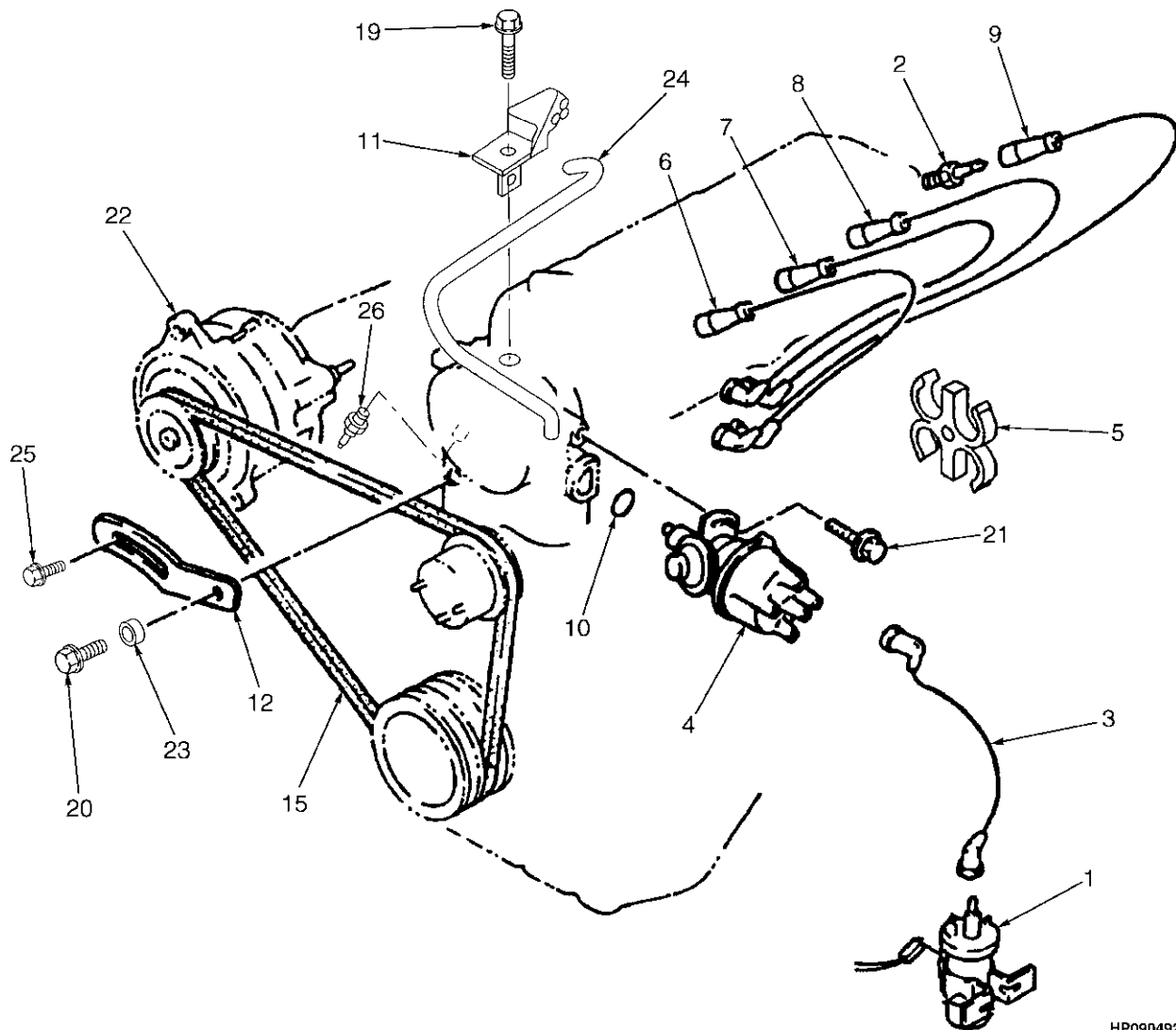
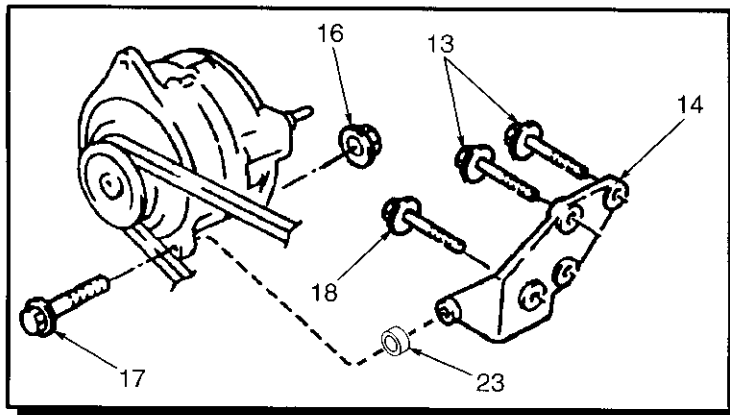


BP110010

**EMISSION CONTROL SYSTEM
LPG 2.0L AND 2.2L
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1495500	Bolt	1
2	1361871	Clamp	1
3	1361766	Air Funnel	1
4	1475156	Seal	1
5	1361869	Nut	1
6	1361870	Stud	1
7	1361794	Hose	1
8	1361871	Clamp	1
9	1553793	Carburetor.....	1
10	1553586	Tube	1
11	1361796	Hose	2
12	2045308	Hose	1
13	1495429	Clamp	1
14	1360894	Hose (PCV)	1
15	1361873	Clamp	1

ELECTRICAL (Figure 2-48) GASOLINE AND LPG 2.0L AND 2.2L



HP090492

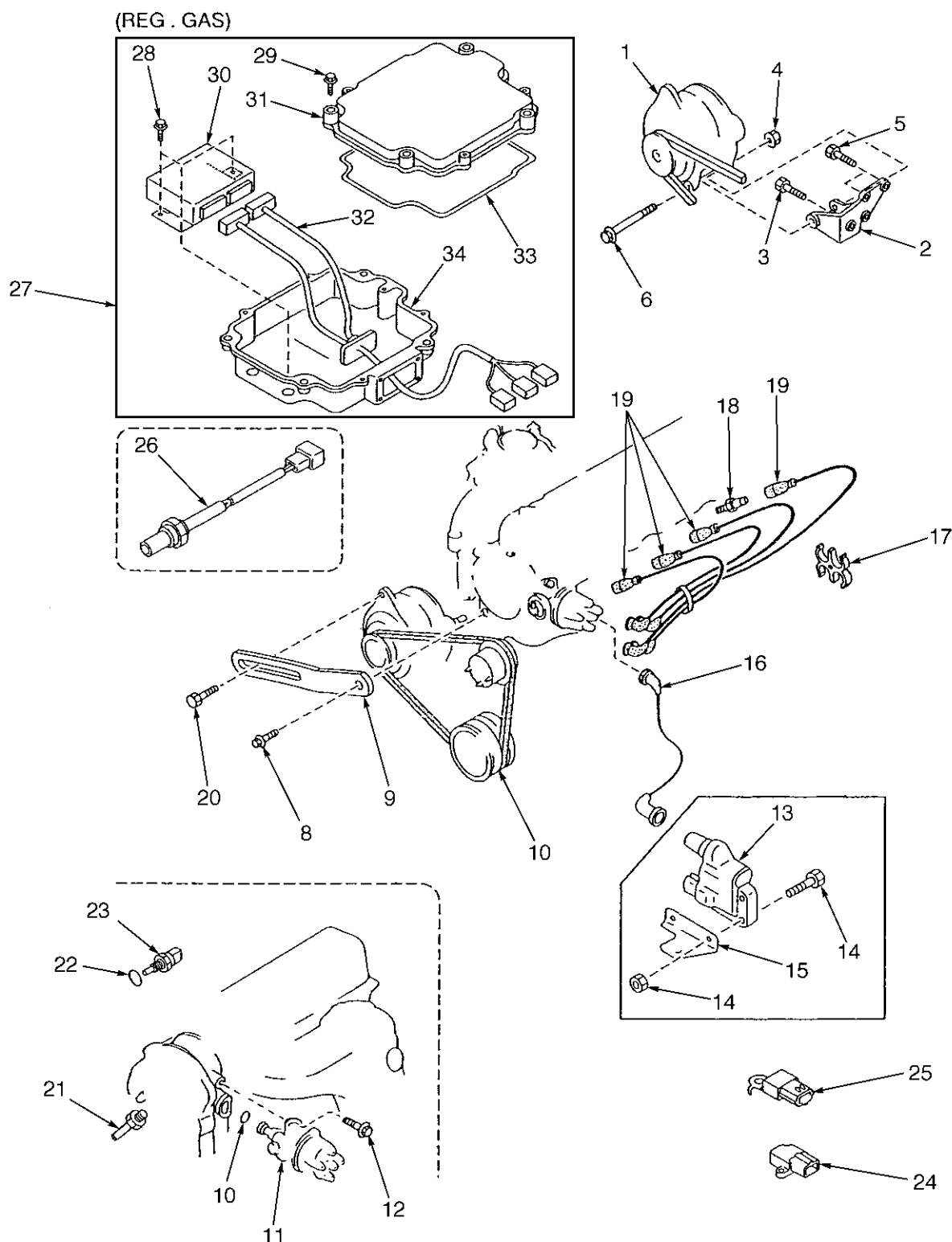
ELECTRICAL **GASOLINE AND LPG** **2.0L AND 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1382680	Engine (LPG)	1
	1382681	Engine (Gasoline)	1
	b 1469382	Engine (LPG) (2.0L) (Open Loop)	1
	d 1486698	Engine (LPG) (2.0L LPG) (Closed Loop)	1
	c 2043865	Engine (LPG) (2.2L) (Open Loop)	1
	c 2043866	Engine (LPG) (2.2L) (Closed Loop)	1
1		Ignition Coil (☞ Figure 4-2)	1
2	1361837	Spark Plug	4
3	1361839	Coil Wire	1
4	1453562	Distributor (☞ Figure 4-49)	1
5	1361838	Support	1
6	1361840	Cable (Spark Plug) (No. 1)	1
7	1361841	Cable (Spark Plug) (No. 2)	1
8	1361842	Cable (Spark Plug) (No. 3)	1
9	1361843	Cable (Spark Plug) (No. 4)	1
10	326850	O-Ring	1
11	1361844	Protector	1
12	1361845	Strap	1
13	1361891	Bolt	2
14	1361846	Bracket	1
15	a 1384008	V-Belt	1
15	b 1495412	V-Belt	1
16	1361890	Nut	1
17	1361889	Screw	1
18	1361888	Bolt	2
19	1361893	Screw	1
20	1361881	Bolt	2
21	1361895	Bolt	1
22	1450928	Alternator (☞ Figure 4-53)	1
23	2045320	Spacer	2
24	1495413	Hose	1
25	326898	Bolt	1
26	1361867	Temperature Sender	1
	1367190	Gasket Set (Includes Item 10)	1

FOOTNOTES:

- a** ⇒ S/N H177B-23393
b S/N H177B-23394 ⇒
c S/N H177B-26413Y ⇒
d S/N H177B-26764Y ⇒

ENGINE ELECTRICAL SYSTEM (Figure 2-49) GASOLINE 2.0L AND 2.2L EPA COMPLIANT



YP080537

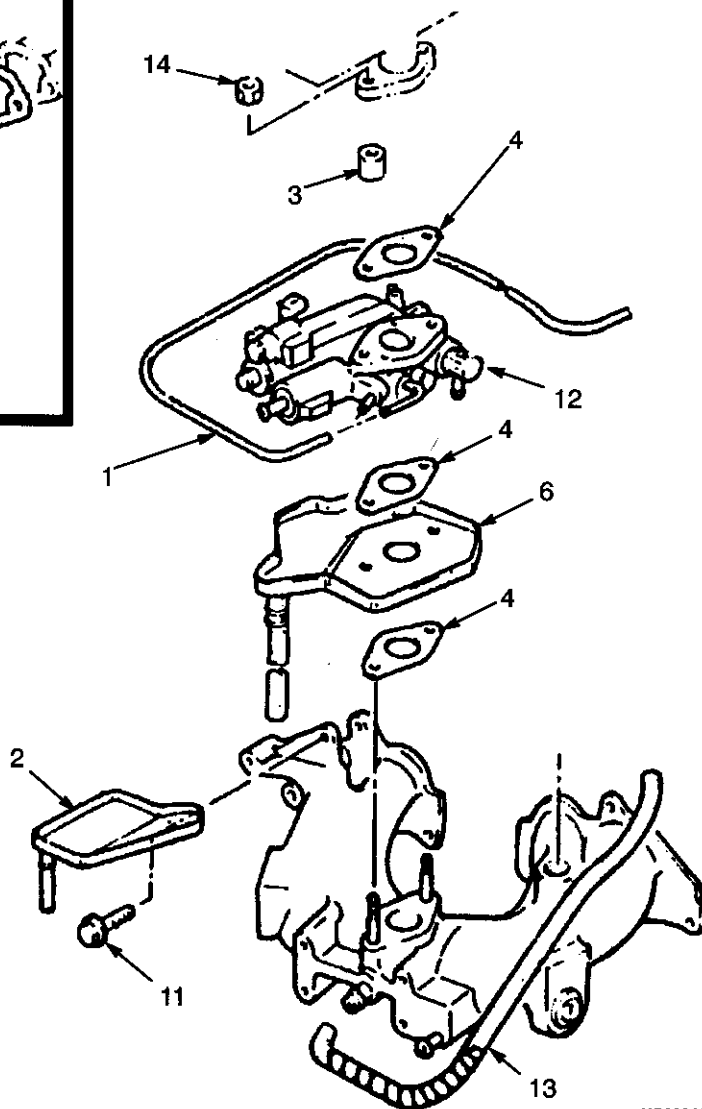
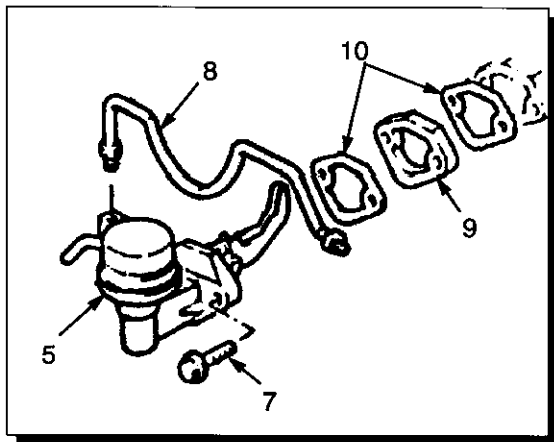
ENGINE ELECTRICAL SYSTEM

GASOLINE 2.0L AND 2.2L

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1450928	Alternator	1
2	1361846	Bracket.....	1
3	1361888	Bolt	1
4	1361890	Nut	1
5	1361891	Bolt	3
6	1368844	Bolt	1
7	1361845	Strap	1
8	1361881	Bolt	1
9	1495412	V-Belt.....	1
10	1553985	O-Ring	1
11	1554030	Distributor	1
12	1361895	Bolt	1
13	1527571	Ignition Coil	1
14	1553997	Screw Set	1
15	1553996	Bracket	1
16	1553984	Coil Wire	1
17	1361838	Support.....	1
18	1361837	Spark Plug	4
19	1362113	Ignition Cable Set	1
20	326898	Bolt	1
21	1361867	Temperature Sender	1
22	1368743	Washer	1
23	1554003	Sensor (Coolant)	1
24	1545444	Igniter.....	1
25	1545443	Condenser	1
26	1550986	Sensor (Oxygen)	1
27	1548356	Engine Control Unit (2.0L)	1
27	1548357	Engine Control Unit (2.2L)	1
28	2045023	Screw	3
29	1369897	Bolt	8
30	1554006	Electronic Control Module (2.0L)	1
30	1554008	Electronic Control Module (2.2L)	1
31	1554005	Cover.....	1
32	1554001	Wire Harness	1
33	1553992	Gasket	1
34	1554000	Box.....	1

FUEL (Figure 2-50) GASOLINE AND LPG 2.0L



HP090493

FUEL **GASOLINE AND LPG** **2.0L**

KEY:**A: LPG****B: Gasoline**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1382680	Engine (LPG)	1	..
	1382681	Engine (Gasoline)	..	1
1	1361773	Hose	1	1
2	1361754	Deflector	..	1
3	1361761	Spacer	2	..
4	1361752	Gasket	2	3
5	1361753	Fuel Pump	..	1
6	1361750	Deflector	..	1
7	1361885	Bolt	..	2
7	1361898	Bolt	2	..
8	1361760	Pipe	..	1
9	1361749	Cover	1	..
9	1361755	Insulator	..	1
10	1361756	Gasket	1	2
11	1361868	Screw	..	2
12	1361751	Governor (☞ Figure 3-12)	1	..
13	1360894	Hose (PCV)	1	1
14	326504	Nut	2	2

HP090494

**FUEL
LPG
2.0L AND 2.2L**

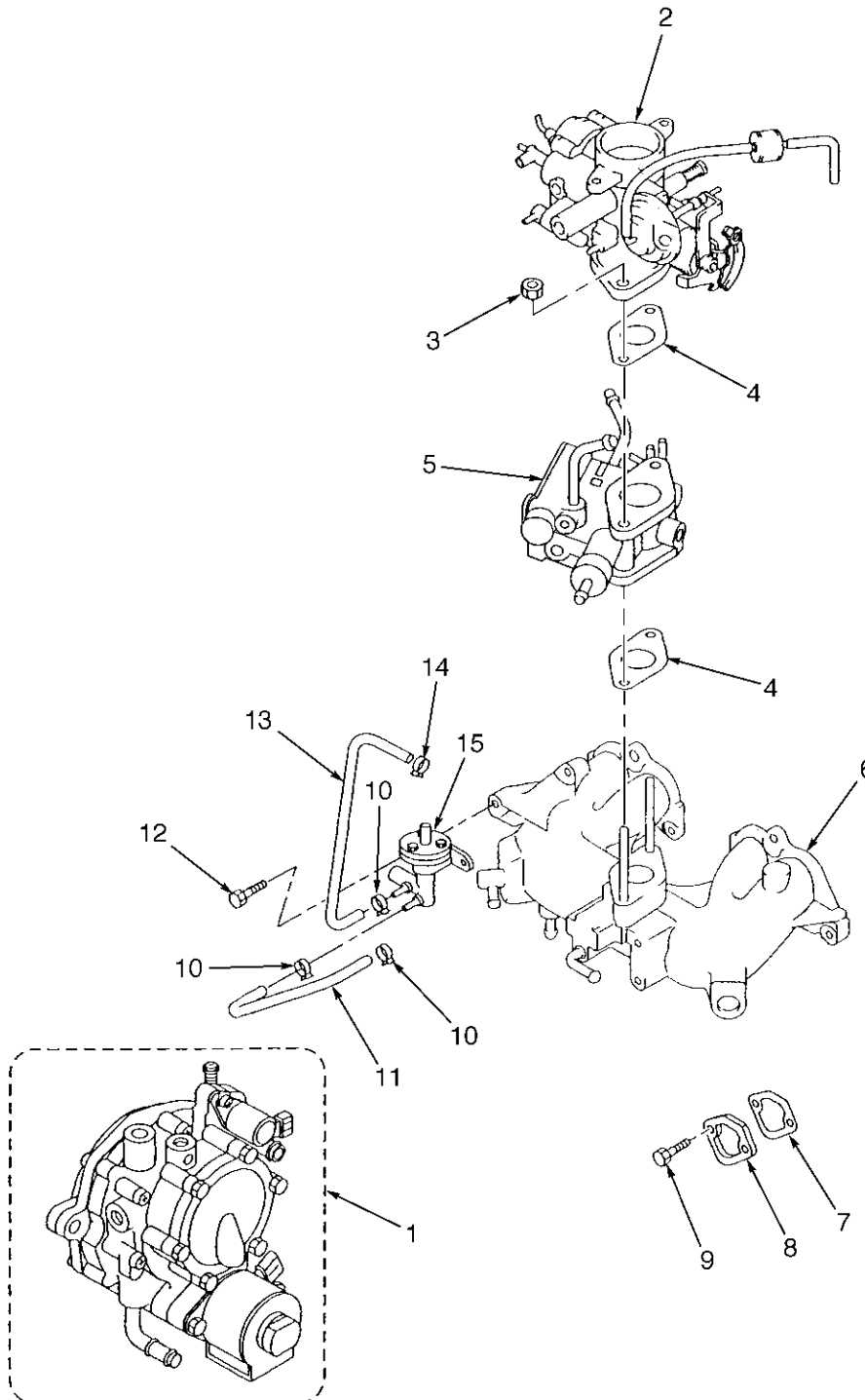
ITEM	PART NO.	DESCRIPTION	QTY
	b 1469382	Engine (LPG) (2.0L)	1
	a 1486698	Engine (LPG) (2.0L)	1
	b 2043865	Engine (LPG) (2.2L)	1
	a 2043866	Engine (LPG) (2.2L)	1
1	1361749	Cover	1
2	1469346	Regulator (☞ Figure 3-19)	1
2	1493620	Regulator (☞ Figure 3-19)	1
2	1487199	Regulator (☞ Figure 3-20)	1
3	1361741	Cap	1
4	1361752	Gasket	2
5	1475156	Seal	1
6	1361766	Air Funnel	1
7	1361756	Gasket	1
8	1493246	Carburetor (☞ Figure 3-17)	1
8	1493299	Carburetor (☞ Figure 3-18)	1
9	1361794	Hose	1
10	1361756	Gasket	1
11	1360894	Hose (PCV)	1
12	1495429	Clamp	1
13	1361796	Hose	1
14	1361797	Hose	1
15	1361869	Nut	2
16	1361870	Stud	2
17	326504	Nut	2
18	1361873	Clamp	2
19	1495422	Governor (2.0L) (☞ Figure 3-13)	1
19	1495423	Governor (2.2 L) (☞ Figure 3-13)	1
20	1374789	Connector (2.2L)	1
21	1495413	Hose (2.2L)	1

FOOTNOTES:**a** Closed Loop**b** Open Loop

ENGINE FUEL SYSTEM (Figure 2-52)

LPG 2.0L AND 2.2L

EPA COMPLIANT



BP130024

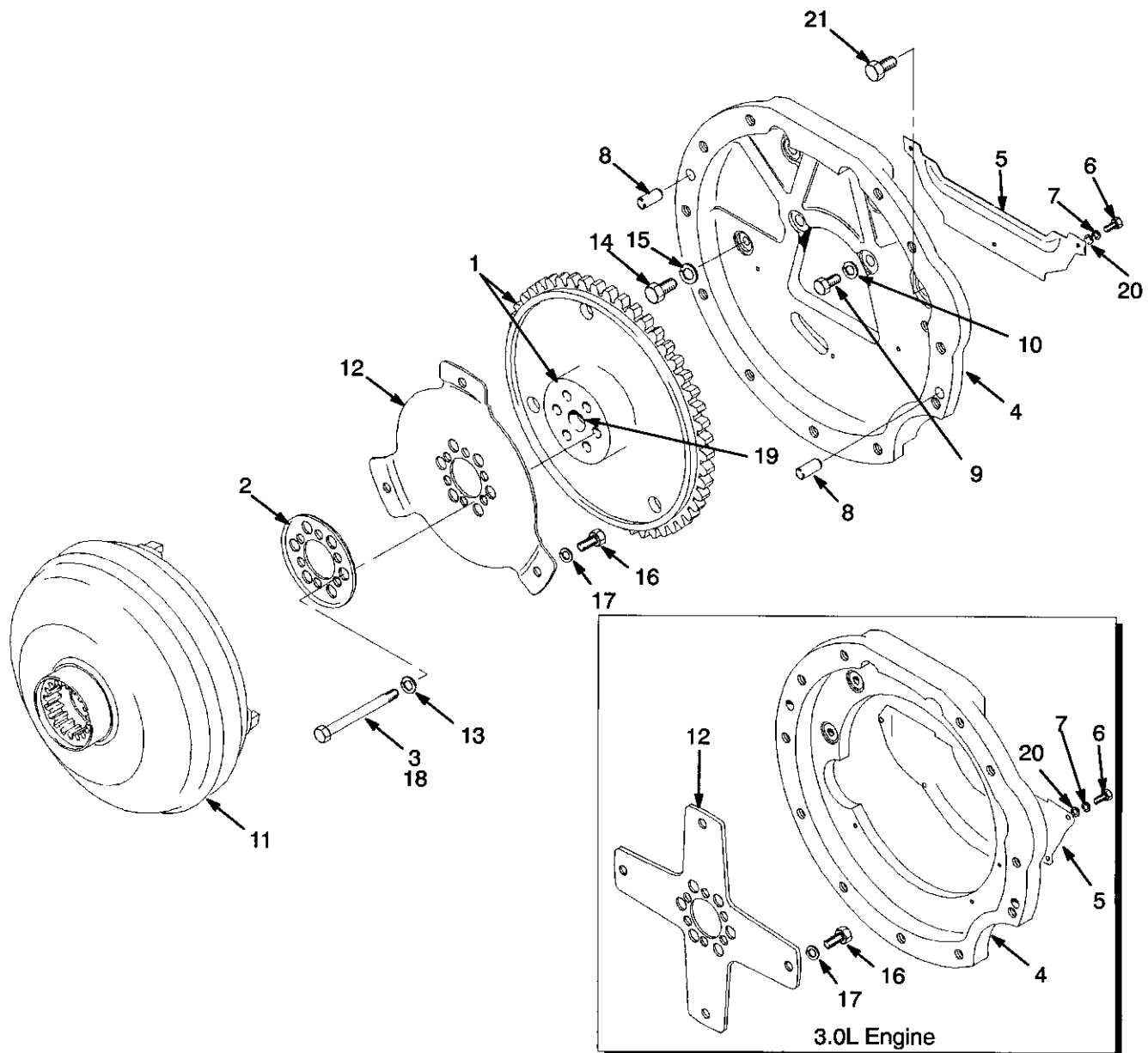
ENGINE FUEL SYSTEM

LPG 2.0L AND 2.2L

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1501952	Regulator (Lockout)	1
2	1553793	Carburetor.....	1
3	326504	Nut	2
4	1361752	Gasket	2
5	1495422	Governor (2.0L) (2.0L) (☞ Figure 3-13)	1
5	1512088	Governor (2.2L) (☞ Figure 3-13)	1
6	1553766	Manifold (Inlet)	1
7	1361756	Gasket	1
8	1361749	Cover	1
9	1553800	Bolt	2
10	1361871	Clamp	2
11	1553794	Hose	1
12	1553798	Capscrew.....	2
13	1553795	Hose	1
14	1553797	Clamp	2
15	1553796	Fuel Filter.....	1

TORQUE CONVERTER AND FLYWHEEL (Figure 2-53) GASOLINE AND LPG 2.0L AND 3.0L



HP090496

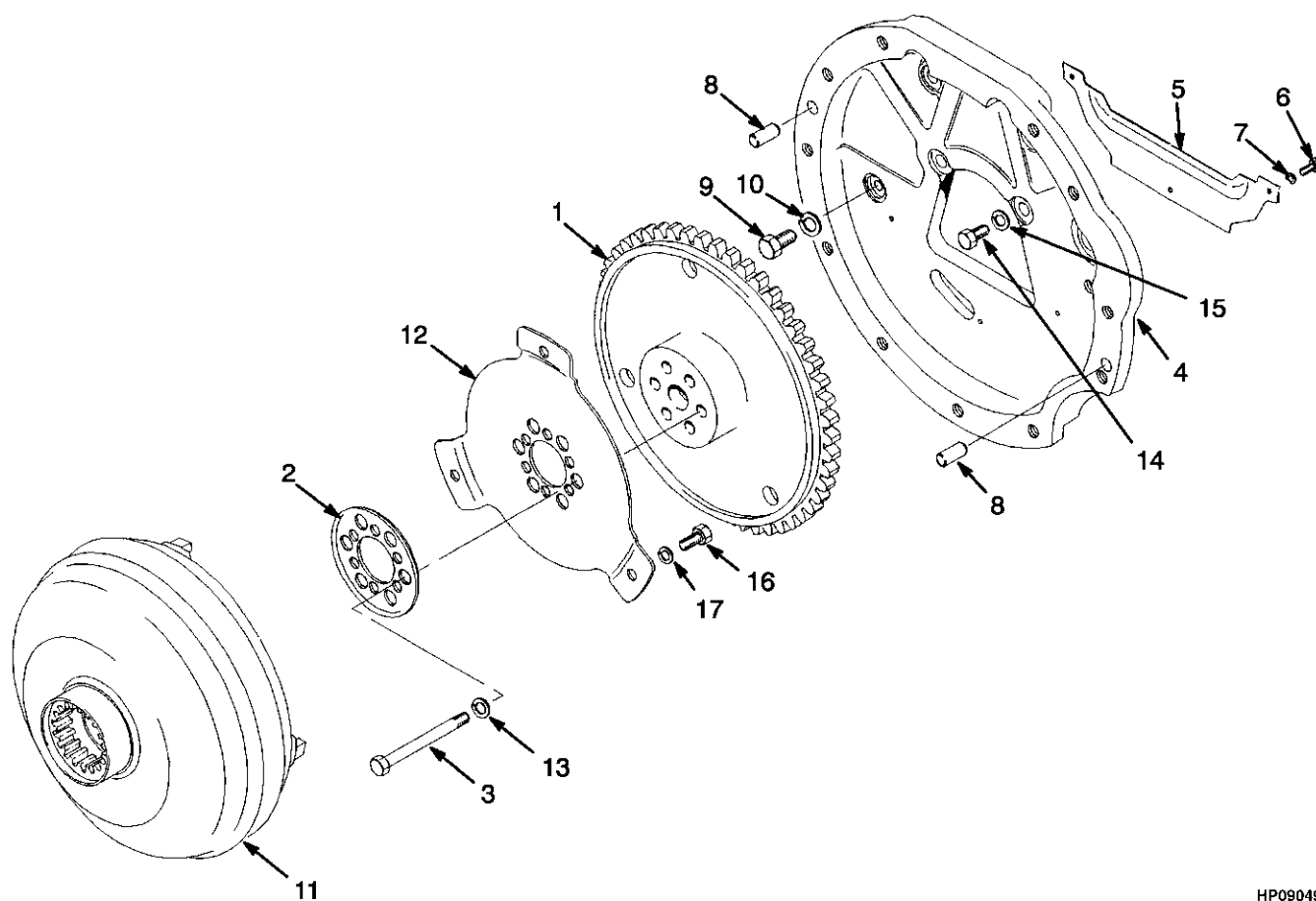
TORQUE CONVERTER AND FLYWHEEL GASOLINE AND LPG 2.0L AND 3.0L

KEY:**A: 2.0L****B: 3.0L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1378558	Flywheel	1	..
1	1386799	Spacer	..	1
1	1386800	Spacer	1	..
1	1389359	Flywheel	..	1
2	1337093	Washer	1	..
2	1375144	Flexplate	..	1
3	1347157	Capscrew.....	6	..
3	221544	Capscrew.....	..	6
4	1335937	Housing	1	..
4	1375145	Housing	..	1
5	1371584	Cover	..	1
5	1371652	Cover	1	..
6	148962	Capscrew.....	5	..
6	292513	Capscrew.....	..	3
7	292680	Lockwasher.....	5	..
7	292682	Lockwasher.....	..	3
8	302385	Pin	2	2
9	177461	Capscrew.....	..	5
9	305371	Capscrew.....	6	..
10	221767	Washer	..	6
10	296424	Washer	6	..
11	ac 1386795	Torque Converter (No. 3.15).....	1	1
11	bd 1386815	Torque Converter (No. 3.15).....	1	1
12	1394915	Plate	1	1
13	221769	Washer	..	6
13	296422	Washer	6	..
14	293614	Capscrew.....	1	..
15	296418	Washer	1	..
16	15942	Bolt	3	4
17	261379	Washer	3	4
18	360387	Sealant	AR	AR
19	251979	Lubricant.....	AR	AR
20	18500	Washer	2	2
21	221510	Capscrew (2.0 in.).....	..	1

FOOTNOTES:**a** ⇒ S/N T80B036193**b** S/N T80B036194 ⇒**c** ⇒ S/N T81M21893**d** S/N T81M21894 ⇒

FLYWHEEL (Figure 2-54) 2.2L

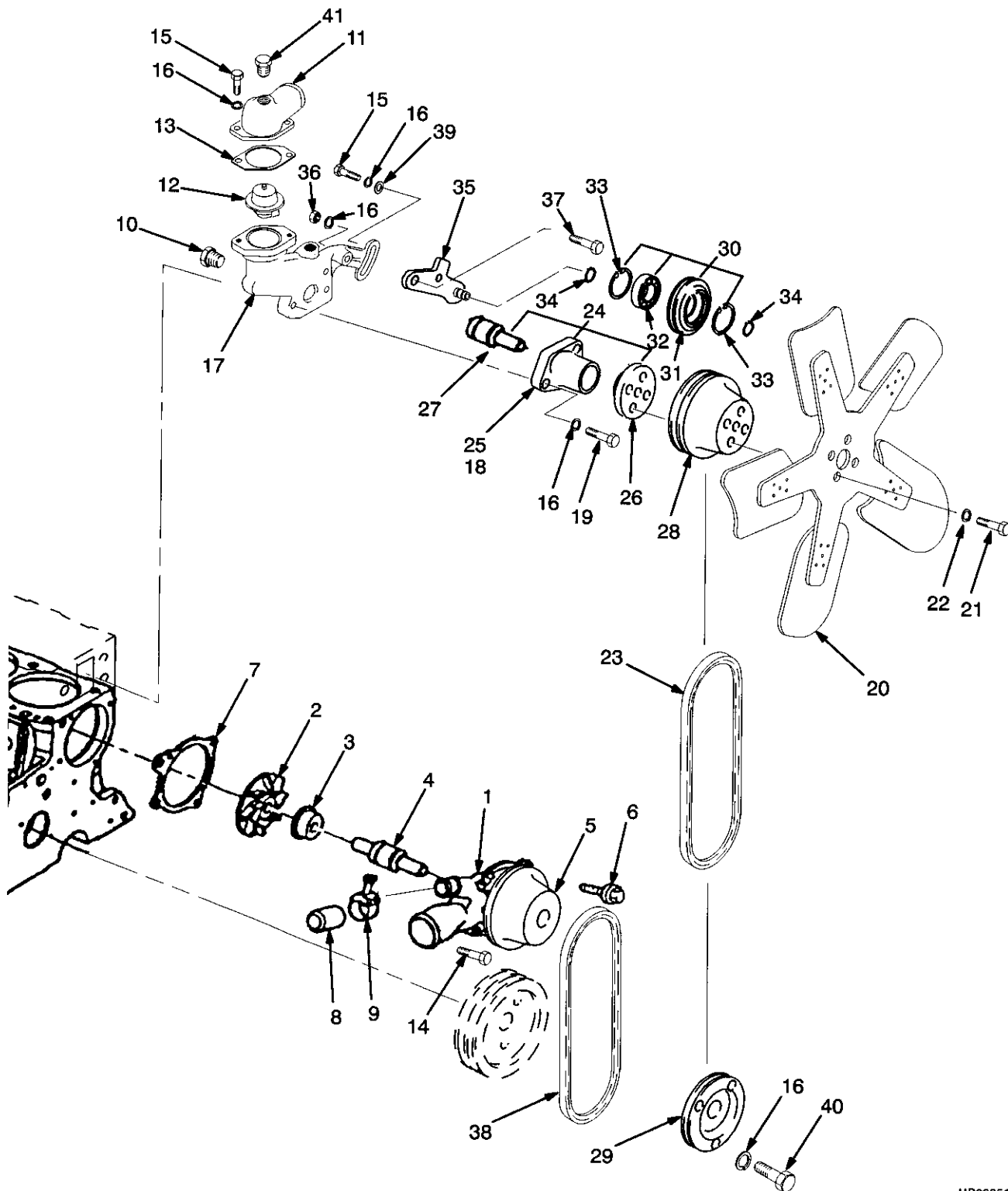


HP090497

**FLYWHEEL
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1378558	Flywheel	1
1	1386800	Spacer	1
2	1337093	Washer	1
3	1347157	Capscrew.....	6
4	1351273	Housing	1
5	1371652	Cover	1
6	148962	Capscrew.....	3
7	292680	Lockwasher.....	3
8	1355499	Pin	2
9	305371	Capscrew.....	6
10	296424	Washer	6
11	1386815	Torque Converter (No. 3.15).....	1
12	1394915	Plate	1
13	296422	Washer	6
14	293614	Capscrew.....	1
15	296418	Washer	1
16	15942	Bolt	4
17	261379	Washer	3

COOLING (Figure 2-55) GASOLINE AND LPG 3.0L



HP090513

**COOLING
GASOLINE AND LPG 3.0L****KEY:****A: 8RS 1998 Series Engine****B: 9RS 1999 Series Engine****C: 0RS 2000 Series Engine****D: 1RS 2001 Series Engine****E: 2RS 2002-2003 Series Engine**

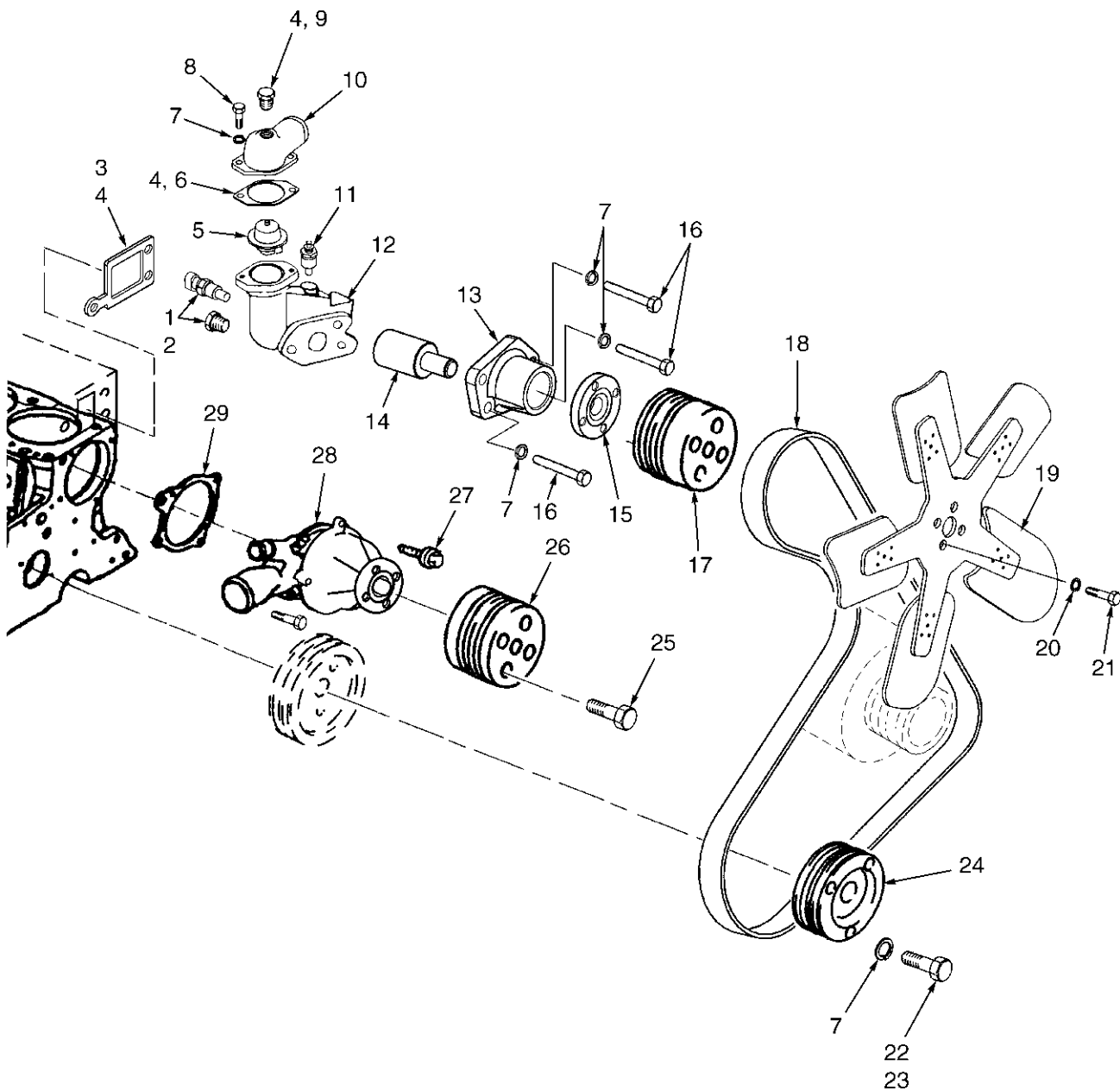
ITEM	PART NO.	DESCRIPTION	QTY				
			A	B	C	D	E
	1453580	Engine (3.0L 8RS 1998 Series Engine) (V Belts).....	1	..	..	..	..
	1459493	Engine (3.0L 9RS 1999 Series Engine) (V Belts).....	..	1	..	..	..
	1465390	Engine (3.0L 0RS 2000 Series Engine) (V Belts).....	..	..	1	..	..
	1484444	Engine (3.0L 1RS 2001 Series Engine) (V Belts).....	..	..	..	1	..
	1506841	Engine (3.0L 2002 Series Engine) (V Belts).....	..	..	..	..	1
	1524201	Engine (3.0L 2003 Series Engine) (V Belts).....	..	..	..	..	1
1		Water Pump	1	1	1	1	1
2		Impeller	1	1	1	1	1
3		Seal.....	1	1	1	1	1
4		Bearing.....	1	1	1	1	1
5		Pulley	1	1	1	1	1
6	221455	Capscrew	2	2	2	2	2
7	1330456	Gasket.....	1	1	1	1	1
8	149929	Cap.....	1	1	1	1	1
9	1335224	Clamp	1	1	1	1	1
10	14386	Fitting.....	1	1	1	1	1
11	1317468	Outlet.....	1	1	1	1	1
12	1450696	Thermostat (180° F)	1	1	1	1	1
13	1330725	Gasket.....	1	1	1	1	1
14	18508	Capscrew	2	2	2	2	2
15	16805	Capscrew	3	3	3	3	3
16	15156	Lockwasher	10	10	10	10	10
17	1371582	Housing	1	1	1	1	1
18	264159	Adhesive.....	AR	AR	AR	AR	AR
19	18538	Capscrew	3	3	3	3	3
20	1458162	Fan (Pusher).....	1	1	1	1	1
21	16825	Capscrew	4	4	4	4	4
22	15155	Lockwasher	4	4	4	4	4
23	1526079	V-Belt.....	1	1	1	1	1
24	1458164	Drive Assembly (Fan)	1	1	1	1	1
24	1456071	Drive (Fan)	1	1	1	1	1
25		Housing.....	1	1	1	1	1
26	1360215	Hub	1	1	1	1	1
27	1458166	Bearing.....	1	1	1	1	1
28	1458163	Pulley (Fan)	1	1	1	1	1
29	1375196	Pulley (Crankshaft).....	1	1	1	1	1
30	1359103	Idler Assembly	1	1	1	1	1
31	1359102	Pulley	1	1	1	1	1
32	1479128	Bearing.....	1	1	1	1	1
33	12928	Snap Ring	2	2	2	2	1
34	54123	Snap Ring.....	2	2	2	2	1
35	1359100	Bracket	1	1	1	1	1
36	15056	Nut.....	1	1	1	1	1
37	16379	Capscrew	1	1	1	1	1

**COOLING
GASOLINE AND LPG 3.0L**

ITEM	PART NO.	DESCRIPTION	A	B	QTY		
					C	D	E
38	1526078	V-Belt (Pump).....	1	1	1	1	1
39	296421	Washer	1	1	1	1	1
40	16814	Capscrew	3	3	3	3	1
41	14387	Fitting.....	1	1	1	1	1
	1383997	Water Pump and Gasket (Includes Items 1-5, 7).....	1	1	1	1	..
	1498507	Water Pump Kit (Includes Items 1-5, 7).....	..	..	..	..	1

[illegible]

COOLING (Figure 2-56) GASOLINE AND LPG 3.0L 2003 THRU 2004 SERIES WITH SERPENTINE BELT

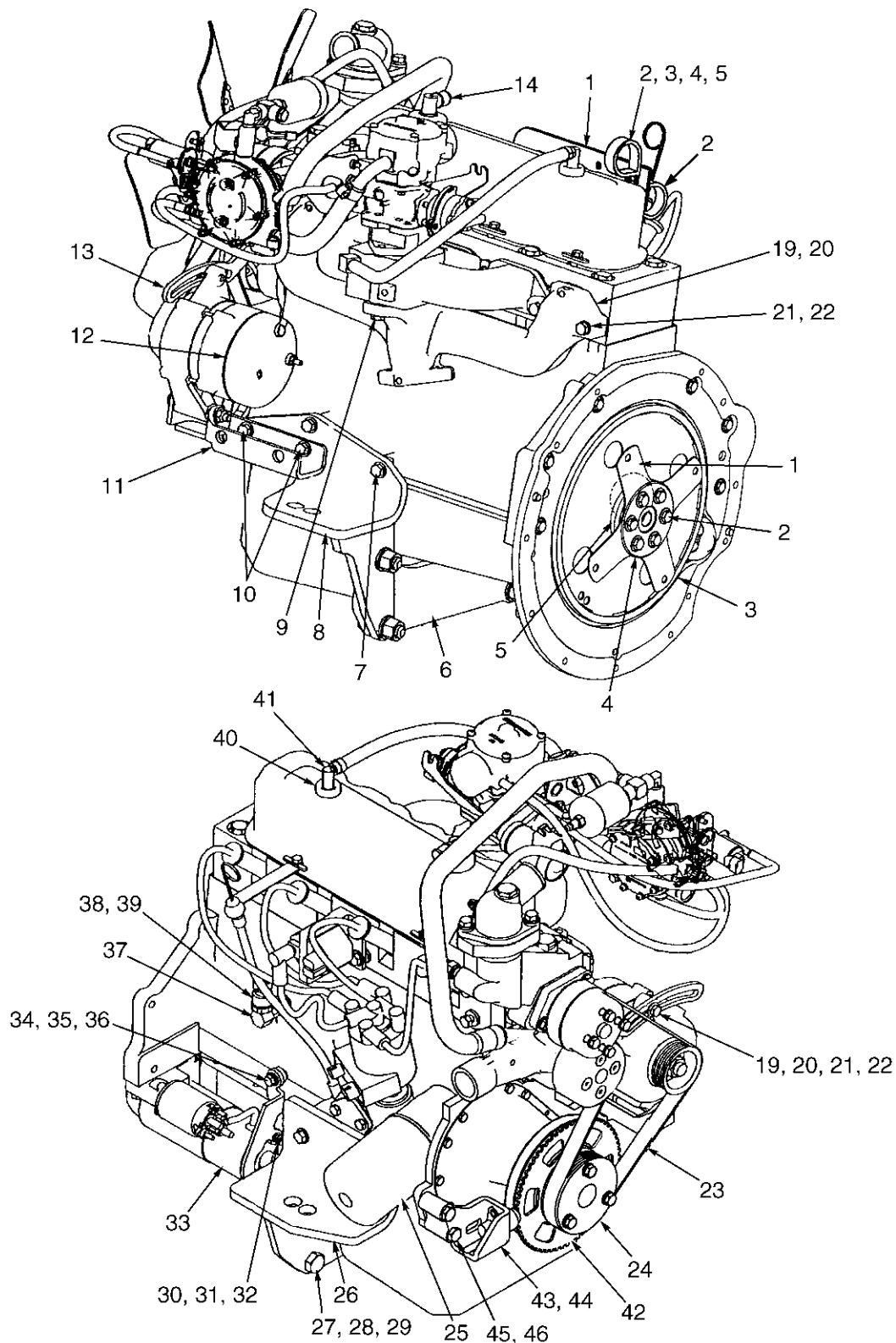


BP060008

COOLING
GASOLINE AND LPG 3.0L
2003 THRU 2004 SERIES WITH SERPENTINE BELT

ITEM	PART NO.	DESCRIPTION	QTY
1	14386	Fitting.....	1
1	1314381	Coolant Temperature Sensor (Optional)	1
2	246108	Sealant	AR
3	1329567	Gasket	1
4	264159	Adhesive	AR
5	1450696	Thermostat	1
6	1330725	Gasket	1
7	15156	Lockwasher.....	8
8	16805	Capscrew.....	2
9	14387	Fitting.....	1
10	1317468	Outlet.....	1
11	1319190	Temperature Sender	1
12	1527353	Housing	1
13	1458164	Drive Assembly (Fan)	1
13	1375602	Housing	1
14	1458166	Bearing.....	1
15	1360215	Hub.....	1
16	18538	Capscrew.....	3
17	1518984	Pulley (Fan).....	1
18	2053666	Belt (Serpentine).....	1
19	1458162	Fan (Pusher).....	1
20	15155	Lockwasher.....	6
21	18499	Capscrew.....	4
22	221511	Capscrew.....	3
23	360387	Sealant	AR
24	2043988	Pulley (Serpentine)	1
25	296225	Screw.....	4
26	1518983	Pulley (Water Pump).....	1
27	18508	Capscrew.....	1
28	2053667	Water Pump	1
28	1559958	Water Pump (EPA Compliant Engine)	1
29	1330456	Gasket	1
29	1330456	Gasket (EPA Compliant Engine).....	1

ENGINE ASSEMBLY (Figure 2-57) LPG 3.0L EPA COMPLIANT

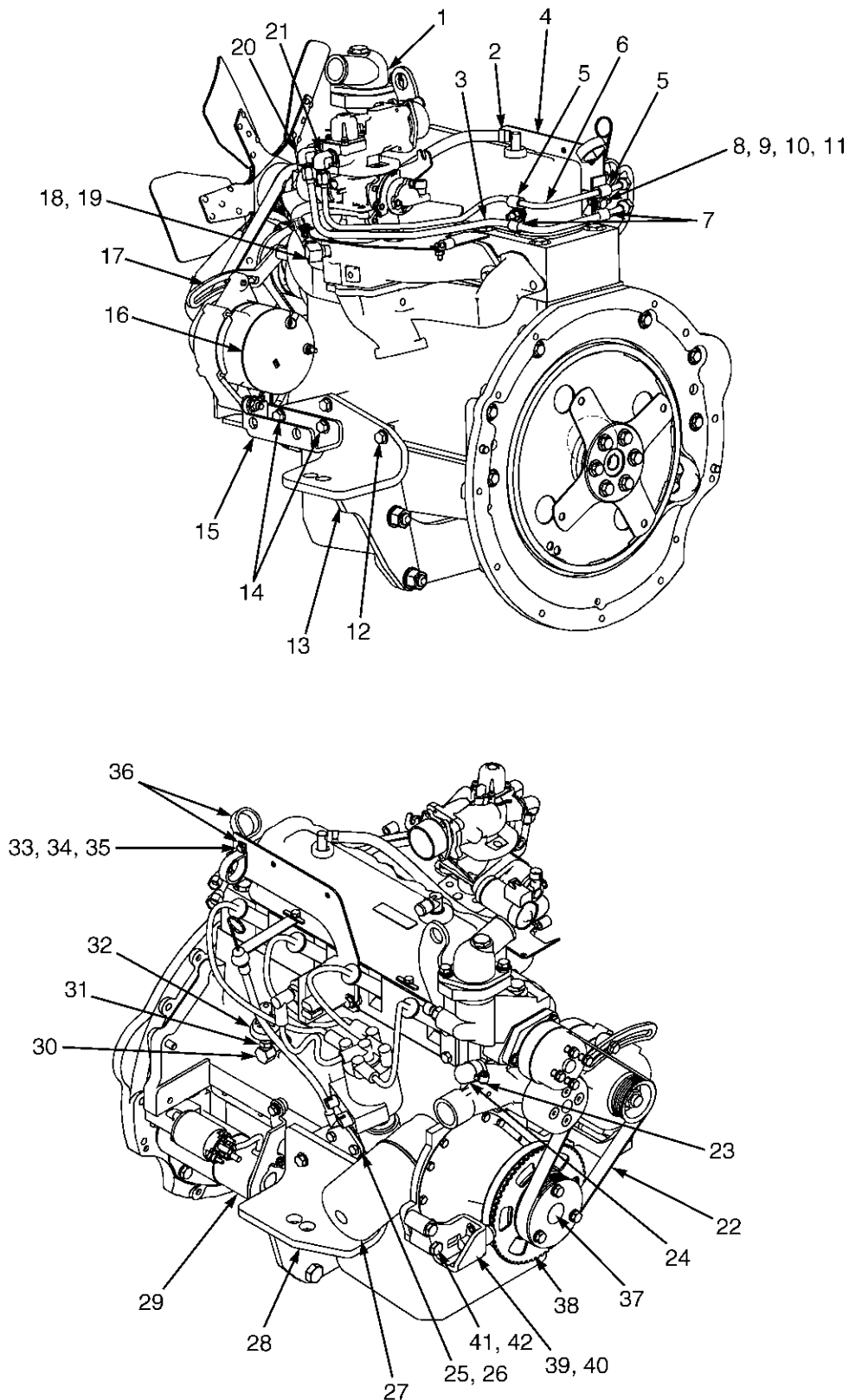


BP090121

**ENGINE ASSEMBLY
LPG
3.0L EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1543568	Bracket.....	1
2	147006	Clamp	2
3	292501	Capscrew.....	1
4	320156	Washer	1
5	136687	Nut	1
6	1375128	Plate	1
7	174413	Capscrew.....	6
8	1375129	Bracket (RH)	1
9	18535	Capscrew.....	1
10	1508234	Screw.....	2
11	1527018	Bracket.....	1
12	1469597	Alternator.....	1
13	1520828	Bracket.....	1
14	379407	Fitting.....	1
15	1500880	Manifold	1
16	1507692	Gasket	1
17	15156	Lockwasher.....	10
18	16815	Capscrew.....	2
19	350818	Washer	1
20	18516	Capscrew.....	1
21	320157	Washer	1
22	264159	Adhesive	AR
23	2053666	Belt (Serpentine).....	1
24	2066205	Pulley	1
25	2033682	Filter.....	1
26	1375125	Bracket (LH).....	1
27	293686	Capscrew.....	4
28	296426	Washer (Hardened)	4
29	316828	Nut	4
30	197067	Washer	2
31	15152	Lockwasher.....	2
32	15052	Nut	2
33	1469603	Starter.....	1
34	18515	Washer	1
35	15155	Lockwasher.....	1
36	18496	Capscrew.....	1
37	1376767	Fitting (Oil Pressure).....	1
38	16187	Fitting.....	1
39	1545857	Pressure Switch.....	1
40	164050	Grommet.....	1
41	353198	Clamp	2
42	1562045	Timing Wheel.....	1
43	1562046	Bracket.....	1
44	1562047	Sensor	1
45	292518	Capscrew.....	2
46	292682	Lockwasher.....	2

ENGINE ASSEMBLY (Figure 2-58) 3.0L EPA COMPLIANT GASOLINE

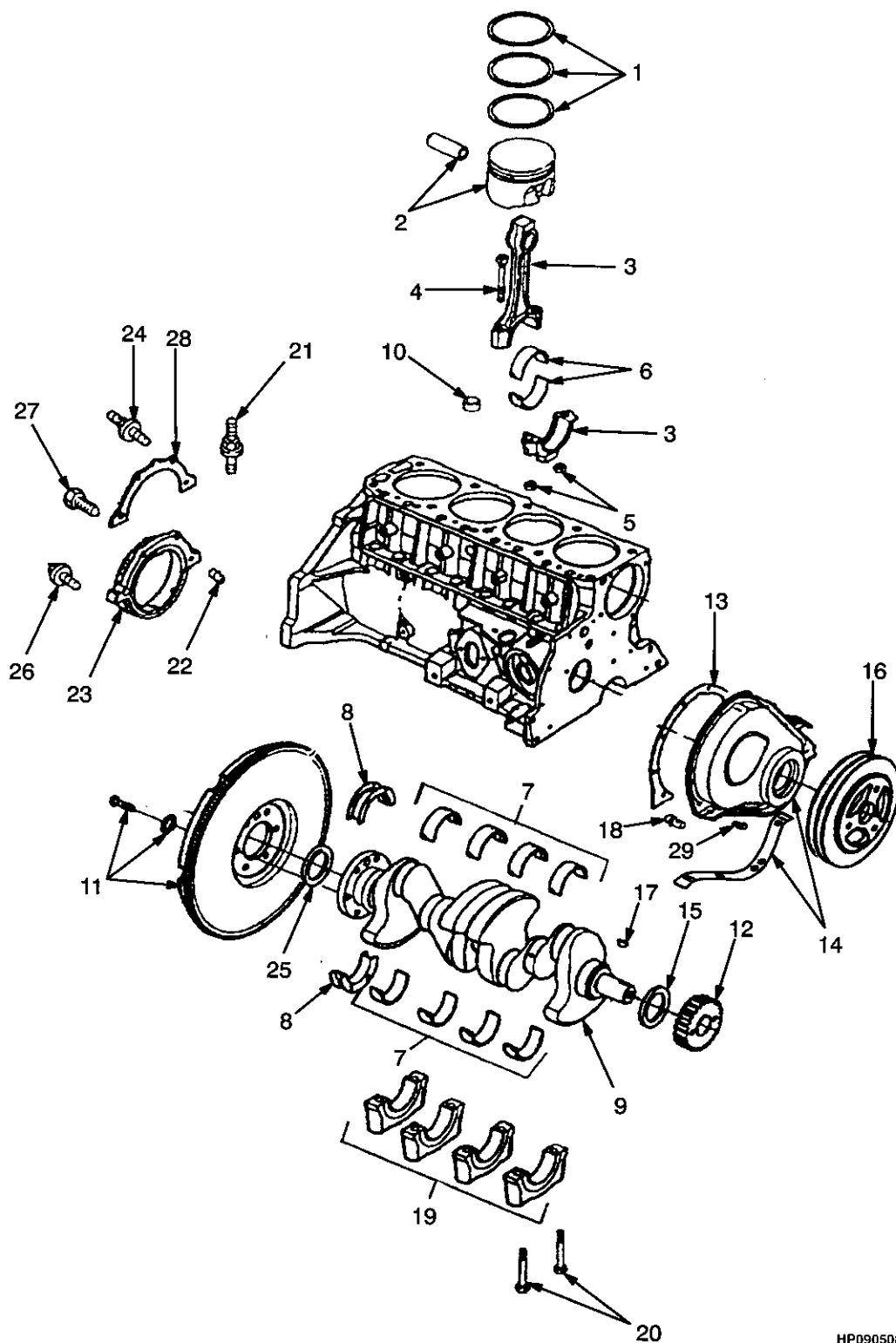


BP090122

**ENGINE ASSEMBLY
3.0L EPA COMPLIANT
GASOLINE**

ITEM	PART NO.	DESCRIPTION	QTY
1	1317468	Outlet	1
2	353198	Clamp	2
3	2063463	Tube	1
4	1543568	Bracket.....	1
5	164488	Clamp	2
6	2063464	Tube	1
7	1376727	Clamp	2
8	320158	Washer	2
9	292681	Lockwasher.....	2
10	136749	Capscrew.....	2
11	239503	Nut	2
12	174413	Capscrew.....	6
13	1375129	Bracket (RH)	1
14	1508234	Screw.....	2
15	1527018	Bracket.....	1
16	1469597	Alternator	1
17	1520828	Bracket (Upper)	1
18	201808	Fitting.....	1
19	246108	Sealant	AR
20	16558	Fitting.....	1
20	16483	O-Ring	1
21	1151325	Fitting.....	1
21	16483	O-Ring	1
22	2053666	Belt (Serpentine).....	1
23	130845	Clamp	1
24	149929	Cap	1
25	149934	Gasket	1
26	145949	Cover	1
27	2033682	Filter.....	1
28	1375125	Bracket (LH).....	1
29	1469603	Starter.....	1
30	1376767	Fitting (Oil Pressure).....	1
31	16187	Fitting.....	1
32	1545857	Pressure Switch.....	1
33	292501	Capscrew.....	1
34	320156	Washer	1
35	136687	Nut	1
36	147006	Clamp	2
37	1556395	Bushing.....	1
38	1562045	Timing Wheel.....	1
39	1562046	Bracket.....	1
40	1562047	Sensor	1
41	292512	Capscrew.....	2
42	292682	Lockwasher.....	2

CRANKSHAFT AND PISTON (Figure 2-59) GASOLINE AND LPG 3.0L 1998 THRU 2001 ENGINE



HP090508

CRANKSHAFT AND PISTON GASOLINE AND LPG 3.0L 1998 THRU 2001 ENGINE

KEY:**A: 8RS 1998 Series Engine****B: 9RS 1999 Series Engine****C: 0RS 2000 Series Engine****D: 1RS 2001 Series Engine**

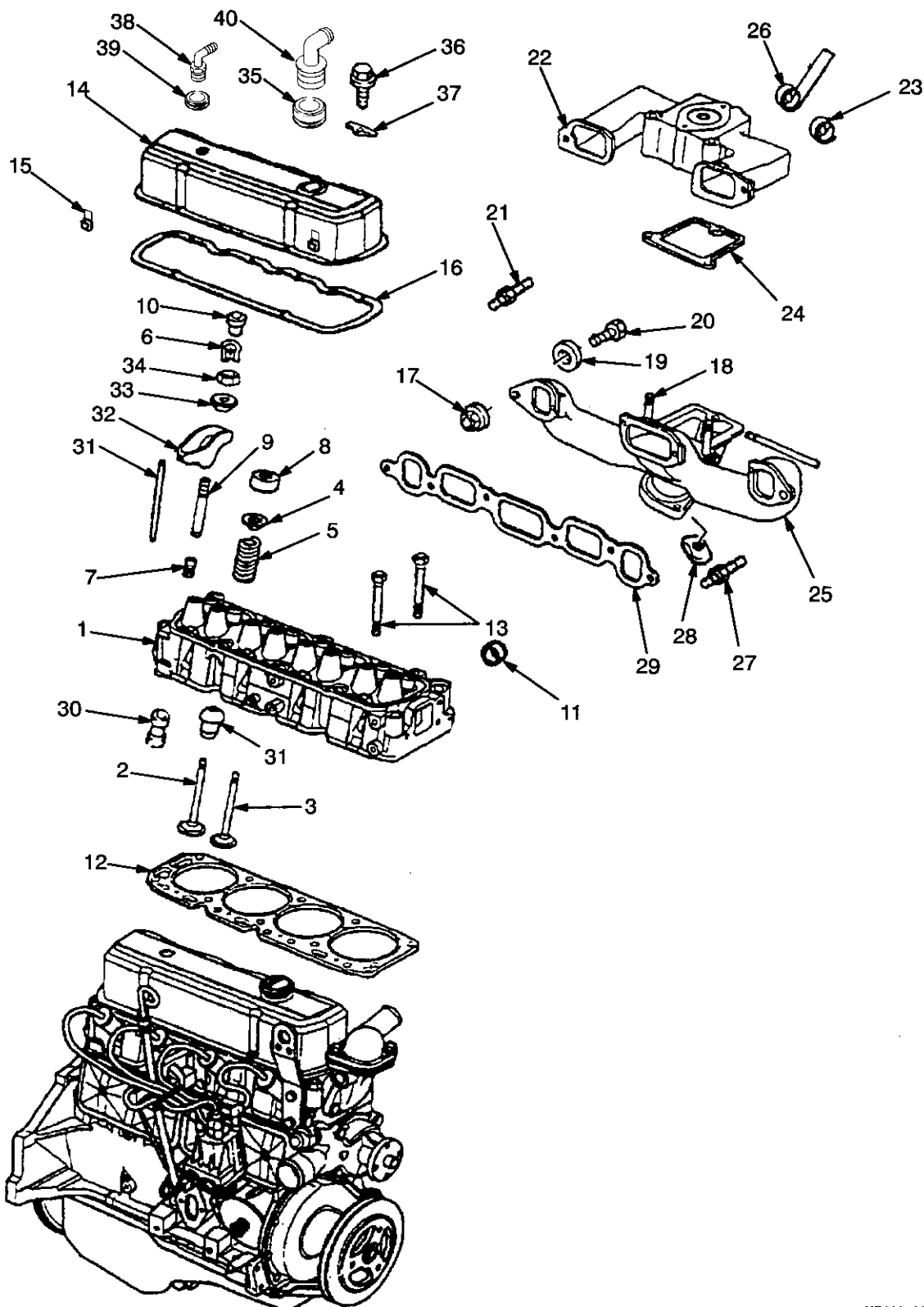
ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
	1453580	Engine (3.0L 8RS 1998 Series Engine).....	1	..	..	..
	1459493	Engine (3.0L 9RS 1999 Series Engine).....	..	1	..	..
	1465390	Engine (3.0L 0RS 2000 Series Engine).....	..	..	1	..
	1484444	Engine (3.0L 1RS 2001 Series Engine).....	..	..	..	1
1	306774	Piston Ring Set (Standard).....	4	4	4	4
1	375550	Piston Ring Set (0.030 in. O/S).....	4	4	4	4
2	304619	Piston (Standard)	4	4	4	4
2	304620	Piston (0.020 in. O/S).....	4	4	4	4
3	301190	Piston Rod.....	4	4	..	..
3	324052	Piston Rod.....	..	..	4	4
4	289344	Bolt.....	2	2	2	2
5	1330450	Nut	2	2	2	2
6	169964	Bearing (Standard).....	8	8	8	8
6	169966	Bearing (0.002 in. U/S)	8	8	8	8
6	169752	Bearing (0.020 in. U/S)	8	8	8	8
6	169965	Bearing (0.001 in. U/S)	8	8	8	8
6	169967	Bearing (0.010 in. U/S)	8	8	8	8
7	1331335	Bearing (Standard).....	4	4	4	4
7	1331336	Bearing (0.001 in. U/S)	4	4	4	4
7	149814	Bearing (0.010 in. U/S)	4	4	4	4
7	149816	Bearing (0.030 in. U/S)	4	4	4	4
7	160602	Bearing (0.020 in. U/S)	4	4	4	4
8	1331325	Bearing (0.001 in. U/S)	1	1	1	1
8	149805	Bearing (Standard).....	1	1	1	1
9	1455601	Crankshaft.....	1	1	..	..
9	1467583	Crankshaft.....	..	..	1	1
10	164022	Plug	1	1	1	1
11	1378558	Flywheel (☞ Figure 2-53)	1	1	1	1
12	265509	Gear	1	1	1	1
13	388321	Gasket.....	1	1	1	1
14	189609	Cover.....	1	1	1	1
15	1374107	Seal (Front)	2	2	2	2
16	169942	Damper.....	1	1	1	1
17	7882	Key	1	1	1	1
18	148827	Nozzle	1	1	1	1
19	244903	Cap.....	4	4	4	4
20	159973	Bolt	10	10	10	10
21	164023	Stud.....	1	1	1	1
22	375601	Pin	1	1	1	1
23	375572	Retainer Assembly	1	1	1	1
24	388364	Stud.....	2	2	2	2
25	1335228	Seal.....	..	..	1	1
25	375555	Seal.....	1	1	..	..

CRANKSHAFT AND PISTON GASOLINE AND LPG 3.0L 1998 THRU 2001 ENGINE

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
26	1358150	Bolt	..	..	1	1
26	1375953	Bolt	1	1	..	..
27	1330459	Bolt	2	2	2	2
28	1335212	Gasket	1	1	..	1
28	1500884	Gasket	..	..	1	1
29	1374108	Bolt	..	..	12	12
29	370169	Screw	8	8	..	..
	1393427	Block (Includes Items 1-8, 10, 18-20)	1	1	1	1

[illegible]

CYLINDER HEAD (Figure 2-60) GASOLINE AND LPG 3.0L 1998 AND 1999 SERIES ENGINE



HP090509

CYLINDER HEAD GASOLINE AND LPG 3.0L 1998 AND 1999 SERIES ENGINE

KEY:**A: A: 8RS 1998 Series Engine****B: B: 9RS 1999 Series Engine**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1453580	Engine (3.0L 8RS 1998 Series Engine).....	1	..
	1459493	Engine (3.0L 9RS 1999 Series Engine).....	..	1
1	1378317	Cylinder Head.....	1	1
2	244909	Valve (Standard).....	4	4
2	149864	Valve (0.003 in. O/S).....	4	4
2	244910	Valve (0.015 in. O/S).....	4	4
2	244911	Valve (0.030 in. O/S).....	4	4
3	381250	Valve (Standard).....	4	4
3	381270	Valve (0.003 in. O/S).....	4	4
3	381271	Valve (0.015 in. O/S).....	4	4
4	149868	Cap.....	8	8
5	145172	Spring (Valve).....	8	8
6	1377110	Key (Valve)	16	16
7	145173	Seal (Valve)	8	8
8	314539	Oil Shield	8	8
9	149857	Stud.....	8	8
9	a 149858	Stud.....	8	8
10	149867	Rotator.....	4	4
11	160361	Plug	2	2
12	1331343	Gasket	1	1
13	149977	Bolt	10	10
14	1331344	Cover	1	1
15	1335825	Clip	1	1
16	388323	Gasket	1	1
17	1375954	Nut.....	8	8
18	149889	Stud.....	2	2
19	1335219	Washer	6	6
20	1331349	Bolt	6	6
21	254686	Stud.....	1	1
22	244922	Manifold.....	1	1
23	244925	Exhaust Manifold Valve (Thermostat).....	1	1
24	1330772	Gasket	1	1
25	271949	Manifold.....	1	1
26	160377	Spring.....	1	1
27	1300295	Stud.....	2	2
28	149888	Clamp.....	4	4
29	1354046	Gasket	1	1
30	263839	Valve Lifter.....	8	8
31	1354047	Rod Assembly	8	8
32	245202	Rocker Arm	8	8
33	189614	Ball	8	8
34	301195	Nut.....	8	8
35	1376789	Grommet	1	1
36	1374108	Bolt	4	4
37	149978	Retainer.....	5	5

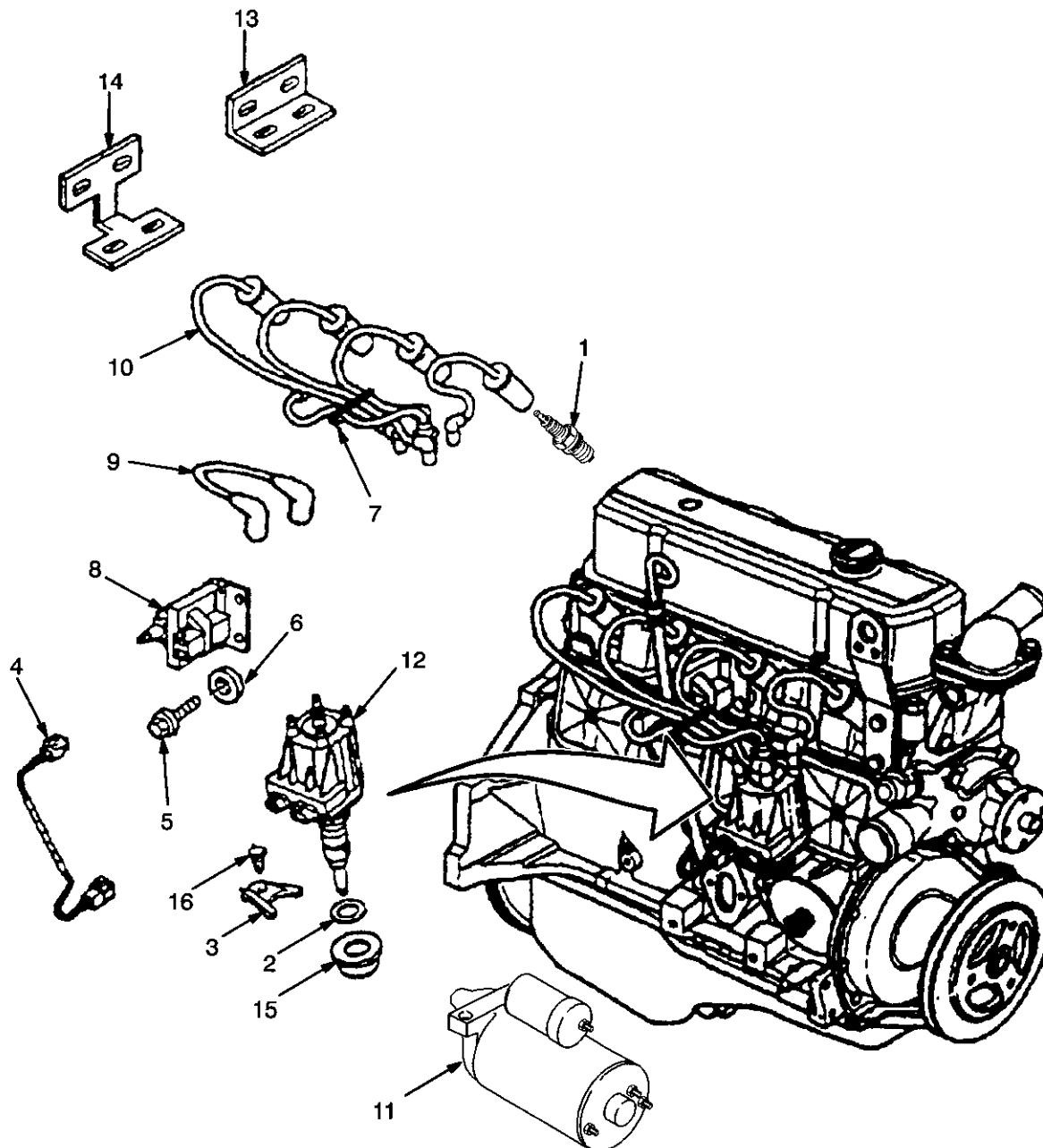
**CYLINDER HEAD
GASOLINE AND LPG 3.0L
1998 AND 1999 SERIES ENGINE**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
38	321734	Valve.....	1	1
39	164050	Grommet	1	1
40	379407	Fitting.....	1	1

FOOTNOTES:**a** Optional

[illegible]

ELECTRICAL (Figure 2-61) GASOLINE AND LPG 3.0L 1998 AND 1999 SERIES ENGINE



HP090511

ELECTRICAL **GASOLINE AND LPG 3.0L** **1998 AND 1999 SERIES ENGINE**

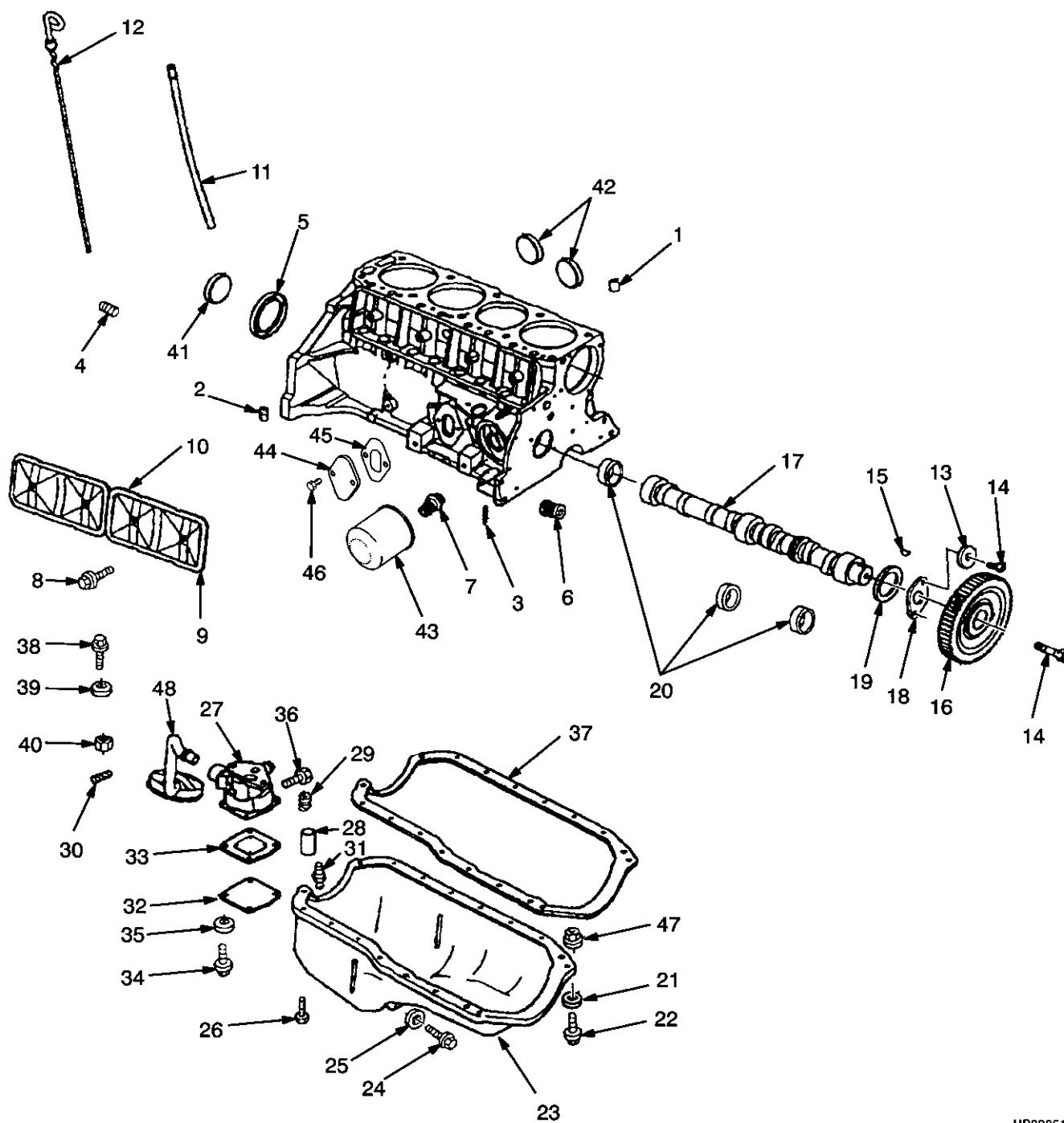
KEY:**A: 8RS 1998 Series Engine****B: 9RS 1999 Series Engine**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1453580	Engine (3.0L 8RS 1998 Series Engine).....	1	..
	1459493	Engine (3.0L 9RS 1999 Series Engine).....	..	1
1	281844	Spark Plug.....	4	4
2	1330467	Gasket	1	1
3	274247	Clamp	1	1
4	1331329	Wire Assembly	1	1
5	1455602	Bolt	2	2
6	15134	Washer	2	2
7	1335828	Retainer.....	1	1
8	1331331	Ignition Coil.....	1	1
9	1337665	Cable	1	..
9	1461082	Wire Assembly	..	1
10	1337666	Wire Harness	1	..
10	1461083	Wire Harness	..	1
11	1391321	Starter	1	1
12	1331330	Distributor (☞ Figure 4-52)	1	1
13	1378318	Bracket (Top)	1	1
14	1378319	Bracket (Bottom).....	1	1
15	159974	Washer	1	1
16	1331349	Bolt	1	1
	1393427	Block (Includes Item 15)	1	1

CAMSHAFT AND OIL PAN (Figure 2-62)

GASOLINE AND LPG 3.0L

1998 AND 1999 SERIES ENGINE



HP090514

CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 1998 AND 1999 SERIES ENGINE

KEY:**A: 8RS 1998 Series Engine****B: 9RS 1999 Series Engine**

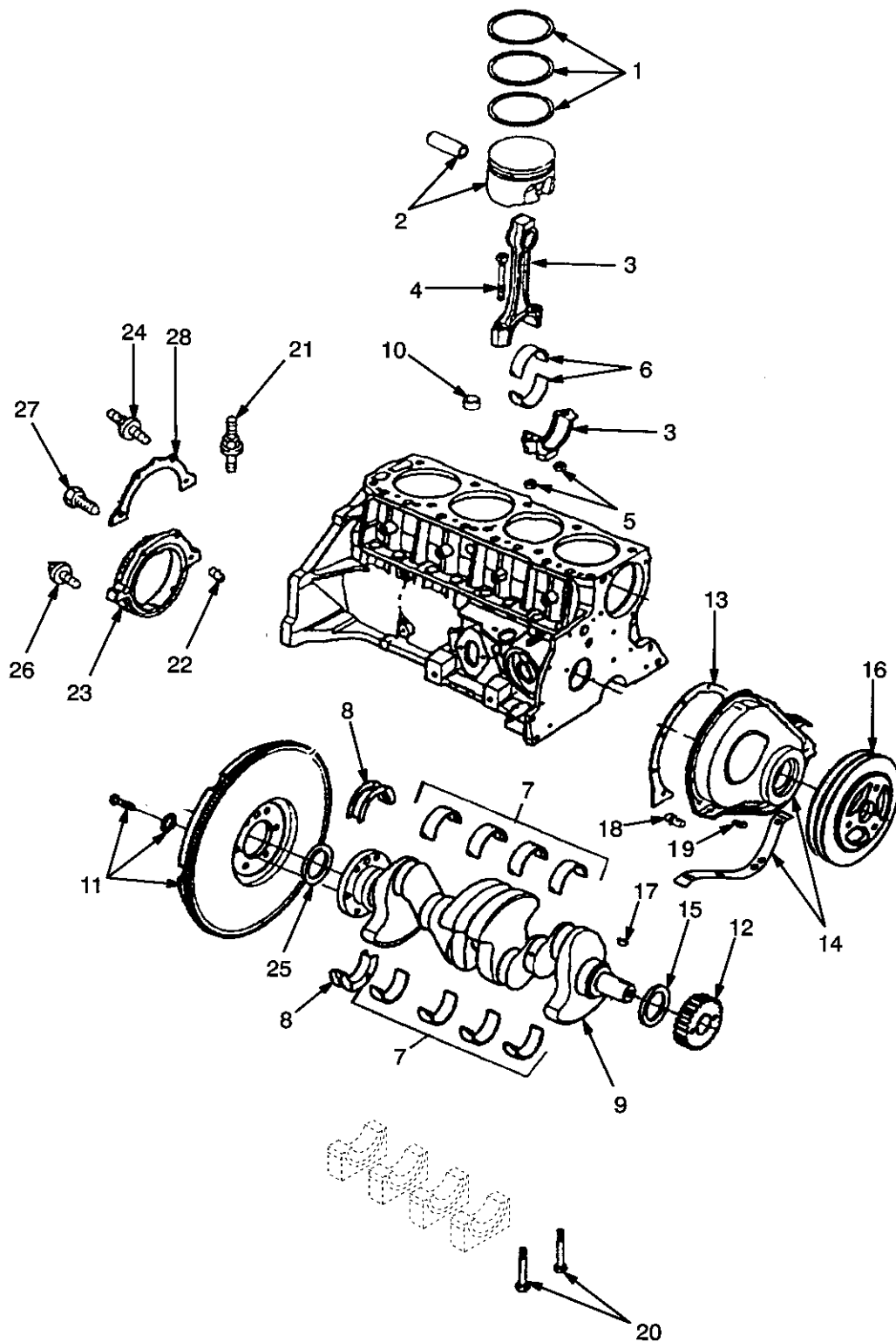
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1453580	Engine (3.0L 8RS 1998 Series Engine).....	1	..
	1459493	Engine (3.0L 9RS 1999 Series Engine).....	..	1
1	1354814	Bearing.....	1	1
2	1331341	Plug.....	1	1
3	159977	Pin.....	8	8
4	1335499	Pin.....	2	2
5	164017	Plug.....	1	1
6	1375952	Valve.....	1	1
7	159942	Fitting.....	1	1
8	277450	Stud.....	4	4
9	244933	Cover.....	1	1
10	1457062	Sealant.....	AR	AR
11	1458089	Tube.....	1	1
12	1335222	Dipstick.....	1	1
13	15923	Lockwasher.....	2	2
14	133469	Capscrew.....	3	3
15	7882	Key.....	1	1
16	149898	Gear.....	1	1
17	1362070	Camshaft.....	1	1
18	1356838	Bearing.....	1	1
19	1324006	Ring.....	1	1
20	149819	Bearing.....	3	3
21	15154	Lockwasher.....	14	14
22	1376876	Bolt.....	14	14
23	1360759	Pan.....	1	1
24	308624	Screw.....	1	1
25	388305	Gasket.....	1	1
26	16374	Capscrew.....	2	2
27	1312813	Pump.....	1	1
28	145176	Valve.....	1	1
29	145177	Spring.....	1	1
30	1330453	Pin.....	1	1
31	177563	Plug.....	1	1
32	149846	Cover.....	1	1
33	149847	Gasket.....	1	1
34	16709	Screw.....	4	4
35	15154	Lockwasher.....	4	4
36	221453	Capscrew.....	3	3
37	1330452	Gasket.....	1	1
38	221420	Capscrew.....	1	1
39	388316	Washer.....	1	1
40	145641	Nut.....	1	1
41	169719	Plug.....	1	1
42	169718	Plug.....	2	2
43	127644	Filter.....	1	1

CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 1998 AND 1999 SERIES ENGINE

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
44	145949	Cover.....	1	1
45	149934	Gasket.....	1	1
46	199566	Capscrew	2	2
47	15055	Nut.....	2	2
48	253991	Screen.....	1	1
	1393427	Block (Includes Items 1-6, 20, 41-42)	1	1

[illegible]

CRANKSHAFT AND PISTON (Figure 2-63) GASOLINE AND LPG 3.0L 2002-2004 SERIES ENGINE



HP090714

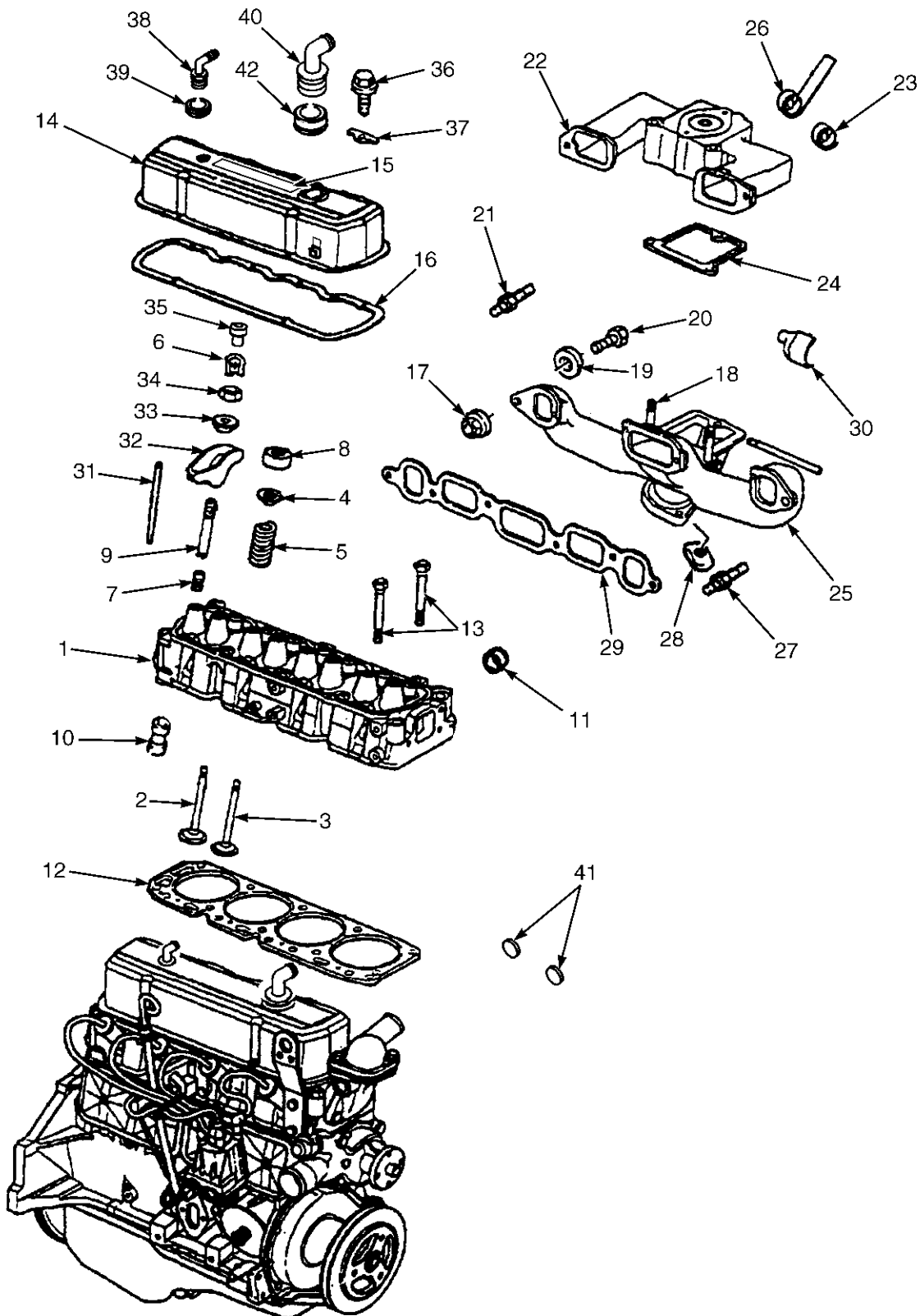
CRANKSHAFT AND PISTON GASOLINE AND LPG 3.0L 2002-2004 SERIES ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
	1506841	Engine (3.0L 2002 Series Engine).....	1
	1524201	Engine (3.0L 2003 Series Engine).....	1
b	1528527	Engine (3.0L 2003 Series Engine) (With Serpentine Belt)	1
c	1538871	Engine (3.0L 2004 Series Engine) (With Serpentine Belt)	1
1	306774	Piston Ring Set (Standard).....	4
1	1504424	Piston Ring Set (0.020 in. O/S).....	4
2	304619	Piston (Standard)	4
2	304620	Piston (0.020 in. O/S).....	4
3	324052	Piston Rod.....	4
4	289344	Bolt.....	8
5	1330450	Nut	8
6	1467581	Bearing (Standard).....	4
6	1467582	Bearing (0.001 in. O/S)	4
7	1331335	Bearing (Standard).....	4
7	1331336	Bearing (0.001 in. U/S)	4
7	149814	Bearing (0.010 in. U/S)	4
7	149816	Bearing (0.030 in. U/S)	4
7	160602	Bearing (0.020 in. U/S)	4
8	1331325	Bearing (0.001 in. U/S)	1
8	149805	Bearing (Standard).....	1
9	1467583	Crankshaft.....	1
10	164022	Plug.....	1
11	1378558	Flywheel (☞ Figure 2-53)	1
12	265509	Gear	1
13	388321	Gasket.....	1
14	a 189609	Cover.....	1
15	1374107	Seal (Front)	2
16	159991	Damper.....	1
17	7882	Key	1
18	148827	Nozzle	1
19	1374108	Bolt	12
20	159973	Bolt	10
21	164023	Stud.....	1
22	375601	Pin	1
23	375572	Retainer Assembly	1
24	388364	Stud.....	2
25	1335228	Seal.....	1
26	1375953	Bolt	1
27	1330459	Bolt	2
28	1500884	Gasket.....	1
	1393427	Block (Includes Items 1-10, 18, 20)	1
	1472696	Block (Engine 1538871) (Includes Items 1-10, 18, 20).....	1

FOOTNOTES:

- a** Use Sealer 1451264
b ⇒ S/N H177B-43851A
c S/N H177B-43852A ⇒

CYLINDER HEAD (Figure 2-64) GASOLINE AND LPG 3.0L 2000 THRU 2004 SERIES ENGINE



HP090566

CYLINDER HEAD GASOLINE AND LPG 3.0L 2000 THRU 2004 SERIES ENGINE

KEY:**A: 0RS 2000 Series Engine****B: 1RS 2001 Series Engine****C: 2RS 2002 Series Engine****D: 4RS 2003, 2004 Series Engine**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
	1465390	Engine (3.0L 0RS 2000 Series Engine).....	1	..	..	..
	1484444	Engine (3.0L 1RS 2001 Series Engine).....	..	1	..	..
	1506841	Engine (3.0L 2002 Series Engine).....	..	..	1	..
	1524201	Engine (3.0L 2003 Series Engine).....	..	..	..	1
	b 1528527	Engine (3.0L 2003 Series Engine) (With Serpentine Belt)	..	..	..	1
	c 1538871	Engine (3.0L 2004 Series Engine) (With Serpentine Belt)	..	..	..	1
1	1378317	Cylinder Head.....	1	1	1	1
2	149864	Valve (0.003 in. O/S) (Inlet).....	4	4	4	4
2	244909	Valve (Standard) (Inlet)	4	4	4	4
2	244910	Valve (0.015 in. O/S) (Inlet).....	4	4	4	4
2	244911	Valve (0.030 in. O/S) (Inlet).....	4	4	4	4
3	381250	Valve (Standard) (Exhaust)	4	4	4	4
3	381270	Valve (0.003 in. O/S) (Exhaust).....	4	4	4	4
3	381271	Valve (0.015 in. O/S) (Exhaust).....	4	4	4	4
4	149868	Cap.....	8	8	8	8
5	145172	Spring (Valve).....	8	8	8	8
6	1377110	Key (Valve)	16	16	16	16
7	145173	Seal (Valve)	8	8	8	8
8	314539	Oil Shield	8	8	8	8
9	149857	Stud.....	8	8	8	8
9	a 149858	Stud.....	8	8	8	8
10	263839	Valve Lifter.....	8	8	8	8
11	160361	Plug	2	2	2	2
12	1331343	Gasket.....	1	1	1	1
13	149977	Bolt	10	10	10	10
14	1331344	Cover.....	1	1	1	1
15	2056032	Label.....	..	1	..	..
15	8513873	Label.....	..	..	1	..
15	8519026	Label.....	..	..	..	1
16	388323	Gasket.....	1	1	1	1
17	1375954	Nut.....	8	8	8	8
18	254686	Stud.....	2	2	2	2
19	1335219	Washer	6	6	..	6
19	15156	Lockwasher	..	..	2	2
20	1331349	Bolt	6	6	..	9
20	16815	Capscrew	..	..	2	3
21	254686	Stud.....	1	1	1	1
22	244922	Manifold.....	1	1	1	1
23	244925	Exhaust Manifold Valve (Thermostat).....	1	1	1	1
24	1330772	Gasket.....	1	1	1	1
25	271949	Manifold.....	1	1	..	..
25	1500880	Manifold.....	..	..	1	1
26	160377	Spring.....	1	1	1	1

CYLINDER HEAD GASOLINE AND LPG 3.0L 2000 THRU 2004 SERIES ENGINE

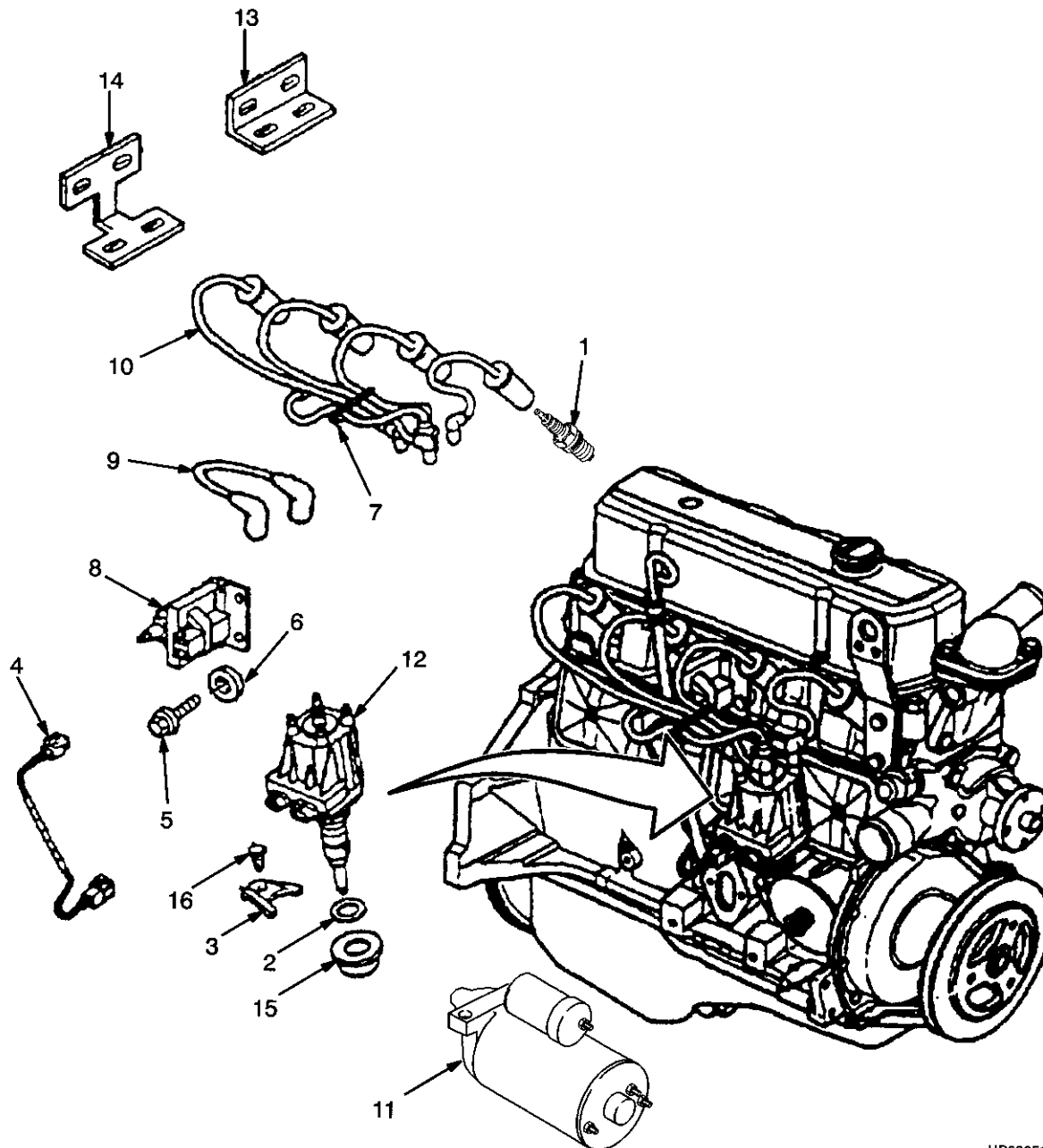
ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
27	1300295	Stud	2	2	2	2
27	1559959	Stud (EPA Compliant Engine)	..	..	..	2
28	149888	Clamp	4	4	4	4
29	1354046	Gasket	1	1	..	..
29	1507692	Gasket	..	..	1	1
30	160376	Bushing	2	2	2	2
31	1354047	Rod Assembly	8	8	8	8
32	245202	Rocker Arm	8	8	8	8
33	189614	Ball	8	8	8	8
34	301195	Nut	8	8	8	8
35	149867	Rotator	..	..	..	4
36	370169	Screw	6	6	6	6
37	149978	Retainer	6	6	6	6
38	321734	Valve	1	1	1	1
39	164050	Grommet	1	1	1	1
40	379407	Fitting	1	1	1	1
41	159971	Plug	2	2	2	2
42	1376789	Grommet	1	1	1	1

FOOTNOTES:

- a** Optional
b ⇒ S/N H177B-43851A
c S/N H177B-43852A ⇒

[illegible]

ELECTRICAL (Figure 2-65) GASOLINE AND LPG 3.0L 2000 THRU 2004 SERIES ENGINE



HP090512

ELECTRICAL

GASOLINE AND LPG 3.0L

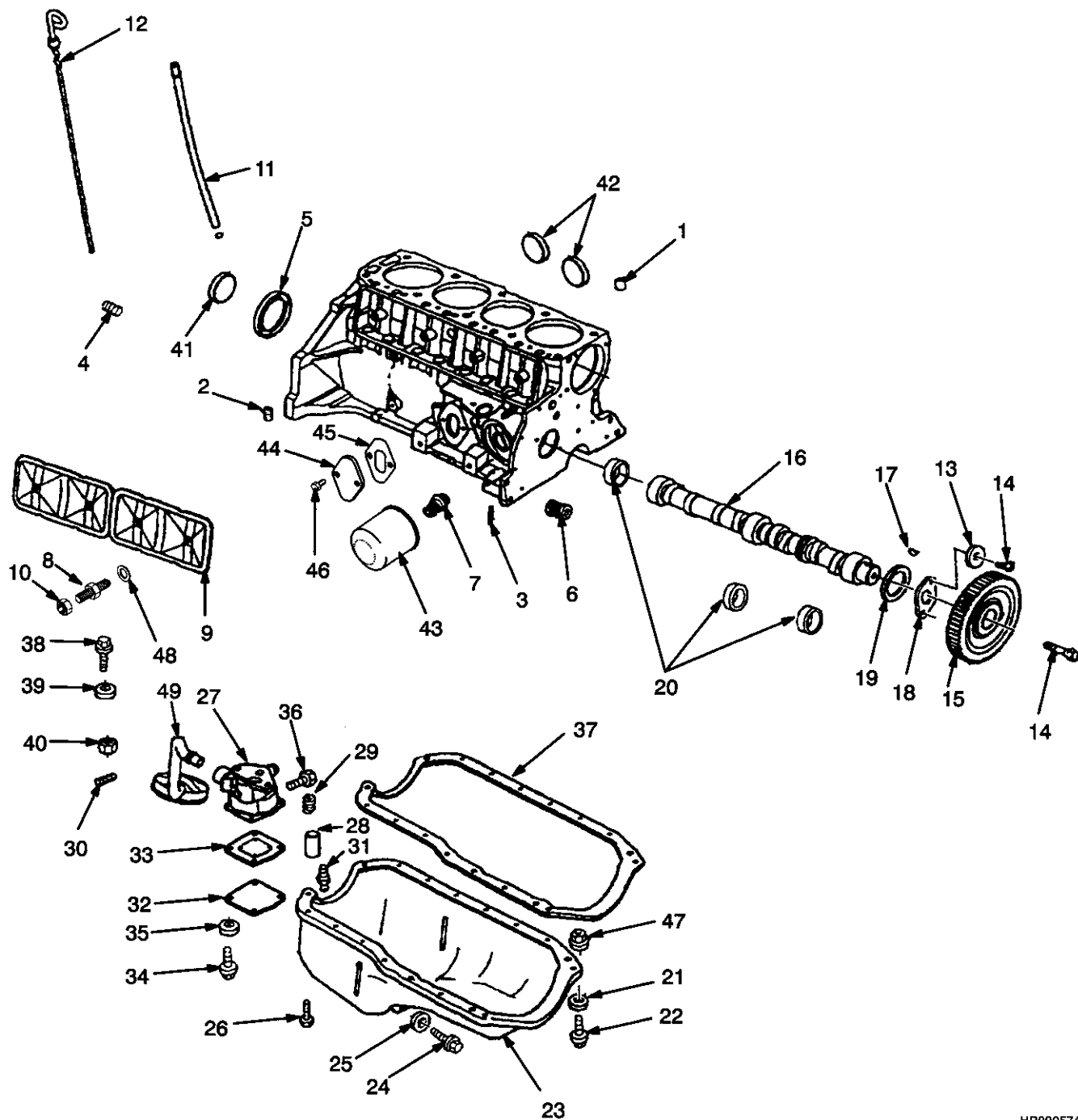
2000 THRU 2004 SERIES ENGINE

KEY:**A: 0RS 2000 Series Engine****B: 1RS 2001 Series Engine****C: 2RS 2002-2004 Series Engine**

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
	1465390	Engine (3.0L 0RS 2000 Series Engine).....	1	..	..
	1484444	Engine (3.0L 1RS 2001 Series Engine).....	..	1	..
	1506841	Engine (3.0L 2002 Series Engine).....	..	..	1
	1524201	Engine (3.0L 2003 Series Engine).....	..	..	1
	a 1528527	Engine (3.0L 2003 Series Engine) (With Serpentine Belt)	..	..	1
	b 1538871	Engine (3.0L 2004 Series Engine) (With Serpentine Belt)	..	..	1
1	388361	Spark Plug.....	4	4	4
2	1330467	Gasket.....	1	1	1
3	274247	Clamp.....	1	1	1
4	2049385	Wire Harness (Distributor to Coil)	1	1	..
4	1331329	Wire Assembly (Ignition Coil)	..	..	1
5	1455602	Bolt.....	2	2	2
6	15134	Washer.....	2	2	2
7	1335828	Retainer.....	1	1	1
8	1331331	Ignition Coil.....	1	1	1
9	1461082	Wire Assembly	1	1	1
10	1461083	Wire Harness	1	1	1
11	1486530	Starter	1	1	1
11	1469603	Starter	..	..	1
12	1331330	Distributor (☞ Figure 4-52)	1	1	1
13	1378318	Bracket (Top)	1	1	1
14	1378319	Bracket (Bottom).....	1	1	1
15	159974	Washer.....	1	1	1
16	1331349	Bolt.....	1	1	1
	1393427	Block (Includes Item 15)	1	1	1

FOOTNOTES:**a** ⇒ S/N H177B-43851A**b** S/N H177B-43852A ⇒

CAMSHAFT AND OIL PAN (Figure 2-66) GASOLINE AND LPG 3.0L 2000 AND 2001 SERIES ENGINE



HP090574

CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 2000 AND 2001 SERIES ENGINE

KEY:**A: 0RS 2000 Series Engine****B: 1RS 2001 Series Engine**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1465390	Engine (3.0L 0RS 2000 Series Engine).....	1	..
	1484444	Engine (3.0L 1RS 2001 Series Engine).....	..	1
1	1354814	Bearing.....	1	1
2	1331341	Plug.....	1	1
3	159977	Pin.....	8	8
4	1335499	Pin.....	2	2
5	1374313	Plug.....	1	1
6	1375952	Valve.....	1	1
7	159942	Fitting.....	1	1
8	277450	Stud.....	1	1
9	244933	Cover.....	1	..
9	1500885	Cover.....	..	1
10	1458091	Nut.....	1	1
11	1458089	Tube.....	1	1
12	1335222	Dipstick.....	1	1
13	15923	Lockwasher.....	2	2
14	133469	Capscrew.....	3	3
15	149898	Gear.....	1	1
16	1362070	Camshaft.....	1	1
17	7882	Key.....	2	2
18	1356838	Bearing.....	1	1
19	1324006	Ring.....	1	1
20	149819	Bearing.....	3	3
21	15154	Lockwasher.....	AR	AR
22	1374108	Bolt.....	AR	AR
23	1360759	Pan.....	1	1
24	308624	Screw.....	1	1
25	388305	Gasket.....	1	1
26	16378	Capscrew.....	2	2
27	1312813	Pump.....	1	1
27	253991	Screen.....	1	1
28	145176	Valve.....	1	1
29	145177	Spring.....	1	1
30	1330453	Pin.....	1	1
31	177563	Plug.....	1	1
32	149846	Cover.....	1	1
33	149847	Gasket.....	1	1
34	16709	Screw.....	4	4
35	15154	Lockwasher.....	4	4
36	221453	Capscrew.....	3	3
37	1330452	Gasket.....	1	1
38	221420	Capscrew.....	1	1
39	388316	Washer.....	1	1
40	145641	Nut.....	1	1
41	159972	Plug.....	1	1

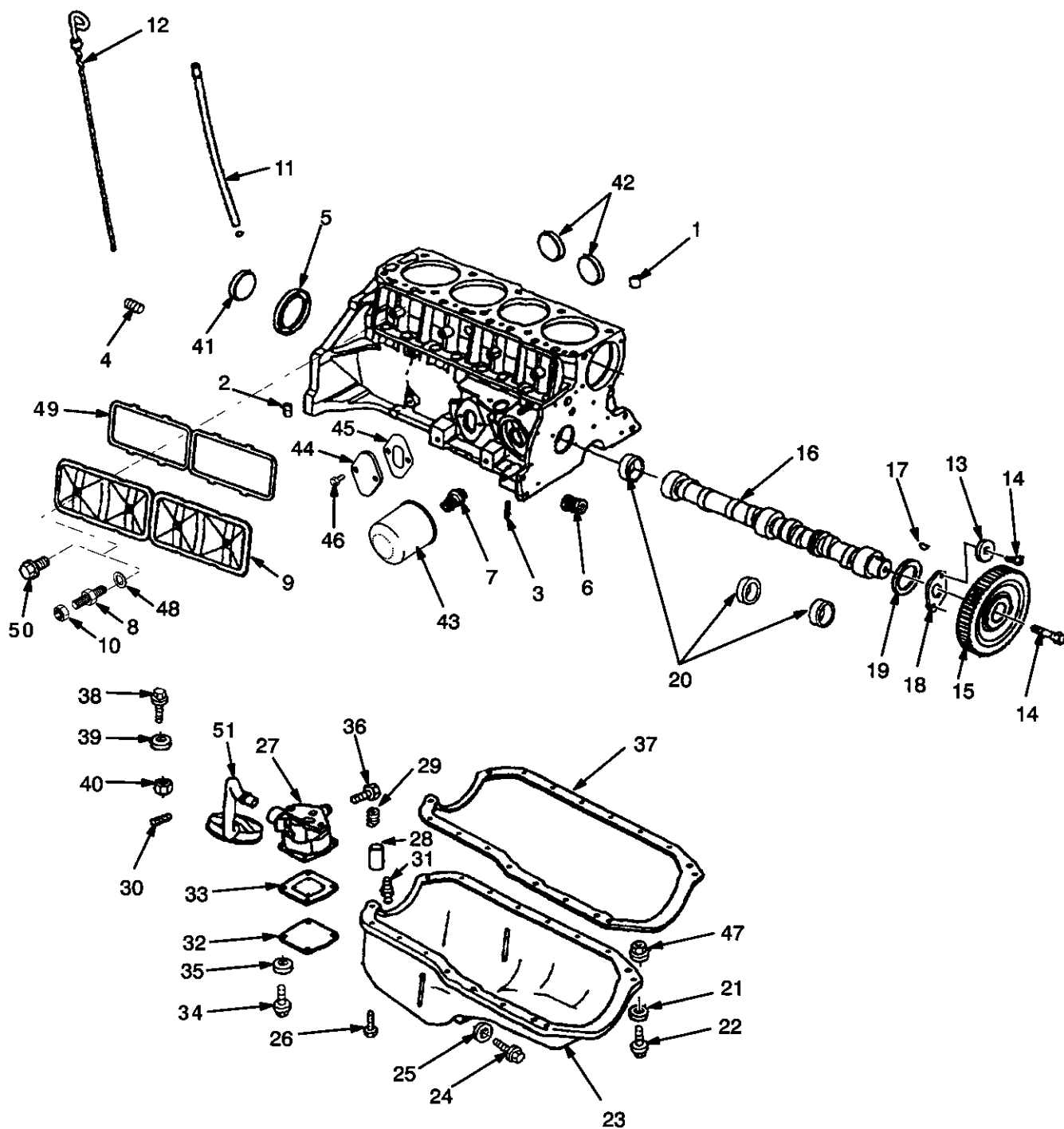
CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 2000 AND 2001 SERIES ENGINE

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
42	169718	Plug	2	2
43	127644	Filter	1	1
44	145949	Cover	1	1
45	149934	Gasket	1	1
46	199566	Capscrew	2	2
47	375584	Nut	2	2
48	1467580	Washer	3	3
49	253991	Screen	1	1
	1393427	Block (Includes Items 1-4, 6, 20, 42)	1	1

[illegible]

CAMSHAFT AND OIL PAN (Figure 2-67)

GASOLINE AND LPG 3.0L 2002-2004 SERIES ENGINE



HP090713

CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 2002-2004 SERIES ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
	1506841	Engine (3.0L 2002 Series Engine).....	1
	1524201	Engine (3.0L 2003 Series Engine).....	1
a	1528527	Engine (3.0L 2003 Series Engine) (With Serpentine Belt)	1
b	1538871	Engine (3.0L 2004 Series Engine) (With Serpentine Belt)	1
1	1354814	Bearing	1
2	1331341	Plug	1
3	159977	Pin	8
4	1335499	Pin	2
5	1374313	Plug	1
6	1375952	Valve.....	1
7	159942	Fitting.....	1
8	277450	Stud.....	1
9	1500885	Cover.....	1
10	1458091	Nut.....	1
11	1458089	Tube.....	1
12	1335222	Dipstick.....	1
13	15923	Lockwasher	2
14	1374108	Bolt	3
15	149898	Gear	1
16	1362070	Camshaft.....	1
17	7882	Key	2
18	1356838	Bearing.....	1
19	1324006	Ring.....	1
20	149819	Bearing.....	3
21	15154	Lockwasher	AR
22	1374108	Bolt	AR
23	1360759	Pan	1
24	308624	Screw	1
25	388305	Gasket.....	1
26	1374108	Bolt	12
26	16378	Capscrew	2
27	1312813	Pump.....	1
27	253991	Screen.....	1
28	145176	Valve	1
29	145177	Spring.....	1
30	1330453	Pin	1
31	177563	Plug.....	1
32	149846	Cover.....	1
33	149847	Gasket.....	1
34	16709	Screw	4
35	15154	Lockwasher	4
36	221453	Capscrew	3
37	1330452	Gasket.....	1
38	221420	Capscrew	1
39	388316	Washer	1
40	145641	Nut.....	1
41	159972	Plug	1
42	159971	Plug	2
43	2033682	Filter	1
44	145949	Cover.....	1

CAMSHAFT AND OIL PAN GASOLINE AND LPG 3.0L 2002-2004 SERIES ENGINE

ITEM	PART NO.	DESCRIPTION	QTY
45	149934	Gasket	1
46	199566	Capscrew	2
47	1360178	Nut.....	2
48	1467580	Washer	3
49	1457062	Sealant	AR
50	149976	Bolt	4
51	253991	Screen	1
	1393427	Block (Includes Items 1-6, 20, 41)	1

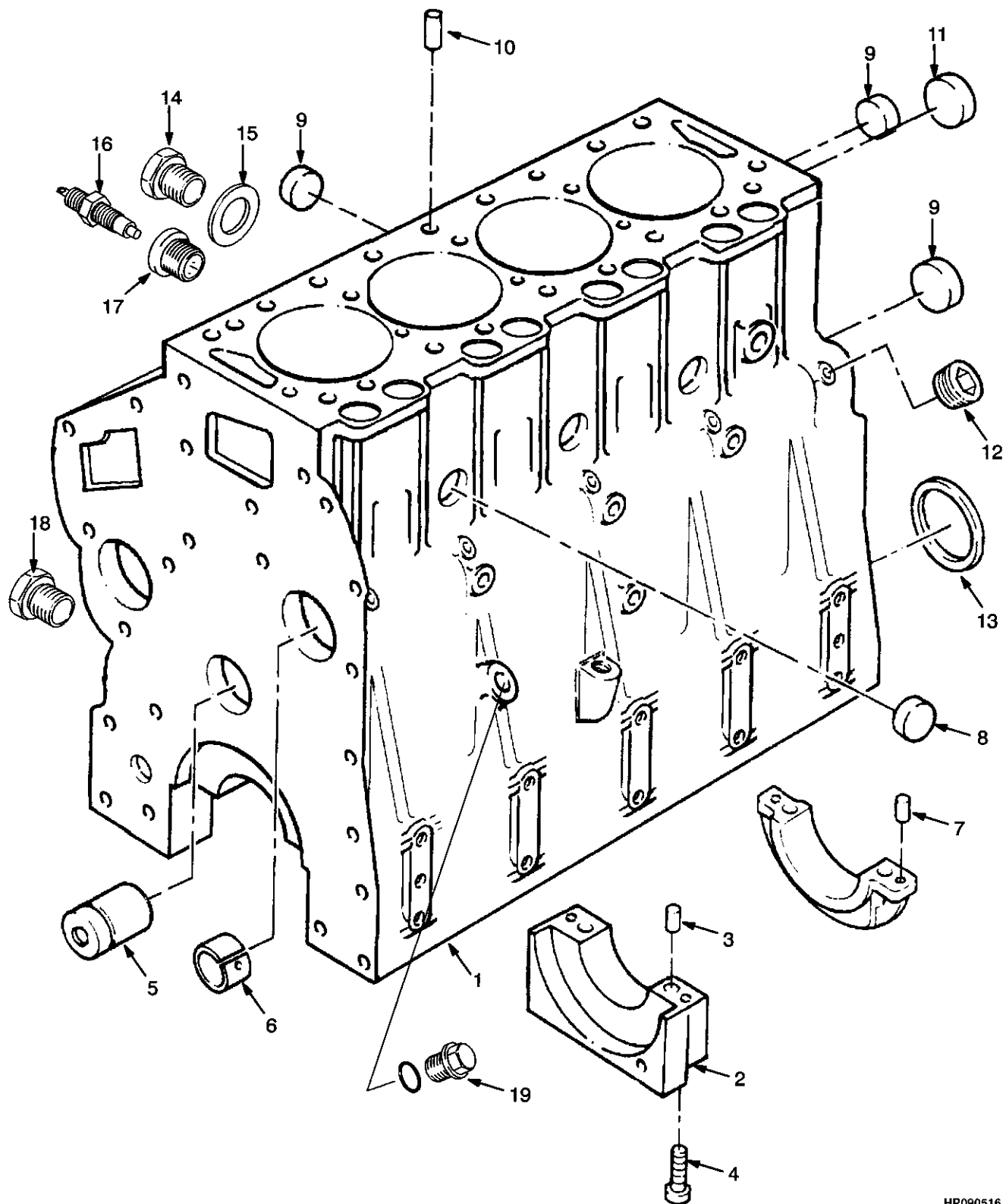
FOOTNOTES:

a ⇒ S/N H177B-43851A

b S/N H177B-43852A ⇒

[illegible]

CYLINDER BLOCK (Figure 2-68) DIESEL 2.6L



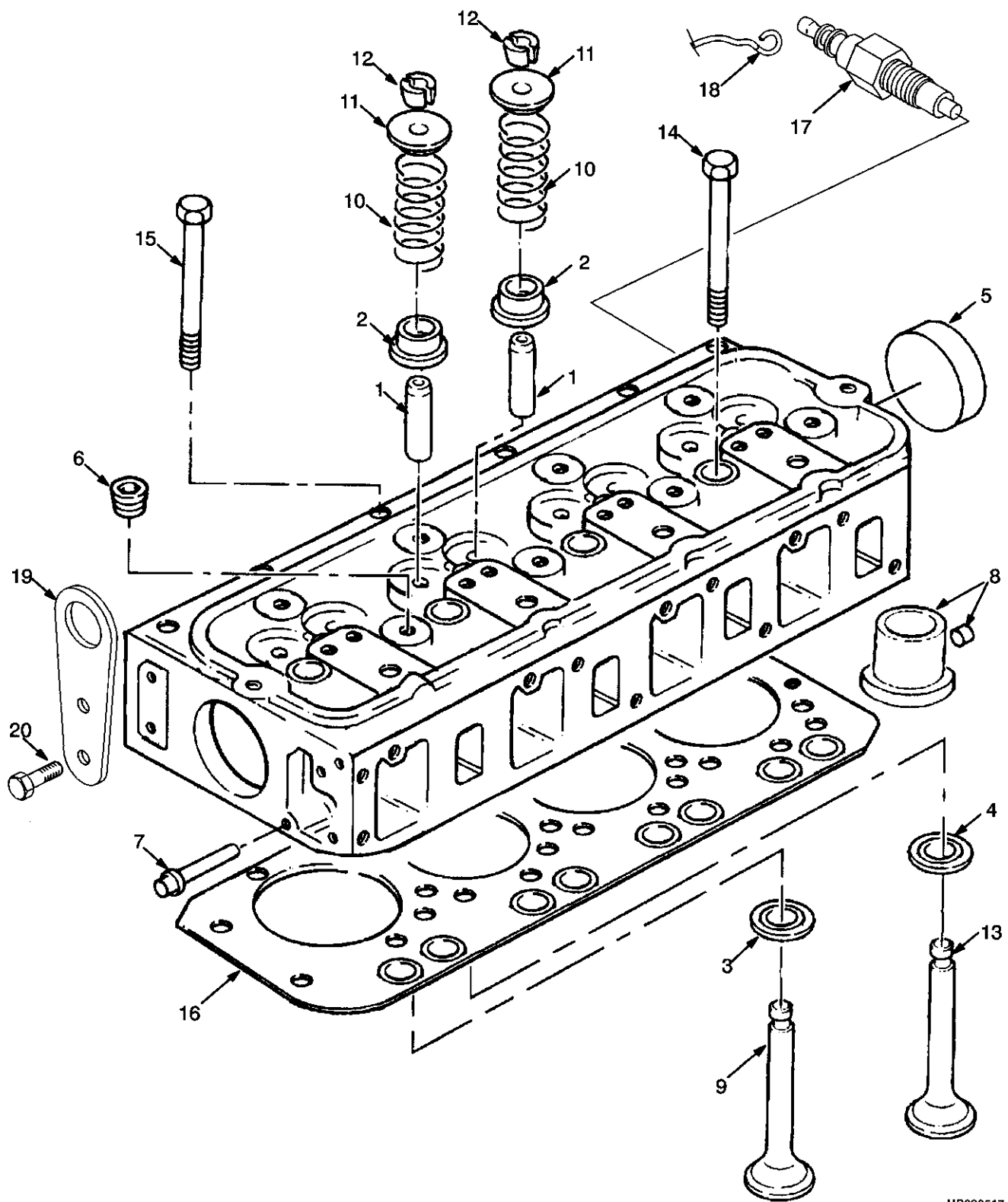
HP090516

**CYLINDER BLOCK
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1		Cylinder Block	1
2		Cap.....	1
3	1457409	Seal	2
4	1457410	Screw	10
5	1457413	Shaft.....	1
6	1457414	Camshaft Bushing	1
7	1457415	Seal	4
8	1457416	Plug	3
9	1388387	Plug	6
10	1457446	Pin	2
11	982155	Plug	10
12	385531	Plug	1
13	1457447	Seal	1
14	349378	Plug	1
15	361338	Washer	1
16	842863	Switch.....	1
17	1457911	Adaptor.....	1
18	245800	Plug	1
19	1377908	Plug	1
	1457408	Cylinder Block Kit (Includes Items 3-4, 7-9, 11-12)	1

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

CYLINDER HEAD (Figure 2-69) DIESEL 2.6L



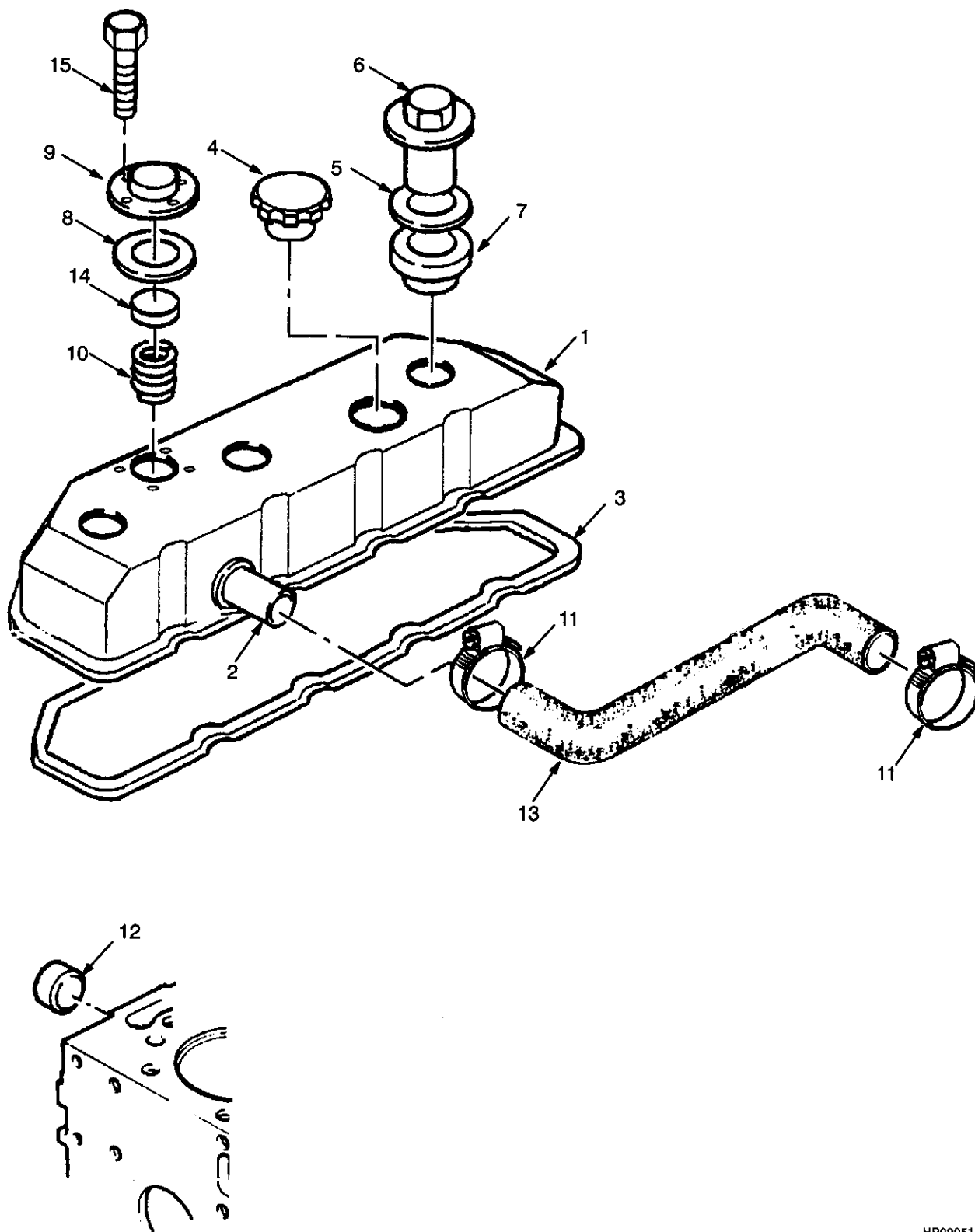
HP090517

**CYLINDER HEAD
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	b 1497828	Engine	1
	a 1453348	Engine	1
		Cylinder Head.....	1
	e 1555993	Engine	1
1	1457494	Guide	8
2	1457495	Seal.....	8
3	1457496	Insert.....	4
4	1457497	Insert.....	4
5	1388387	Plug.....	2
6	15962	Fitting	4
7	365854	Plug.....	1
8	1457498	Plug.....	4
9	1457499	Valve (Exhaust)	4
10	1457500	Spring.....	8
11	1457501	Cap	8
12	1457502	Pin.....	16
13	1457503	Valve (Inlet)	4
14	1457504	Screw	14
15	1457505	Screw	4
16	1457506	Gasket.....	1
17	c 1530956	Glow Plug	4
17	d 1461720	Glow Plug	4
18	1461721	Cable	4
19	1457905	Plate	2
20	1307881	Screw	4
	1457493	Cylinder Head Kit (Includes Items 1-16)	1
	1493165	Gasket Kit (Includes Items 2, 16).....	1

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** ⇒ S/N U811075**d** S/N U811076 ⇒**e** S/N PENDING PER ECN 74454 ⇒

VALVE COVER (Figure 2-70) DIESEL 2.6L



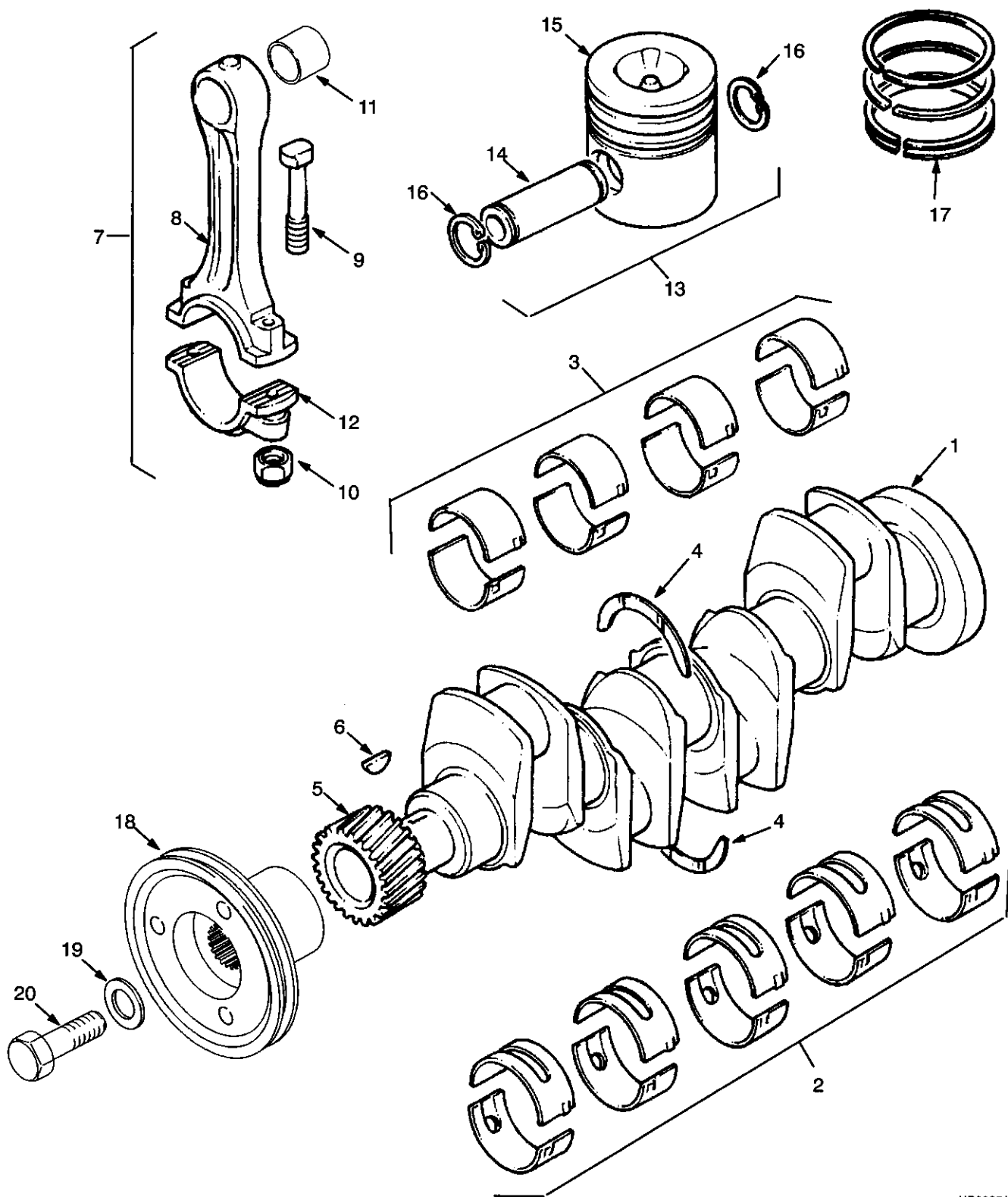
HP090518

**VALVE COVER
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	1457811	Cover	1
2		Pipe	1
3	1457819	Gasket	1
4	1457821	Cap	1
5	15125	Washer	3
6	1457820	Nut	3
7	1380245	Seal	3
8	1457823	Seal	1
9	1457822	Cover	1
10	1457825	Spring	1
11	130845	Clamp	2
12	15304	Fitting	2
13	1457827	Hose	1
14	1457824	Plate	1
15	1457826	Screw	4

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

CRANKSHAFT AND PISTONS (Figure 2-71) DIESEL 2.6L



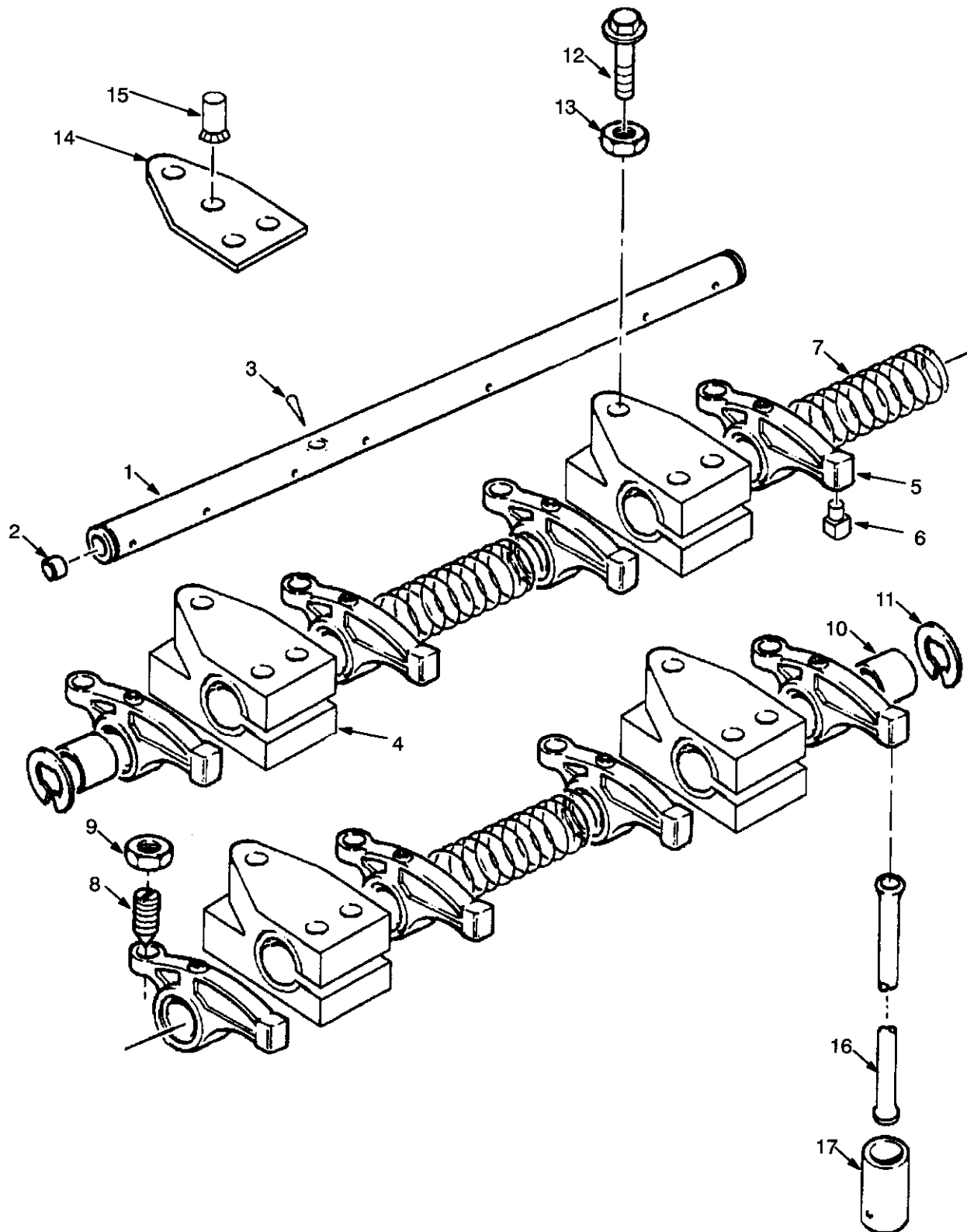
HP090519

**CRANKSHAFT AND PISTONS
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	b 1497828	Engine	1
	a 1453348	Engine	1
	c 1555993	Engine	1
1		Crankshaft	1
2	1457449	Bearing Set (Main)	1
2	1457450	Bearing Set (0,25 mm)	1
2	1457451	Bearing Set (0,50 mm)	1
2	1457452	Bearing Set (0,75 mm)	1
3	1457453	Rod Bearing Set	1
3	1457454	Rod Bearing Set (0,25 mm)	1
3	1457478	Rod Bearing Set (0,50 mm)	1
3	1457479	Rod Bearing Set (0,75 mm)	1
4	1457480	Washer	1
4	1457481	Washer (0,20 mm)	1
5	1457482	Gear	1
6	99610	Key	1
7		Rod Assembly	4
8		Rod	1
9	1457484	Bolt	2
10	1457485	Nut	2
11	1457486	Bushing	1
12		Cap	1
13	1457487	Piston Assembly	4
13	1457488	Piston Assembly (0,50 mm)	4
14		Pin	1
15		Piston	1
16	1457489	Ring	2
17	1457490	Piston Ring Kit	4
17	1457491	Piston Ring Kit (Oversize)	4
18	1457844	Pulley	1
19	1457846	Washer	1
20	1457845	Screw	1
	1457448	Crankshaft Kit (Includes Items 1-6)	1
	1460210	Rod Kit (Grade A and B) (Includes Item 7)	1
	1460211	Rod Kit (Grade C and D) (Includes Item 7)	1
	1460212	Rod Kit (Grade E and F) (Includes Item 7)	1
	1507759	Shaft Repair Kit (Includes Item 1)	1

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

ROCKER SHAFT (Figure 2-72) DIESEL 2.6L



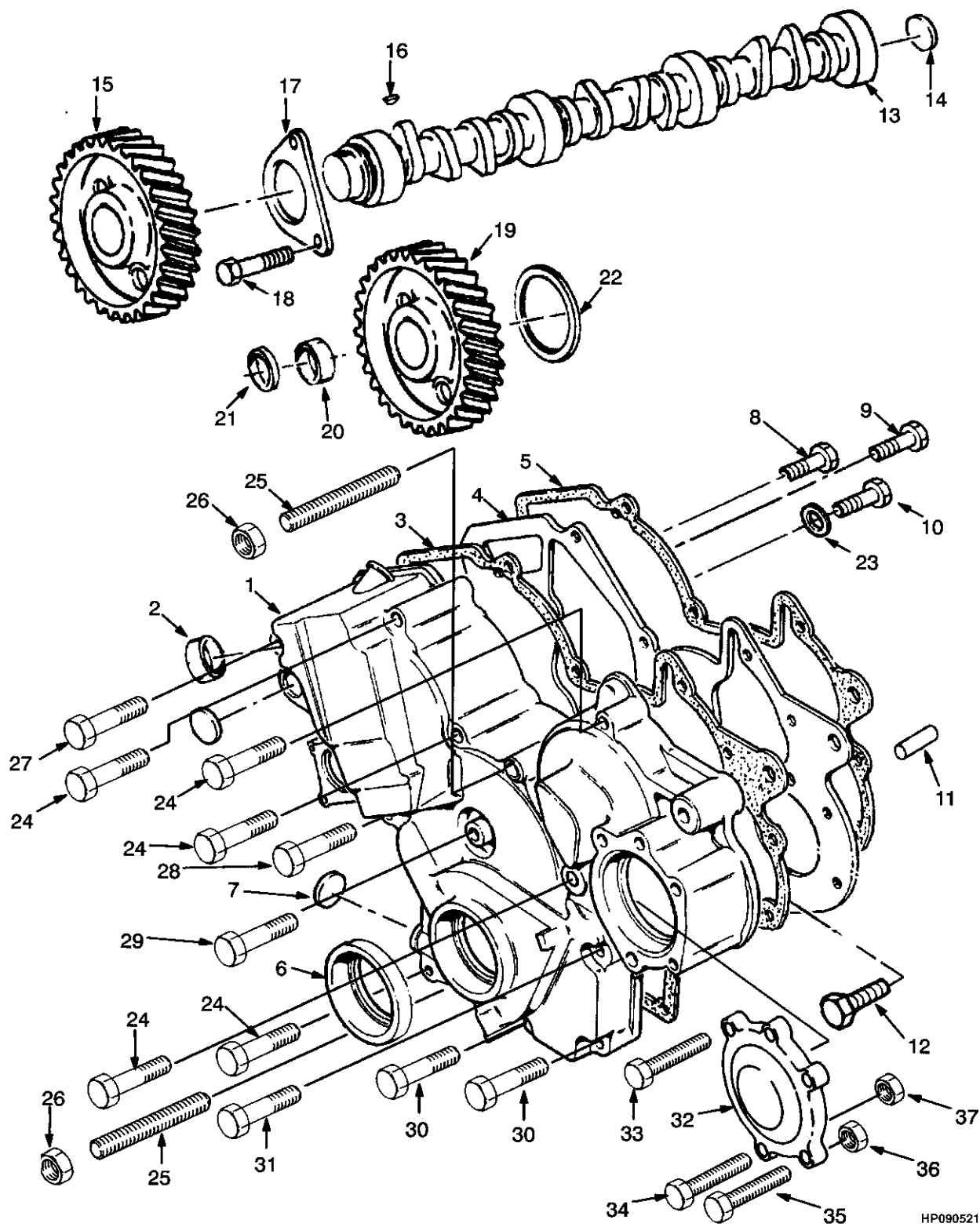
HP090520

**ROCKER SHAFT
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	1457508	Rocker Arm Assembly	1
	c 1555993	Engine	1
1	1457509	Shaft.....	1
2	158017	Plug.....	2
3	1457510	Pin.....	1
4	1457511	Bracket	2
5	1457512	Lever	8
6		Pad	1
7	1457513	Spring.....	3
8	1457514	Screw	8
9	1307887	Nut	8
10	1457515	Spacer.....	2
11	385599	Ring.....	2
12	1457517	Screw	8
13	1306359	Nut.....	4
14	1457518	Plate	3
15		Stud.....	1
16	1457520	Rod.....	8
17	1457521	Tappet.....	8

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

TIMING GEAR AND CAMSHAFT (Figure 2-73) DIESEL 2.6L



HP090521

**TIMING GEAR AND CAMSHAFT
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	a 1457646	Cover	1
1	b 1487623	Cover	1
2	1457647	Sleeve	2
3	a 1457648	Gasket	1
3	b 1487626	Gasket	1
4	a 1457649	Plate	1
4	b 1487625	Plate	1
5	1457650	Gasket	1
6	1457651	Seal	1
7	a 1306182	Plug	2
7	b 1487624	Plug	2
8	386459	Screw	2
9	1306362	Screw	3
10	1307909	Screw	1
11	a 1457653	Pin	2
11	b 1494684	Pin	2
12	a 1307881	Screw	4
12	b 1507610	Screw	4
13	1457654	Camshaft Assembly	1
14	1457655	Plug	1
15	1457656	Gear	1
16	1457657	Key	1
17	1457658	Plate	1
18	1382546	Screw	2
19	1457659	Gear	1
20	1457660	Bushing	2
21	1457661	Washer	2
22	1457662	O-Ring	1
23	1315766	Washer	2
24	1306357	Screw	5
25	1307901	Stud	2
26	1306359	Nut	2
27	1457652	Screw	1
28	1307908	Screw	1
29	1306362	Screw	1
30	1307898	Screw	2
31	1318968	Screw	1
32	1457889	Cover	1
33	1307900	Screw	1
34	1318965	Screw	2
35	1308030	Screw	2
36	1307891	Nut	2

**TIMING GEAR AND CAMSHAFT
DIESEL 2.6L**

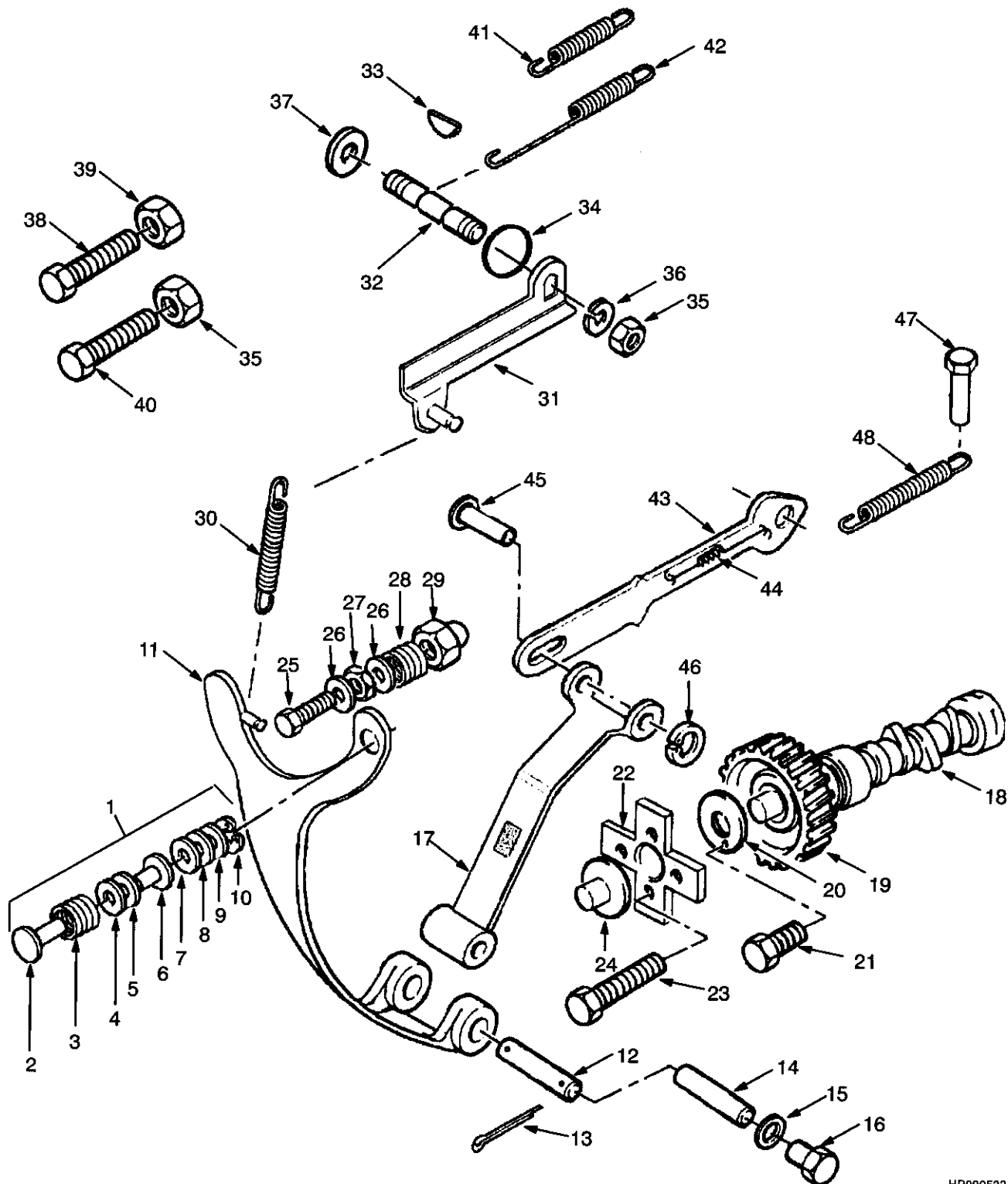
ITEM	PART NO.	DESCRIPTION	QTY
37	1306359	Nut.....	2
	1493166	Gasket Kit (Includes Items 3, 5).....	1

FOOTNOTES:

- a** ⇒ S/N H177B-29209Y
b S/N H177B-29210Y ⇒
c S/N PENDING PER ECN 74454 ⇒

[illegible]

AUXILIARY DRIVE (Figure 2-74) DIESEL 2.6L



HP090522

**AUXILIARY DRIVE
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	1457667	Adjuster	1
2	1457669	Pin	1
3	1457670	Spring	1
4	1457671	Shim (0.004 in.)	1
5	1457672	Shim (0.040 in.)	1
6	1457673	Adaptor	1
7	1457674	Shim (0.006 in.)	1
8	1457675	Shim (0.008 in.)	1
9	1457676	Shim (0.020 in.)	1
10	1457677	Circlip	1
11	1457678	Arm	1
12	1457679	Pin	1
13	1457680	Pin	2
14	1457681	Pin	1
15	1457682	Washer	1
16	1457683	Screw	1
17	1457684	Arm	1
18		Camshaft (Fuel Pump)	1
19	1457686	Pump	1
20	1457687	Plate	1
21	1307883	Screw	1
22	1457688	Weight	1
23	1457689	Screw	4
24	1457690	Slider	1
25	1457692	Screw	1
26	1457693	Washer	2
27	1457694	Nut	1
28	1457695	Spring	1
29	1457696	Nut	1
30	1488775	Spring	1
31	1457698	Arm	1
32	1545445	Shaft	1
33	28269	Key	1
34	1457700	O-Ring	2
35	1354733	Nut	2
36	1457702	Washer	1
37	1457703	Washer	1
38	1457704	Screw	1
39	1354733	Nut	1
40	1457706	Screw	1
41	1457707	Spring	1
42	1457708	Spring	1
43	1457709	Link	1
44	1457710	Spring	1
45	1457711	Pin	1
46	1457677	Circlip	1

AUXILIARY DRIVE DIESEL 2.6L

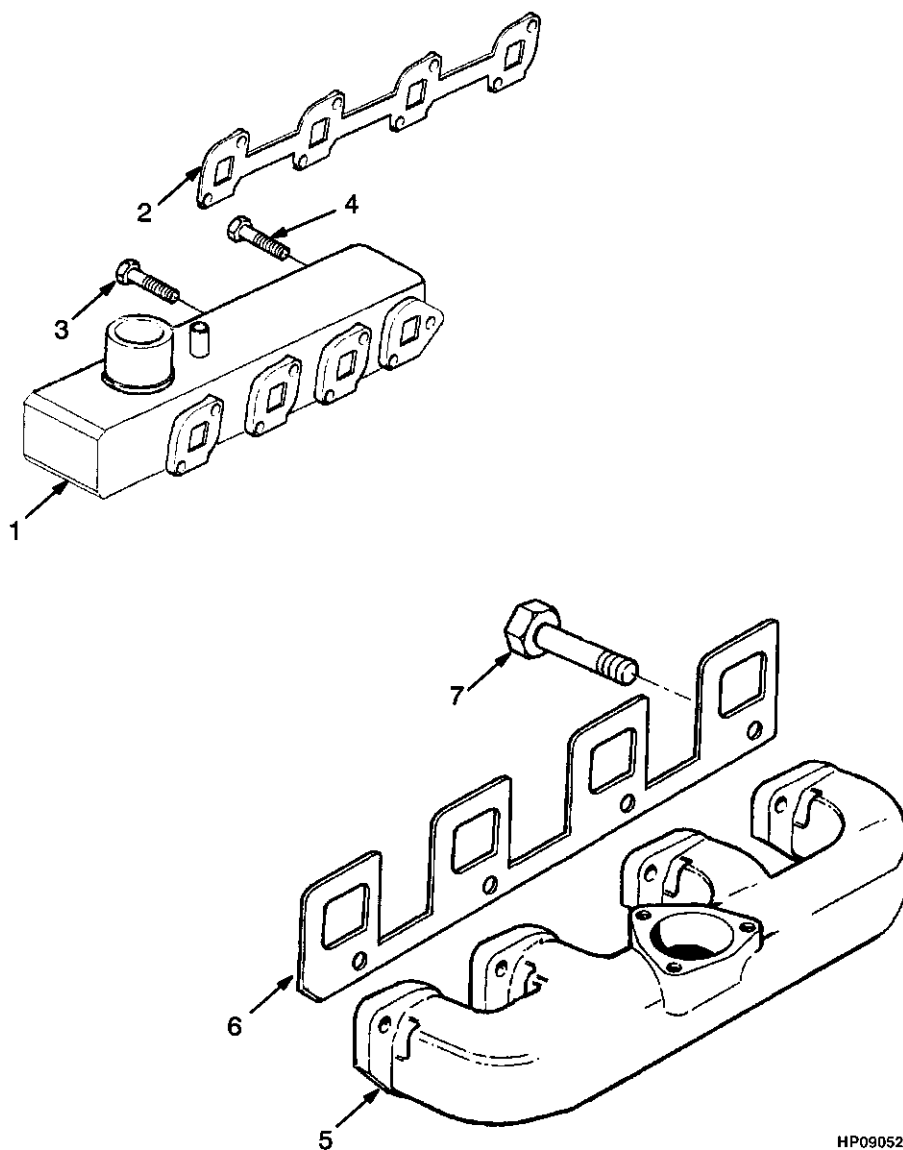
ITEM	PART NO.	DESCRIPTION	QTY
47	1457713	Pin	1
48	1457714	Spring	1

FOOTNOTES:

- a** ⇒ S/N H177B-29209Y
b S/N H177B-29210Y ⇒
c S/N PENDING PER ECN 74454 ⇒

[illegible]

MANIFOLD (Figure 2-75) DIESEL 2.6L



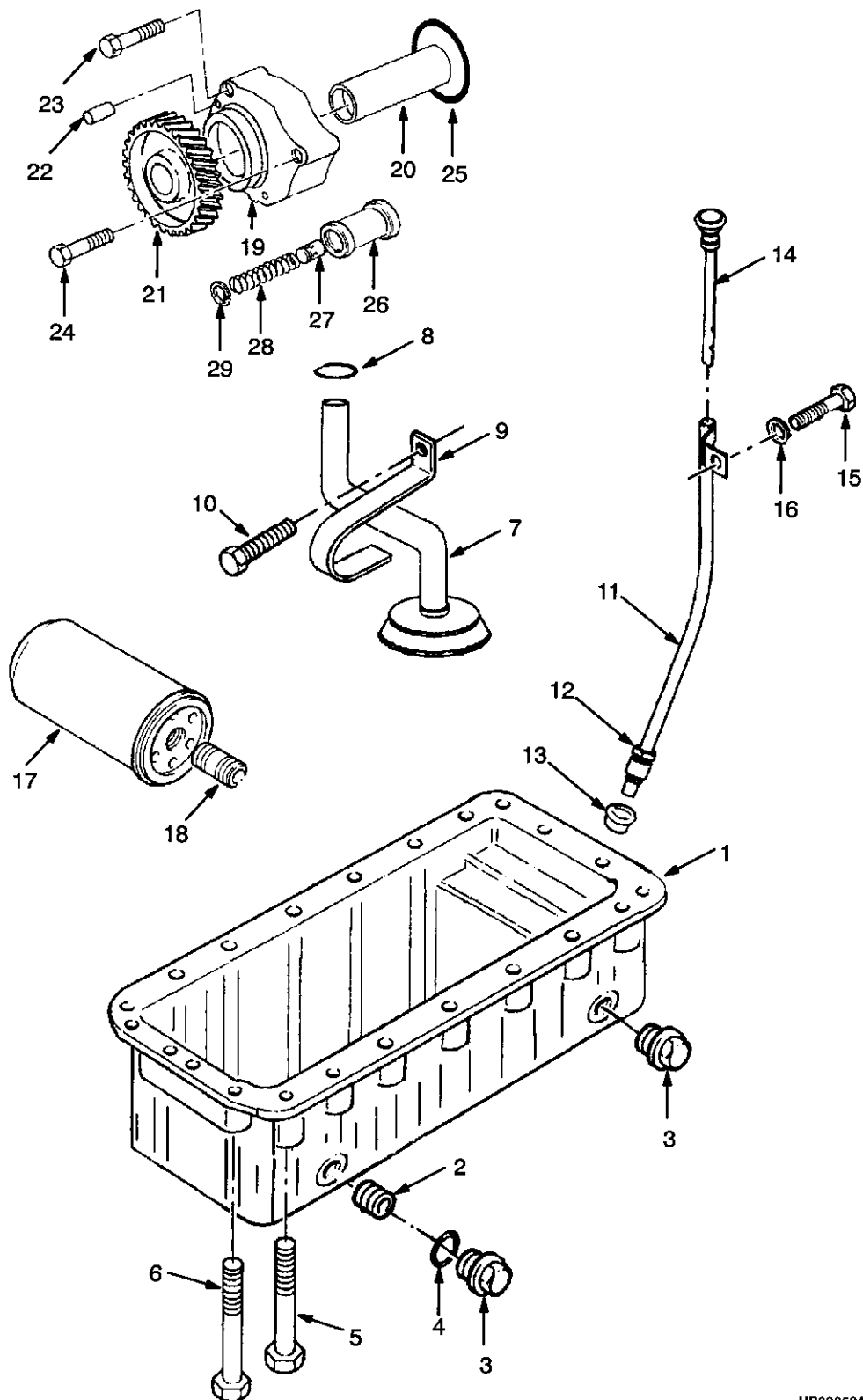
HP090523

**MANIFOLD
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	1457891	Manifold (Intake).....	1
2	1457890	Gasket	1
3	1307895	Screw	5
4	1318940	Screw	1
5	1457892	Manifold (Exhaust)	1
6	1457893	Gasket	1
7	1457894	Screw	8
	1493165	Gasket Kit (Includes Items 2, 6).....	1

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

OIL PAN, PUMP, AND FILTER (Figure 2-76) DIESEL 2.6L



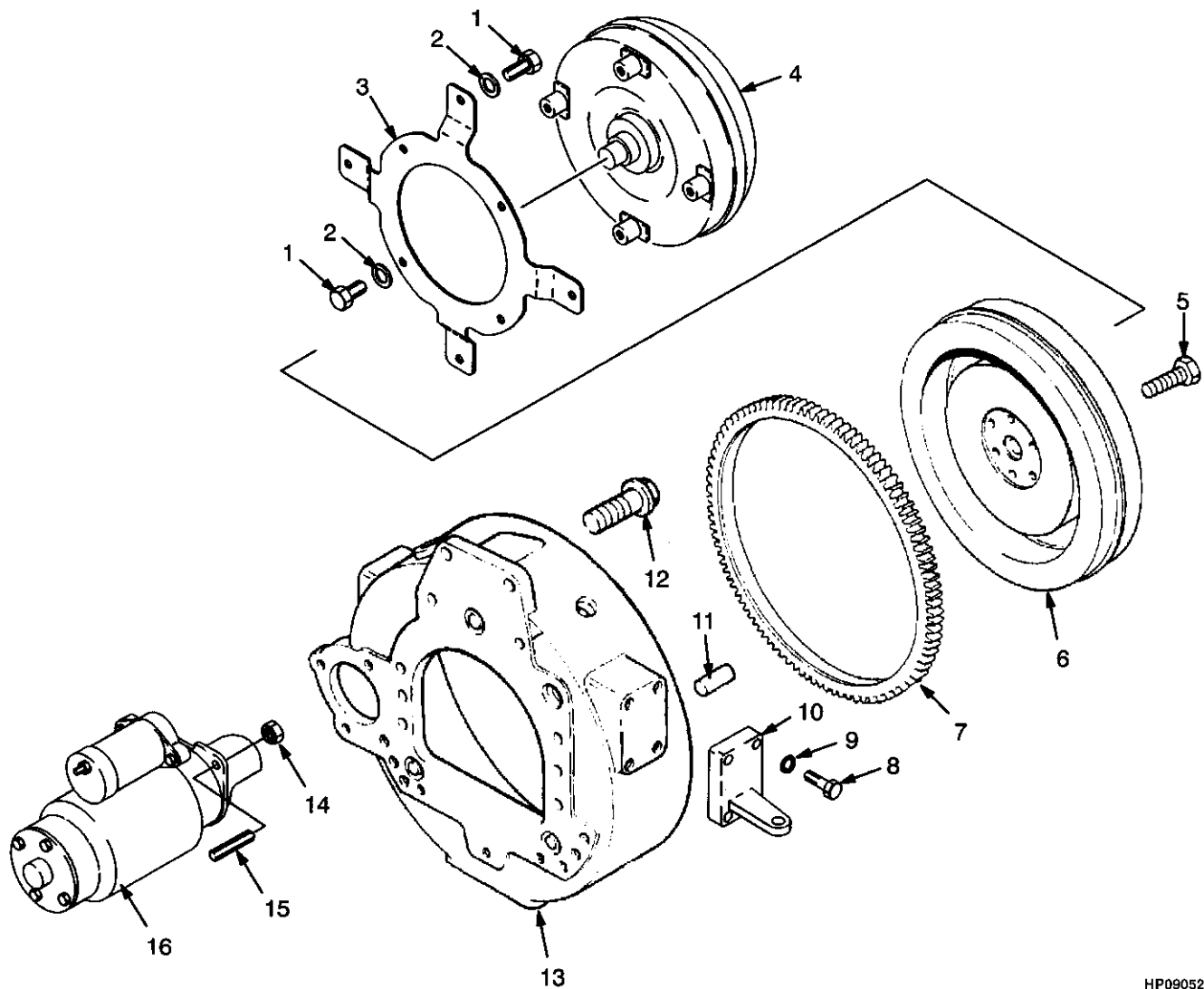
HP090524

**OIL PAN, PUMP, AND FILTER
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	1457812	Sump	1
2	266465	Insert	4
3	377976	Plug	4
4	1306374	O-Ring	4
5	1380261	Screw	2
6	a 386459	Screw	22
6	b 1497789	Screw	24
7	1457813	Pipe	1
8	1383621	O-Ring	1
9	1457814	Clip	1
10	1457815	Screw	1
11	1457816	Tube Assembly	1
12	1307880	Nut	1
13	1306143	Olive	1
14	1457817	Dipstick	1
15	1318940	Screw	1
16	173981	Spacer	1
17	1457828	Oil Filter	1
18	1382954	Connector	2
19	a 1457715	Oil Pump	1
19	b 1495788	Oil Pump	1
19		Body	1
20		Shaft	1
21	1457701	Gear	1
22	1457749	Pin	2
23	1307875	Screw	2
24	1457750	Screw	1
25	1457751	O-Ring	1
26	1457752	Valve	1
27	1457753	Plunger	1
28	1457754	Spring	1
29	1457755	Circlip	1
30	1497790	Gasket (Not Illustrated)	1
	1493166	Gasket Kit (Includes Items 4, 8, 19)	1

FOOTNOTES:**a** ⇒ S/N H177B-29209Y**b** S/N H177B-29210Y ⇒**c** S/N PENDING PER ECN 74454 ⇒

TORQUE CONVERTER AND FLYWHEEL (Figure 2-77) DIESEL 2.6L



HP090525

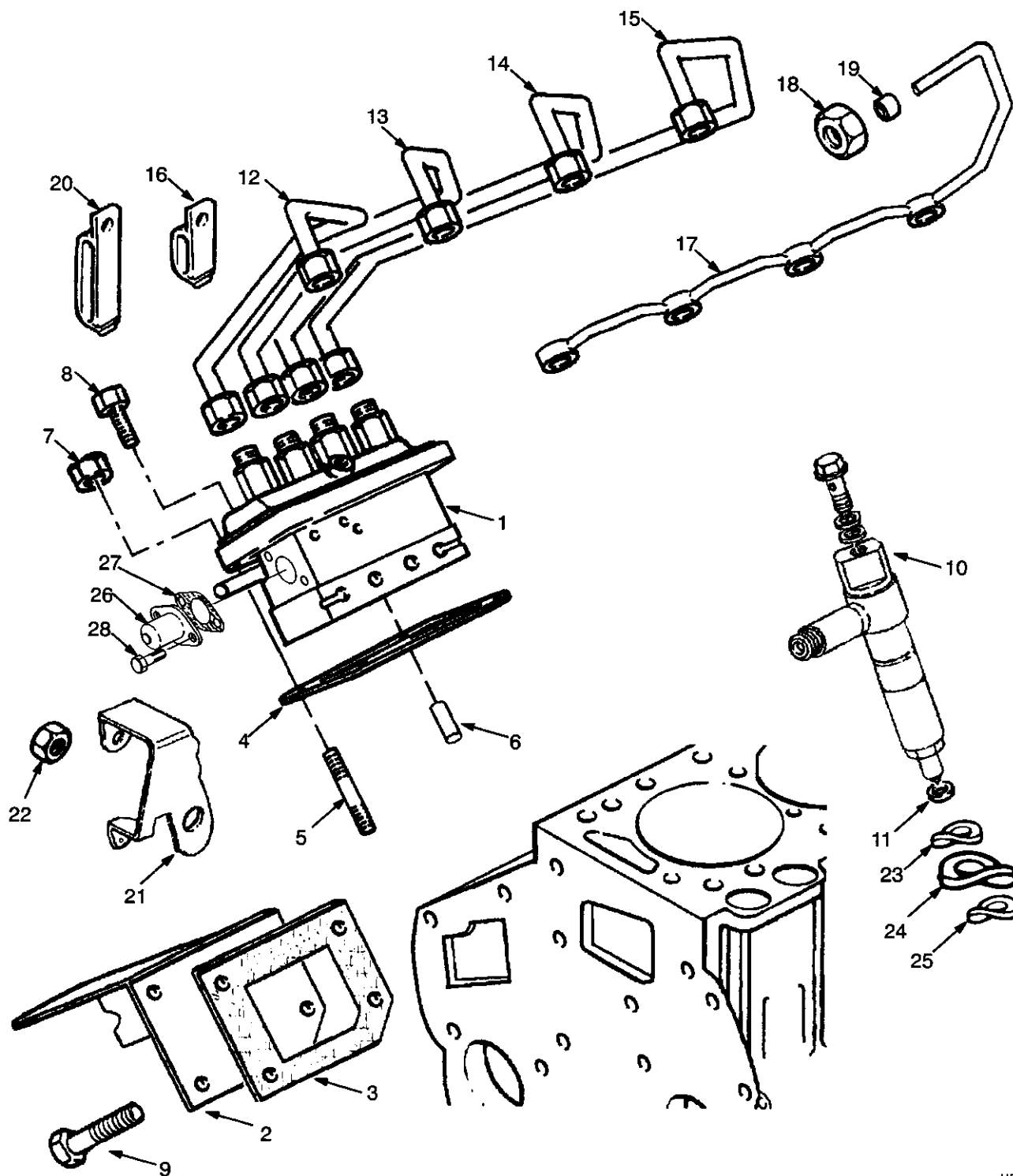
**TORQUE CONVERTER AND FLYWHEEL
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	e 1555993	Engine	1
1	15942	Bolt	4
2	261379	Washer	4
3	1386785	Plate	1
4	c 1386795	Torque Converter (No. 3.15)	1
4	d 1386815	Torque Converter (No. 3.15)	1
5	1457808	Screw	8
6	1457806	Flywheel	1
7	1457807	Gear	1
8	1457909	Screw	8
9	1458049	Washer	8
10	1457908	Bracket (LH) (RH)	1
10	1457910	Bracket (RH) (LH)	1
11	1457805	Pin	2
12	1306355	Screw	8
13	1457803	Housing	1
14	1370949	Nut	3
15	1457810	Stud	3
16	1519632	Starter	1

FOOTNOTES:

- a** ⇒ S/N H177B-29209Y
b S/N H177B-29210Y ⇒
c ⇒ S/N T81B4523
d S/N T81B4525 ⇒
e S/N PENDING PER ECN 74454 ⇒

FUEL INJECTION (Figure 2-78) DIESEL 2.6L



HP090526

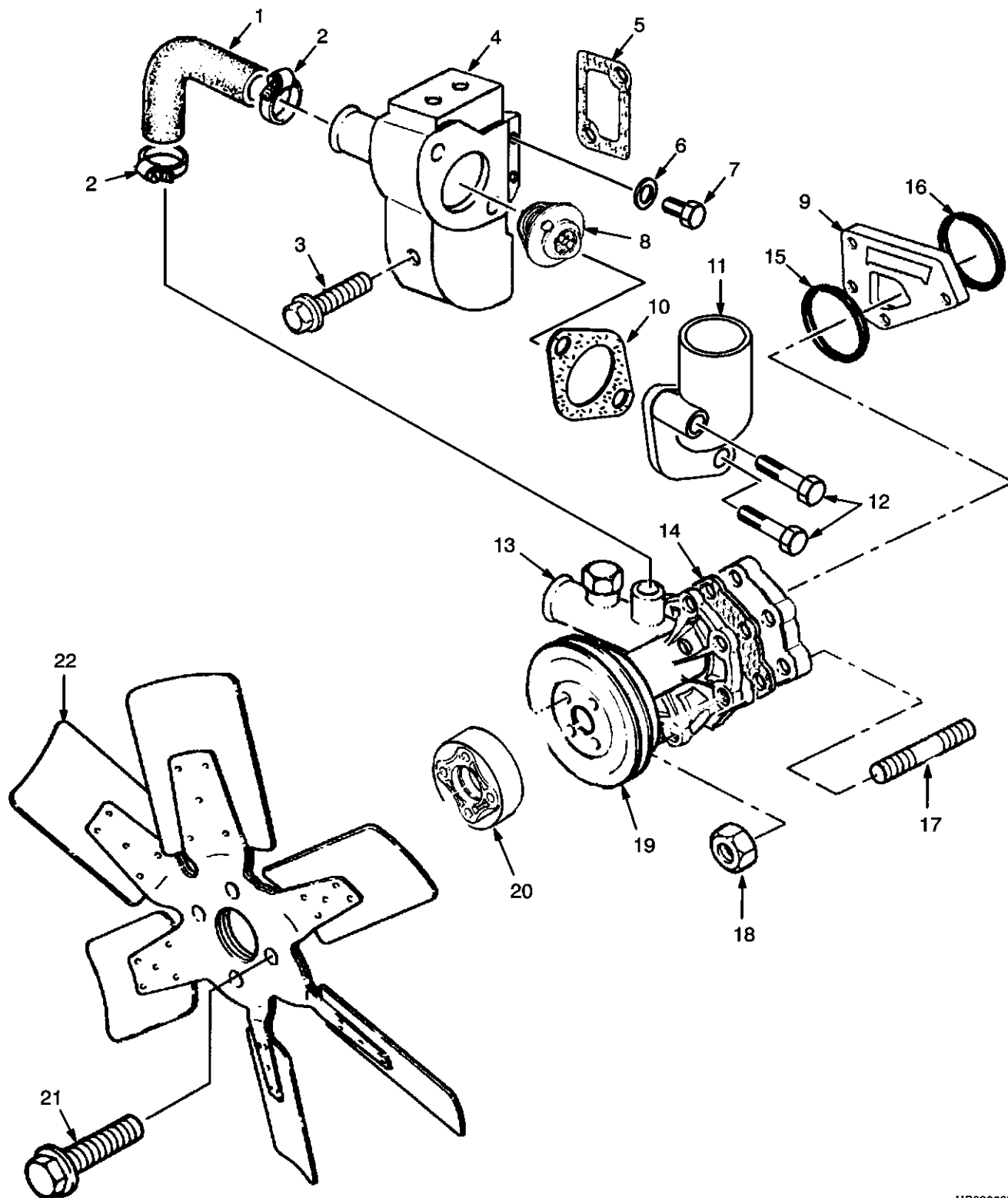
FUEL INJECTION
DIESEL 2.6L

ITEM	PART NO.	DESCRIPTION	QTY
	b 1453348	Engine	1
	c 1497828	Engine	1
	d 1555993	Engine	1
1	1457756	Pump	1
2	1460739	Cover	1
3	1457758	Gasket	1
4	1457759	Shim (0.004 in.)	1
4	a 1457760	Shim (0.008 in.)	1
4	a 1457761	Shim (0.012 in.)	1
4	a 1457762	Shim (0.016 in.)	1
4	a 1457763	Shim (0.020 in.)	1
5	1306033	Stud	2
6	1451604	Pin	2
7	1306359	Nut	2
8	1307894	Screw	4
9	1307883	Screw	4
10	1457765	Atomiser	4
10	1507689	Gasket	2
11	1457766	Washer	4
12	1457767	Fuel Pipe	1
13	1457768	Fuel Pipe	1
14	1457769	Fuel Pipe	1
15	1457770	Fuel Pipe	1
16	1457771	Clip	1
17	1457772	Pipe	1
18	152609	Nut	1
19	152608	Olive	1
20	1388386	Clip	1
21	1457773	Lever	1
22	1457774	Nut	1
23	1457775	Washer	4
24	1457776	Heat Shield	4
25	1457777	Washer	4
26	b 1457906	Solenoid	1
26	c 1498114	Solenoid	1
27	1457907	Gasket	1
28	1306361	Screw	2
	1493165	Gasket Kit (Includes Items 3, 11)	1
	1493166	Gasket Kit (Includes Item 3)	1

FOOTNOTES:

- a** Optional
b ⇒ S/N H177B-29209Y
c S/N H177B-29210Y ⇒
d S/N PENDING PER ECN 74454 ⇒

COOLING GROUP (Figure 2-79) DIESEL 2.6L



HP090527

**COOLING GROUP
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
	a 1453348	Engine	1
	b 1497828	Engine	1
	c 1555993	Engine	1
1	1457861	Hose	1
2	1457862	Clip	2
3	1307881	Screw	1
4	1457863	Housing	1
5	1457864	Gasket	1
6	986475	Washer	1
7	992025	Plug	1
8	301793	Thermostat	1
9	1457858	Spacer	1
10	1457896	Gasket	1
11	158048	Connection	1
12	1315499	Screw	1
13	1457847	Water Pump	1
14	1457866	Gasket	1
15	1457859	O-Ring	1
16	1493418	O-Ring	1
17	1384400	Stud	4
18	1306359	Nut	4
19	1457857	Pulley	1
20	1457872	Extension	1
21	1457712	Screw	4
22	1461718	Fan	1
	1493165	Gasket Kit (Includes Items 5, 10, 14-16)	1

FOOTNOTES:

- a** ⇒ S/N H177B-29209Y
b S/N H177B-29210Y ⇒
c S/N PENDING PER ECN 74454 ⇒

[illegible]

3

FUEL SYSTEM

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FUEL SYSTEM**

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SECTION 3

FUEL SYSTEM (Continued)

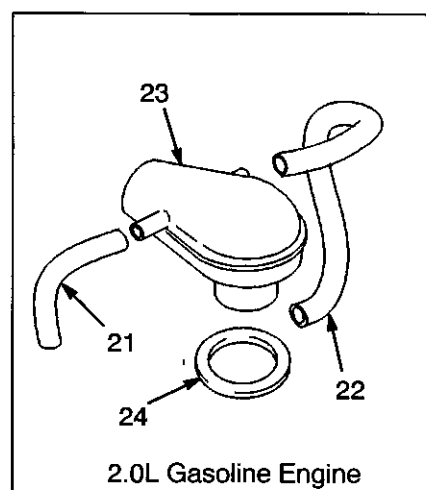
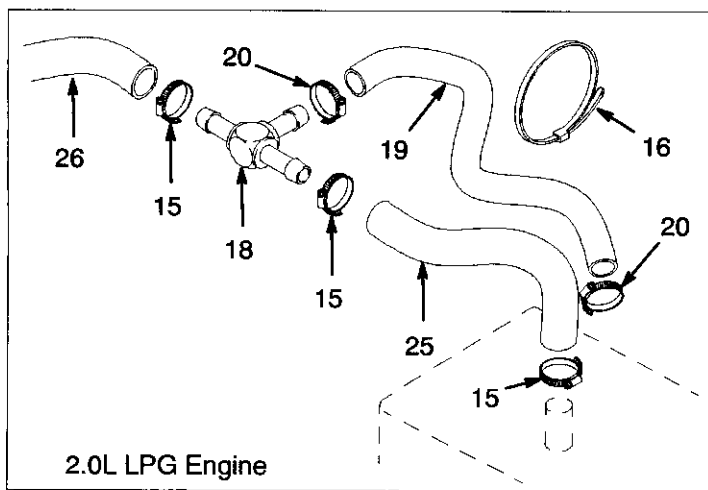
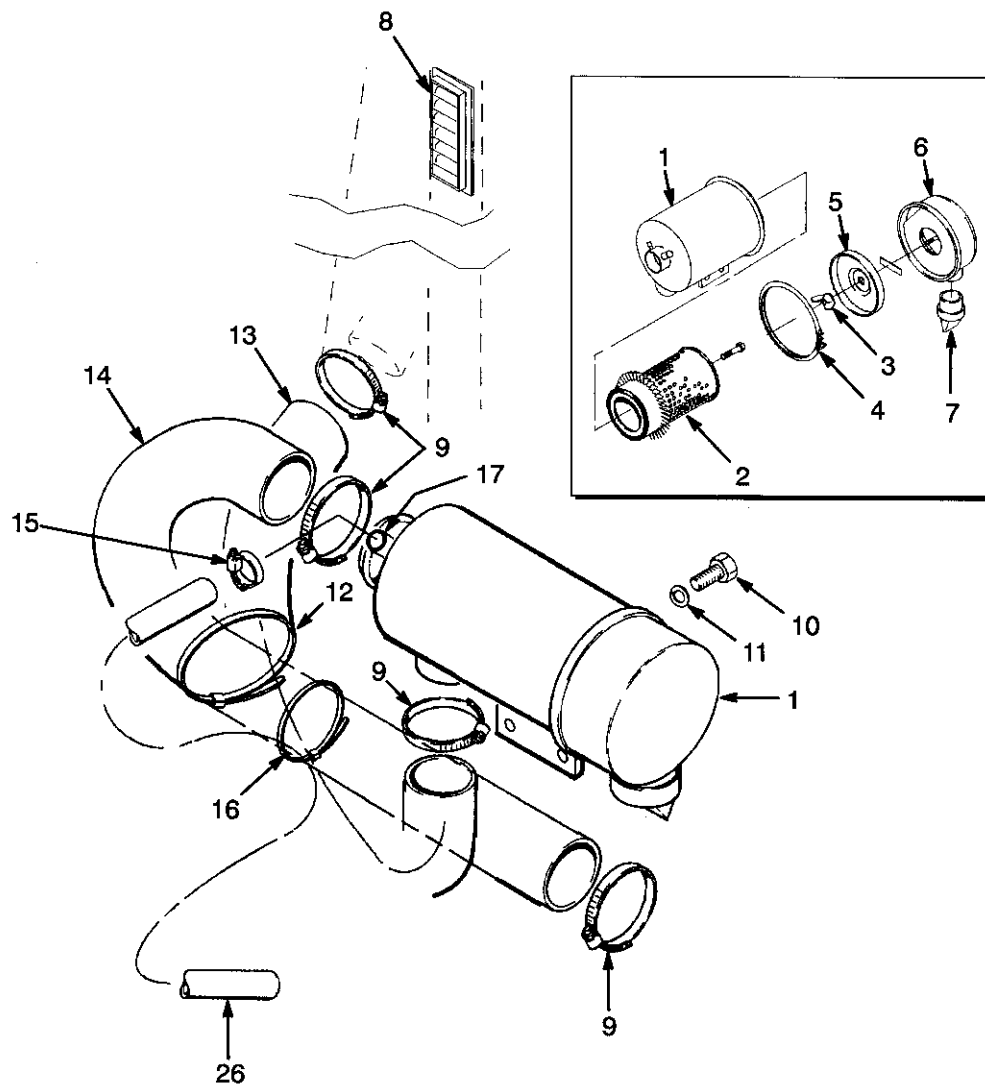
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FUEL SYSTEM (Continued)

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AIR FILTER (Figure 3-1) GASOLINE AND LPG 2.0L (⇒S/N H177B-23393)



HP130772

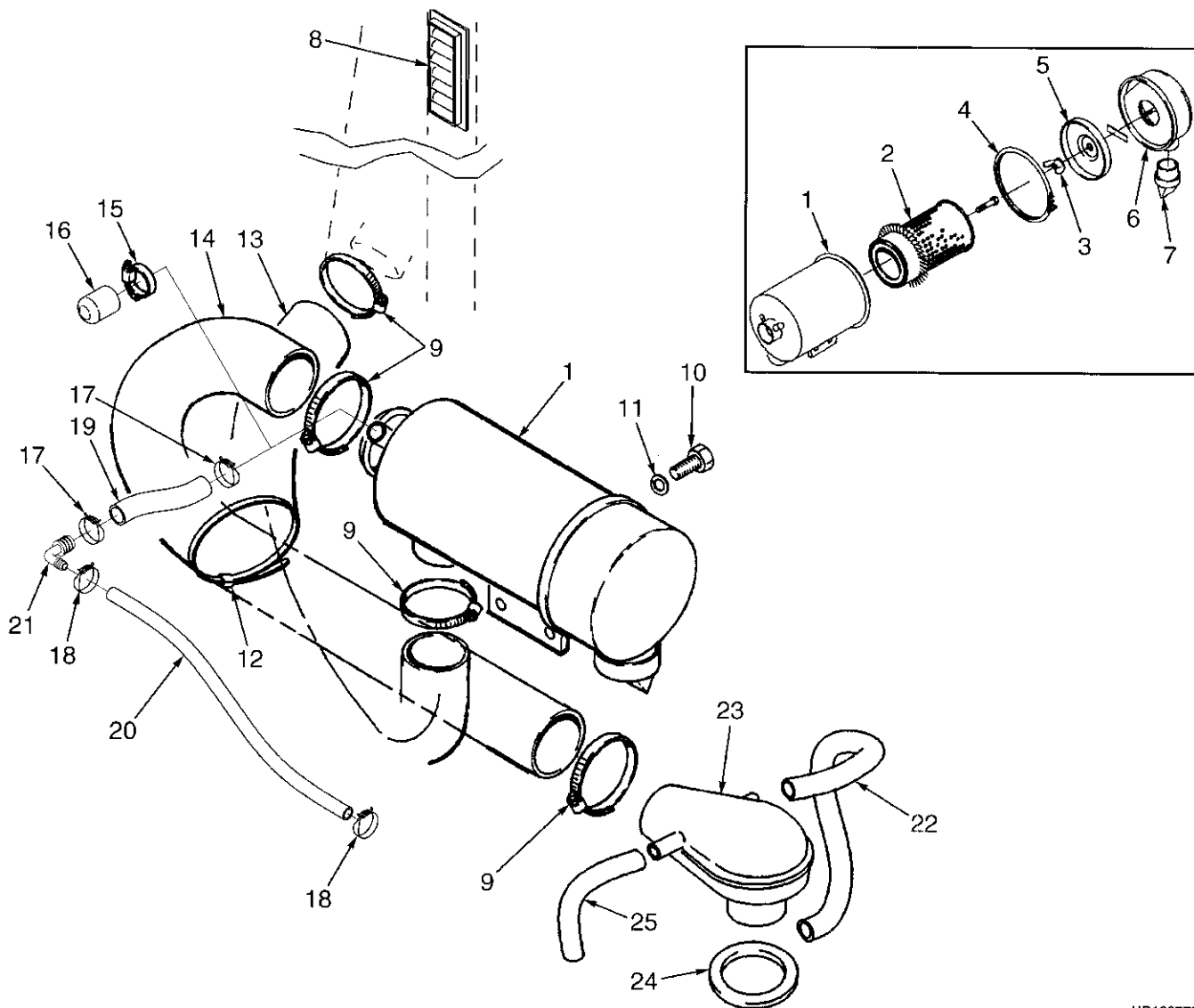
AIR FILTER
GASOLINE AND LPG
2.0L
(⇒S/N H177B-23393)

ITEM	PART NO.	DESCRIPTION	QTY
1	1343635	Air Filter	1
2	305080	Element	1
3	125847	Nut and Gasket	1
4	290734	Clamp	1
5	290735	Baffle	1
6	374922	Cup	1
7	374923	Valve	1
8	1339265	Grill	1
9	112989	Clamp	4
10	287854	Capscrew	2
11	292682	Lockwasher	2
12	273775	Strap Clamp	1
13	1343638	Hose	1
14	a 1368917	Hose	1
14	b 1368980	Hose	1
15	166857	Clamp	4
16	b 2004005	Strap Clamp	1
17	a 1359608	Plug	1
18	b 1374916	Fitting	1
19	b 193008	Hose	1
20	b 168718	Clamp	1
21	1361794	Hose	1
22	1361797	Hose	1
23	a 1361766	Air Funnel	1
24	a 1361765	Seal	1
25	1365895	Hose	1
26	b 1374917	Hose	1
	996423	Repair Kit (Includes Item 2)	1

FOOTNOTES:

- a** Gasoline
b LPG

AIR FILTER (Figure 3-2) GASOLINE AND LPG 2.0L AND 2.2L (S/N H177B-23394↔S/N H177B-26621)



HP130773

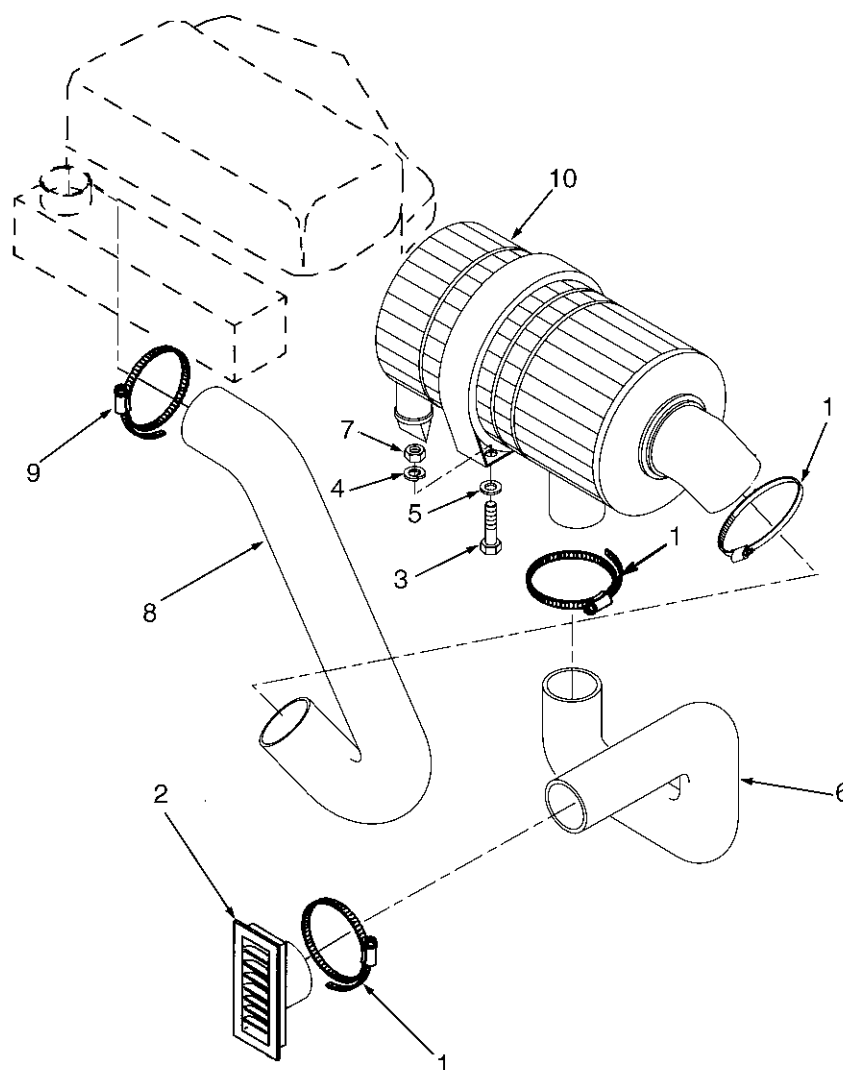
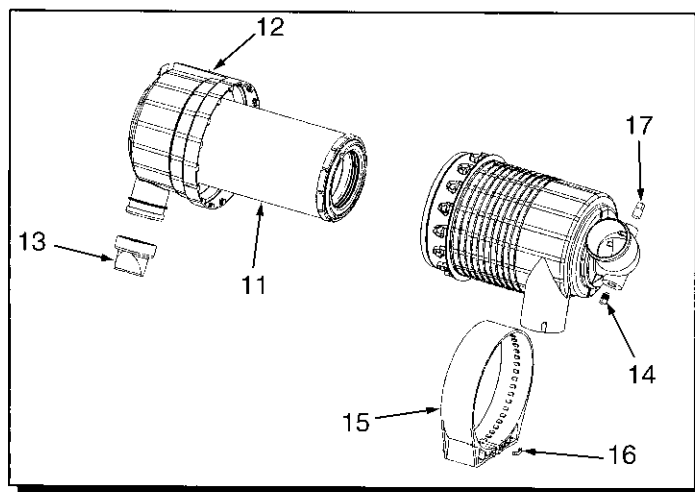
AIR FILTER
GASOLINE AND LPG
2.0L AND 2.2L
(S/N H177B-23394↔S/N H177B-26621)

ITEM	PART NO.	DESCRIPTION	QTY
1	1343635	Air Filter	1
2	305080	Element	1
3	125847	Nut and Gasket	1
4	290734	Clamp	1
5	290735	Baffle	1
6	374922	Cup	1
7	374923	Valve	1
8	1339265	Grill	1
9	112989	Clamp	4
10	287854	Capscrew	2
11	292682	Lockwasher	2
12	323864	Strap Clamp	1
13	1343638	Hose	1
14	1469348	Hose	1
15	a 166857	Clamp	4
16	a 1359608	Plug	1
17	b 379405	Clamp	2
18	b 369815	Clamp	2
19	b 1490464	Hose	1
20	b 381938	Hose	1
21	b 1471701	Fitting	1
22	1361797	Hose	1
23	1361766	Air Funnel	1
24	1361765	Seal	1
25	1361794	Hose	1

FOOTNOTES:

- a** Gasoline
b LPG

AIR FILTER (Figure 3-3) GASOLINE AND LPG 2.0L AND 2.2L (S/N H177B-26622⇒)

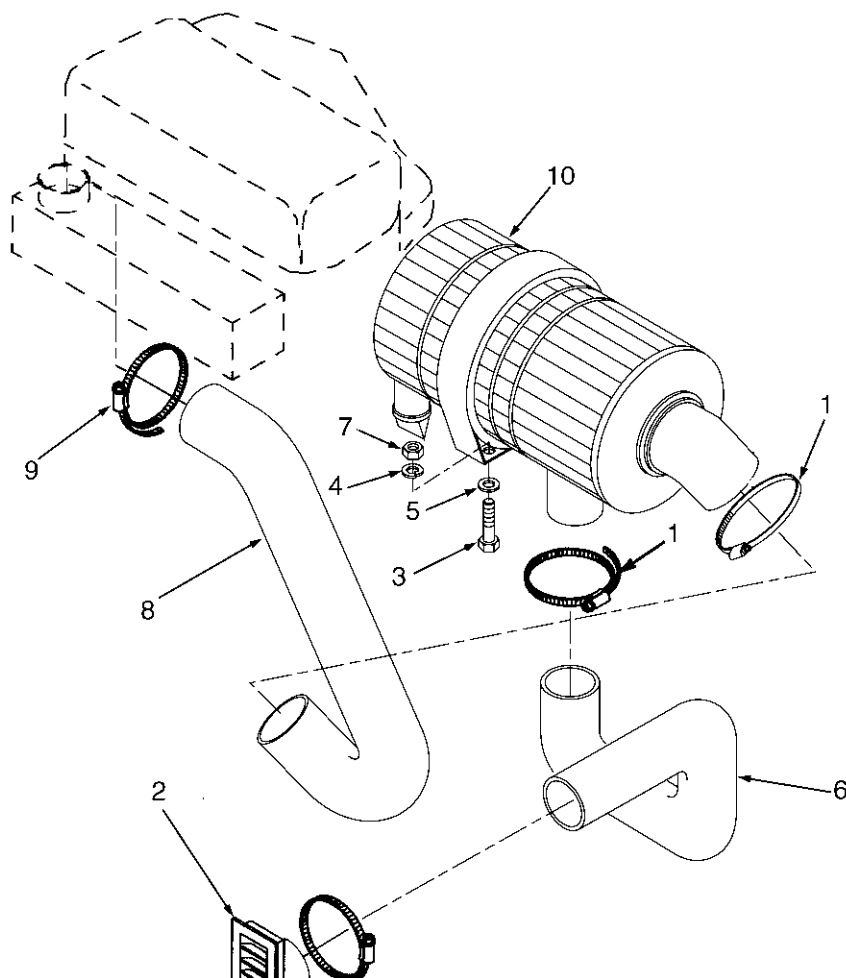
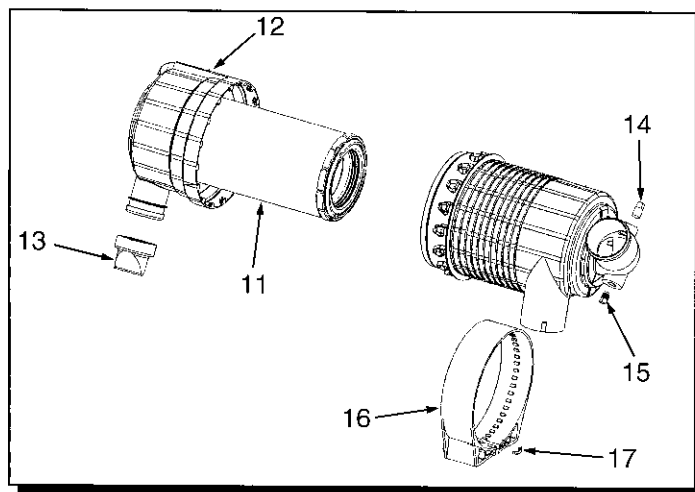


YP130073

**AIR FILTER
GASOLINE AND LPG
2.0L AND 2.2L
(S/N H177B-26622⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	1394008	Clamp	3
2	1339265	Grill	1
3	1510786	Stud	2
4	292681	Lockwasher	2
5	320157	Washer	2
6	1484337	Hose	1
7	313828	Nut	2
8	1499511	Hose	1
9	119236	Clamp	1
10	1490450	Air Filter (Single Element).....	1
10	1490452	Air Filter (Dual Element)	1
11	1377080	Element (Single Element).....	1
11	1452112	Element (Dual Element)	1
12	1494023	Cover	1
13	1494024	Valve	1
14	1462442	Plug	1
15	1494029	Bracket	1
16	1494030	Clip	2
17	1377083	Plug	1

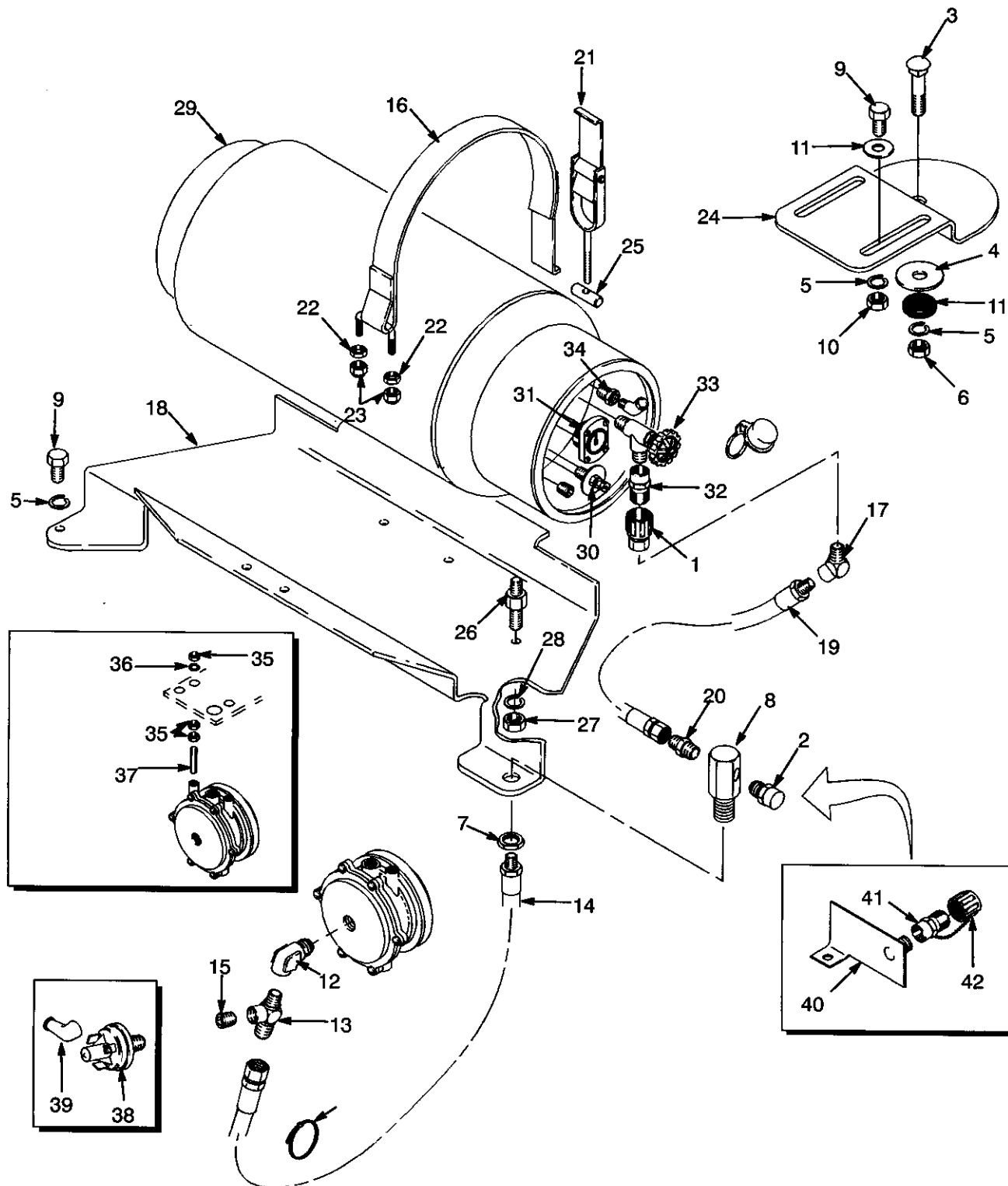
AIR FILTER (Figure 3-4) GAS AND LPG EPA COMPLIANT 2.0L AND 2.2L



AIR FILTER GAS AND LPG EPA COMPLIANT 2.0L AND 2.2L

ITEM	PART NO.	DESCRIPTION	QTY
1	1394008	Clamp	3
2	1339265	Grill	1
3	1510786	Stud	2
4	292681	Lockwasher.....	2
5	320157	Washer	2
6	1484337	Hose	1
7	313828	Nut	2
8	1499511	Hose	1
9	119236	Clamp	1
10	1485320	Air Filter (Single Element).....	1
10	1485321	Air Filter (Dual Element)	1
11	1377080	Element (Single Element).....	1
11	1452112	Element (Dual Element)	1
12	1494023	Cover.....	1
13	1494024	Valve.....	1
14	1377083	Plug	1
15	1462442	Plug	1
16	1494029	Bracket	1
17	1494030	Clip	2

TANK (Figure 3-5) LPG (⇒S/N H177B-23393)



HP130748

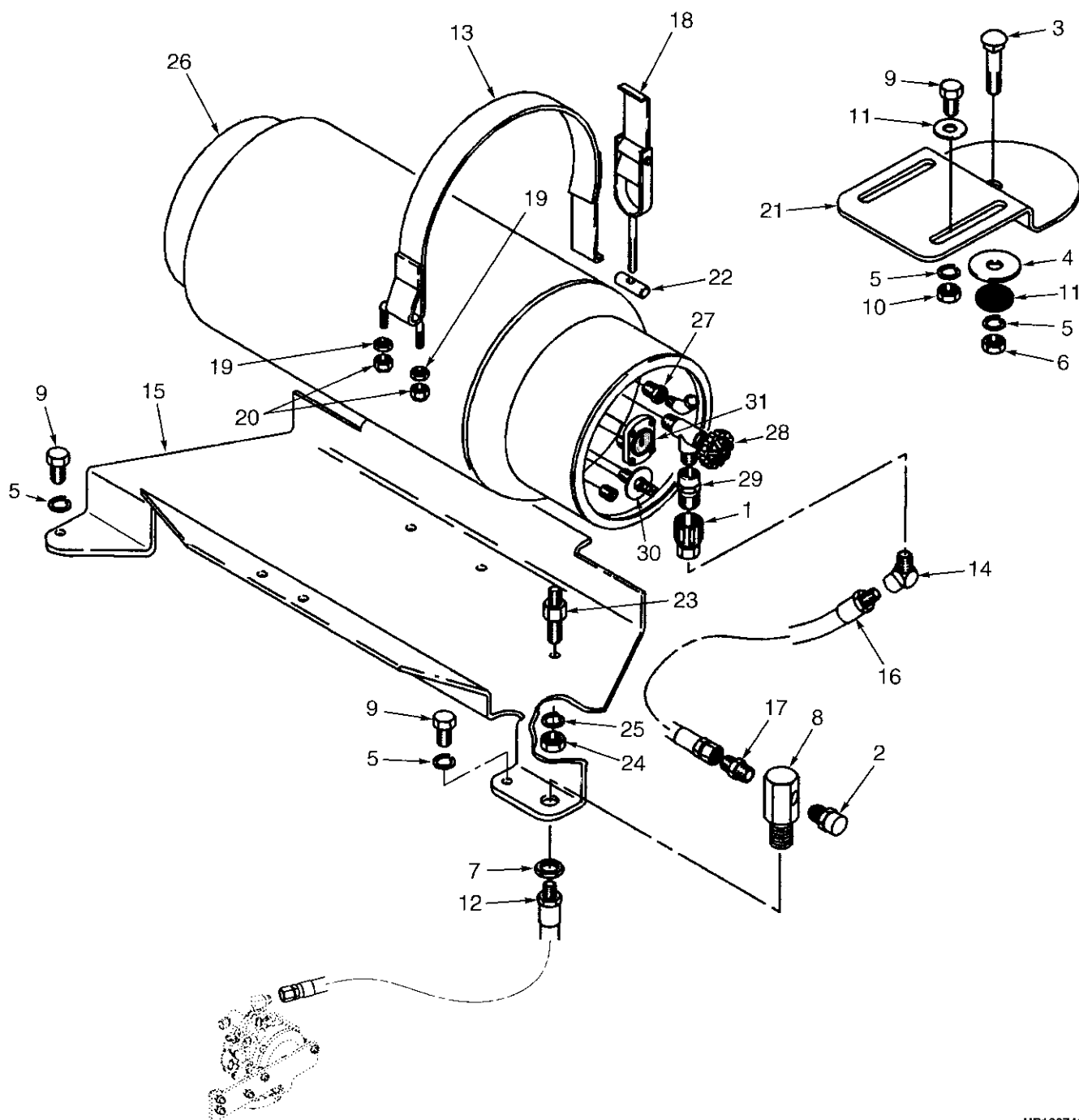
TANK LPG (⇒S/N H177B-23393)

ITEM	PART NO.	DESCRIPTION	QTY
1	97999	Disconnect.....	1
2	101809	Relief Valve	1
3	1339706	Bolt	1
4	300939	Washer	1
5	292682	Lockwasher.....	5
6	136692	Nut	1
7	15034	Nut	1
8	1374601	Fitting.....	1
9	287854	Capscrew.....	4
10	316826	Nut	2
11	320159	Washer	3
12	1351145	Fitting.....	1
13	1351146	Fitting.....	1
14	1388579	Hose	1
15	15483	Fitting.....	1
16	1375240	Strap	1
17	12822	Fitting.....	1
18	1383571	Bracket.....	1
19	1375230	Hose	1
20	16134	Fitting.....	1
21	1383574	Latch.....	1
22	136692	Nut	2
23	316826	Nut	2
24	1343421	Bracket.....	1
25	147294	Nut	1
26	2022566	Pin	1
27	296130	Nut	1
28	292683	Lockwasher.....	1
29	1328890	Tank	1
30	1337641	Gauge.....	1
31	1337642	Gauge.....	1
32	1337643	Valve.....	1
33	1337644	Valve.....	1
34	1337645	Valve.....	1
35	221703	Nut	6
36	15154	Lockwasher.....	2
37	220961	Capscrew.....	1
38	a 1351133	Low Pressure Switch	1
39	a 190383	Boot	1
40	a 864858	Bracket.....	1
41	a 864737	Connector	1
42	a 1369737	Cap	1
43	124010	Coupling	1

FOOTNOTES:

a Dual Fuel System

TANK (Figure 3-6) LPG (S/N H177B-23394⇒)



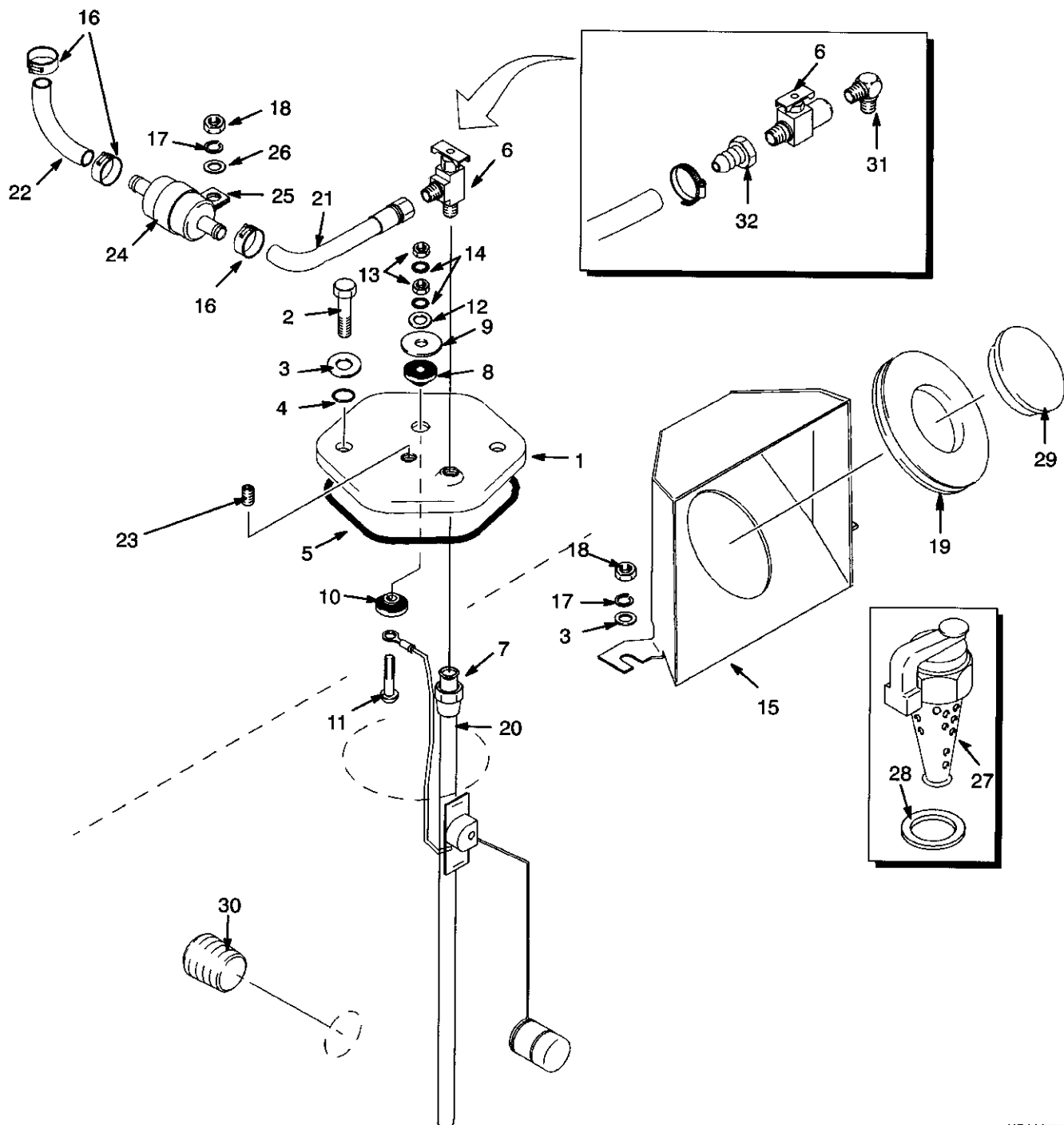
HP130749

TANK **LPG** **(S/N H177B-23394⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	97999	Disconnect.....	1
2	101809	Relief Valve	1
3	1339706	Bolt	1
4	300939	Washer	1
5	292682	Lockwasher.....	5
6	136692	Nut	1
7	15034	Nut	1
8	1374601	Fitting.....	1
9	287854	Capscrew.....	4
10	316826	Nut	2
11	320159	Washer	3
12	a 1388579	Hose	1
12	b 1496024	Hose	1
13	1375240	Strap	1
14	12822	Fitting.....	1
15	1383571	Bracket.....	1
16	1375230	Hose	1
17	16134	Fitting.....	1
18	1383574	Latch.....	1
19	136692	Nut	2
20	316826	Nut	2
21	1343421	Bracket.....	1
22	147294	Nut	1
23	2022566	Pin	1
24	296130	Nut	1
25	292683	Lockwasher.....	1
26	1328890	Tank	1
27	1337645	Valve (Fill).....	1
28	1337644	Valve (Service)	1
29	1337643	Valve.....	1
30	1337641	Gauge (Sight)	1
31	1337642	Gauge.....	1

FOOTNOTES:**a** ⇒ S/N H177B-28688Y**b** S/N H177B-28689Y ⇒

FUEL TANK (Figure 3-7) GASOLINE 2.0L



HP130755

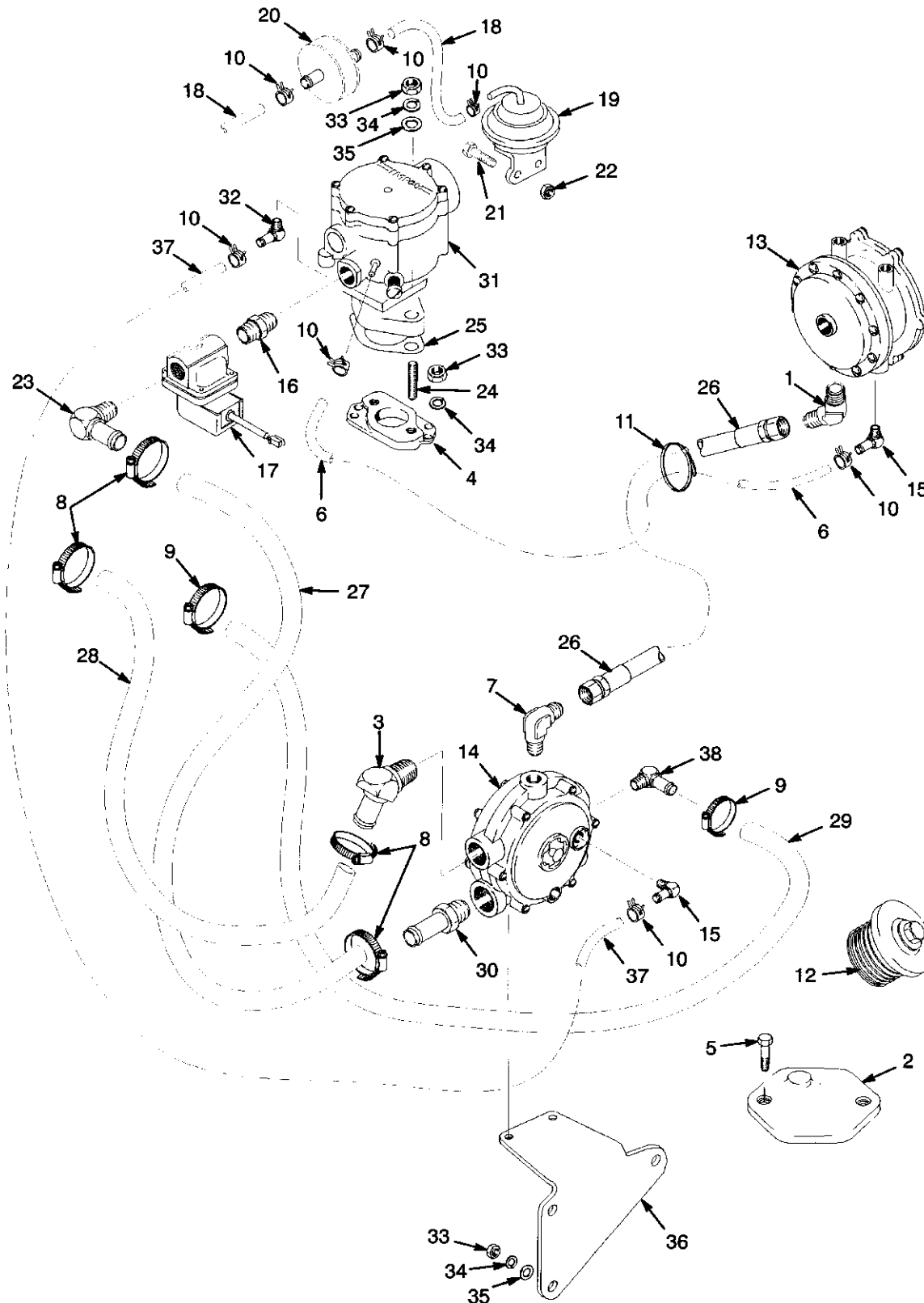
**FUEL TANK
GASOLINE 2.0L**

ITEM	PART NO.	DESCRIPTION	QTY
1	b 1343448	Cover	1
2	329067	Screw	2
3	320158	Washer	4
4	353000	O-Ring	2
5	1343449	Seal	1
6	d 1350286	Valve (Shut Off)	1
6	e 87446	Valve	1
7	b 14303	Fitting	1
8	b 1350291	Washer	1
9	b 1350290	Washer	1
10	b 1351000	Washer	1
11	b 1356459	Screw	1
12	b 197067	Washer	1
13	b 1350298	Nut	2
14	b 1350299	Lockwasher	2
15	1376746	Shield	1
16	168718	Clamp	4
17	292681	Lockwasher	3
18	313828	Nut	3
19	1339720	Grommet	1
20	b 1347153	Fuel Sender	1
20	c 1465337	Fuel Sender	1
21	d 1351089	Hose	1
21	c 271862	Hose	1
21	e 878989	Hose	1
22	1389365	Hose	1
23	15347	Fitting	1
23	c 15483	Fitting	1
24	1304950	Fuel Filter	1
25	1316496	Clamp	1
26	320158	Washer	1
27	a 63899	Cap Assembly	1
28	a 138880	Shim (0.020 in.)	AR
29	160773	Cap	1
30	15964	Fitting	1
31	e 309651	Fitting	1
32	e 17650	Fitting	1

FOOTNOTES:

- a** Type DS
b ⇒ S/N H177B-14409W
c S/N H177B-14410W ⇒
d ⇒ S/N H177B-8242
e S/N H177B-8242 ⇒

FUEL SYSTEM (Figure 3-8) LPG 2.0L (⇒S/N H177B-23393)



HP130750

FUEL SYSTEM

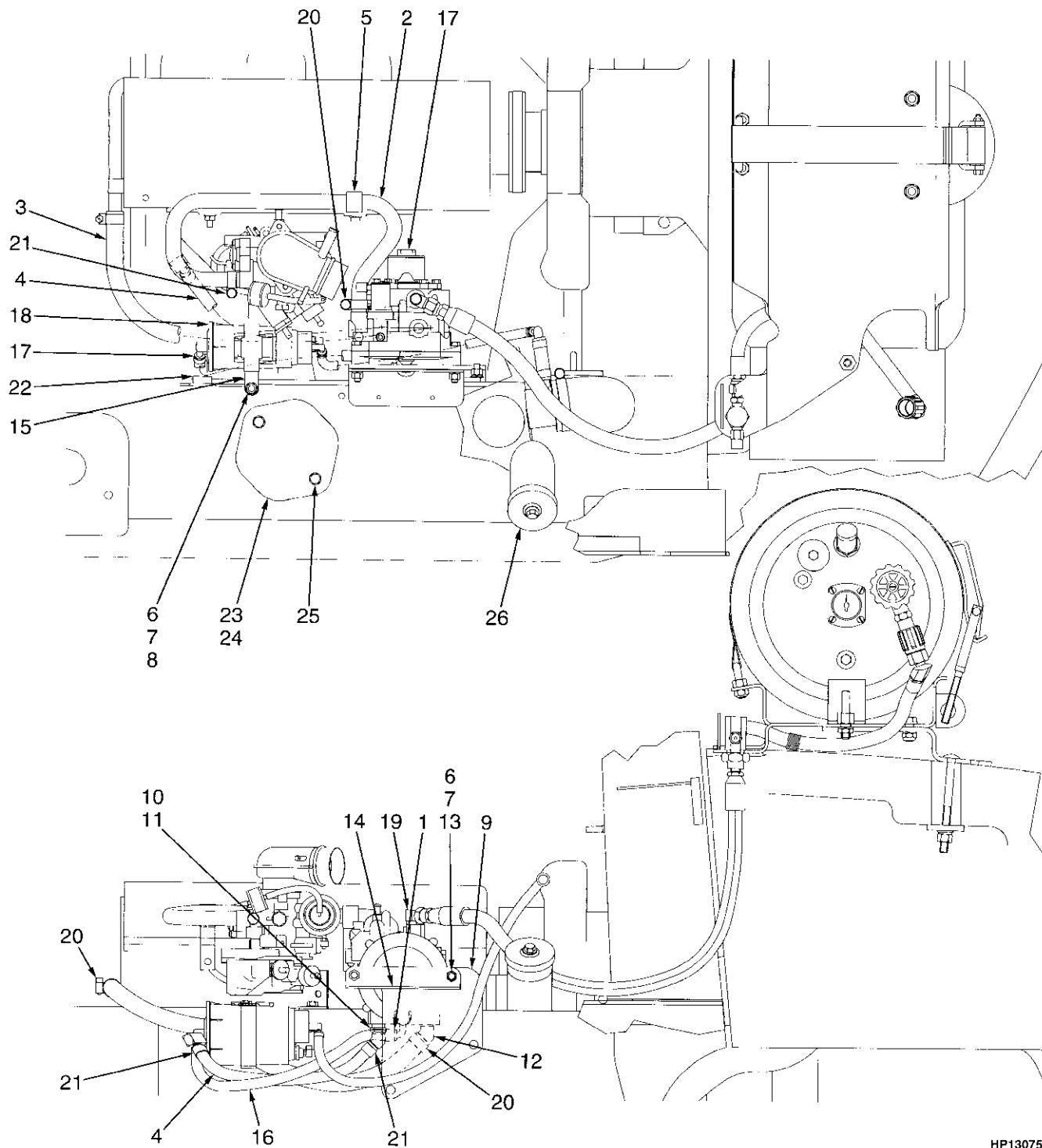
LPG 2.0L

(⇒S/N H177B-23393)

ITEM	PART NO.	DESCRIPTION	QTY
1	16863	Fitting.....	1
2	1451568	Plate	1
2	280472	Sealant	AR
3	1336135	Fitting.....	1
4	1356514	Spacer	1
5	329067	Screw.....	2
6	1347166	Hose	1
7	14358	Fitting.....	1
8	130845	Clamp	4
9	168718	Clamp	2
10	366473	Clamp	8
11	137852	Strap Clamp.....	6
12	1352123	Cap	1
13	258321	Filter and Lock-Off Valve (☞ Figure 3-23)	1
14	1369572	Converter (LPG) (☞ Figure 3-21)	1
14	1457964	Convertor (☞ Figure 3-22)	1
15	175347	Fitting.....	2
16	a 15351	Fitting.....	1
17	b 1354203	Valve	1
17	1369456	Coil	1
17	1369457	Seal Kit.....	1
18	372002	Hose	2
19	1346872	Actuator	1
20	1350400	Valve	1
21	293743	Capscrew.....	2
22	316825	Nut	2
23	201800	Fitting.....	1
24	1359460	Stud	2
25	1354336	Gasket	1
26	113011	Hose	1
27	a 1336137	Hose	1
27	b 1460281	Hose	1
28	318375	Hose	1
29	85785	Hose	1
30	201797	Fitting.....	1
31	1376621	Carburetor (☞ Figure 3-15)	1
32	175347	Fitting.....	1
33	239503	Nut	7
34	292681	Lockwasher.....	7
35	296418	Washer	5
36	1356513	Bracket.....	1
37	243147	Hose	1
38	201808	Fitting.....	1

FOOTNOTES:**a** ⇒ S/N H177B-9724**b** S/N H177B-9725 ⇒

FUEL SYSTEM (Figure 3-9) LPG 2.0L AND 2.2L OPEN LOOP (S/N H177B-23394⇒)

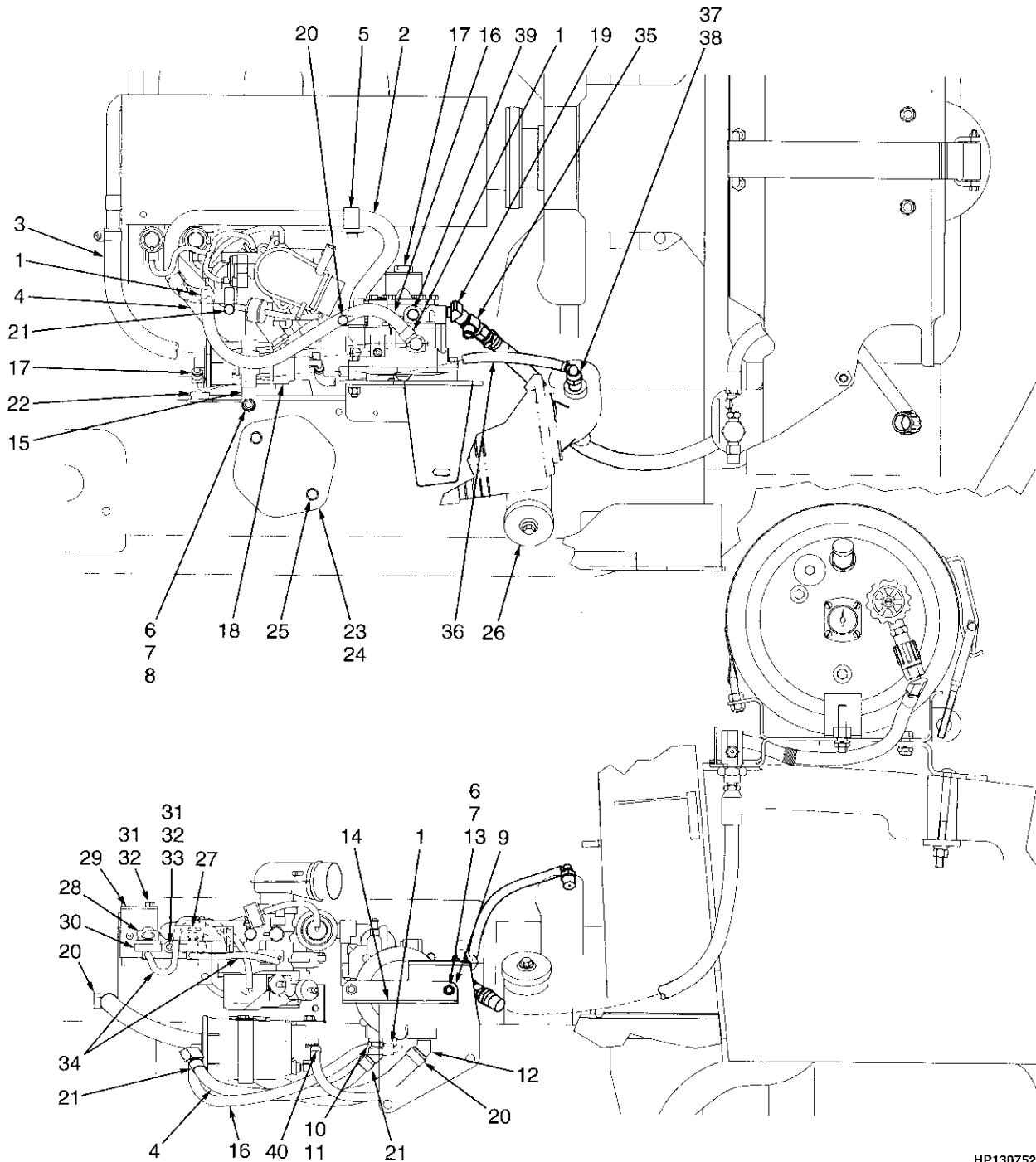


HP130751

FUEL SYSTEM
LPG 2.0L AND 2.2L
OPEN LOOP
(S/N H177B-23394⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	353311	Clamp	2
2	1474043	Hose (LPG Vapor)	1
3	183985	Hose	1
4	85766	Hose	1
5	1479091	Bracket.....	2
6	239503	Nut	6
7	292681	Lockwasher.....	6
8	296418	Washer	4
9	1469347	Bracket.....	1
10	63108	Fitting.....	1
11	16694	Fitting.....	1
12	16764	Fitting.....	1
13	292509	Capscrew.....	2
14	1483891	Bracket.....	1
15	1475409	Clamp	1
16	260878	Hose	1
17	1469346	Regulator (☞ Figure 3-19)	1
18	1471694	Resonator	1
18	1479532	Plug	1
18	1479533	Clip	1
19	14358	Fitting.....	1
20	130845	Clamp	4
21	168718	Clamp	2
22	15964	Fitting.....	1
23	1451568	Plate	1
24	280472	Sealant	AR
25	329067	Screw.....	2
26	1352123	Cap	1

FUEL SYSTEM (Figure 3-10) LPG 2.0L AND 2.2L CLOSED LOOP (S/N H177B-26764Y⇒)

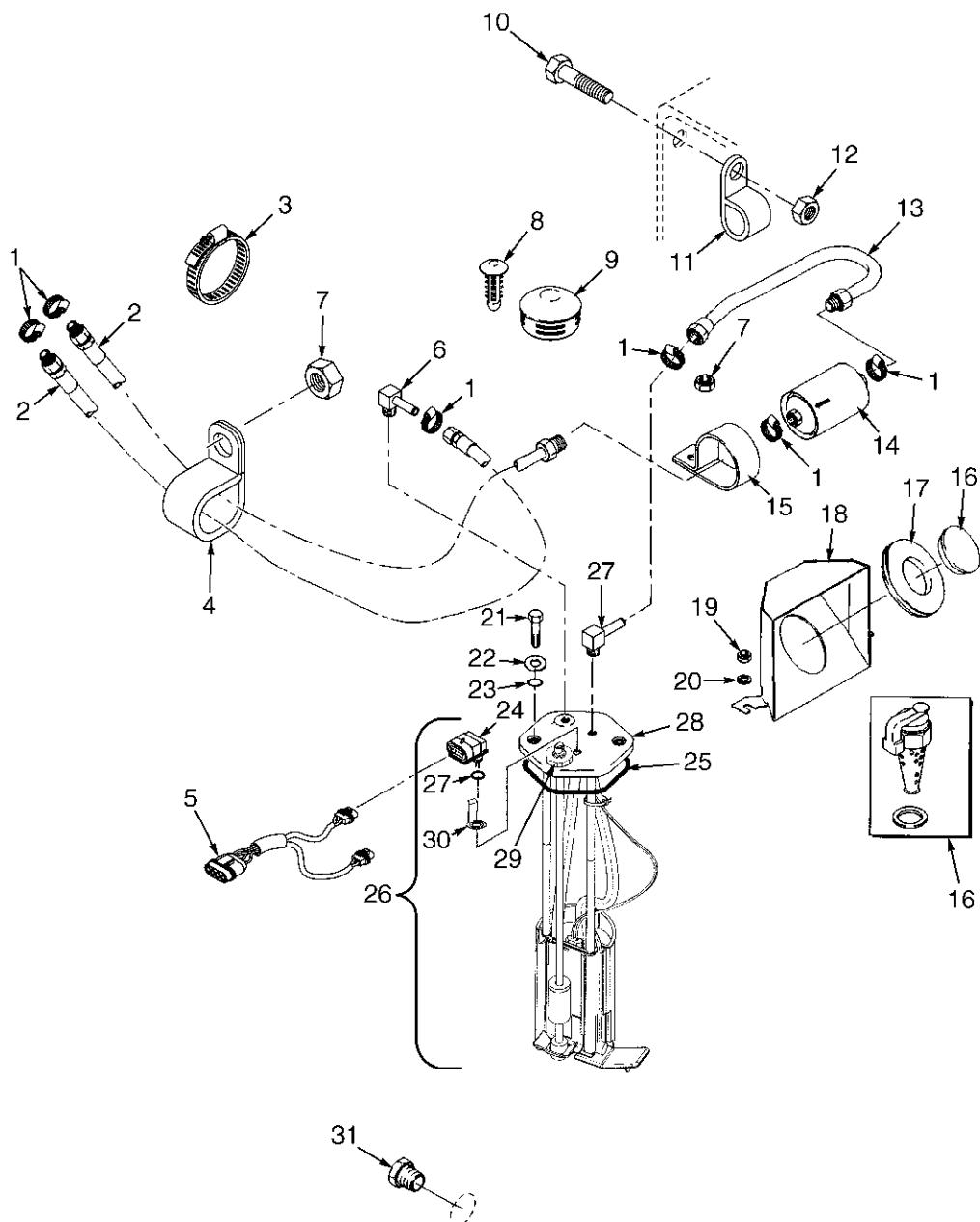


HP130752

FUEL SYSTEM
LPG 2.0L AND 2.2L
CLOSED LOOP
(S/N H177B-26764Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	353311	Clamp	4
2	1474043	Hose (LPG Vapor)	1
3	1490465	Hose	1
4	2042799	Fender	1
5	1479091	Bracket.....	2
6	239503	Nut	6
7	292681	Lockwasher.....	6
8	296418	Washer	4
9	1469347	Bracket.....	1
10	63108	Fitting.....	1
11	16694	Fitting.....	1
12	16764	Fitting.....	1
13	292509	Capscrew.....	2
14	1483891	Bracket.....	1
15	1475409	Clamp	1
16	260878	Hose	2
17	1487199	Regulator (Closed Loop) (☞ Figure 3-20)	1
18	1471694	Resonator	1
18	1479532	Plug	1
18	1479533	Clip	1
19	12822	Fitting.....	1
20	130845	Clamp	4
21	168718	Clamp	2
22	15964	Fitting.....	1
23	1451568	Plate	1
24	280472	Sealant	AR
25	329067	Screw.....	2
26	1352123	Cap	1
27	1487190	Switch (Idle).....	1
28	1487192	Switch (W.O.T.)	1
29	1487968	Bracket.....	1
30	1487969	Clamp	1
31	287817	Capscrew.....	2
32	292680	Lockwasher.....	2
33	136687	Nut	1
34	377209	Hose	2
35	1351146	Fitting.....	1
36	381938	Hose	1
37	1476419	Fitting.....	1
38	1479539	Fitting.....	1
39	14385	Fitting.....	1
40	369815	Clamp	1

FUEL SUPPLY SYSTEM (Figure 3-11) 2.0L AND 2.2L GASOLINE EPA COMPLIANT



BP130045

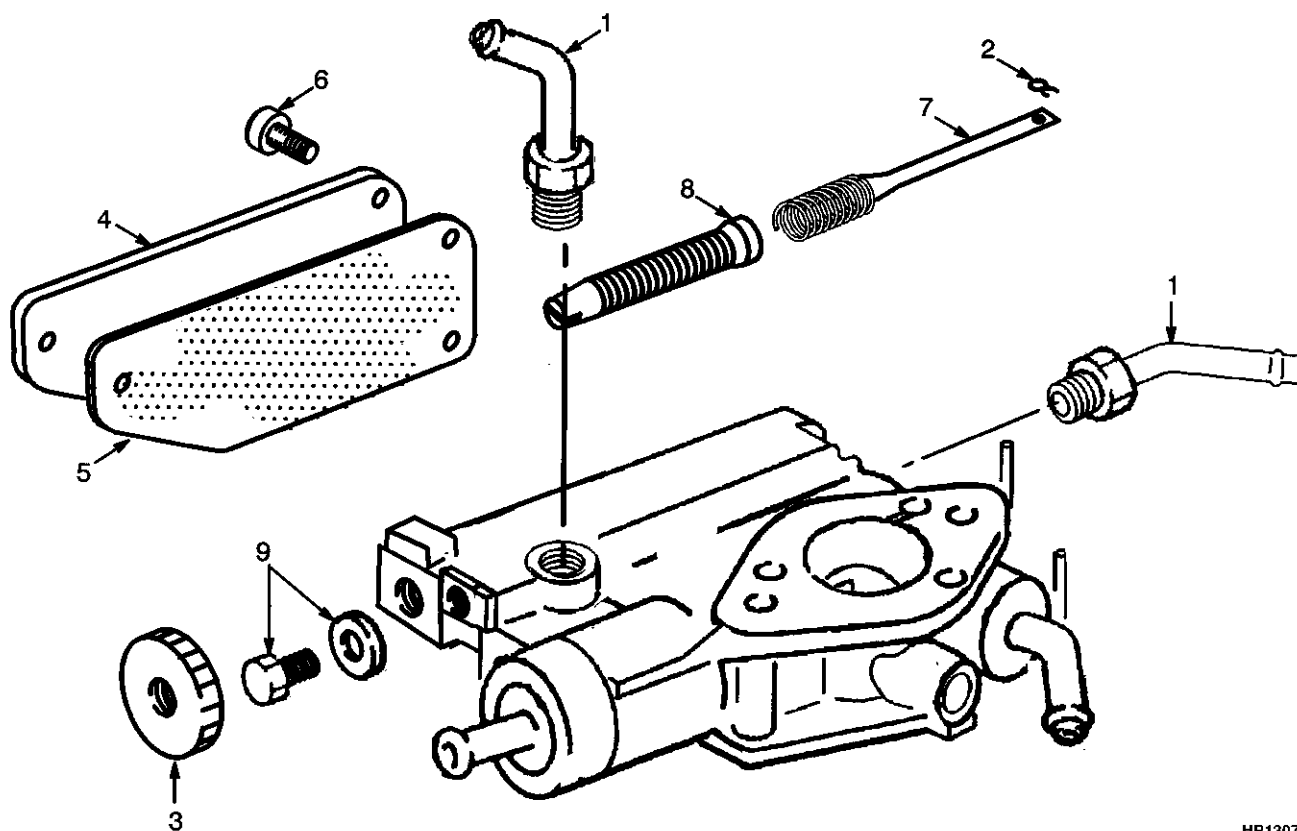
FUEL SUPPLY SYSTEM

2.0L AND 2.2L GASOLINE

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	168718	Clamp	6
2	8524474	Hose	2
3	323864	Strap Clamp.....	1
4	1347314	Insulated Clamp.....	1
5	1371170	Wire Harness (☞ Figure 4-48)	1
6	192306	Fitting.....	2
7	1502543	Nut (Flange).....	2
8	1347045	Fastener.....	1
9	1350231	Plug	1
10	1527876	Capscrew.....	1
11	113341	Clamp (Insulated)	1
12	1514429	Nut (Flange).....	1
13	8522272	Hose	1
14	1304950	Fuel Filter.....	1
15	1316496	Clamp (Insulated)	1
16	160773	Cap (Standard)	1
16	63899	Cap Assembly (Optional).....	1
16	138880	Shim (0.020 in.) (Optional)	1
17	1339720	Grommet.....	1
18	1376746	Shield.....	1
19	313828	Nut	2
20	320158	Washer	2
21	329067	Screw.....	2
22	320157	Washer	2
23	353000	O-Ring	2
24	1343449	Seal	1
24	1371149	Connector	1
26	1532232	Fuel Pump And Sender	1
27	1330325	O-Ring.....	1
28	1532253	Cover.....	1
29	1371107	Sender.....	1
30	1330326	Clip Nut.....	1
33	15964	Fitting.....	1

GOVERNOR (Figure 3-12) GASOLINE 2.0L

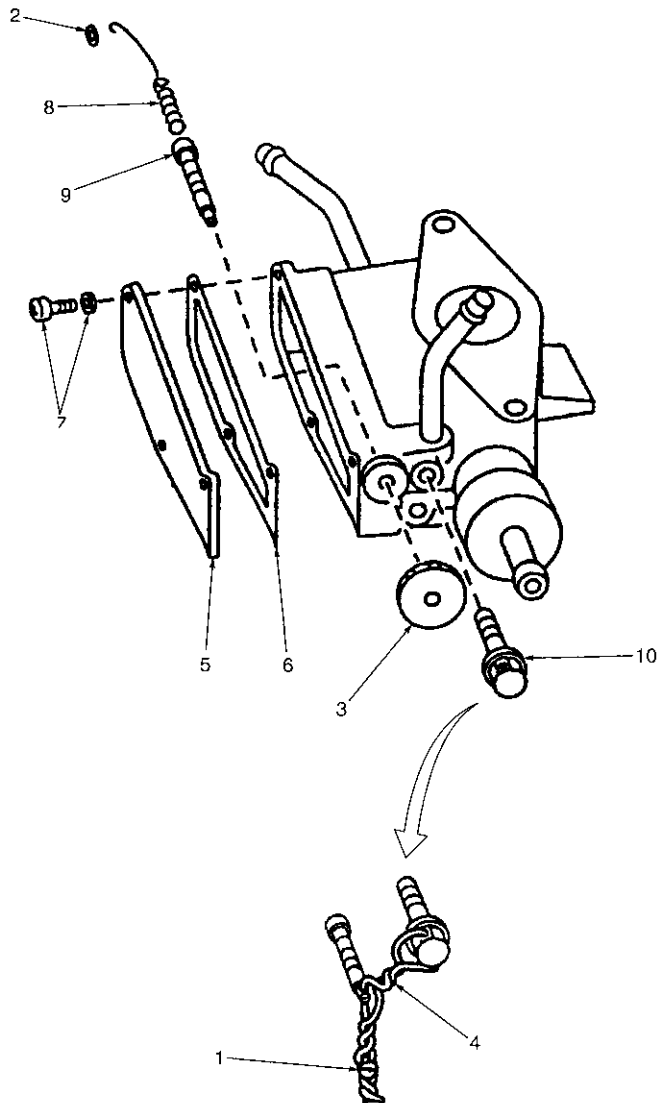


HP130760

**GOVERNOR
GASOLINE 2.0L**

ITEM	PART NO.	DESCRIPTION	QTY
	1361751	Governor.....	1
1	1367517	Connector.....	2
2	1367519	Snap Ring.....	1
3	1367520	Bushing	1
4	1367522	Cover	1
5	1367523	Gasket	1
6	1367524	Screw	3
7	1367525	Spring	1
8	1367526	Screw	1
9	1367527	Bolt	1

GOVERNOR (Figure 3-13) LPG 2.0L AND 2.2L (S/N H177B-23394⇒)

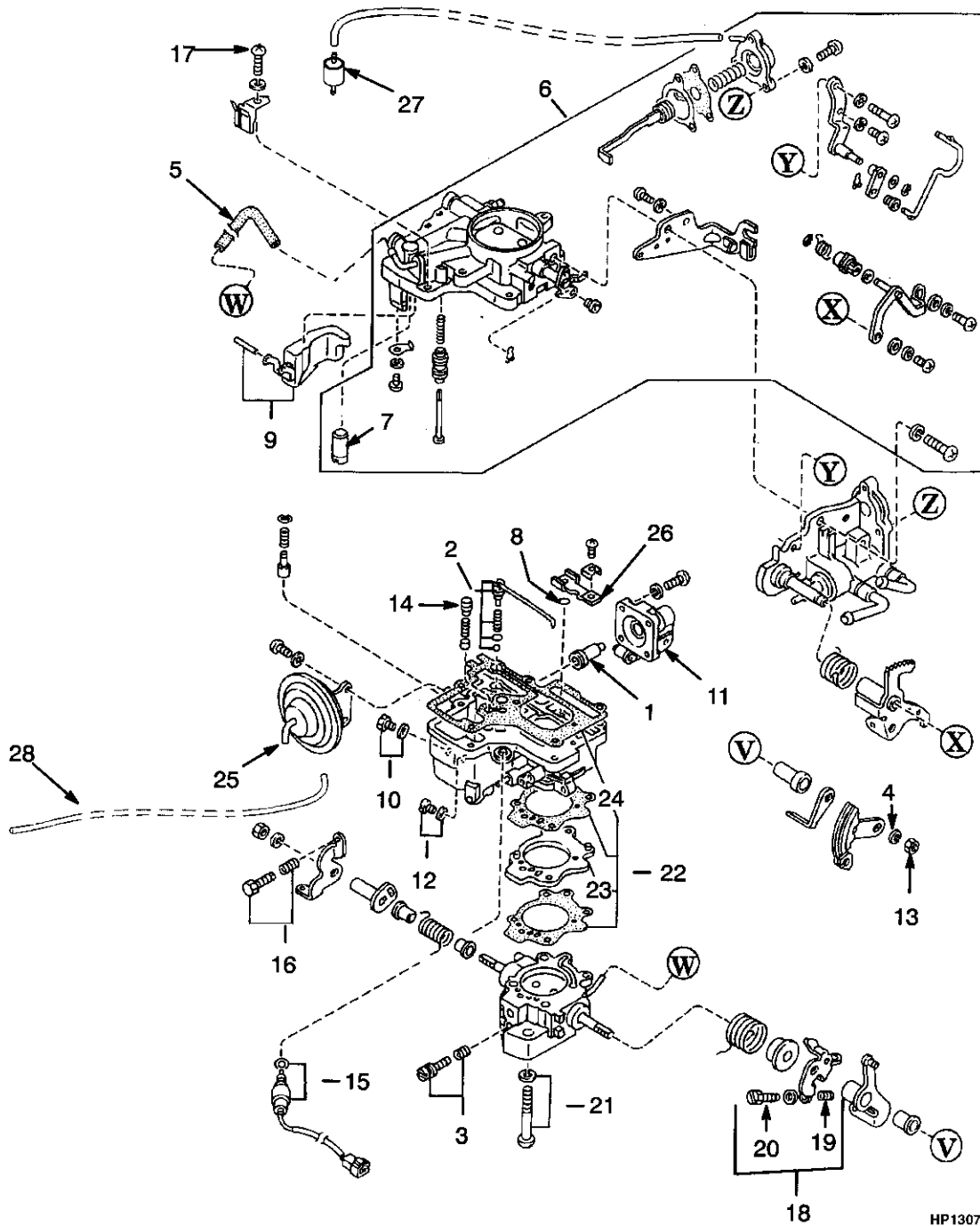


HP130765

**GOVERNOR
LPG 2.0L AND 2.2L
(S/N H177B-23394⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	1495422	Governor (2.0L)	1
	1495423	Governor (2.2 L)	1
	1512088	Governor (2.2L EPA Compliant)	1
1	1367518	Seal	1
2	1367519	Snap Ring.....	1
3	1367520	Bushing	1
4	1367521	Wire	1
5	1367522	Cover.....	1
6	1367523	Gasket.....	1
7	1367524	Screw	3
8	1367525	Spring.....	1
9	1367526	Screw	1
10	1367527	Bolt	1

CARBURETOR (Figure 3-14) GASOLINE 2.0L AND 2.2L

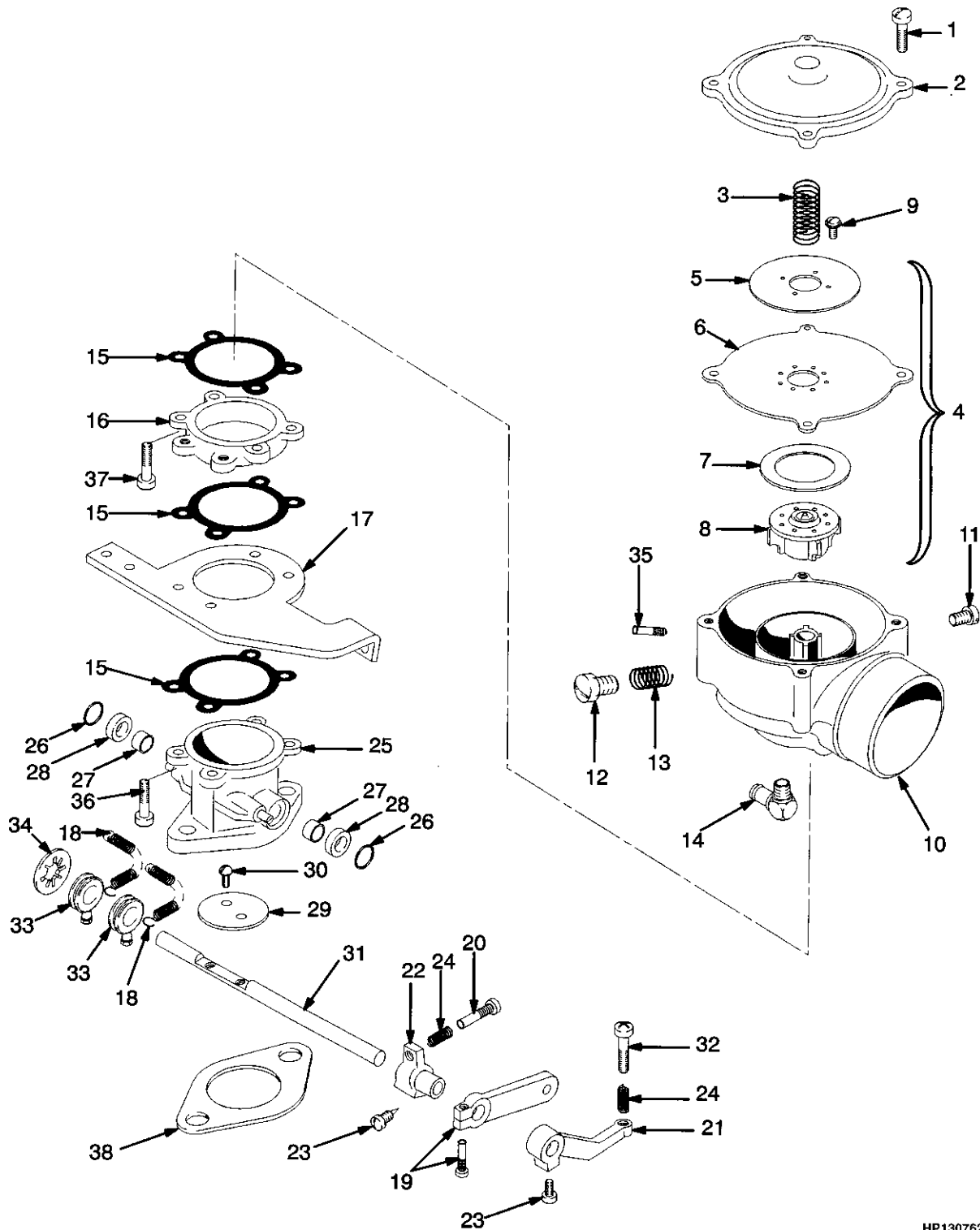


HP130761

**CARBURETOR
GASOLINE 2.0L AND 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	1460225	Carburetor.....	1
1	1361768	Pump.....	1
2	1361769	Nozzle	1
3	1361770	Set Screw	1
4	1361772	Washer	2
5	1361773	Hose	1
6	1361774	Horn	1
7	1361771	Valve	1
8	1361775	O-Ring.....	1
9	1361776	Float	1
10	1361777	Plug	1
11	1382673	Arm.....	1
12	1361779	Jet.....	1
13	1361780	Nut.....	2
14	1361781	Jet.....	1
15	1361782	Valve.....	1
16	1361783	Set Screw	1
17	1361784	Screw and Washer	1
18	1361785	Set Screw	1
19	2037064	Screw	1
20	2037065	Screw	1
21	1361786	Screw	1
22	1361787	Gasket Kit.....	1
23	2037066	Gasket.....	1
24	2037067	Insulator	1
25	1361788	Diaphragm.....	1
26	1361789	Compensator.....	1
27	1390858	Jet.....	1
28		Vacuum Tube.....	1

CARBURETOR (Figure 3-15) LPG 2.0L (⇒S/N H177B-9725)



HP130762

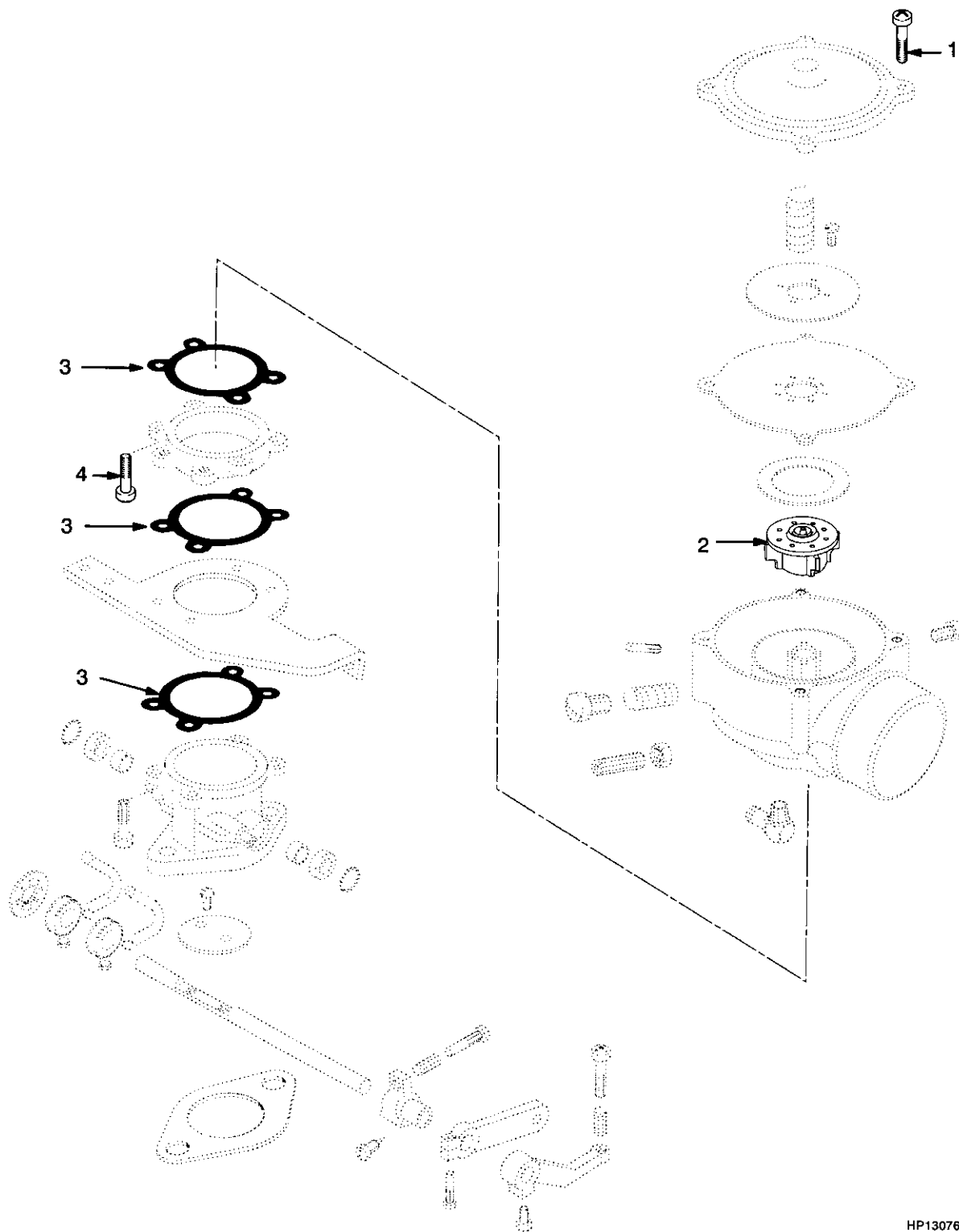
CARBURETOR

LPG 2.0L

(⇒S/N H177B-9725)

ITEM	PART NO.	DESCRIPTION	QTY
	1376621	Carburetor.....	1
1	132473	Screw	4
2	204780	Cover.....	1
3	374713	Spring.....	1
4	1453779	Valve and Diaphragm Kit.....	1
5		Back-Up Plate	1
6	1369038	Diaphragm	1
7	204858	Ring.....	1
8		Valve	1
9	220283	Screw	4
10	250371	Horn Body	1
11	326926	Screw	1
12	326516	Screw	1
13	332277	Spring.....	1
14	1361164	Fitting.....	1
15	204787	Gasket.....	3
16	303072	Spacer.....	1
17	1358239	Bracket	1
18	1358245	Spring.....	2
19	1375905	Lever.....	1
20	16751	Screw	1
21	1358241	Lever.....	1
22	1358242	Lever.....	1
23	1358243	Screw	4
24	204824	Spring.....	2
25	1358240	Throttle Body	1
26	204797	Seal.....	2
27	1382059	Seal.....	2
28	214121	Bearing.....	2
29	241074	Flywheel.....	1
30	12490	Screw	2
31		Shaft	1
32	1374057	Screw	1
33	387478	Bushing	2
34	387480	Nut.....	1
35	323541	Fitting.....	1
36	204790	Screw	4
37	387481	Screw	4
38	195771	Gasket.....	1

CARBURETOR (Figure 3-16) LPG 2.0L (S/N H177B-9725⇔S/N H177B-23393)



HP130763

CARBURETOR
LPG 2.0L
(S/N H177B-9725⇔S/N H177B-23393)

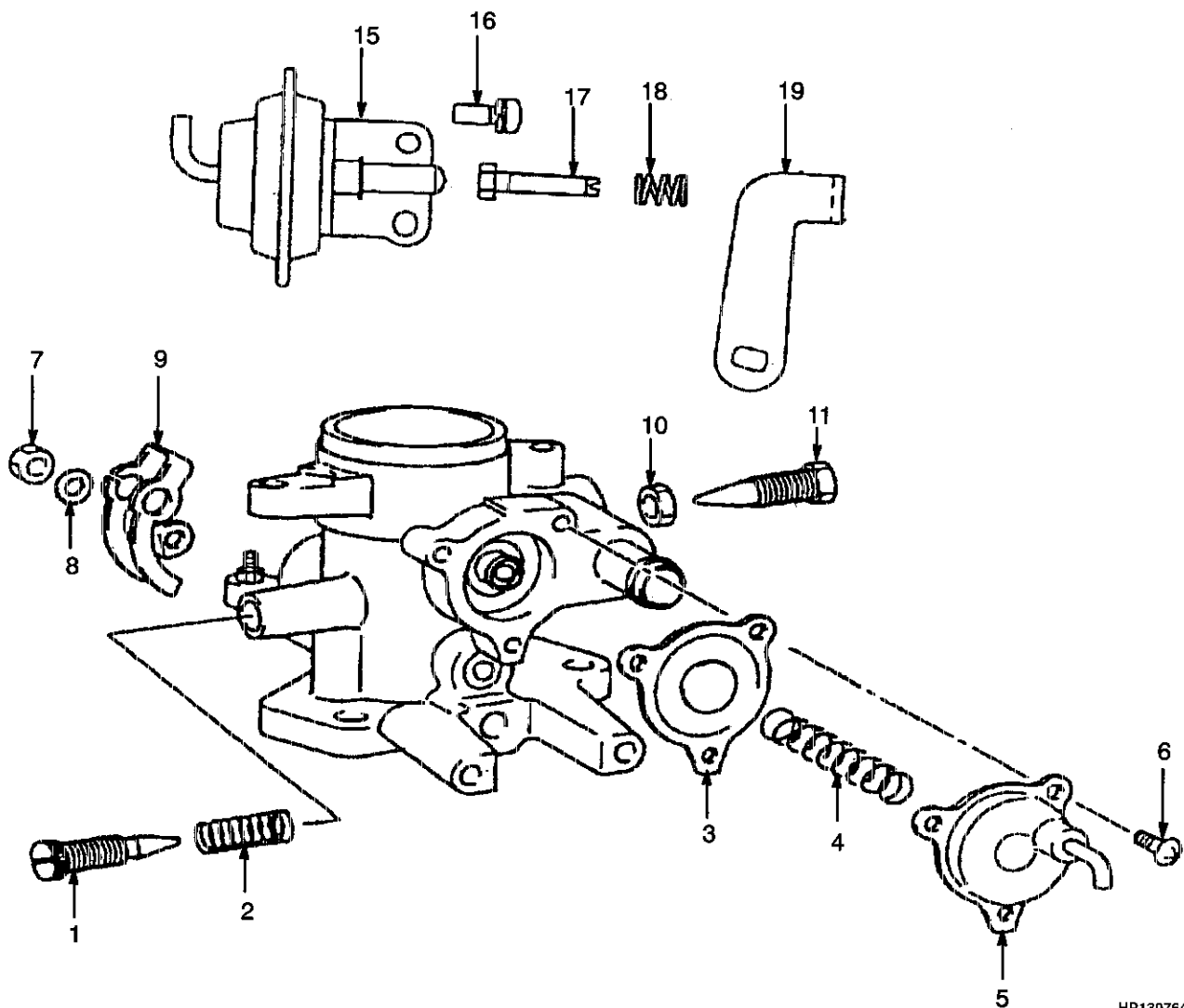
ITEM	PART NO.	DESCRIPTION	QTY
	1460684	Carburetor.....	1
1	132473	Screw	4
2	1463249	Valve.....	1
3	204787	Gasket.....	3
4	204790	Screw	4

CARBURETOR (Figure 3-17)

LPG 2.0L AND 2.2L

OPEN LOOP

(S/N H177B-23394⇒)



HP130764

CARBURETOR
LPG 2.0L AND 2.2L
OPEN LOOP
(S/N H177B-23394⇒)

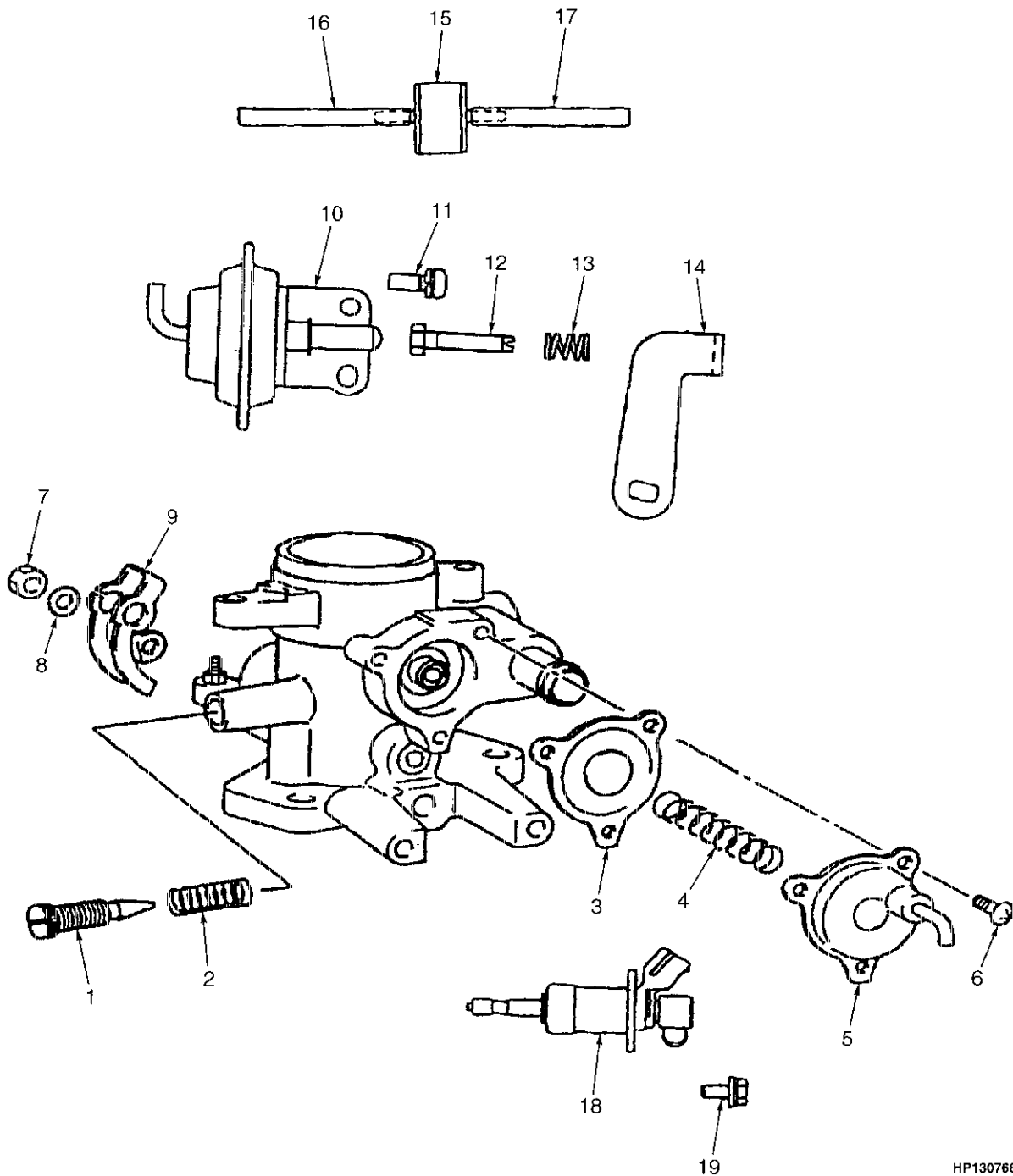
ITEM	PART NO.	DESCRIPTION	QTY
	1493246	Carburetor.....	1
1	1493247	Screw	1
2	1493248	Spring	1
3	1493249	Diaphragm	1
4	1493250	Spring	1
5	1493251	Cover	1
6	1493252	Screw	3
7	1493253	Nut.....	1
8	1493254	Washer	1
9	1493255	Lever.....	1
10	1493256	Nut (Power Adjust)	1
11	1493257	Screw (Adjust)	1
12	1493258	Gasket	1
13	1493259	Plug	1
14	1493260	Jet.....	1
15	1493261	Diaphragm	1
16	1493262	Screw	2
17	1493263	Bolt	1
18	1493264	Spring (Idle Adjust).....	1
19	1493265	Lever.....	1

CARBURETOR (Figure 3-18)

LPG 2.0L AND 2.2L

CLOSED LOOP

(S/N H177B-30074Y⇒)



HP130768

CARBURETOR
LPG 2.0L AND 2.2L
CLOSED LOOP
(S/N H177B-30074Y⇒)

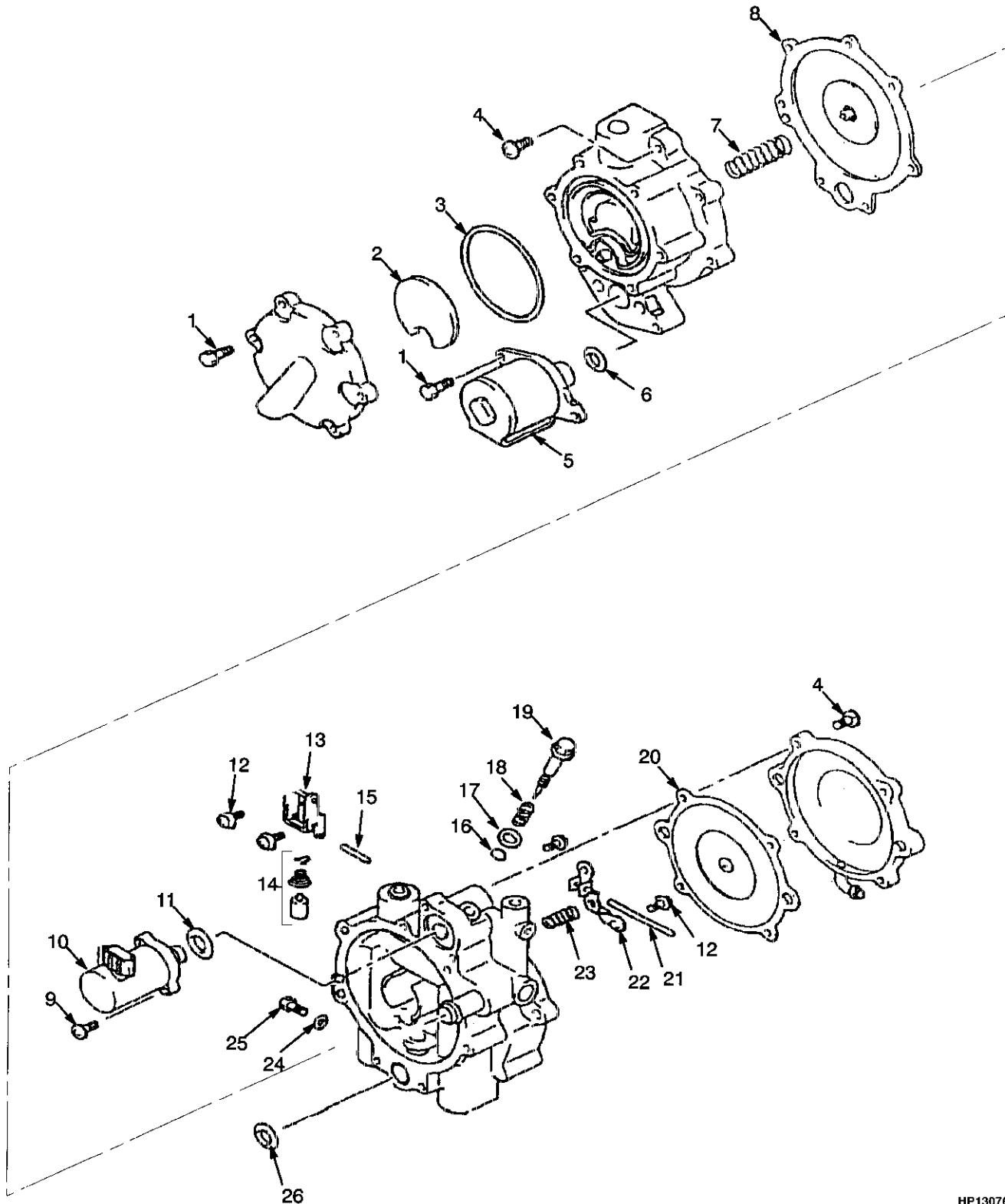
ITEM	PART NO.	DESCRIPTION	QTY
	1493299	Carburetor.....	1
1	1493247	Screw (Adjust)	1
2	1493248	Spring	1
3	1493249	Diaphragm	1
4	1493250	Spring	1
5	1493251	Cover	1
6	1493252	Screw	3
7	1493253	Nut.....	1
8	1493254	Washer	1
9	1493255	Lever.....	1
10	1493261	Diaphragm	1
11	1493262	Screw	2
12	1493263	Bolt	1
13	1493264	Spring (Idle Adjust).....	1
14	1493265	Lever.....	1
15	1350400	Valve.....	1
16	1493266	Hose (Vacuum).....	1
17	1493267	Hose (Vacuum).....	1
18	1495124	Injector Assembly	1
19	1495125	Bolt	1

REGULATOR (Figure 3-19)

OPEN LOOP

2.0L, 2.2L, AND 3.0L

(S/N H177B-23394⇒, S/N H177B-30074Y⇒)



HP130766

**REGULATOR
OPEN LOOP
2.0L, 2.2L, AND 3.0L
(S/N H177B-23394⇒, S/N H177B-30074Y⇒)**

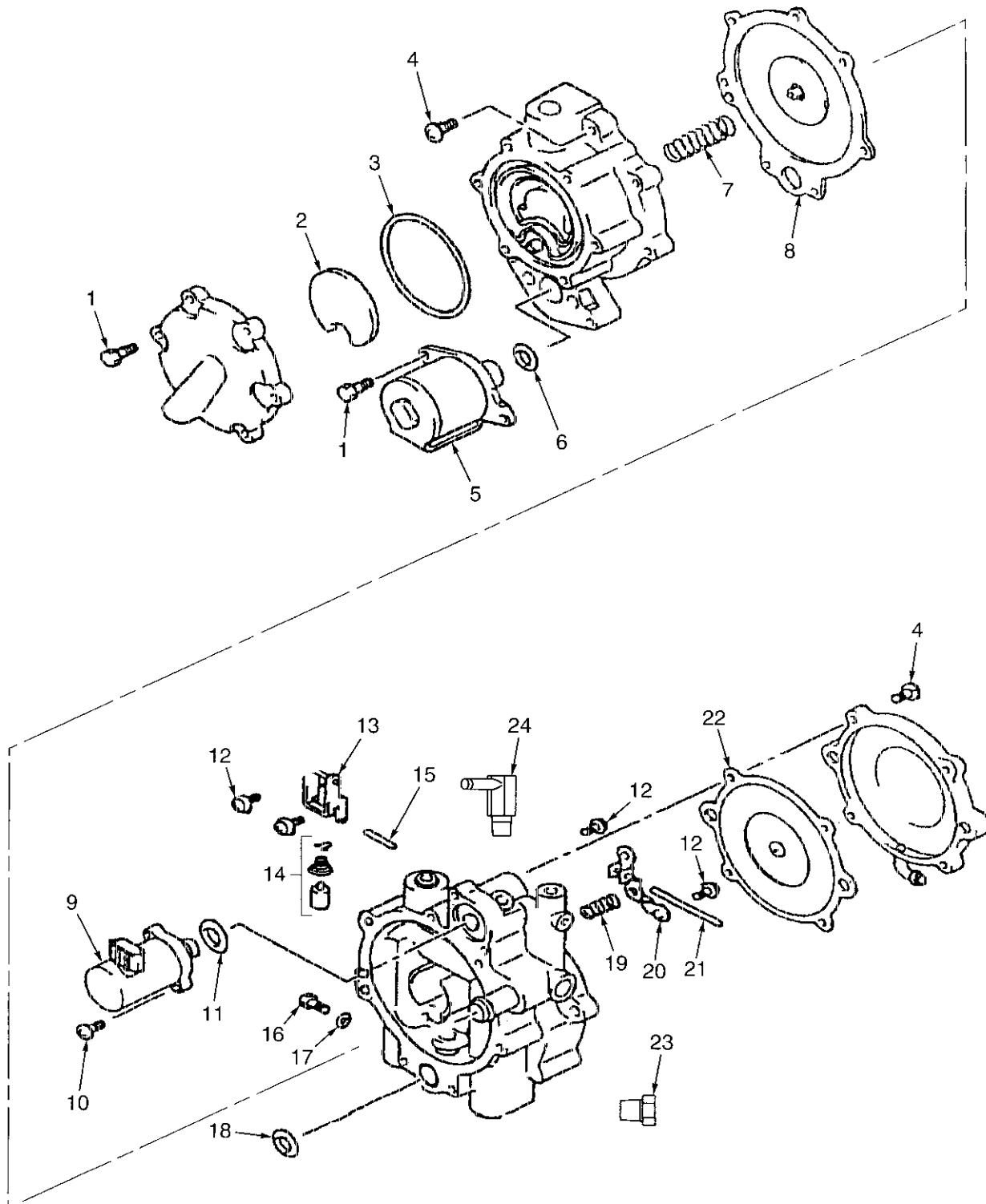
ITEM	PART NO.	DESCRIPTION	QTY
	1469346	Regulator	1
1	1479503	Bolt	8
2	1479504	Filter	1
3	1479505	O-Ring	1
4	1479507	Screw	11
5	1479508	Valve	1
6	1479509	O-Ring	1
7	1479510	Spring (First Regulator)	1
8	1479511	Diaphragm (First Regulator)	1
9	1479513	Screw	2
10	1496172	Valve (Solenoid)	1
11	1479514	O-Ring	1
12	1479515	Screw	4
13	1479516	Lever	1
14	1479517	Valve	1
15	1479518	Pin	1
16	1479522	O-Ring	1
17	1479523	Washer	1
18	1479524	Spring (Idle Adjust)	1
19	1479525	Screw (Idle Adjust)	1
20	1479529	Diaphragm (Second Regulator)	1
21	1479528	Pin	1
22	1479527	Valve	1
23	1479526	Spring (Second Regulator)	1
24	1479520	Gasket	1
25	1479519	Plug	1
26	1479521	O-Ring	1
	1479530	Valve Kit (Includes Items 14-15, 21-22)	1
	1479531	Diaphragm Kit (Includes Items 2-3, 6, 11, 16, 20, 26)	1

REGULATOR (Figure 3-20)

CLOSED LOOP

2.0L, 2.2L, AND 3.0L

(S/N H177B-23394Y⇒, S/N H177B-30074Y⇒)



YP130500

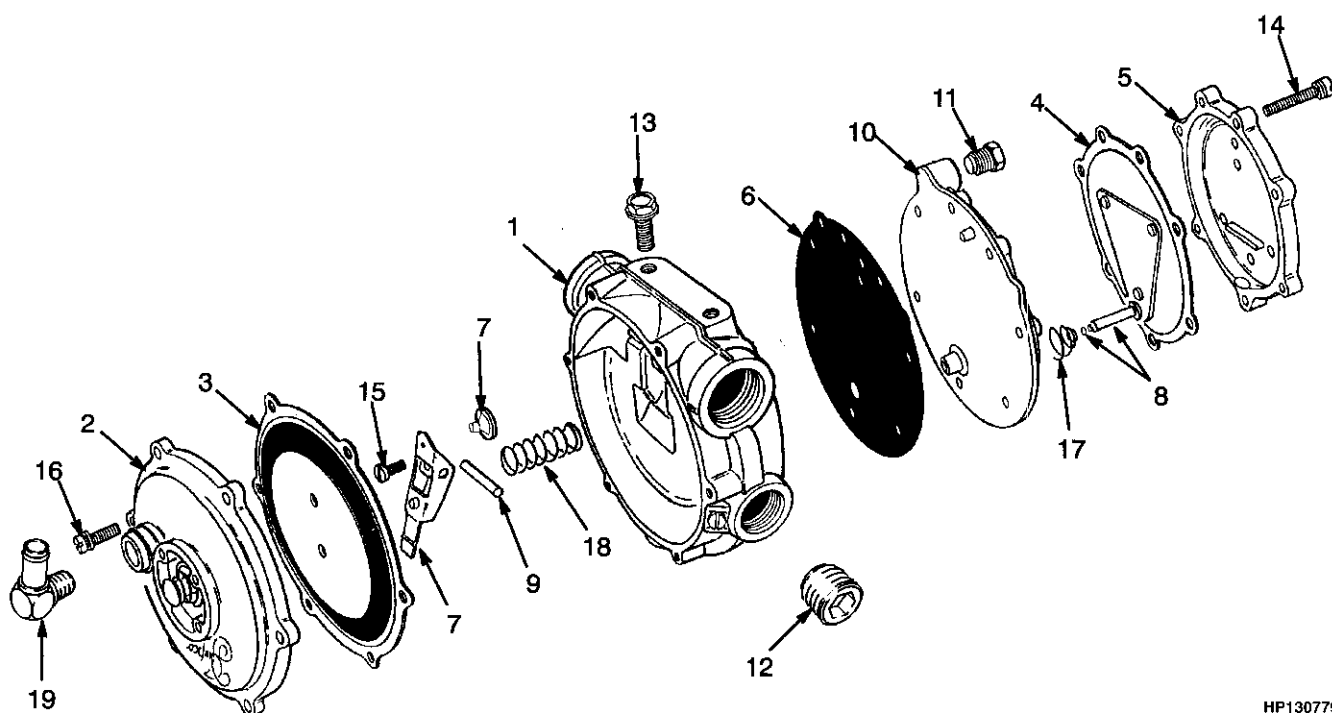
**REGULATOR
CLOSED LOOP
2.0L, 2.2L, AND 3.0L
(S/N H177B-23394Y⇒, S/N H177B-30074Y⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	1487199	Regulator	1
1	1479503	Bolt (With Washer)	8
2	1479504	Filter	1
3	1479505	O-Ring	1
4	1479507	Screw	11
5	1479508	Valve	1
6	1479509	O-Ring	1
7	1479510	Spring (First Regulator)	1
8	1479511	Diaphragm (First Regulator)	1
9	1496172	Valve (Solenoid)	1
10	1479513	Screw	2
11	1479514	O-Ring	1
12	1479515	Screw	4
13	1479516	Lever	1
14	1479517	Valve	1
15	1479518	Pin	1
16	1479519	Plug	1
17	1479520	Gasket	1
18	1479521	O-Ring	1
19	1479526	Spring (Second Regulator)	1
20	1479527	Valve	1
21	1479528	Pin	1
22	1479529	Diaphragm (Second Regulator)	1
23	1493624	Plug	1
24	1495121	Fitting	1
	1479530	Valve Kit (Includes Items 14-15, 20)	1
	1479531	Diaphragm Kit (Includes Items 2-3, 6, 8, 11, 18, 22)	1

CONVERTER (Figure 3-21)

LPG

(⇒S/N H177B-01786)



HP130779

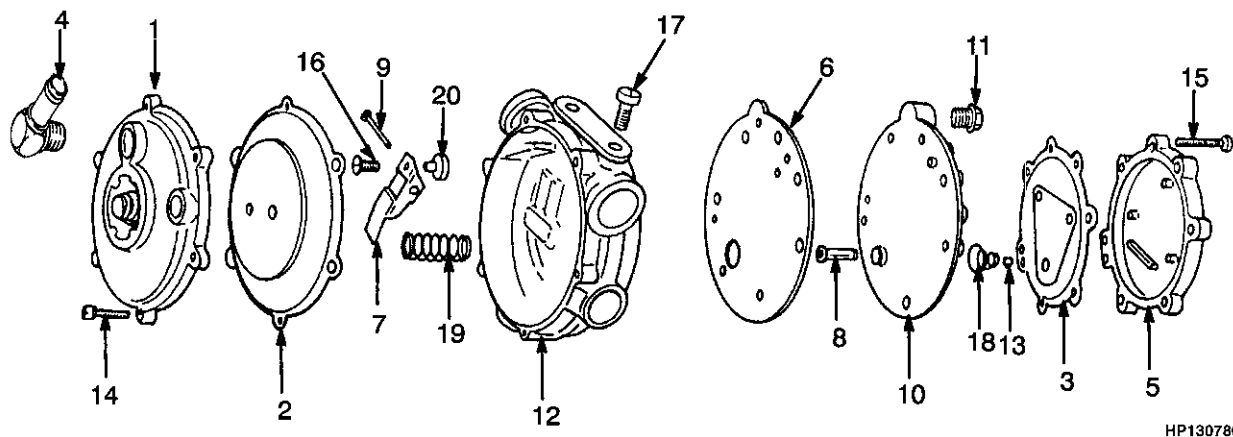
CONVERTER **LPG** **(⇒S/N H177B-01786)**

ITEM	PART NO.	DESCRIPTION	QTY
	1369572	Converter.....	1
1	1455310	Body	1
2		Cover.....	1
3	1375047	Diaphragm (Secondary)	1
4		Diaphragm (Primary).....	1
5	1375037	Cover (Primary)	1
6		Gasket.....	1
7	204829	Lever Assembly (Secondary)	1
7		Seat.....	1
8	1376429	Pin	1
9	204830	Pin	1
10	1375029	Cover Plate.....	1
11	1357749	Plug	1
12	1357707	Plug	1
13	1369065	Screw and Washer	2
14	1450126	Screw	2
15	1455306	Screw	1
16	1450126	Screw	2
17	1375030	Spring.....	1
18	204831	Spring.....	1
19	1369066	Valve.....	1
	1375031	Repair Kit (Includes Items 3-4, 6-8, 14, 16).....	1

CONVERTER (Figure 3-22)

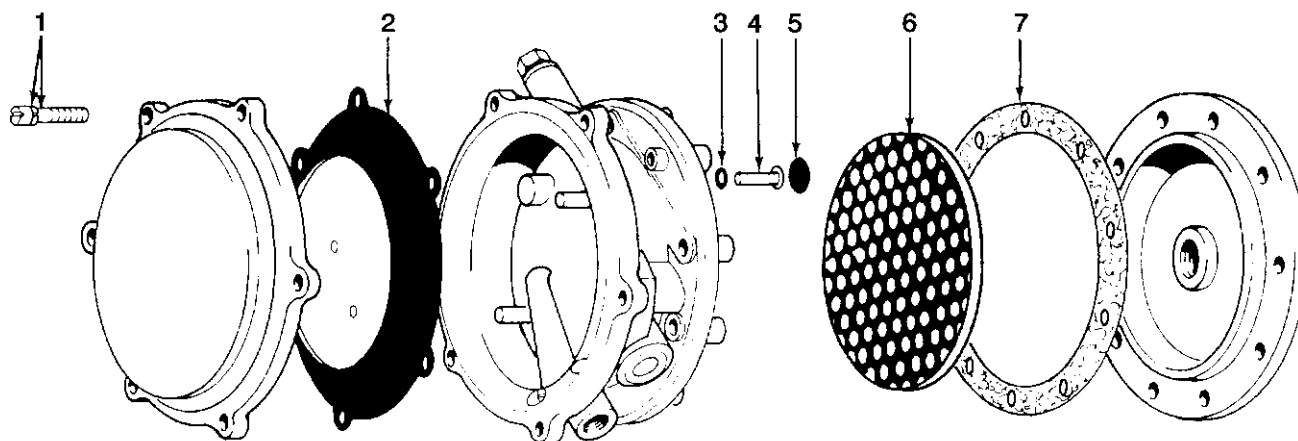
LPG

(S/N H177B-01787↔S/N H177B-23393)



CONVERTER **LPG** **(S/N H177B-01787↔S/N H177B-23393)**

ITEM	PART NO.	DESCRIPTION	QTY
	1457964	Convertor.....	1
1	1455309	Cover Assembly	1
2		Diaphragm Assembly	1
3		Diaphragm.....	1
4	1369066	Valve.....	1
5	1375037	Cover.....	1
6		Gasket.....	1
7	1357746	Lever.....	1
8		Valve Pin (Primary).....	1
9	204830	Pin	1
10	1375029	Cover Plate.....	1
11	1357749	Plug	1
12	1455310	Body	1
13		E-Ring	1
14	1450126	Screw	6
15	1455307	Capscrew	7
16	1455306	Screw	1
17	1369065	Screw and Washer	2
18	1455305	Spring.....	1
19	204831	Spring (Blue)	1
20		Seat.....	1
	1459717	Repair Kit (Includes Items 2-3, 6, 8, 13, 20)	1

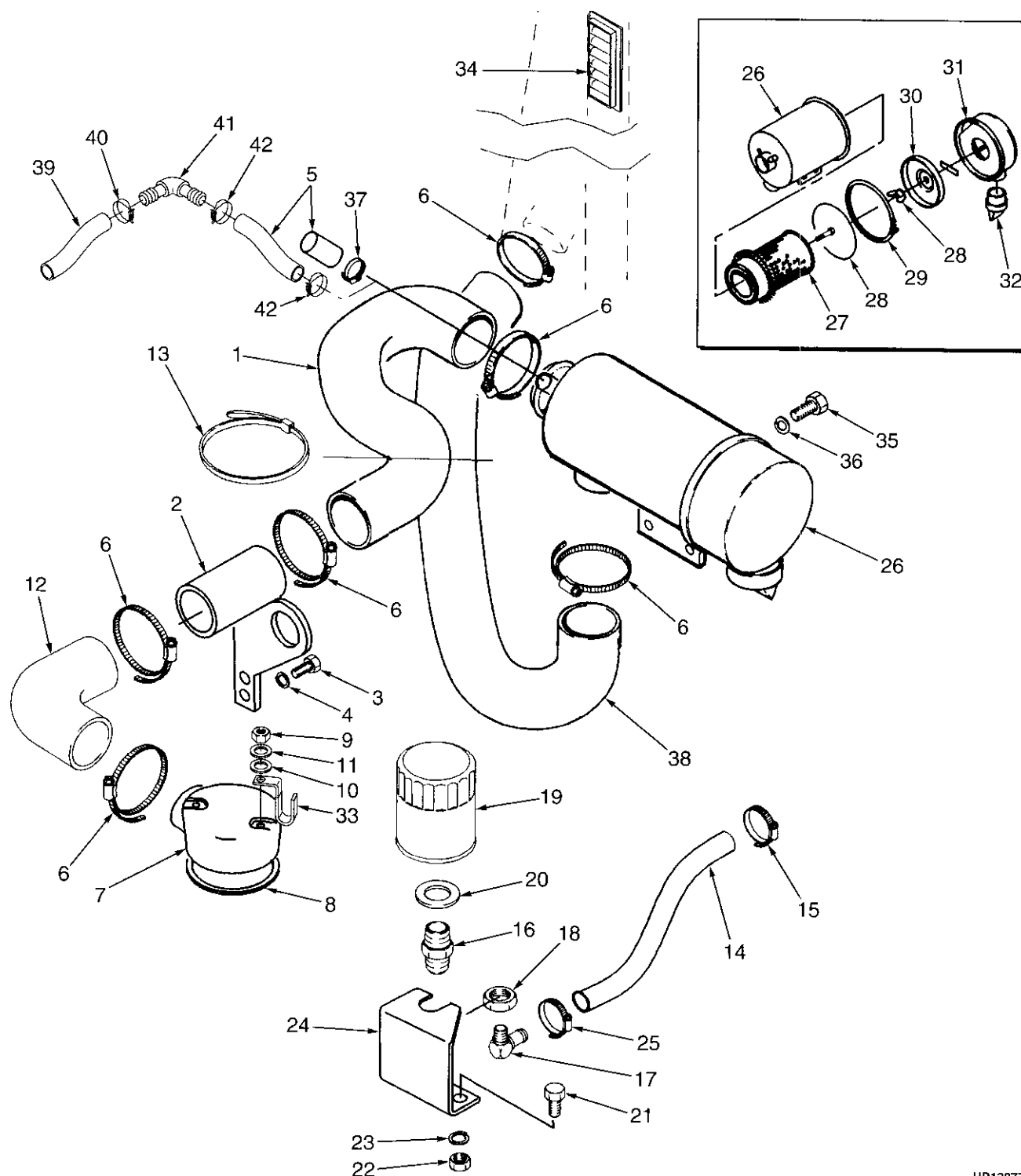
FILTER AND LOCK-OFF VALVE (Figure 3-23)**LPG****(⇒S/N H177B-23393)**

HP130778

FILTER AND LOCK-OFF VALVE
LPG
(⇒S/N H177B-23393)

ITEM	PART NO.	DESCRIPTION	QTY
	258321	Filter and Lock-Off Valve	1
1		Screw	2
1		Washer	2
2		Diaphragm	1
3		O-Ring	1
4		Screw	1
5		Valve Seat	1
6	263962	Filter	1
7		Gasket	1
	263958	Repair Kit (Includes Items 1-7)	1

AIR FILTER AND BREATHER (Figure 3-24) GASOLINE AND LPG 3.0L (⇒S/N H177B-30073Y)



HP130774

AIR FILTER AND BREATHER

GASOLINE AND LPG

3.0L

(⇒S/N H177B-30073Y)

KEY:**A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1375174	Hose (Intake)	1	1
2	1375696	Tube	1	1
3	16598	Capscrew	2	2
4	15156	Lockwasher	2	2
5	b 1359608	Plug	1	..
5	a 1359608	Plug	1	1
5	b 1487878	Hose	..	1
6	112989	Clamp	6	6
7	1375722	Cover	1	..
8	1347021	Gasket	1	..
9	313828	Nut	2	..
10	109919	Seal	2	..
11	320157	Washer	2	..
12	1375693	Hose	..	1
12	1375744	Hose	1	..
13	323864	Strap Clamp	1	1
14	1376726	Hose	1	1
15	130845	Clamp	1	1
16	1350042	Adapter	1	1
17	16788	Fitting	1	1
18	14761	Nut	1	1
19	1350036	Filter	1	1
20	1300152	Washer (Seal)	1	1
21	292500	Capscrew	2	2
22	136687	Nut	2	2
23	292680	Lockwasher	2	2
24	1376576	Bracket	1	1
25	166857	Clamp	1	1
26	1343635	Air Filter	1	1
27	305080	Element	1	1
28	125847	Nut and Gasket	1	1
29	290734	Clamp	1	1
30	290735	Baffle	1	1
31	374922	Cup	1	1
32	374923	Valve	1	1
33	1376670	Clamp	1	..
34	1339265	Grill	1	1
35	287854	Capscrew	2	2
36	292682	Lockwasher	2	2
37	166857	Clamp	1	1
38	1343638	Hose	1	1
39	b 931586	Hose	..	1
40	b 366473	Clamp	..	1
41	b 1487877	Fitting	..	1

**AIR FILTER AND BREATHER
GASOLINE AND LPG
3.0L
(⇒S/N H177B-30073Y)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
42	b 166857	Clamp	..	2
	996423	Repair Kit (Includes Item 27)	1	1

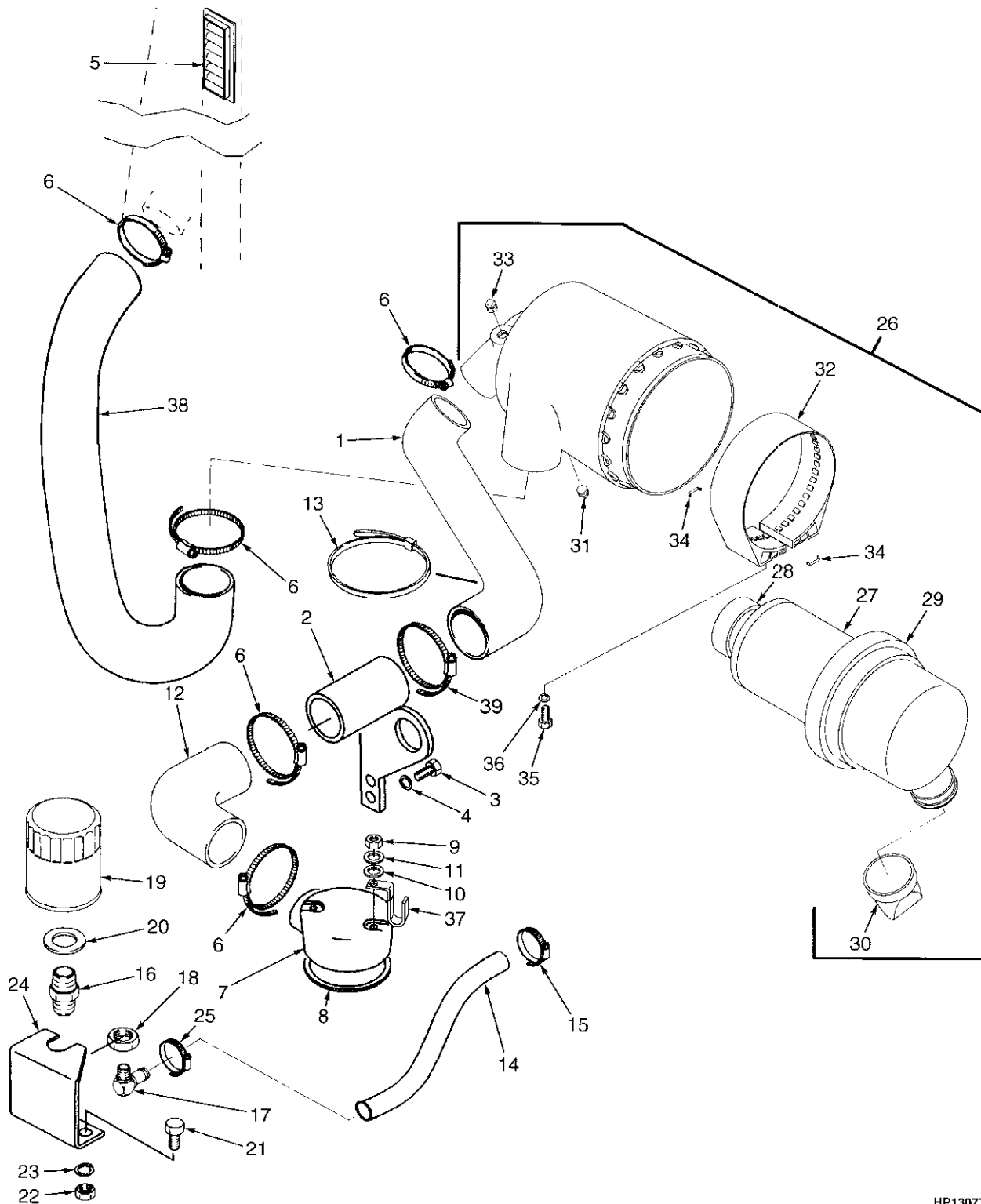
FOOTNOTES:**a** ⇒ S/N H177B-20721**b** S/N H177B-20722 ⇒

[illegible]

AIR FILTER AND BREATHER (Figure 3-25)

GASOLINE 3.0L

(S/N H177B-30074⇒)



HP130775

AIR FILTER AND BREATHER

GASOLINE 3.0L

(S/N H177B-30074⇒)

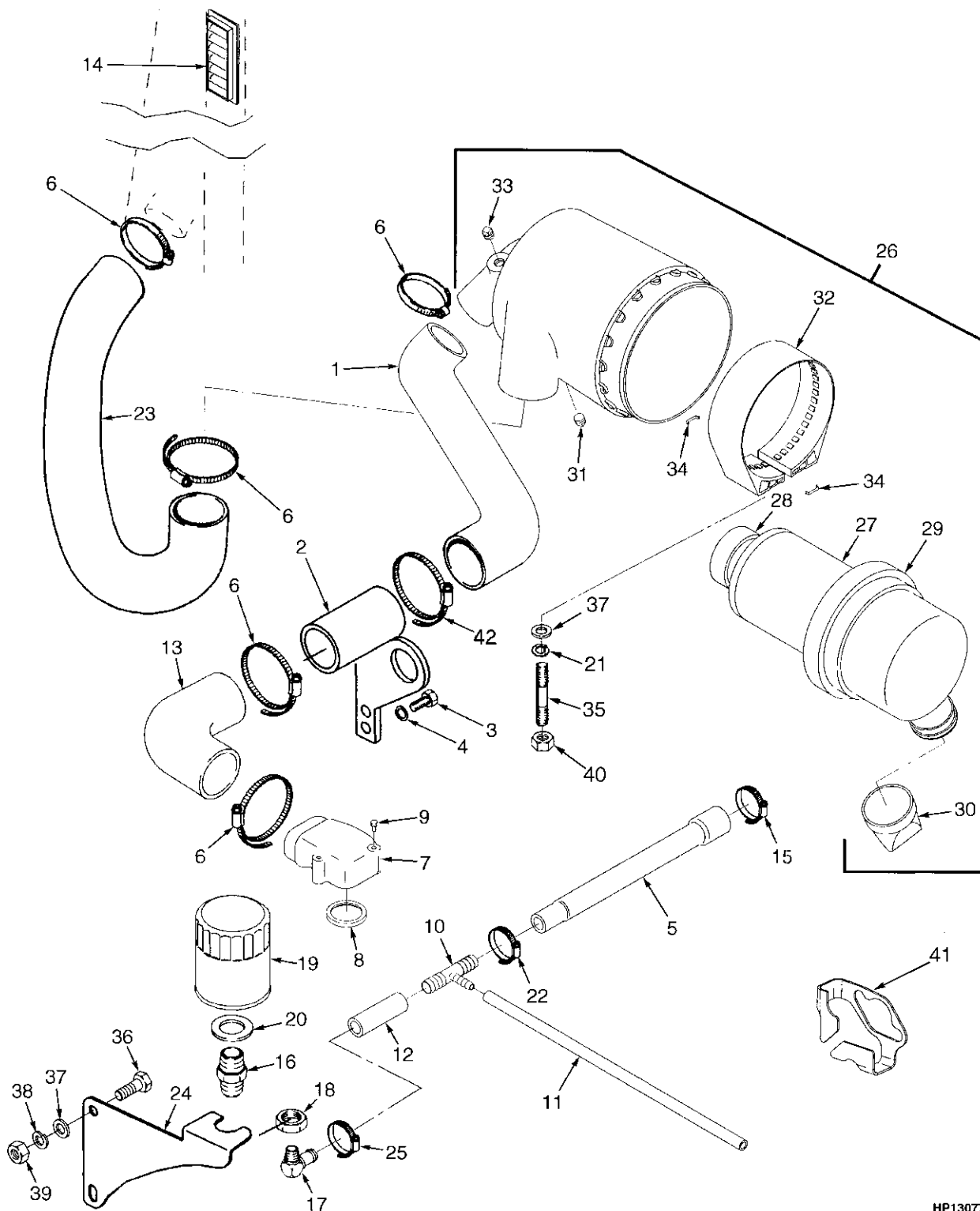
ITEM	PART NO.	DESCRIPTION	QTY
1	1484338	Hose (Intake)	1
2	1479246	Tube	1
3	16598	Capscrew	2
4	15156	Lockwasher	2
5	1339265	Grill	1
6	112989	Clamp	5
7	1375722	Cover	1
8	1347021	Gasket	1
9	313828	Nut	2
10	109919	Seal	2
11	320157	Washer	2
12	1375744	Hose	1
13	323864	Strap Clamp	1
14	1376726	Hose	1
15	130845	Clamp	1
16	1350042	Adapter	1
17	16788	Fitting	1
18	14761	Nut	1
19	1350036	Filter	1
20	1300152	Washer (Seal)	1
21	292500	Capscrew	2
22	136687	Nut	2
23	292680	Lockwasher	2
24	1525916	Bracket	1
25	166857	Clamp	1
26	b 1485320	Air Filter	1
26	a 1485321	Air Filter	1
27	1377080	Element	1
28	a 1452112	Element	1
29	1494023	Cover	1
30	1494024	Valve	1
31	1462442	Plug	1
32	1464029	Bracket	1
33	1377083	Plug	1
34	1494030	Clip	1
35	1376670	Clamp	1
36	1510786	Stud	2
37	292682	Lockwasher	2
38	1484337	Hose	1
39	1394008	Clamp	1

FOOTNOTES:**a** With Dual Element**b** With Single Element

AIR FILTER AND BREATHER (Figure 3-26)

LPG 3.0L

(S/N H177B-30074⇒)



HP130776

AIR FILTER AND BREATHER

LPG 3.0L

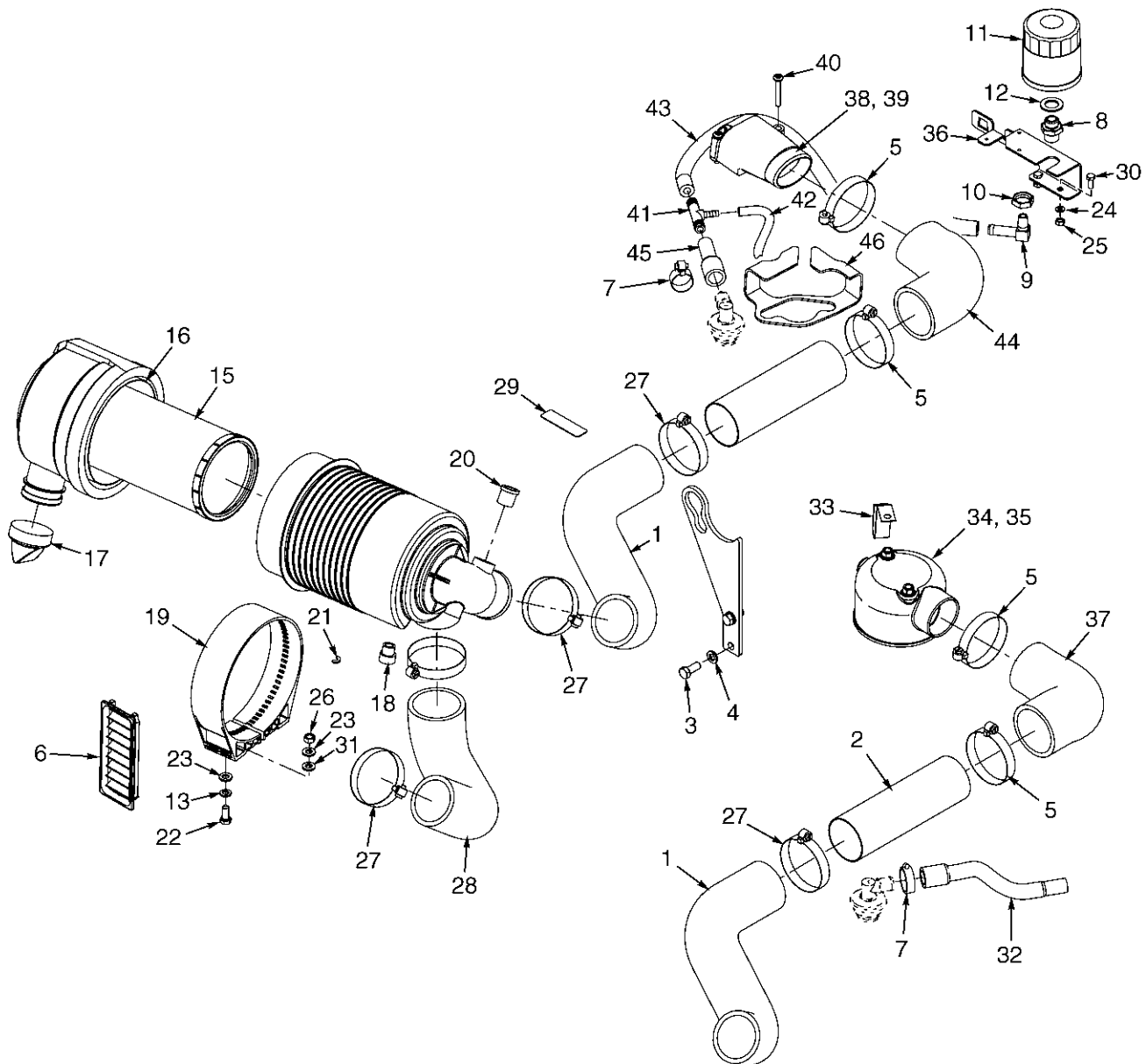
(S/N H177B-30074⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	1484338	Hose (Intake)	1
2	1503439	Tube	1
3	16598	Capscrew.....	2
4	15156	Lockwasher.....	2
5	1471613	Hose	1
6	112989	Clamp	5
7	1473806	Air Inlet	1
8	1475156	Seal	1
9	302053	Screw.....	2
10	1374916	Fitting.....	1
11	1507778	Hose	1
12	169233	Hose	1
13	1469351	Hose (Inlet)	1
14	1339265	Grill	1
15	130845	Clamp	1
16	1350042	Adapter	1
17	16788	Fitting.....	1
18	14761	Nut	1
19	1350036	Filter.....	1
20	1300152	Washer (Seal).....	1
21	292681	Lockwasher.....	2
22	166857	Clamp	1
23	1486707	Hose	2
24	1525923	Bracket.....	1
25	166857	Clamp	1
26	b 1485320	Air Filter	1
26	a 1485321	Air Filter	1
27	b 1377080	Element	1
28	a 1452112	Element	1
29	1494023	Cover.....	1
30	1494024	Valve.....	1
31	1462442	Plug	1
32	1464029	Bracket	1
33	1377083	Plug	1
34	1494030	Clip	1
35	1510786	Stud	2
36	136985	Capscrew.....	2
37	320157	Washer	2
38	292680	Lockwasher.....	2
39	136687	Nut	1
40	313828	Nut	2
41	1516072	Bracket.....	1
42	1394008	Clamp	1

FOOTNOTES:

- a** With Dual Element
b With Single Element

AIR FILTER AND BREATHER (Figure 3-27) GAS AND LPG 3.0L



HP130322

**AIR FILTER AND BREATHER
GAS AND LPG 3.0L****KEY:****A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1484338	Hose (Intake)	1	1
2	1503439	Tube	1	1
3	16598	Capscrew	2	2
4	15156	Lockwasher	2	2
5	112989	Clamp	2	2
6	1339265	Grill	1	1
7	130845	Clamp	1	1
8	1350042	Adapter	1	1
9	16788	Fitting	1	1
10	14761	Nut	1	1
11	1350036	Filter (Crankcase Breather)	1	1
12	1300152	Washer (Seal)	1	1
13	292681	Lockwasher	2	2
14	b 1485320	Air Filter	1	1
14	a 1485321	Air Filter	1	1
15	b 1377080	Element	1	1
15	a 1452112	Element	1	1
16	1494023	Cover	1	1
17	1494024	Valve	1	1
18	1462442	Plug	1	1
19	1464029	Bracket	1	1
20	1377083	Plug	1	1
21	1494030	Clip	1	1
22	1510786	Stud	2	2
23	320157	Washer	4	2
24	292680	Lockwasher	2	2
25	136687	Nut	2	2
26	313828	Nut	4	2
27	1394008	Clamp	4	4
28	1484337	Hose (Intake)	1	1
29	1516576	Label (Oil Fill)	1	1
30	292500	Capscrew	2	2
31	109919	Seal	2	..
32	1376726	Hose	1	..
33	1376670	Clamp	1	..
34	1375722	Cover	1	..
35	1347021	Gasket (Bonnet)	1	..
36	1376576	Bracket	1	..
36	1525916	Bracket	..	1
37	1375693	Hose (Intake)	1	..
38	1473806	Air Inlet	..	1
39	1475156	Seal	..	1
40	302053	Screw	..	2
41	1374916	Fitting	..	1
42	1507778	Hose	..	1
43	169233	Hose	..	1

**AIR FILTER AND BREATHER
GAS AND LPG 3.0L**

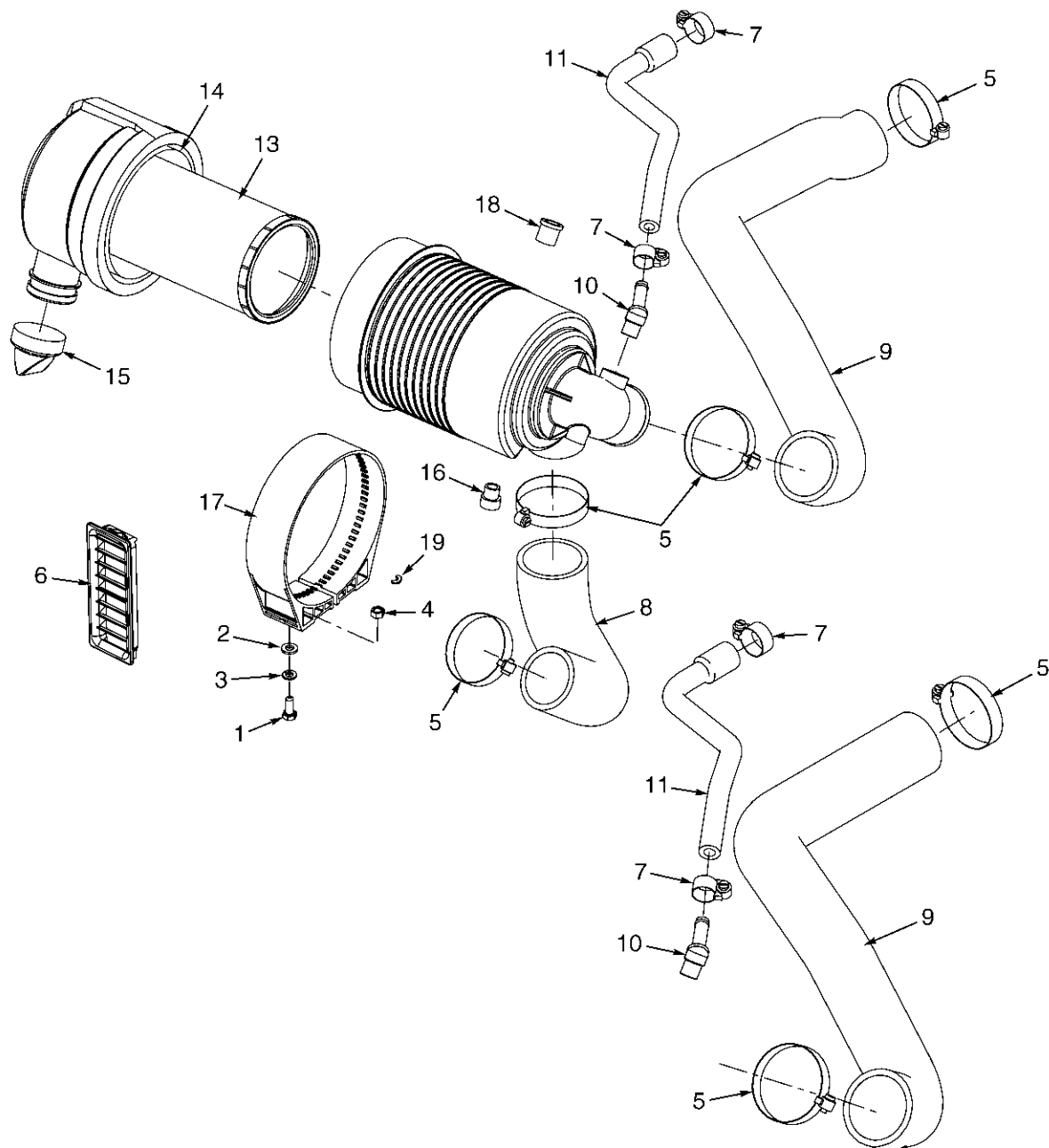
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
44	1469351	Hose (Inlet)	..	1
45	1507779	Hose	..	1
46	1516072	Bracket.....	..	1

FOOTNOTES:

- a** With Dual Element
b With Single Element

[illegible]

AIR FILTER AND BREATHER (Figure 3-28) GAS AND LPG 3.0L EPA COMPLIANT



HP130321

AIR FILTER AND BREATHER

GAS AND LPG 3.0L

EPA COMPLIANT

KEY:**A: Gasoline****B: LPG**

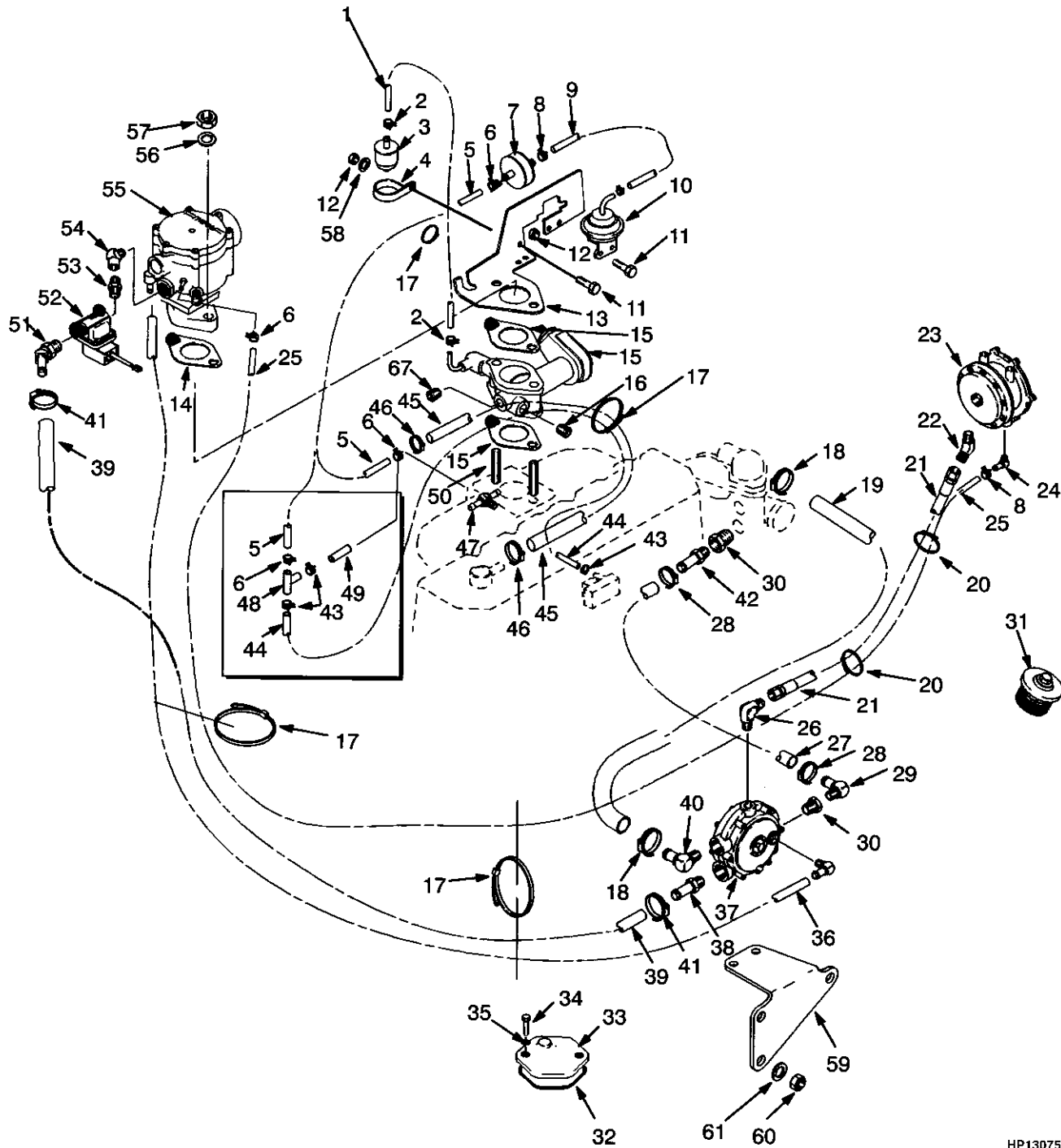
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1510786	Stud	2	2
2	320157	Washer	2	2
3	292681	Lockwasher.....	2	2
4	313828	Nut	2	2
5	1394008	Clamp	4	4
6	1339265	Grill	1	1
7	130845	Clamp	2	2
8	1484337	Hose (Intake)	1	1
9	2062421	Hose (Intake)	..	1
9	2062462	Hose (Intake)	1	..
10	16764	Fitting.....	1	1
11	1542479	Hose	1	1
12	b 1485320	Air Filter	1	1
12	a 1485321	Air Filter	1	1
13	b 1377080	Element	1	1
13	a 1452112	Element	1	1
14	1494023	Cover.....	1	1
15	1494024	Valve.....	1	1
16	1462442	Plug	1	1
17	1464029	Bracket	1	1
18	1377083	Plug	1	1
19	1494030	Clip	1	1

FOOTNOTES:**a** With Dual Element**b** With Single Element

FUEL SYSTEM (Figure 3-29)

LPG 3.0L

(⇒S/N H177B-30073Y)



HP130753

FUEL SYSTEM

LPG 3.0L

(⇒S/N H177B-30073Y)

ITEM	PART NO.	DESCRIPTION	QTY
1	c 1354114	Hose	1
1	b 1354117	Hose	1
2	369815	Clamp	2
3	1334847	Filter.....	1
4	1334845	Clamp	1
5	1360841	Hose	1
6	1333840	Clamp	1
6	a 1333840	Clamp	2
7	1350400	Valve	1
8	366473	Clamp	7
9	377209	Hose	1
10	1346872	Actuator	1
11	293743	Capscrew.....	2
12	316825	Nut	2
13	b 1389497	Bracket.....	1
13	c 1487940	Bracket.....	1
14	195771	Gasket	1
15	181763	Gasket	2
15	340405	Governor.....	1
16	14349	Fitting.....	2
16	246108	Sealant	AR
17	137852	Strap Clamp.....	5
18	b 130845	Clamp	2
18	c 168718	Clamp	2
19	b 1376666	Hose	1
19	c 893308	Hose	1
20	137852	Strap Clamp.....	6
21	113011	Hose	1
22	16863	Fitting.....	1
23	258321	Filter and Lock-Off Valve (⇒ Figure 3-23)	1
24	175347	Fitting.....	1
25	1375713	Hose	1
26	14358	Fitting.....	1
27	b 193008	Hose	1
27	c 893320	Hose	1
28	c 130845	Clamp	2
28	b 168718	Clamp	2
29	17215	Fitting.....	1
30	63108	Fitting.....	2
31	1352123	Cap	1
32	280472	Sealant	AR
33	1451568	Plate	1
34	329067	Screw.....	2
35	353000	O-Ring	2
36	b 1375711	Hose	1
37	1369572	Converter (LPG) (⇒ Figure 3-21, ⇒ Figure 3-22)	1
38	201797	Fitting.....	1
39	1376568	Hose	1
40	125305	Fitting.....	1
41	130845	Clamp	2

FUEL SYSTEM

LPG 3.0L

(⇒S/N H177B-30073Y)

ITEM	PART NO.	DESCRIPTION	QTY
42	17217	Fitting.....	1
43	a 369815	Clamp	4
44	a 1376571	Hose	1
45	329073	Hose	1
46	353198	Clamp	2
47	1358515	Fitting.....	1
48	a 2034520	Fitting.....	1
49	a 1356454	Hose	1
50	175323	Stud	2
51	349366	Fitting.....	1
52	1354203	Valve	1
52	1369456	Coil	1
52	1369457	Seal Kit.....	1
53	15351	Fitting.....	1
54	12824	Fitting.....	1
55	b 1389498	Carburetor (☞ Figure 3-35)	1
55	c 1468570	Carburetor (☞ Figure 3-36)	1
56	15920	Washer	2
57	15006	Nut	2
58	197067	Washer	1
59	b 1356513	Bracket.....	1
59	c 1489711	Bracket.....	1
60	313828	Nut	3
61	320158	Washer	3

FOOTNOTES:**a** With MSTs**b** ⇒ S/N H177B-20721**c** S/N H177B-20722 ⇒

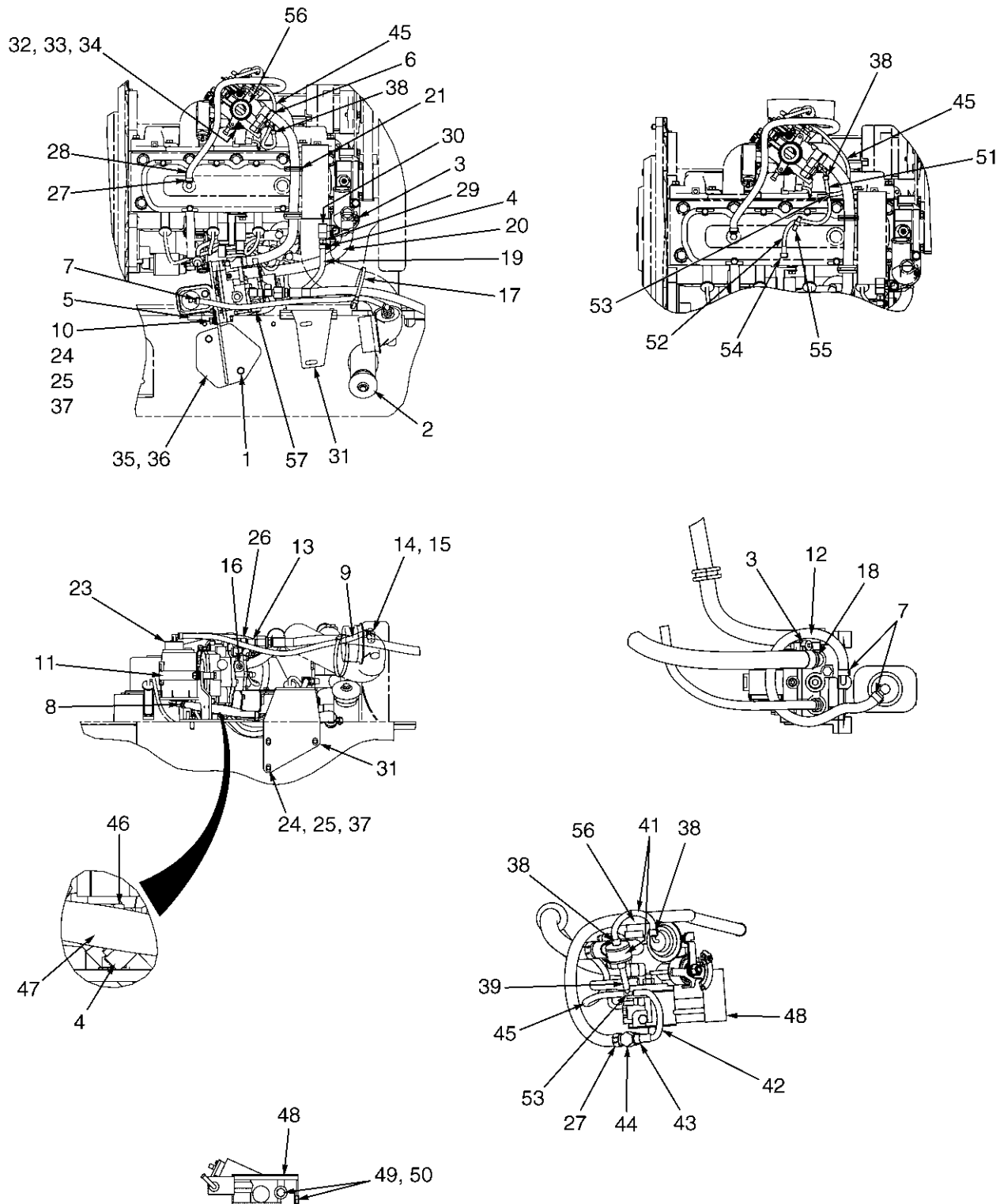
[illegible]

FUEL SYSTEM (Figure 3-30)

LPG 3.0L

OPEN LOOP

(S/N H177B-30074Y⇒)



HP130309

FUEL SYSTEM
LPG 3.0L
OPEN LOOP
(S/N H177B-30074Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	329067	Screw.....	2
2	1352123	Cap	1
3	130845	Clamp	2
4	168718	Clamp	2
5	15964	Fitting.....	1
6	1452463	Clamp	2
7	353311	Clamp	2
8	369815	Clamp	1
9	2051288	Hose	1
10	292509	Capscrew.....	2
11	1475409	Clamp	1
12	260878	Hose	1
13	1351146	Fitting.....	1
14	1479539	Fitting.....	1
15	1479862	Fitting.....	1
16	15347	Fitting.....	1
17	273775	Strap Clamp.....	1
18	1336135	Fitting.....	1
19	114586	Hose	1
20	1363896	Hose	1
21	1478908	Hose (LPG Vapor)	1
22	1515675	Grommet.....	1
23	1471694	Resonator	1
24	239503	Nut	5
25	320157	Washer	5
26	17314	Fitting.....	1
27	353198	Clamp	2
28	329073	Hose	1
29	17217	Fitting.....	1
30	17737	Fitting.....	1
31	1539570	Bracket.....	1
32	1475162	Stud	2
33	15055	Nut	2
34	15918	Lockwasher.....	2
35	1474020	Bracket.....	1
36	280472	Sealant	AR
37	292681	Lockwasher.....	5
38	366473	Clamp	4
39	1472454	Hose	1
40	1495156	Hose	1
41	1350400	Valve	1
42	1495159	Hose	1
43	1333840	Clamp	1
44	1358515	Fitting.....	1
45	372003	Hose	1
46	12843	Fitting.....	1
47	174374	Fitting.....	1
48	2052756	Governor.....	1
49	14349	Fitting.....	2

FUEL SYSTEM
LPG 3.0L
OPEN LOOP
(S/N H177B-30074Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
50	246108	Sealant	AR
51	1328890	Tank	1
51	1472454	Hose	1
52	1495156	Hose	1
53	2063039	Fitting.....	1
54	369815	Clamp	1
55	129563	Strap Clamp.....	1
56	1469350	Carburetor.....	1
57	1469346	Regulator	1

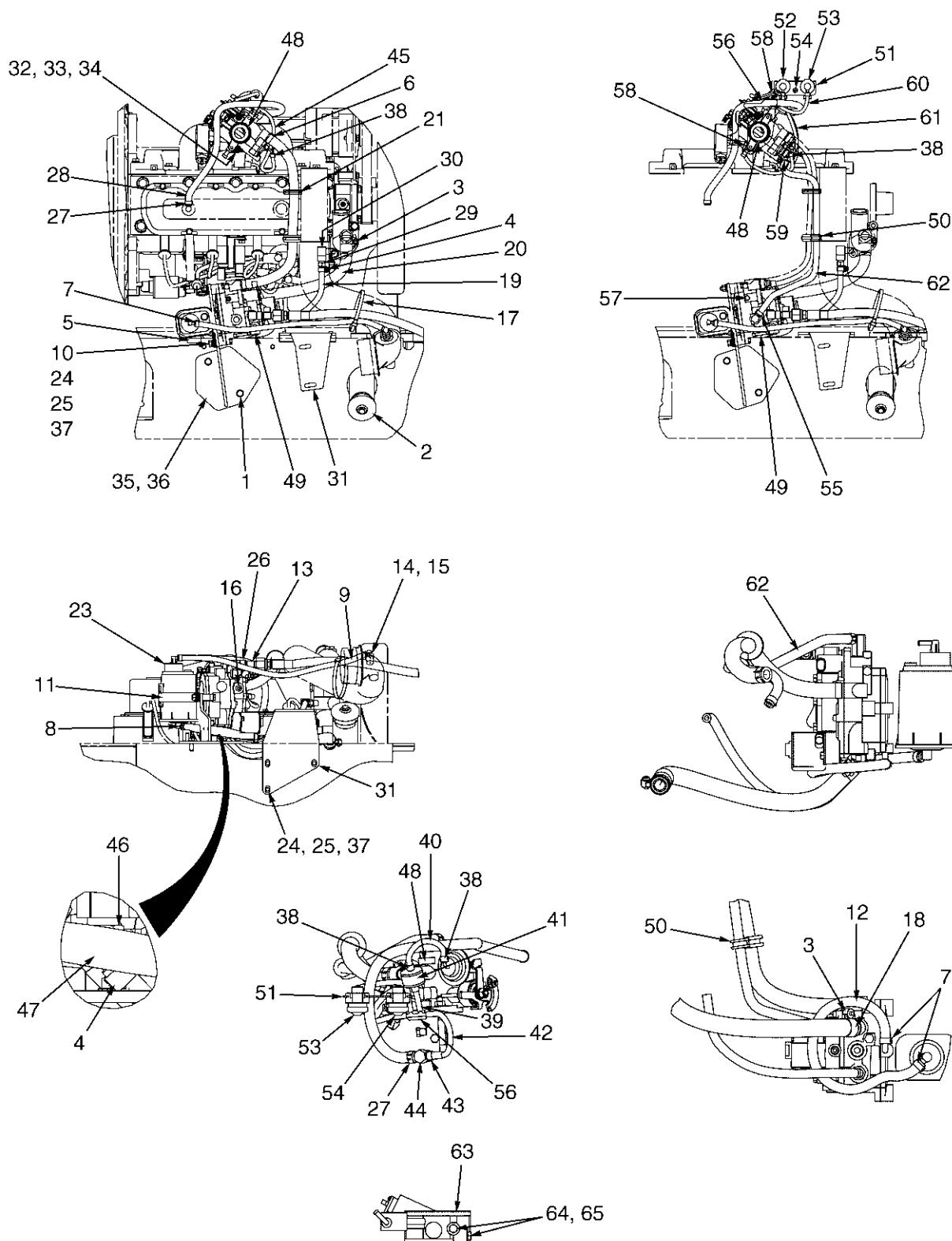
[illegible]

FUEL SYSTEM (Figure 3-31)

LPG 3.0L

CLOSED LOOP

(S/N H177B-35698Z⇒)



HP130307

FUEL SYSTEM
LPG 3.0L
CLOSED LOOP
(S/N H177B-35698Z⇒)

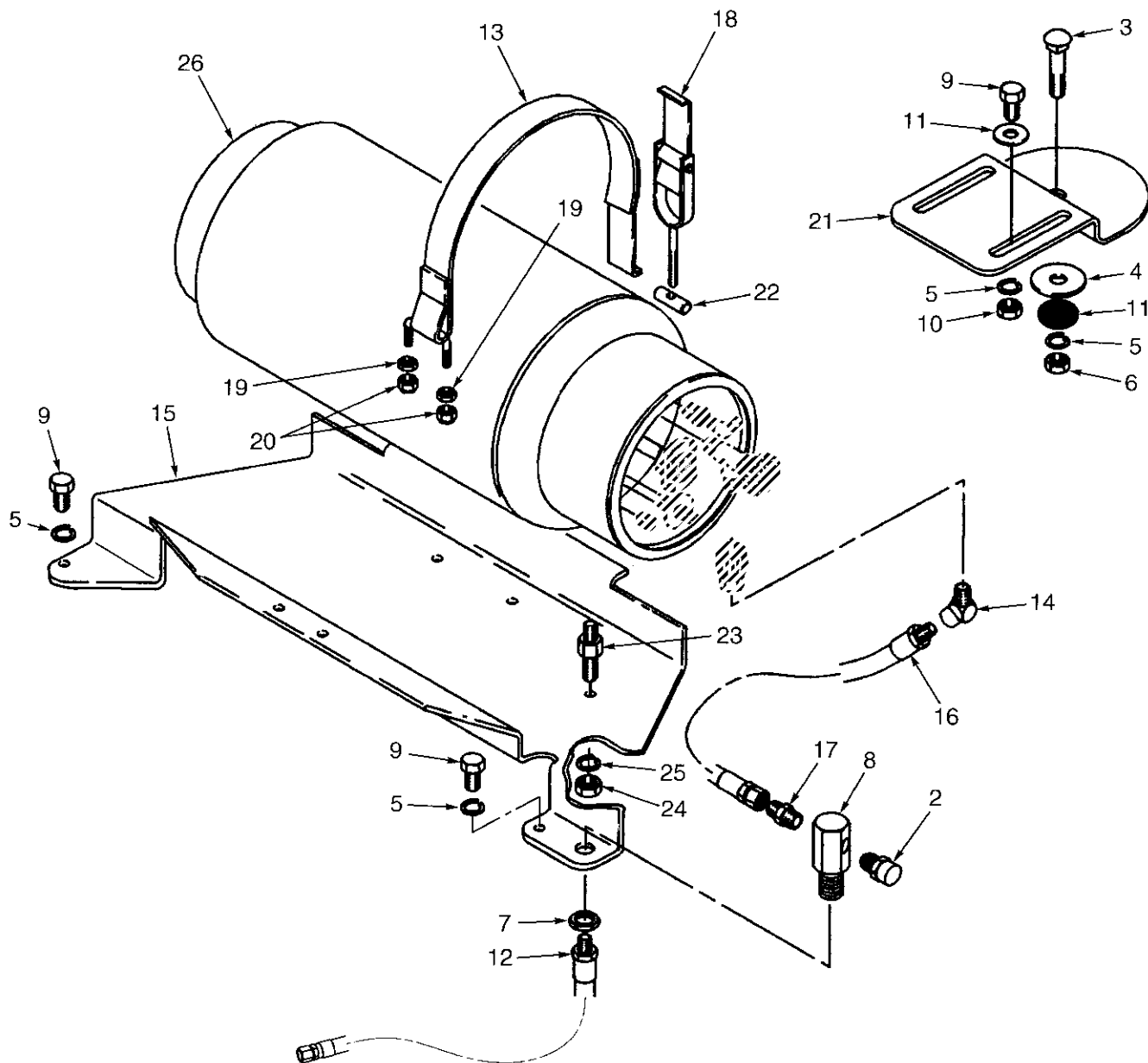
ITEM	PART NO.	DESCRIPTION	QTY
1	329067	Screw.....	1
2	1352123	Cap	1
3	130845	Clamp	3
4	168718	Clamp	5
5	15964	Fitting.....	5
6	1452463	Clamp	5
7	353311	Clamp	2
8	369815	Clamp	1
9	2051288	Hose	1
10	292509	Capscrew.....	1
11	1475409	Clamp	1
12	260878	Hose	1
13	1351146	Fitting.....	1
14	1479539	Fitting.....	1
15	1479862	Fitting.....	1
16	15347	Fitting.....	1
17	273775	Strap Clamp.....	1
18	1336135	Fitting.....	1
19	114586	Hose	1
20	1363896	Hose	1
21	1478908	Hose (LPG Vapor)	1
22	1515675	Grommet.....	1
23	1471694	Resonator	1
24	239503	Nut	1
25	320157	Washer	1
26	17314	Fitting.....	3
27	353198	Clamp	1
28	329073	Hose	1
29	17217	Fitting (☞ Figure 3-38)	1
30	17737	Fitting (☞ Figure 3-20)	1
31	1539570	Bracket.....	1
32	1475162	Stud	1
33	15055	Nut	1
34	15918	Lockwasher.....	1
35	1474020	Bracket.....	1
36	280472	Sealant	1
37	292681	Lockwasher.....	1
38	366473	Clamp	1
39	1472454	Hose	2
40	1495156	Hose	2
41	1350400	Valve	2
42	1495159	Hose	1
43	1333840	Clamp	1
44	1358515	Fitting.....	1
45	372003	Hose	1
46	12843	Fitting.....	1
47	174374	Fitting.....	7
48	1501260	Carburetor.....	2
49	1487199	Regulator	1

FUEL SYSTEM
LPG 3.0L
CLOSED LOOP
(S/N H177B-35698Z⇒)

ITEM	PART NO.	DESCRIPTION	QTY
50	1505053	Grommet.....	1
51	1515658	Clamp	1
52	1487190	Switch (Idle)	2
53	1487192	Switch (W.O.T.)	2
54	302032	Screw.....	1
55	353311	Clamp	2
56	1503861	Fitting.....	1
57	1487200	Rivet.....	1
58	366473	Clamp	1
59	129563	Strap Clamp.....	1
60	372002	Hose	1
61	377213	Hose	1
62	1510230	Hose (LPG Vapor)	1
63	2052756	Governor.....	1
64	14349	Fitting.....	2
65	246108	Sealant	AR

[illegible]

LPG TANK AND MOUNTING (Figure 3-32) EPA COMPLIANT



BP130076

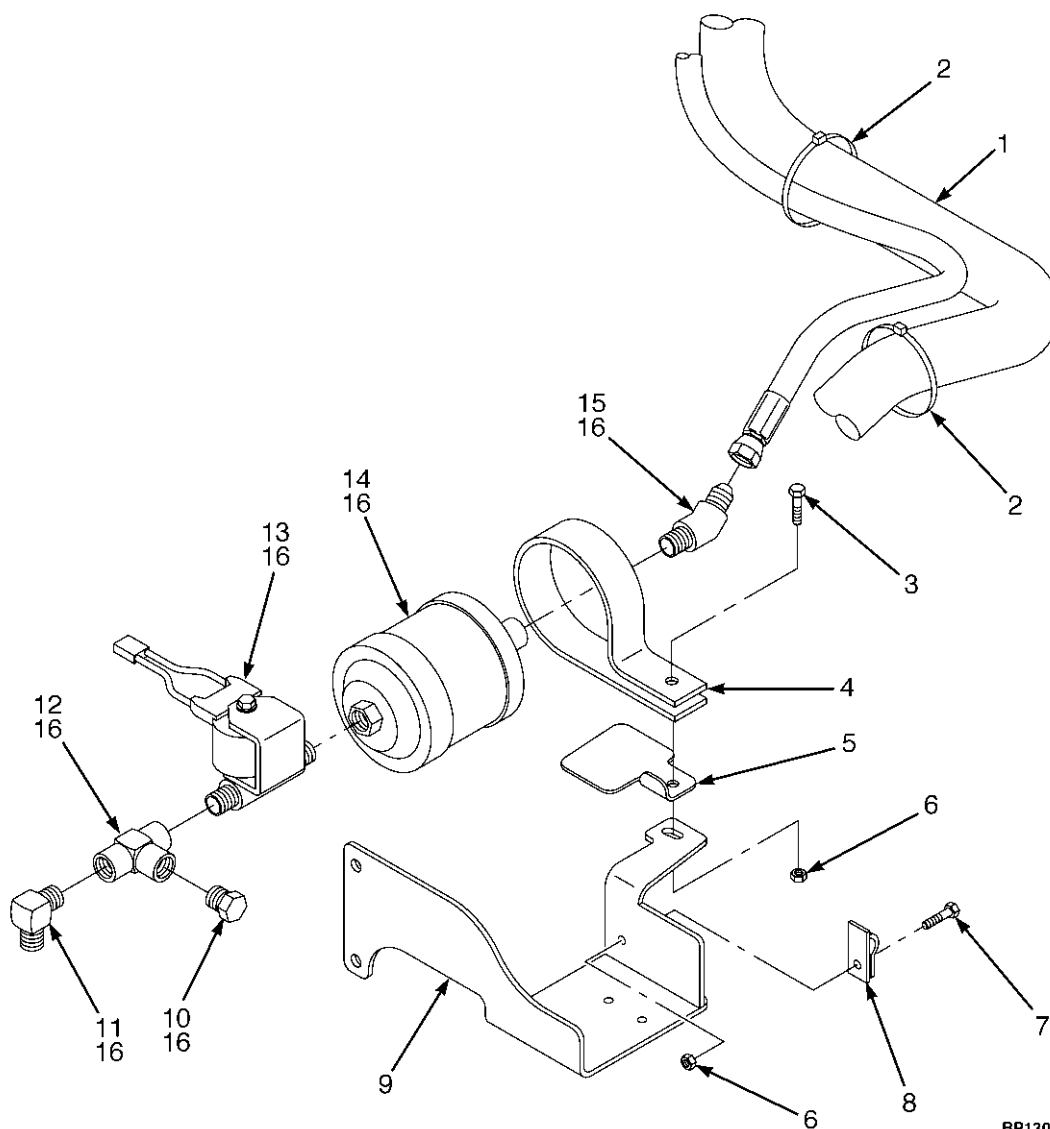
**LPG TANK AND MOUNTING
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	97999	Disconnect.....	1
2	101809	Relief Valve.....	1
3	1339706	Bolt	1
4	300939	Washer	1
5	292682	Lockwasher.....	5
6	136692	Nut	1
7	15034	Nut	1
8	1374601	Fitting.....	1
9	287854	Capscrew.....	4
10	316826	Nut	2
11	320159	Washer	3
12	2867529	Hose	1
13	1375240	Strap	1
14	12822	Fitting.....	1
15	1376006	Bracket.....	1
16	1375230	Hose	1
17	16134	Fitting.....	1
18	1383574	Latch	1
19	136692	Nut	2
20	316826	Nut	2
21	1375239	Bracket.....	1
22	147294	Nut	1
23	2022566	Pin	1
24	296130	Nut	1
25	292683	Lockwasher.....	1
26	1328890	Tank	1

FUEL FILTERING AND LOCK-OFF SYSTEM (Figure 3-33)

3.0L LPG

EPA COMPLIANT



BP130052

ITEM	PART NO.	DESCRIPTION	QTY
1	1484337	Hose	1
2	273775	Strap Clamp.....	2
3	1528482	Capscrew.....	1
4	1545418	Clamp (Insulated)	1
5	1549461	Heat Shield	1
6	1502543	Nut (Flange).....	1
7	1527880	Capscrew.....	1
8	110322	Clamp	2
9		Bracket.....	1
10	14385	Fitting.....	1
11	16841	Fitting.....	1
12	63111	Fitting.....	1
13	1558187	Lock-Off (Assembly)	1
14	1544792	Filter.....	1

**FUEL FILTERING AND LOCK-OFF SYSTEM
3.0L LPG
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
15	16863	Fitting.....	1
16	246108	Sealant	AR

This technical drawing is an exploded view of a vacuum pump assembly. The components are numbered as follows:

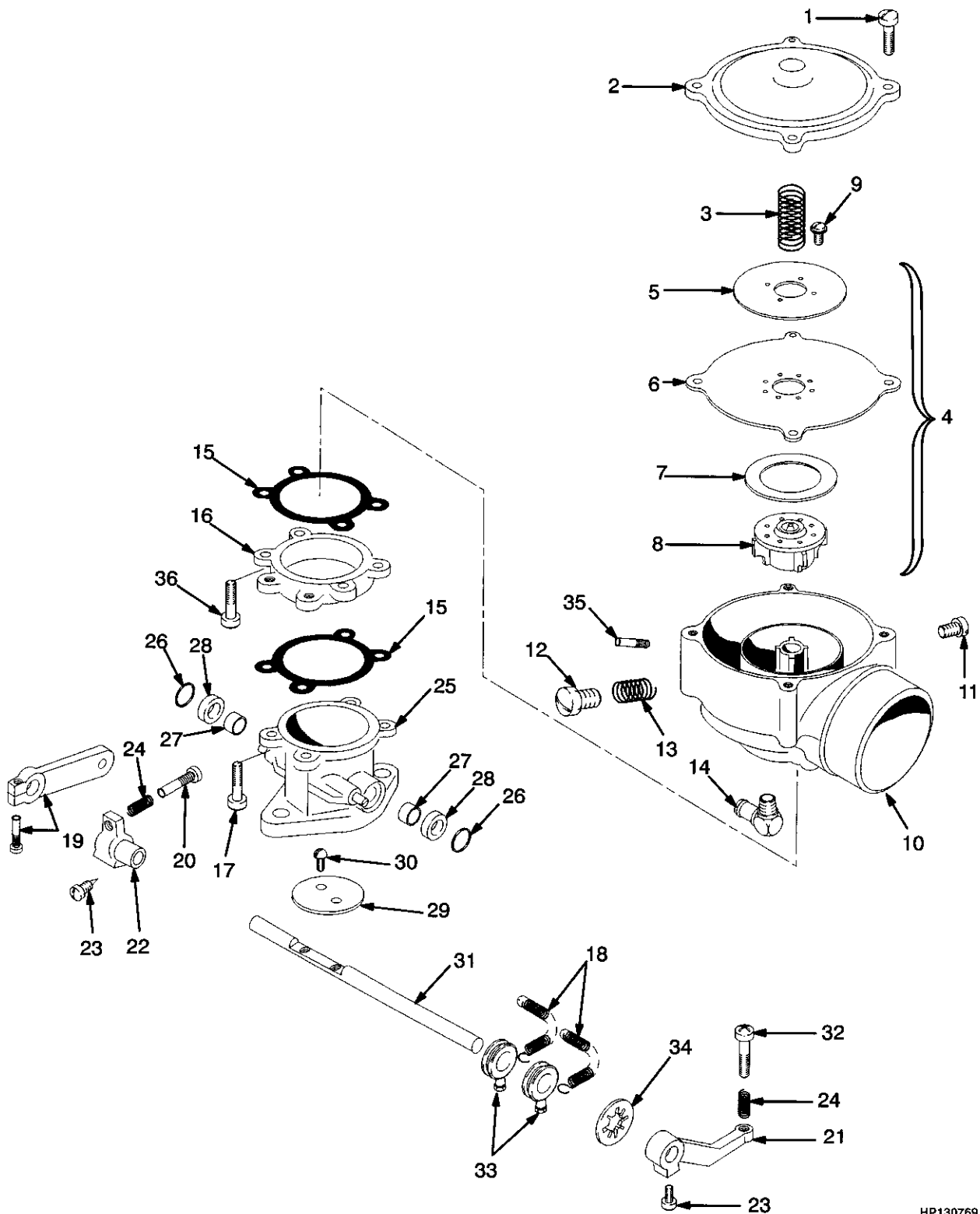
- 1:** The main pump housing or motor unit.
- 2:** A mounting bracket or base plate.
- 3:** A circular flange or seal.
- 4:** A hose or tube connected to the pump.
- 5:** A long, curved hose or tube.
- 6:** A connector or fitting.
- 7:** A hose or tube connected to the pump.
- 8:** A small component, possibly a valve or sensor.
- 9:** A hose or tube connected to the pump.
- 10:** A mounting bracket or base plate.
- 11:** A mounting bracket or base plate.
- 12:** A mounting bracket or base plate.
- 13:** A hose or tube connected to the pump.
- 14:** A hose or tube connected to the pump.
- 15:** A hose or tube connected to the pump.
- 16:** A small component, possibly a valve or sensor.
- 17:** A mounting bracket or base plate.
- 18:** A hose or tube connected to the pump.
- 19:** A hose or tube connected to the pump.

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**ENGINE FUEL SYSTEM
3.0L LPG ENGINE
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1558190	Regulator (☞ Figure 3-40)	1
2	1558202	Hose (Vapor).....	1
3	1558542	Hose (Balance).....	1
4	1558540	Hose (Pressure Trim Valve).....	1
5	1558545	Hose (Coolant Outlet) (450mm)	1
6	1558187	Lock-Off (Assembly)	1
7	1558191	Pressure Reducing Valve	1
8	1558175	Fuel Valve	1
9	1558532	Mixer Assembly (☞ Figure 3-44)	1
10	1558163	Bracket.....	1
11	1558164	Throttle Body	1
12	1558535	Adapter	1
13	1558543	Hose (Balance).....	1
14	1558539	Hose (PCV)	1
15	353198	Clamp	2
16	130845	Clamp	6
17	1558536	Heat Shield	1
18	1558196	PCV Valve.....	1
19	1558544	Hose (Coolant) (750mm).....	1
20	1561870	Oxygen Sensor (Not Illustrated)	1

CARBURETOR (Figure 3-35) LPG 3.0L (⇒S/N H177B-20721)



HP130769

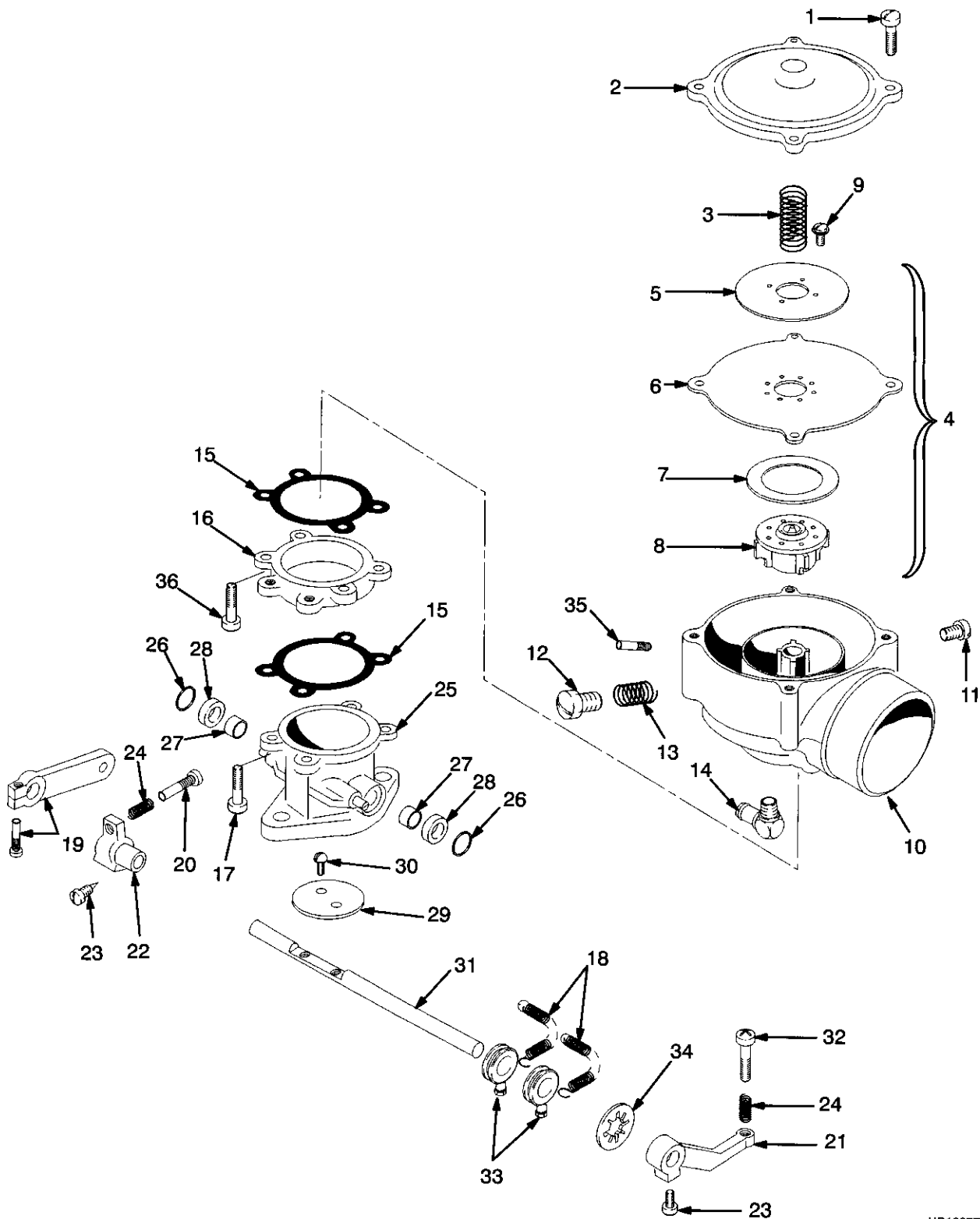
CARBURETOR **LPG 3.0L** **(⇒S/N H177B-20721)**

ITEM	PART NO.	DESCRIPTION	QTY
	1389498	Carburetor.....	1
1	132473	Screw	4
2	204780	Cover.....	1
3	374713	Spring.....	1
4	1452798	Diaphragm.....	1
5		Back-Up Plate	1
6	1369450	Diaphragm	1
7	204858	Ring.....	1
8		Valve	1
9	220283	Screw	4
10	250371	Horn Body	1
11	326926	Screw	1
12	326516	Screw	1
13	332277	Spring.....	1
14	1361164	Fitting.....	1
15	204787	Gasket.....	2
16	303072	Spacer.....	1
17	387481	Screw	4
18	1358245	Spring.....	2
19	1380268	Lever.....	1
20	16751	Screw	1
21	1358241	Lever.....	1
22	1358242	Lever.....	1
23	1358243	Screw	4
24	204824	Spring.....	2
25	1455262	Throttle Body Assembly	1
26		Retainer	2
27		Seal	2
28		Bearing.....	2
29		Fly	1
30		Screw	2
31		Shaft	1
32	1374057	Screw	1
33	387478	Bushing	2
34	387480	Nut.....	1
35	323541	Fitting.....	1
36	204790	Screw	4

CARBURETOR (Figure 3-36)

LPG 3.0L

(S/N H177B-20722⇒)



HP130770

CARBURETOR

LPG 3.0L

(S/N H177B-20722⇒)

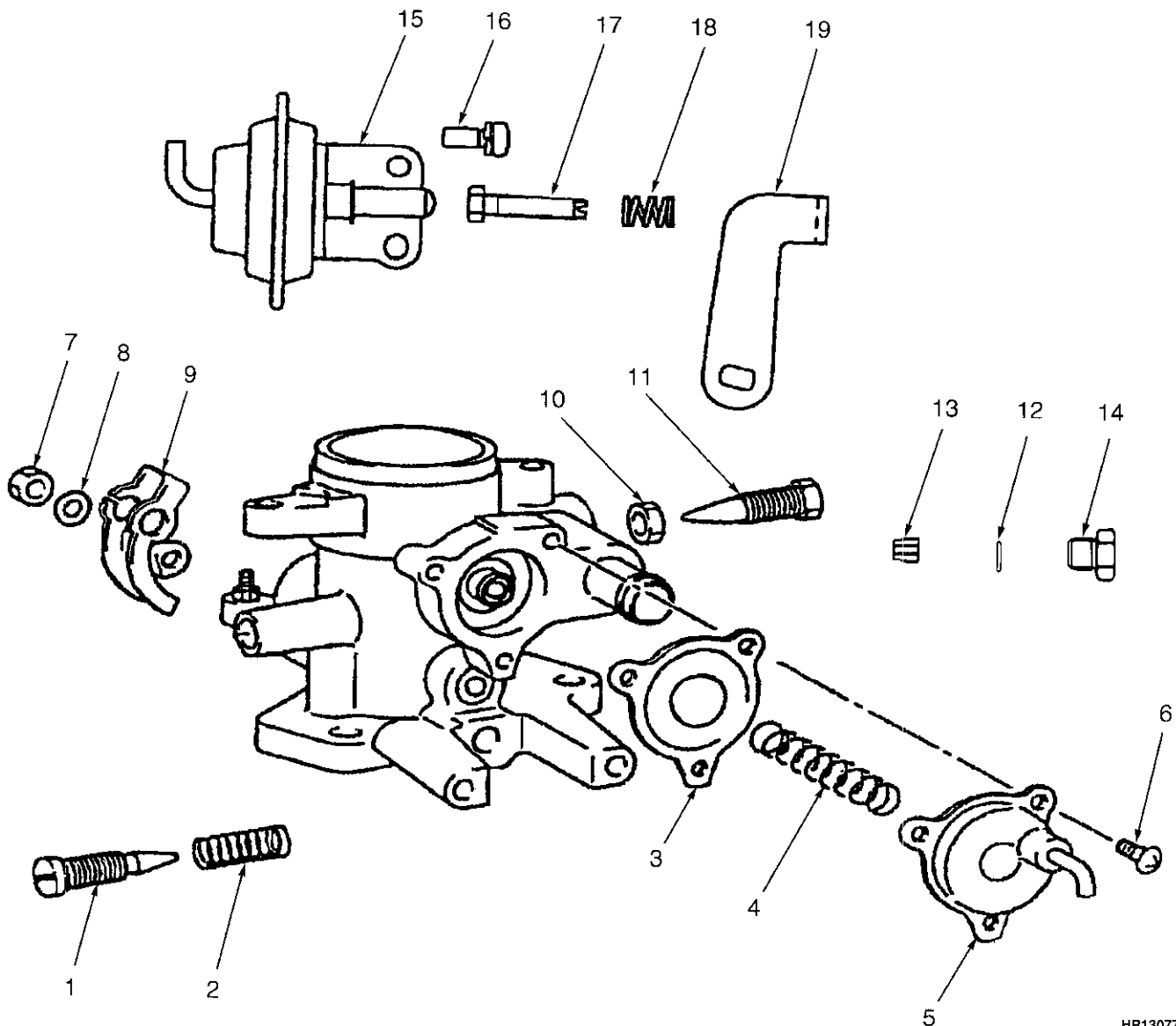
ITEM	PART NO.	DESCRIPTION	QTY
	1468570	Carburetor.....	1
1	132473	Screw	4
2	204780	Cover.....	1
3	374713	Spring.....	1
4	1452798	Diaphragm.....	1
5		Back-Up Plate	1
6	1369450	Diaphragm	1
7	204858	Ring.....	1
8		Valve	1
9	220283	Screw	4
10	250371	Horn Body	1
11	326926	Screw	1
12	326516	Screw	1
13	332277	Spring.....	1
14	14349	Fitting.....	1
15	204787	Gasket.....	2
16	303072	Spacer.....	1
17	387481	Screw	4
18	1358245	Spring.....	2
19	1380268	Lever.....	1
20	16751	Screw	1
21	1358241	Lever.....	1
22	1358242	Lever.....	1
23	1358243	Screw	4
24	204824	Spring.....	2
25	1471521	Throttle Body Assembly	1
26		Retainer	2
27		Seal	2
28		Bearing.....	2
29		Fly	1
30		Screw	2
31		Shaft	1
32	1374057	Screw	1
33	387478	Bushing	2
34	387480	Nut.....	1
35	323541	Fitting.....	1
36	204790	Screw	4

CARBURETOR (Figure 3-37)

LPG 3.0L

OPEN LOOP

(S/N H177B-30074Y⇒)

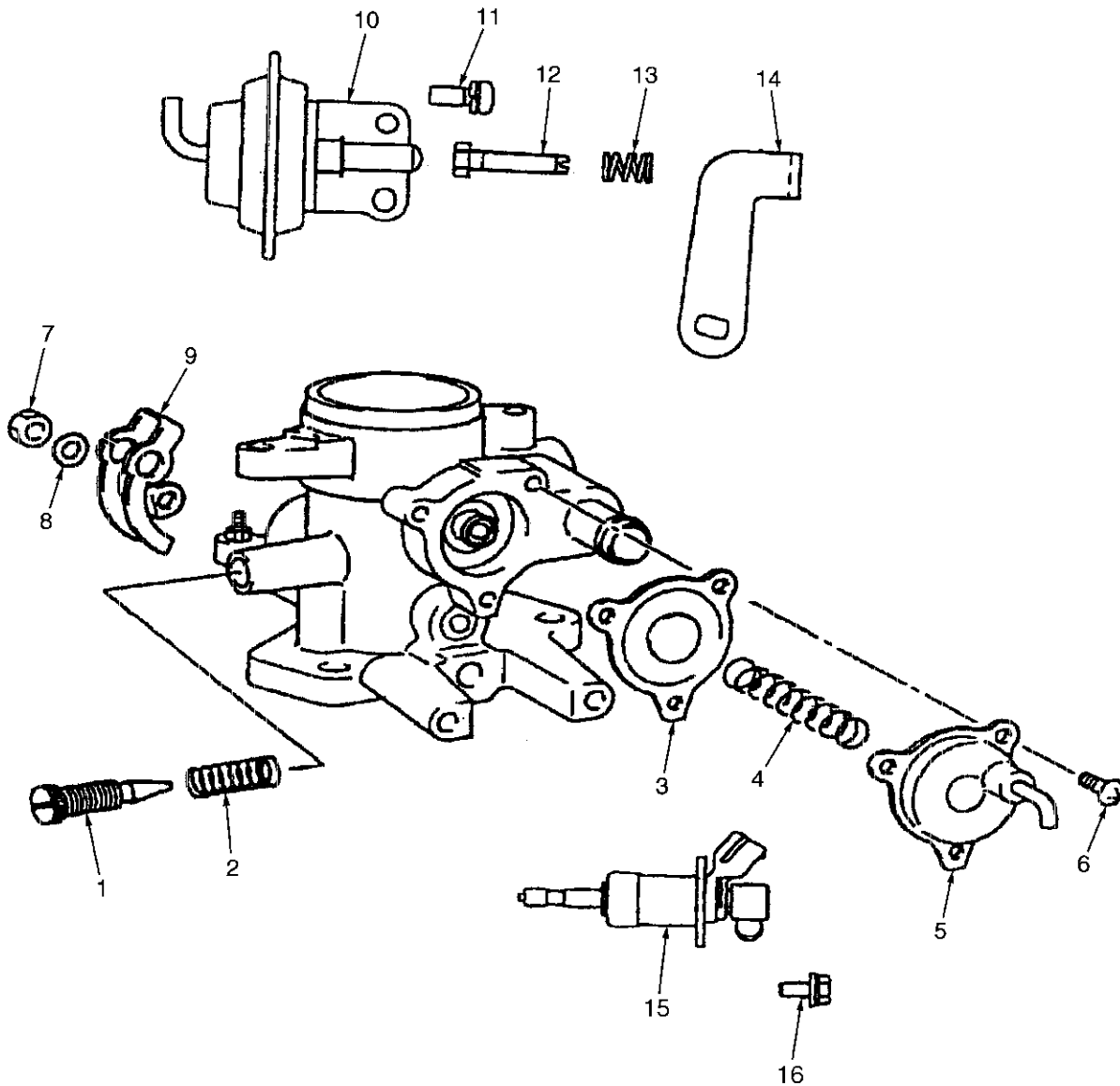


HP130771

CARBURETOR
LPG 3.0L
OPEN LOOP
(S/N H177B-30074Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1469350	Carburetor.....	1
1	1493247	Screw (Adjust)	1
2	1493248	Spring	1
3	1493249	Diaphragm	1
4	1493250	Spring	1
5	1493251	Cover	1
6	1493252	Screw	3
7	1493253	Nut	1
8	1493254	Washer	1
9	1493255	Lever	1
10	1493256	Nut (Power Adjust)	1
11	1493257	Screw (Adjust)	1
12	1493258	Gasket	1
13	1493259	Plug	1
14	1494102	Jet (Power)	1
15	1493261	Diaphragm	1
16	1493262	Screw	2
17	1493263	Bolt	1
18	1493264	Spring (Idle Adjust)	1
19	1493265	Lever	1

CARBURETOR (Figure 3-38) LPG 3.0L CLOSED LOOP (S/N H177B-15698Z⇒)

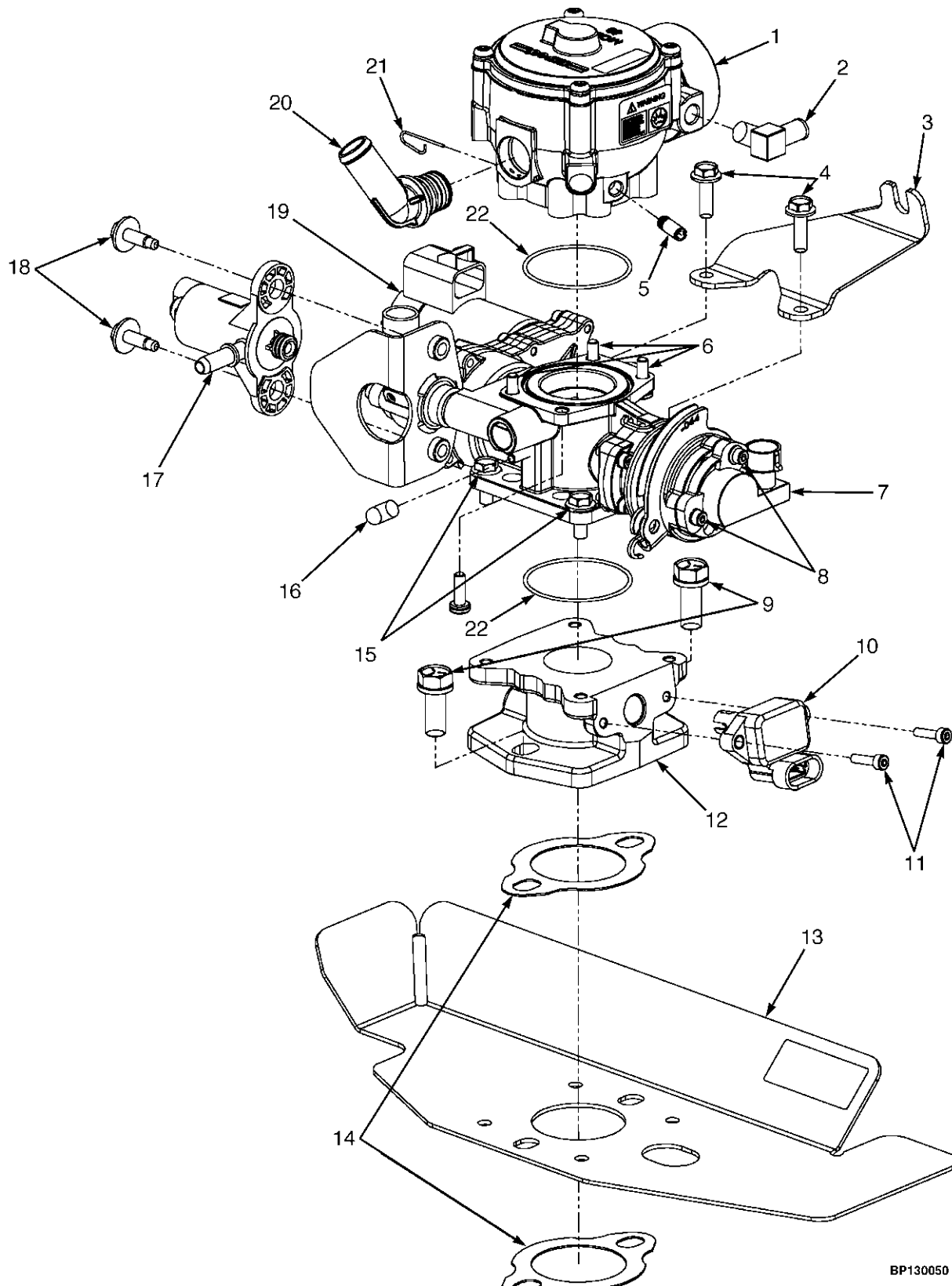


BP130001

CARBURETOR
LPG 3.0L CLOSED LOOP
(S/N H177B-15698Z⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1501260	Carburetor.....	1
1	1493247	Screw (Adjust)	1
2	1493248	Spring	1
3	1493249	Diaphragm	1
4	1493250	Spring	1
5	1493251	Cover	1
6	1493252	Screw	3
7	1493253	Nut	1
8	1493254	Washer	1
9	1493255	Lever	1
10	1493261	Diaphragm	1
11	1493262	Screw	2
12	1493263	Bolt	1
13	1493264	Spring (Idle Adjust)	1
14	1493265	Lever	1
15	1495124	Injector Assembly	1
16	1495125	Bolt	1

THROTTLE BODY AND LPG MIXER (Figure 3-39) 3.0L EPA COMPLIANT

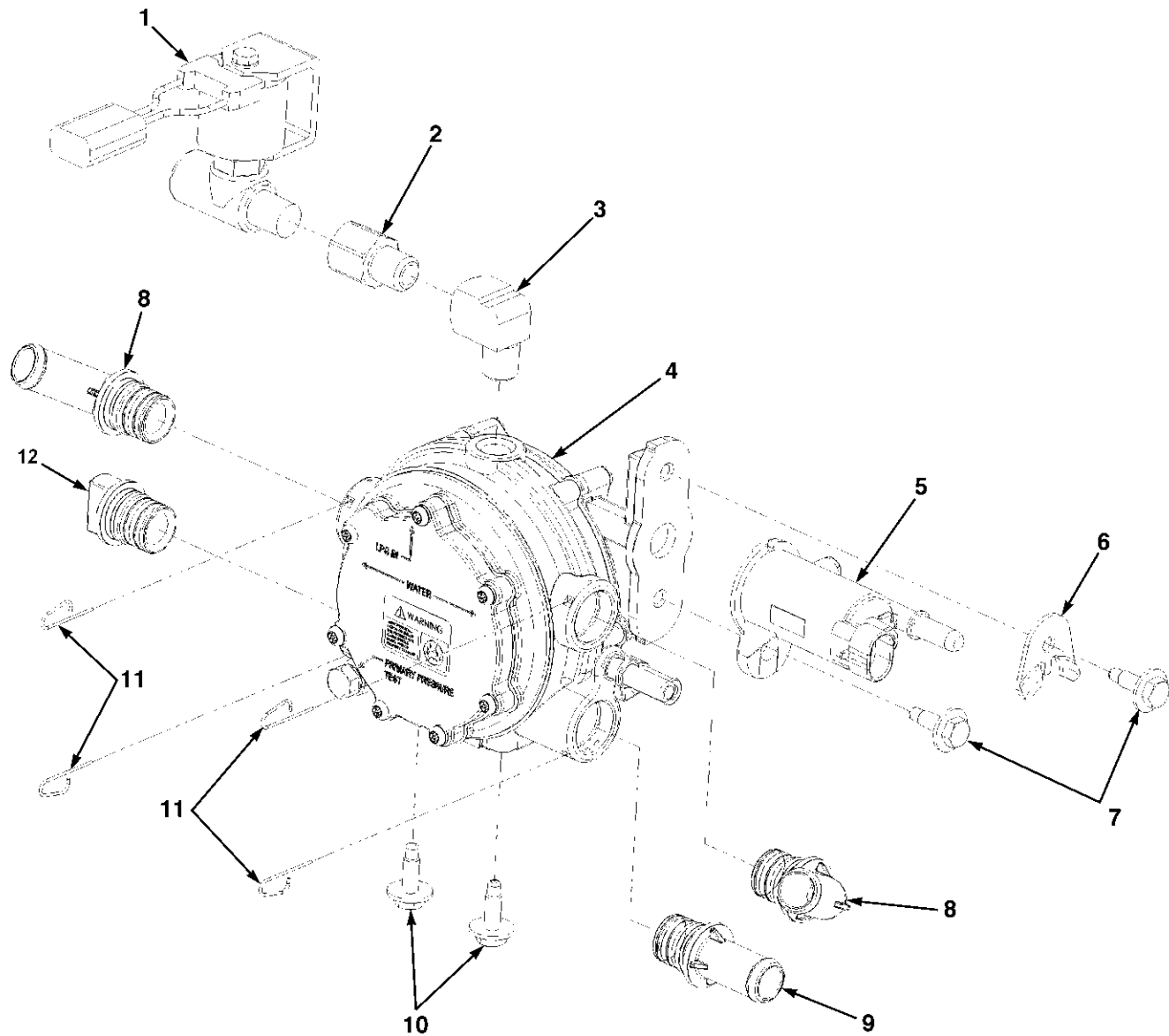


BP130050

**THROTTLE BODY AND LPG MIXER
3.0L EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1558532	Mixer Assembly	1
2	1361164	Fitting.....	1
3	1558163	Bracket.....	1
4	1558533	Bolt	2
5	323541	Fitting.....	1
6	1558435	Screw.....	4
7	1558165	Sensor (TPS).....	1
8	1558170	Screw.....	2
9	1558534	Bolt	2
10	1558171	Sensor (TMAP).....	1
11	1558170	Screw.....	2
12	1558535	Adapter	1
13	1558536	Heat Shield	1
14	204866	Gasket	2
15	1558432	Bolt	2
16	1558537	Cap	1
17	1558175	Fuel Valve	1
18	1558168	Bolt	2
19	1558164	Throttle Body	1
20	1558176	Fitting.....	1
21	1558161	Pin	1
22	1558177	O-Ring	2

LPG REGULATOR (Figure 3-40) 3.0L EPA COMPLIANT

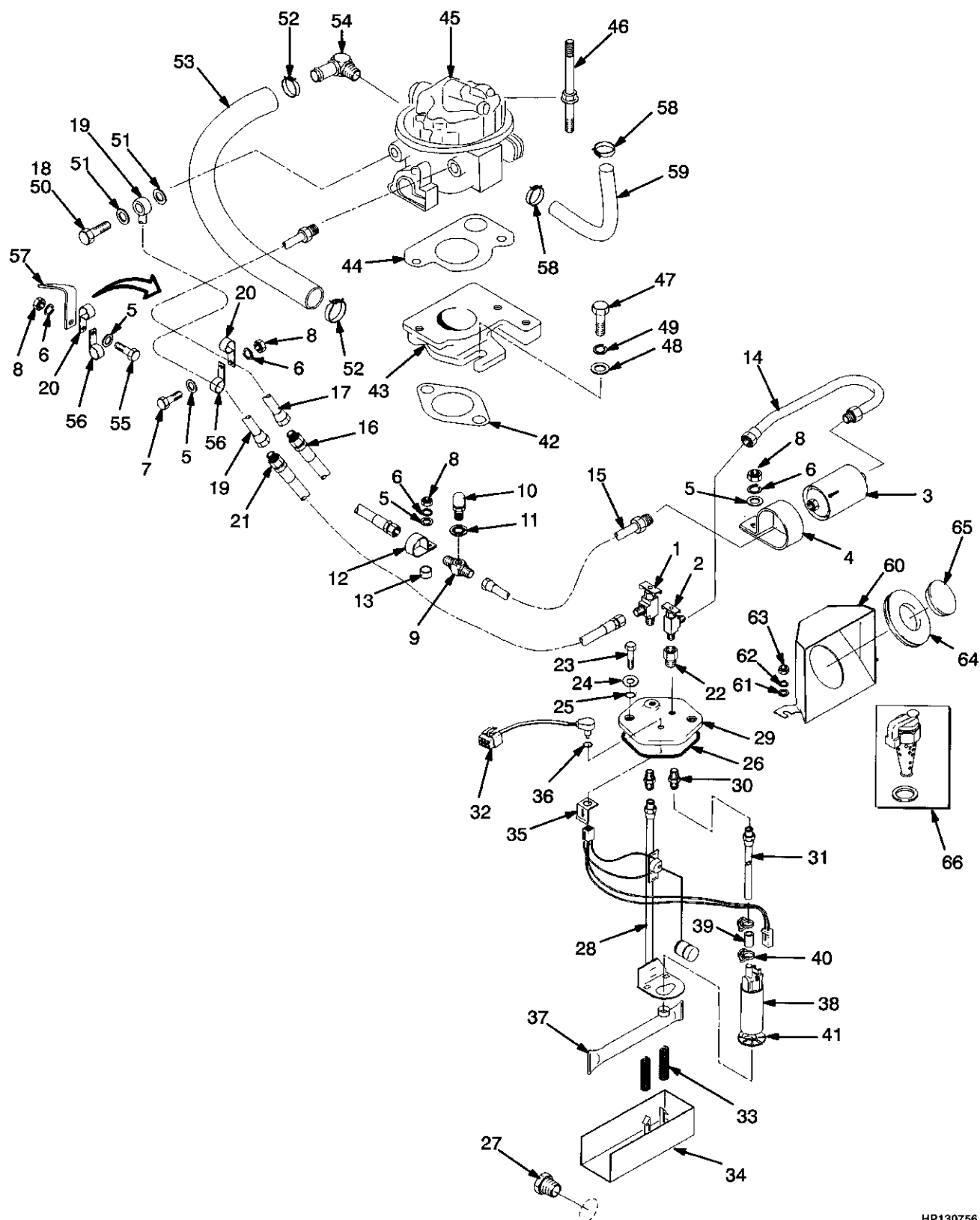


BP130051

**LPG REGULATOR
3.0L EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1558187	Lock-Off (Assembly)	1
2	1558188	Fitting.....	1
3	1558189	Fitting.....	1
4	1558190	Regulator	1
5	1558191	Pressure Reducing Valve	1
6	1558192	Clamp	1
7	1558168	Bolt	2
8	1558176	Fitting.....	2
9	1558193	Fitting.....	1
10	1558168	Bolt	2
11	1558161	Pin	4
12	1558194	Cap	1
13	1558538	Jet (Coolant Restrictor).....	1

FUEL (Figure 3-41) GASOLINE 3.0L



HP130756

**FUEL
GASOLINE 3.0L**

ITEM	PART NO.	DESCRIPTION	QTY
1	b 1350286	Valve (Shut Off)	1
1	c 43883	Valve (Shut Off)	1
2	16192	Valve (Shut Off And Drain)	1
3	1330342	Filter.....	1
4	176451	Clamp	1
5	320158	Washer	4
6	292681	Lockwasher.....	4
7	136681	Capscrew.....	1
8	239503	Nut	4
9	1376725	Fitting.....	1
10	1345991	Pressure Valve.....	1
11	1339438	Seal	1
12	101625	Clamp	1
13	1301016	Spacer	1
14	b 1376769	Tube	1
14	c 1475605	Tube	1
15	1376770	Tube	1
16	1376771	Hose	1
17	1376731	Tube	1
18	360387	Sealant	AR
19	1376730	Tube	1
20	164488	Clamp	2
21	1478702	Hose (Return).....	1
22	b 12855	Fitting.....	1
22	c 1354259	Fitting.....	1
23	329067	Screw.....	2
24	320157	Washer	2
25	353000	O-Ring	2
26	1343449	Seal	1
27	15964	Fitting.....	1
28	b 1339789	Fuel Sender	1
	c 1465338	Fuel Sender (Includes Items 1-2, 22, 32, 67)	1
29	b 1343448	Cover	1
30	b 14303	Fitting.....	2
31	1339759	Tube	1
32	1330383	Wire Harness (Fuel Tank).....	1
32	1359672	Connector	1
33	1361596	Spring	2
34	1363862	Baffle	1
35	1330326	Clip Nut.....	1
36	1330325	O-Ring	1
37	d 1327961	Strainer	1
37	e 1371157	Strainer	1
38		Pump	1
39		Coupling	1
40		Clamp	2
41		Isolator.....	1
42	195771	Gasket	1
43	1375779	Adapter	1
44	1343648	Gasket	1

FUEL GASOLINE 3.0L

ITEM	PART NO.	DESCRIPTION	QTY
45	1376572	Injector.....	1
45	1383994	Gasket Kit.....	1
45	1350988	Fuel Injector Kit	1
45	1383995	Sensor Kit.....	1
45	1383996	Control Kit.....	1
45	1350991	Nut Kit.....	1
45	1358682	Screw Kit	1
46	1377021	Stud	2
47	16805	Capscrew.....	2
48	15134	Washer	2
49	15156	Lockwasher.....	2
50	1376614	Screw.....	1
51	1376616	Seal	2
52	353198	Clamp	2
53	85766	Hose	1
54	201808	Fitting.....	1
55	136749	Capscrew.....	1
56	1376727	Clamp	2
57	1376779	Bracket.....	1
58	369815	Clamp	2
59	1350682	Hose (Silicone)	1
60	1376746	Shield.....	1
61	320158	Washer	2
62	292681	Lockwasher.....	2
63	313828	Nut	2
64	1339720	Grommet.....	1
65	160773	Cap	1
66	a 138880	Shim (0.020 in.)	1
66	a 63899	Cap Assembly.....	1
	1330324	Fuel Pump Kit (Includes Items 38-41)	1

FOOTNOTES:

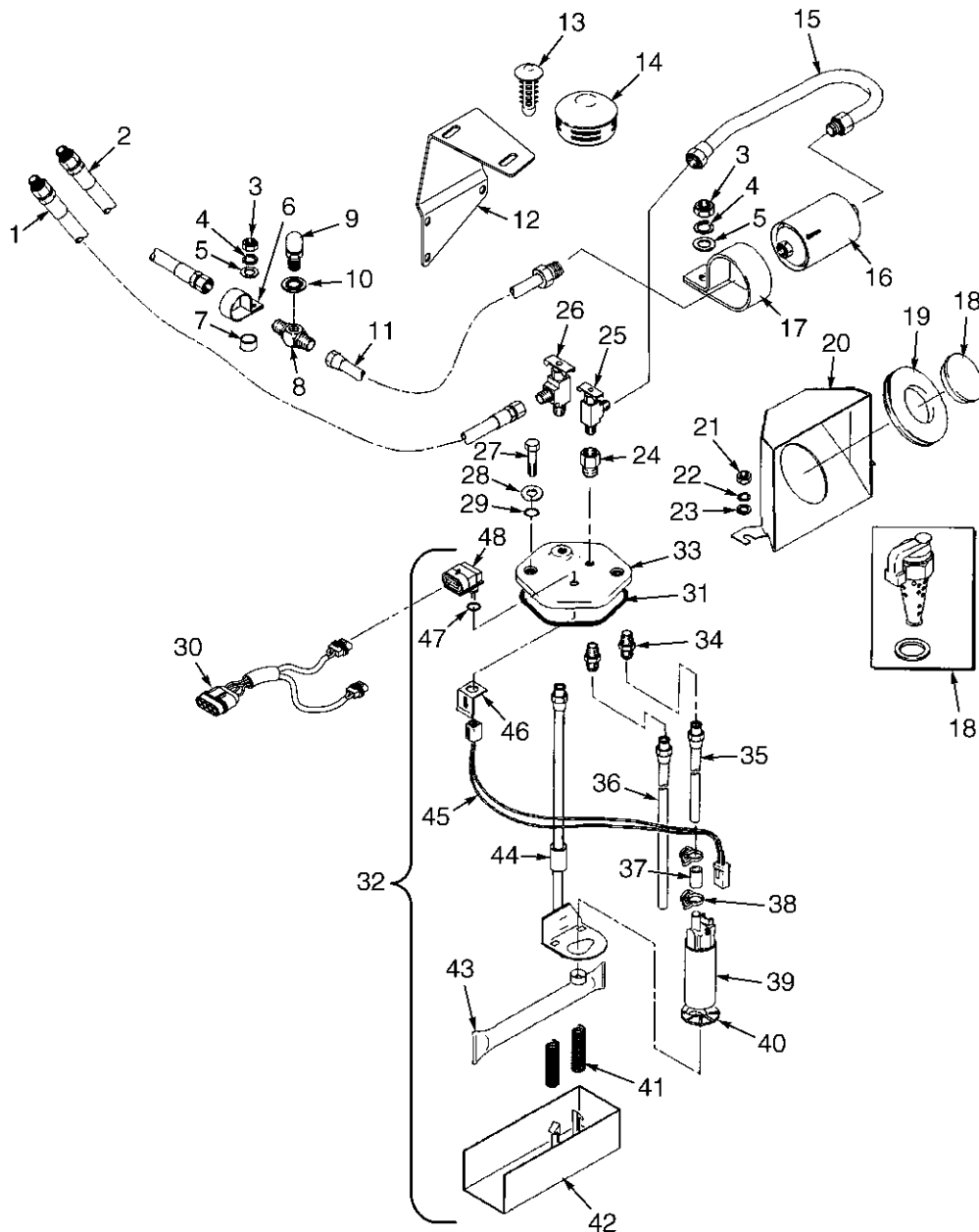
- a** Optional
- b** ⇒ S/N H177B-16517X
- c** S/N H177B-16518X ⇒
- d** ⇒ S/N H177B-44744A
- e** S/N H177B-44745A ⇒

[illegible]

FUEL SUPPLY SYSTEM (Figure 3-42)

3.0L GASOLINE

EPA COMPLIANT



BP130046

FUEL SUPPLY SYSTEM

3.0L GASOLINE

EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1478702	Hose (Return).....	1
2	1376771	Hose (Supply).....	1
3	239503	Nut.....	4
4	292681	Lockwasher.....	4
5	320158	Washer	4
6	101625	Clamp	1
7	1301016	Spacer	1
8	1376725	Fitting.....	1
9	1345991	Pressure Valve.....	1
10	1339438	Seal	1
11	1371161	Tube (Supply)	1
12	1502601	Bracket.....	1
13	1347045	Fastener.....	1
14	1350231	Plug	1
15	1371115	Tube (Supply)	1
16	1330342	Filter.....	1
17	176451	Clamp	1
17	895963	Clamp (Optional)	1
18	160773	Cap (Standard).....	1
18	63899	Cap Assembly (Optional).....	1
18	138880	Shim (0.020 in.) (Optional)	1
19	1339720	Grommet.....	1
20	1376746	Shield.....	1
21	313828	Nut	2
22	292681	Lockwasher.....	2
23	320158	Washer	2
24	1354259	Fitting.....	1
25	16192	Valve (Shut Off And Drain)	1
26	1350286	Valve (Shut Off)	1
27	329067	Screw.....	2
28	320157	Washer	2
29	353000	O-Ring	2
30	1371170	Wire Harness (See Figure 4-48)	1
31	1343449	Seal	1
32	1371106	Fuel Pump And Sender	1
33	1371126	Cover.....	1
34	14303	Fitting.....	2
35	1371150	Tube.....	1
36	1371130	Tube.....	1
37		Coupling	1
38		Clamp	2
39		Pump.....	1
40		Isolator.....	1
41	1361596	Spring.....	2
42	1371154	Baffle	1
43	1371157	Strainer.....	1
44	1371105	Fuel Sender.....	1
45	1371163	Wire Harness	1
46	1330326	Clip Nut.....	1
47	1330325	O-Ring.....	1

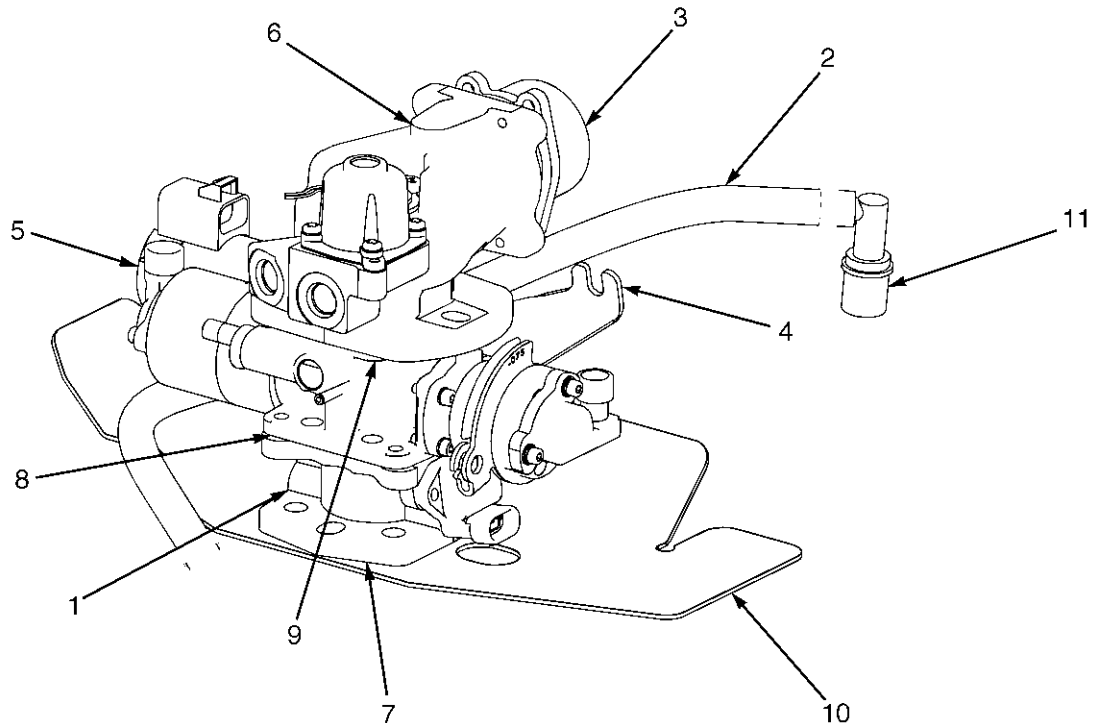
**FUEL SUPPLY SYSTEM
3.0L GASOLINE
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
48	1371149	Connector.....	1
49	15964	Fitting (Tank Drain)	1
	1330324	Fuel Pump Kit (Includes Items 37-40)	1

FUEL SYSTEM (Figure 3-43)

3.0L GASOLINE ENGINE

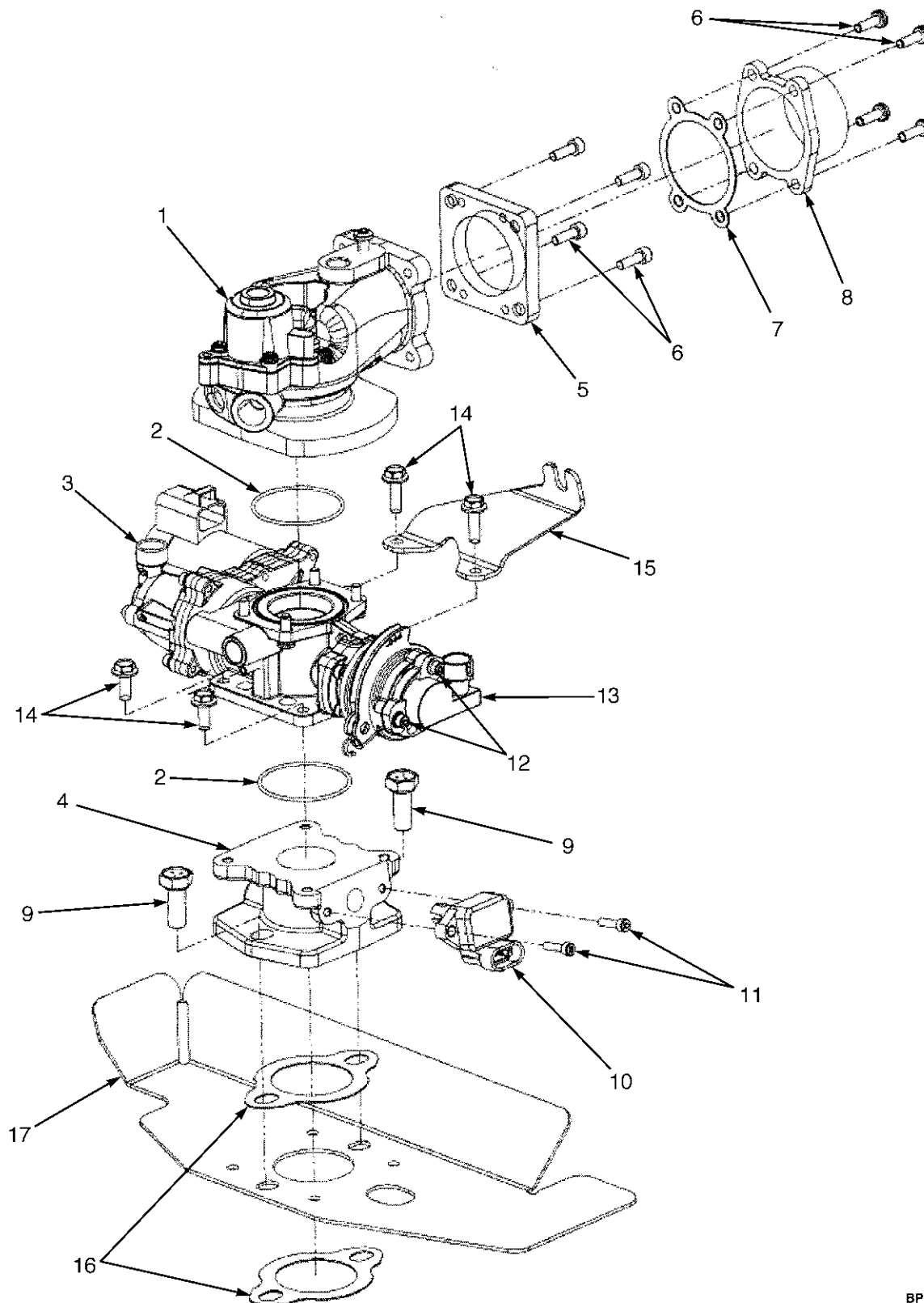
EPA COMPLIANT



BP130057

ITEM	PART NO.	DESCRIPTION	QTY
1	1558535	Adapter	1
2	1558539	Hose (PCV)	1
3	1558434	Bonnet Adapter.....	1
4	1558163	Bracket.....	1
5		Governor.....	1
6	1558551	Throttle Body Injector	1
7	204787	Gasket	1
8	1558177	O-Ring	2
9	1558563	O-Ring	1
10	1558536	Heat Shield	1
11	1558196	PCV Valve.....	1
12	1561870	Oxygen Sensor (Not Illustrated)	1

THROTTLE BODY INJECTOR (Figure 3-44) 3.0L EPA COMPLIANT GASOLINE



BP130058

THROTTLE BODY INJECTOR 3.0L EPA COMPLIANT GASOLINE

ITEM	PART NO.	DESCRIPTION	QTY
1	1558561	Housing	1
2	1558551	Throttle Body Injector	1
3	1558563	O-Ring	1
4	1558171	Sensor (TMAP).....	1
5	1558564	Clip (Not Illustrated)	1
6	1558177	O-Ring	2
7	204787	Gasket	1
8	1558434	Bonnet Adapter.....	1
9	1558435	Screw.....	8
10		Adapter (Air Inlet)	1
11	1558550	Throttle Control Drive.....	1
12	1558163	Bracket.....	1
13	1558173	Bolt	2
14	1558432	Bolt	2
15	1558165	Sensor (Throttle Position)	1
16	1558170	Screw.....	4
17	1558535	Adapter	1
18	1558534	Bolt	2
19	1558171	Sensor (TMAP).....	1
20	204866	Gasket	1
21	1558536	Heat Shield	1
22	1561870	Oxygen Sensor (Not Illustrated)	1

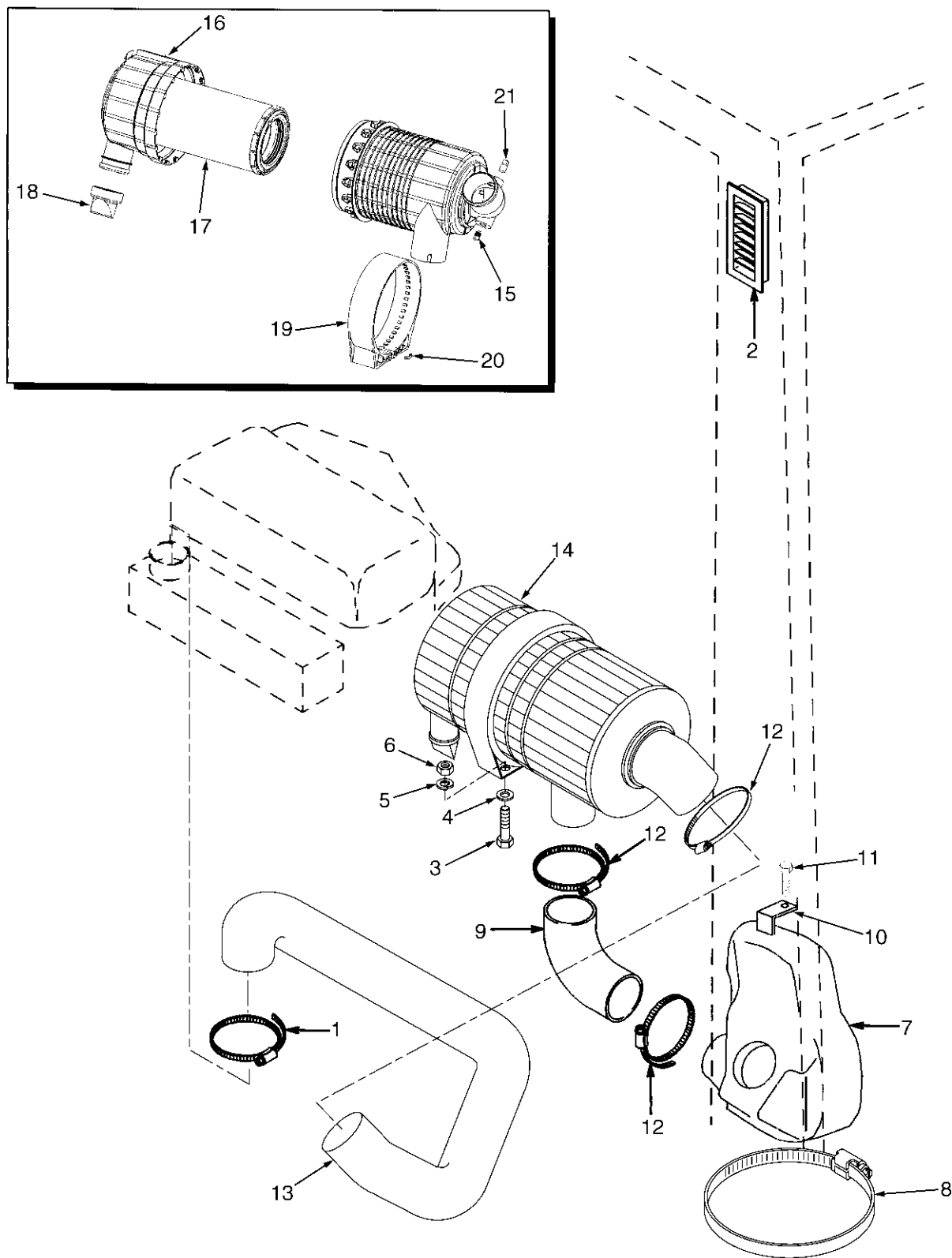
AIR FILTER

DIESEL 2.6L

(⇒S/N H177B-26621)

ITEM	PART NO.	DESCRIPTION	QTY
1	112989	Clamp	2
2	1339265	Grill	1
3	287854	Capscrew.....	2
4	292682	Lockwasher.....	2
5	166857	Clamp	1
6	1383783	Silencer.....	1
7	114312	Strap Clamp.....	1
8	1383784	Hose	1
9	1359608	Plug	1
10	1396255	Hose	1
11	1343635	Air Filter	1
12	305080	Element	1
13	125847	Nut and Gasket	1
14	290734	Clamp	1
15	290735	Baffle	1
16	374922	Cup.....	1
17	374923	Valve.....	1
18	1394008	Clamp	2

AIR FILTER (Figure 3-46) DIESEL 2.6L (S/N H177B-26622⇒)



HP130170

AIR FILTER

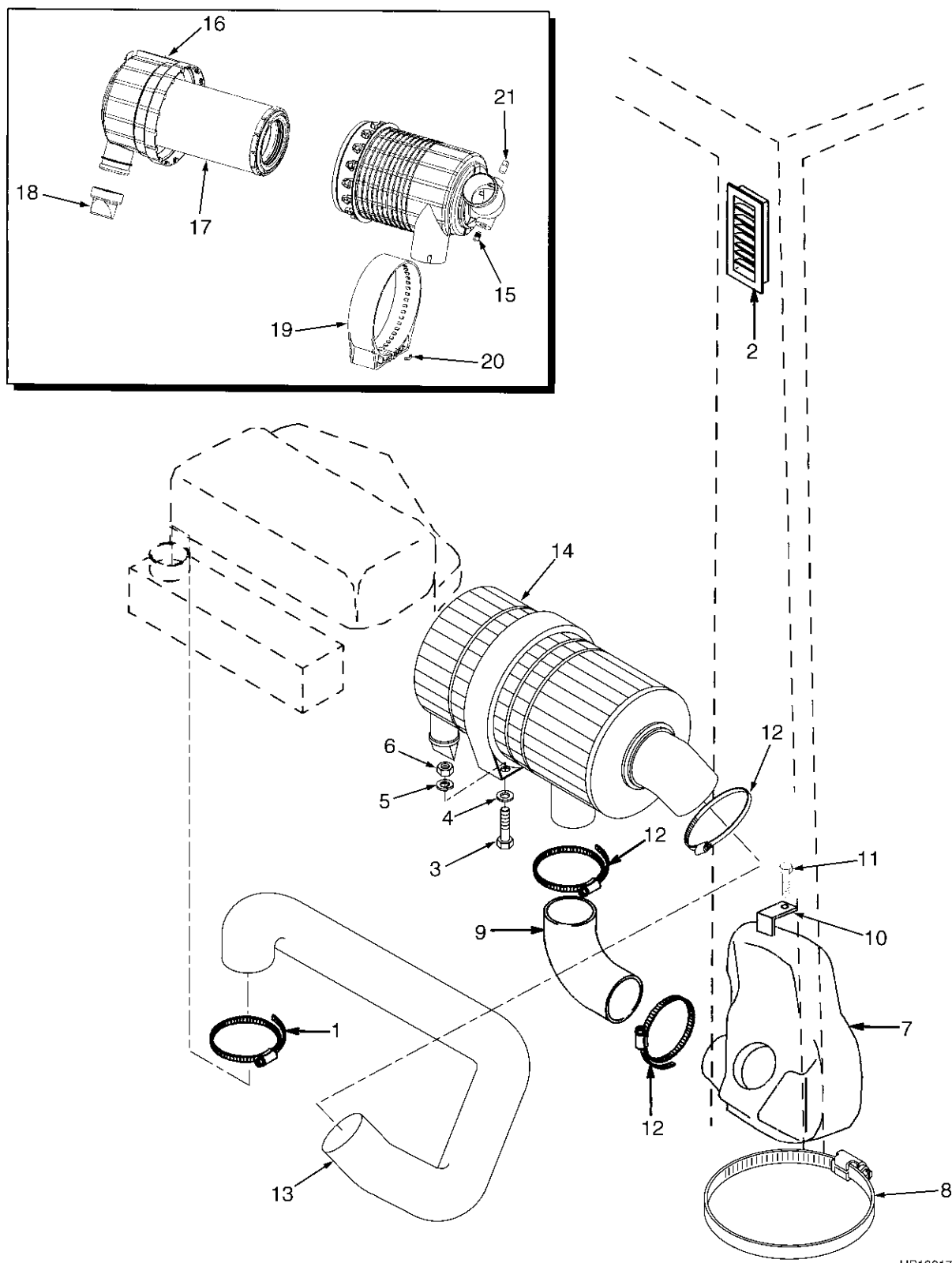
DIESEL 2.6L

(S/N H177B-26622⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	1394008	Clamp	1
2	1339265	Grill	1
3	1510786	Stud	2
4	320157	Washer	2
5	292681	Lockwasher.....	2
6	313828	Nut	2
7	1383783	Silencer.....	1
8	273775	Strap Clamp.....	1
9	a 1484336	Hose	1
9	b 1502808	Hose	1
10	1350215	Nut (Foldover).....	1
11	292501	Capscrew.....	1
12	112989	Clamp	2
13	1484339	Hose	1
14	1485320	Air Filter (Single Element).....	1
14	1485321	Air Filter (Dual Element)	1
15	1462442	Plug	1
16	1494023	Cover.....	1
17	1377080	Element (Single).....	1
17	1452112	Element (Dual)	1
18	1494024	Valve.....	1
19	1494029	Bracket	1
20	1494030	Clip	1
21	1377083	Plug	1

FOOTNOTES:**a** ⇒ S/N H177B-30131Y**b** S/N H177B-30132Y ⇒

AIR FILTER (Figure 3-47) DIESEL TIER II

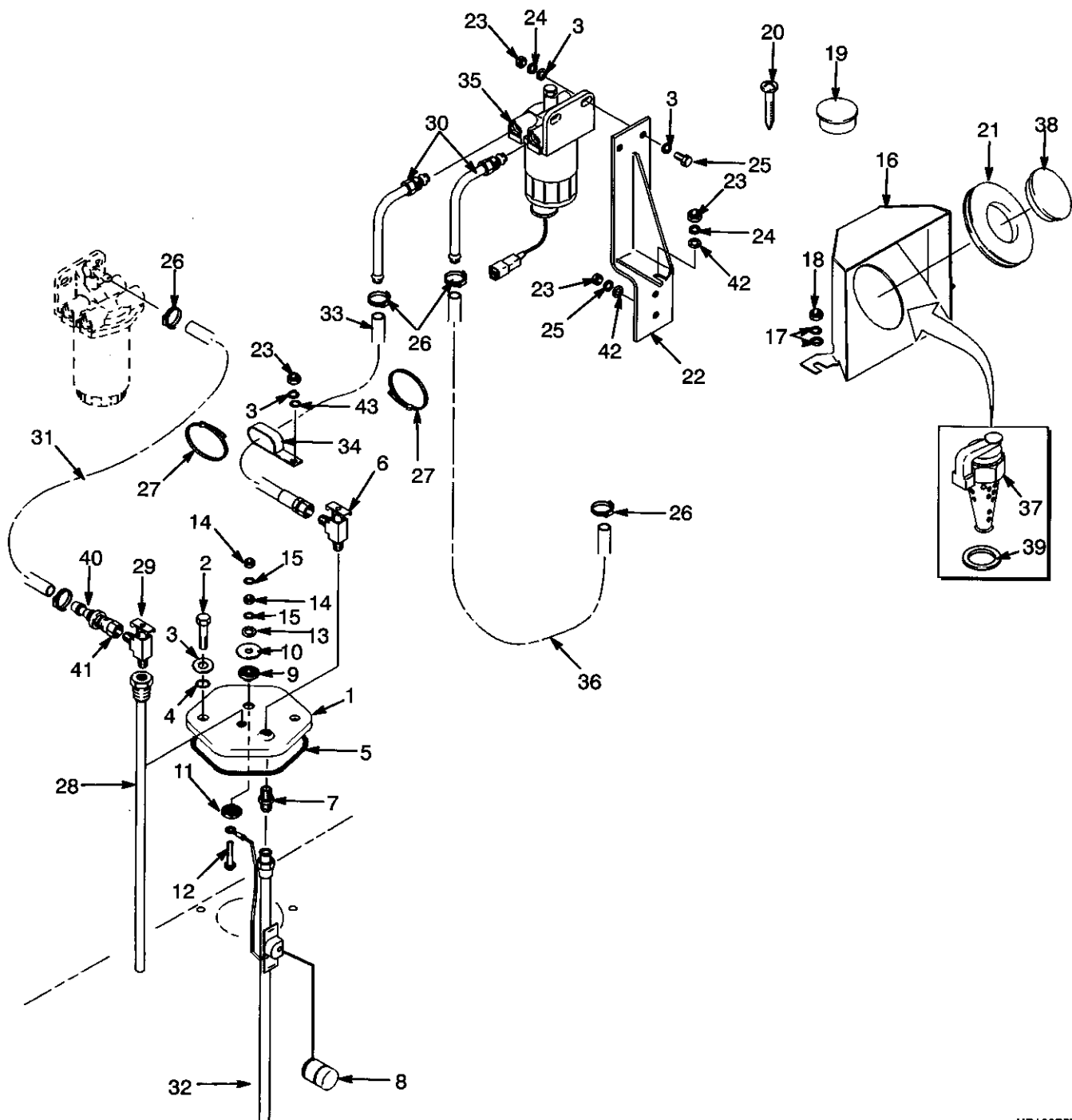


HP130170

**AIR FILTER
DIESEL TIER II**

ITEM	PART NO.	DESCRIPTION	QTY
1	1394008	Clamp	1
2	1339265	Grill	1
3	1510786	Stud	2
4	320157	Washer	2
5	292681	Lockwasher.....	2
6	313828	Nut	2
7	1383783	Silencer.....	1
8	273775	Strap Clamp.....	1
9	1502808	Hose	1
10	1350215	Nut (Foldover).....	1
11	292501	Capscrew.....	1
12	112989	Clamp	2
13	1484339	Hose	1
14	1485320	Air Filter (Single Element).....	1
14	1485321	Air Filter (Dual Element)	1
15	1462442	Plug	1
16	1494023	Cover.....	1
17	1377080	Element (Single).....	1
17	1452112	Element (Dual)	1
18	1494024	Valve.....	1
19	1494029	Bracket	1
20	1494030	Clip	1
21	1377083	Plug	1

FUEL (Figure 3-48) DIESEL 2.6L



HP130757

**FUEL
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
1	d 1343448	Cover	1
2	329067	Screw	2
3	320157	Washer	7
4	353000	O-Ring	2
5	1343449	Seal	1
6	b 1350286	Valve (Shut Off)	1
6	c 87446	Valve	1
7	d 14303	Fitting	1
8	15964	Fitting	1
9	d 1350291	Washer	1
10	d 1350290	Washer	1
11	d 1351000	Washer	1
12	d 1356459	Screw	1
13	d 197067	Washer	1
14	d 1350298	Nut	2
15	d 1350299	Lockwasher	2
16	1376746	Shield	1
17	320158	Washer	2
18	313828	Nut	2
19	1350231	Plug	1
20	1347045	Fastener	1
21	1339720	Grommet	1
22	1396257	Bracket	1
23	239503	Nut	6
24	292681	Lockwasher	5
25	176640	Capscrew	2
26	168718	Clamp	5
27	137852	Strap Clamp	AR
28	d 1350292	Pipe	1
29	d 222480	Fitting	1
30	1396342	Tube Assembly	2
31	193653	Hose	1
32	d 1347153	Fuel Sender	1
32	f 1496367	Fuel Sender Assembly	1
32	e 1465336	Fuel Sender	1
32	f 1496344	Screen	1
33	b 1359437	Hose Assembly	1
33	c 1301601	Hose	1
34	203230	Clamp	1
35	1396256	Water Separator (☞ Figure 3-50)	1
36	309656	Hose	1
37	a 63899	Cap Assembly	1
38	157704	Cap	1
39	a 138880	Shim (0.020 in.)	1
40	c 309651	Fitting	1
41	c 17650	Fitting	1

FUEL DIESEL 2.6L

ITEM	PART NO.	DESCRIPTION	QTY
42	c 320158	Washer	3
43	1375848	Spacer	1

FOOTNOTES:

- a** Type DS
- b** ⇒ S/N H177B-08241
- c** S/N H177B-08242 ⇒
- d** ⇒ S/N H177B-14409W
- e** S/N H177B-14410W ⇒
- f** S/N H177B-27228Y ⇒

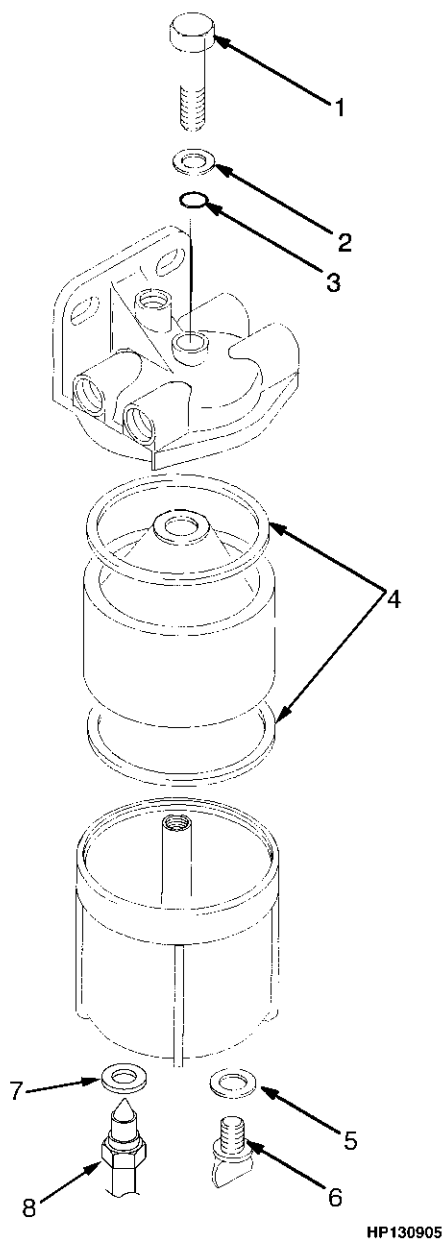
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HP130758

**FUEL FILTER AND FUEL PUMP
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
1	173944	Filter.....	1
2		Element	1
3	124218	O-Ring.....	2
4	124239	Seal	2
5	1307910	Screw.....	2
6	173941	Plug	2
7	981260	Washer	2
8	1457920	Fuel Pipe	1
9	158186	Nut.....	2
10	158187	Olive	2
11	1457897	Fuel Pipe	1
12	158186	Nut.....	2
13	158187	Olive	2
14	1501333	Washer	1
15	1501332	Banjo Fitting	1
16	1501333	Washer	1
17	1457895	Pump (See Figure 3-51)	1
18	1457898	Connector	1
19	1456522	Banjo Bolt	1
20	1456524	Washer	2
21	1457772	Pipe	1
22	152609	Nut	1
23	152608	Olive.....	1
24	1457899	Fuel Pipe	1
25	167507	Nut.....	2
26	167508	Olive	2
27	1457901	Connector	1
28	983322	Washer	1
29	16118	Fitting.....	1
30	16114	Sleeve	1
31	1457902	Fuel Pipe	1
32	1396342	Tube Assembly	1
33	16100	Fitting.....	2
34	16177	Fitting.....	2
	124217	Element Kit (Includes Items 2-4)	1
	1493165	Gasket Kit (Includes Items 10, 13, 26).....	1

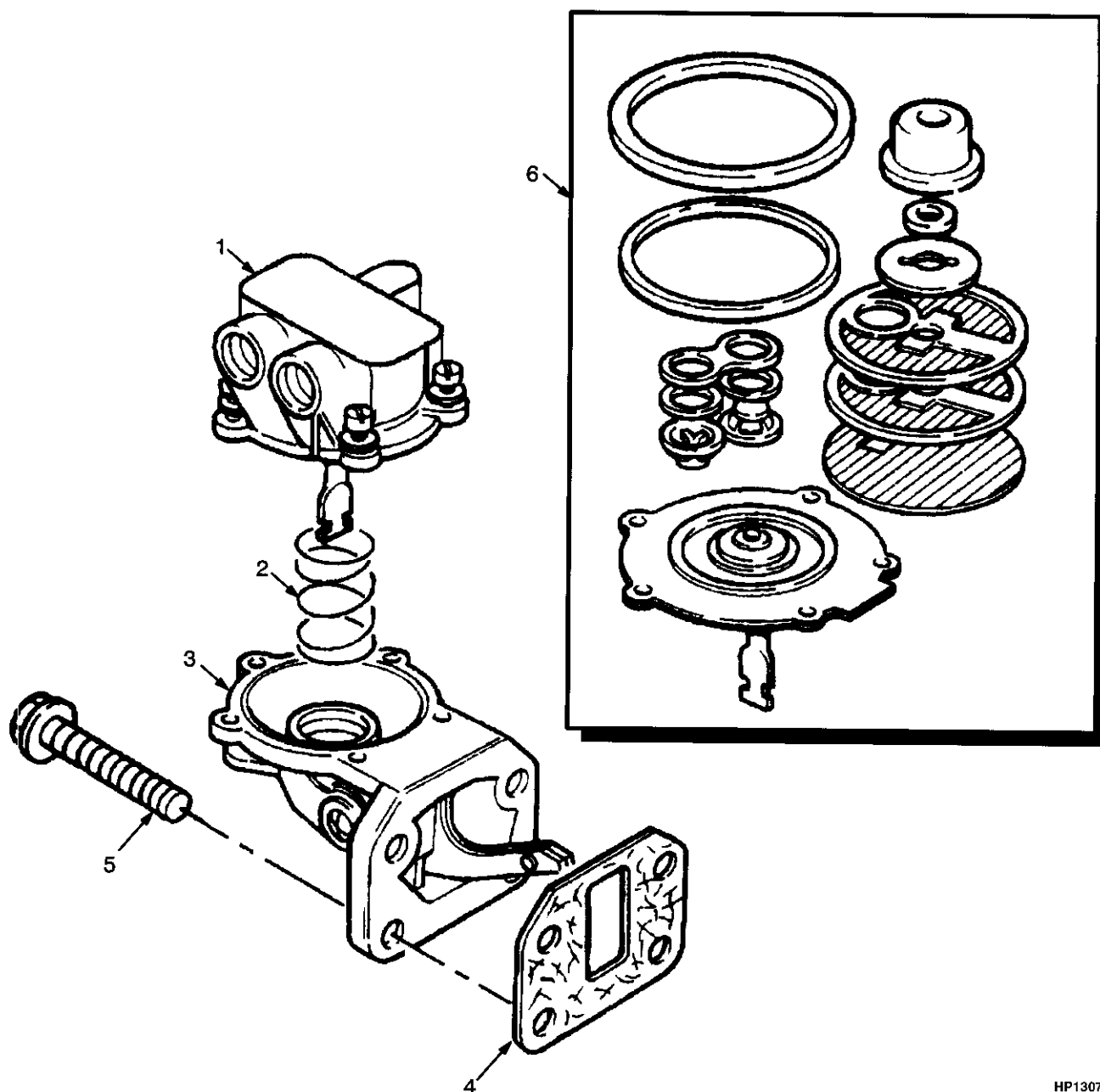
WATER SEPARATOR (Figure 3-50)



WATER SEPARATOR

ITEM	PART NO.	DESCRIPTION	QTY
	1396256	Water Separator	1
1	1464543	Bolt	1
2	1464541	Washer	1
3	1464540	Sealing Ring	1
4	256160	Gasket	2
5	1308006	Washer	1
6	1464544	Drain Plug.....	1
7	1464545	Washer	1
8	1464546	Sensor (Water)	1

FUEL PUMP (Figure 3-51) DIESEL 2.6L



HP130759

**FUEL PUMP
DIESEL 2.6L**

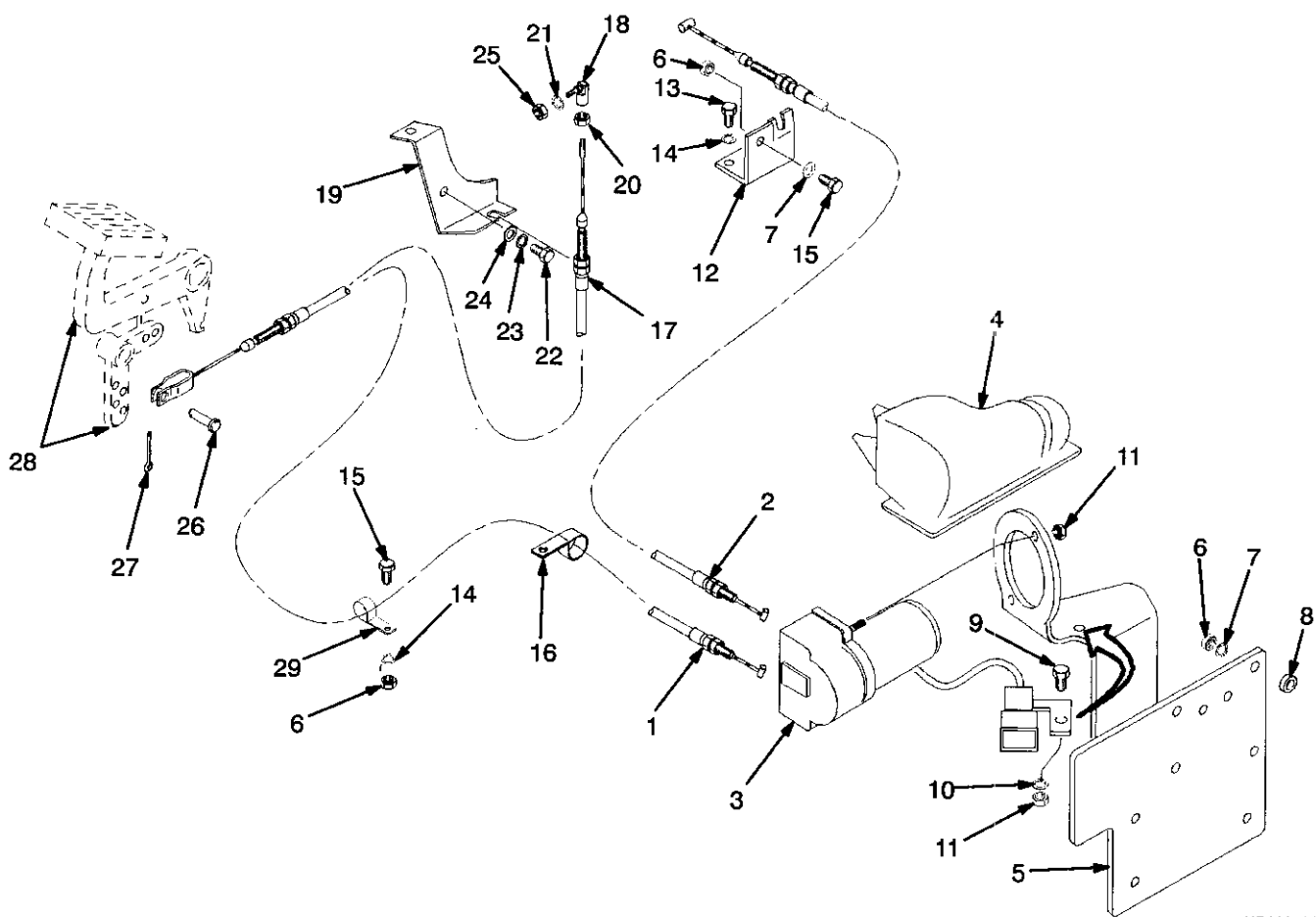
ITEM	PART NO.	DESCRIPTION	QTY
	1457895	Pump	1
1		Cover	1
2		Spring	1
3		Body	1
4	1382562	Gasket	1
5	1306349	Screw	4
6	1456518	Repair Kit	1
	1457956	Gasket Kit (Bottom) (Includes Item 4)	1

THROTTLE LINKAGE (Figure 3-52)

GASOLINE AND LPG

3.0L

(⇒S/N H177B-30073Y)



HP130781

THROTTLE LINKAGE **GASOLINE AND LPG** **3.0L** **(⇒S/N H177B-30073Y)**

KEY:**A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1375834	Cable	1	..
2	1375835	Cable	1	..
3	1359450	Actuator	1	..
4	1356437	Cover	1	..
5	a 1375826	Bracket.....	1	..
5	b 1461044	Bracket.....	1	..
6	313828	Nut	5	..
7	320158	Washer	4	..
8	1375848	Spacer	3	..
9	287816	Capscrew.....	1	..
10	320156	Washer	1	..
11	313805	Nut	3	..
12	1375786	Bracket.....	1	..
13	136749	Capscrew.....	1	..
14	292681	Lockwasher.....	2	..
15	136681	Capscrew.....	2	..
16	1376782	Clamp	1	..
17	1339632	Cable	..	1
18	161252	Ball Stud	..	1
19	1389499	Bracket.....	..	1
20	15002	Nut	..	1
21	15154	Lockwasher.....	..	1
22	16836	Capscrew.....	..	1
23	15155	Lockwasher.....	..	1
24	18515	Washer	..	1
25	15004	Nut	..	1
26	162836	Rod End Pin	1	1
27	15212	Cotter Pin.....	1	1
28		Pedal Linkage (⇒ Figure 3-54)	1	1
29	1376727	Clamp	1	..

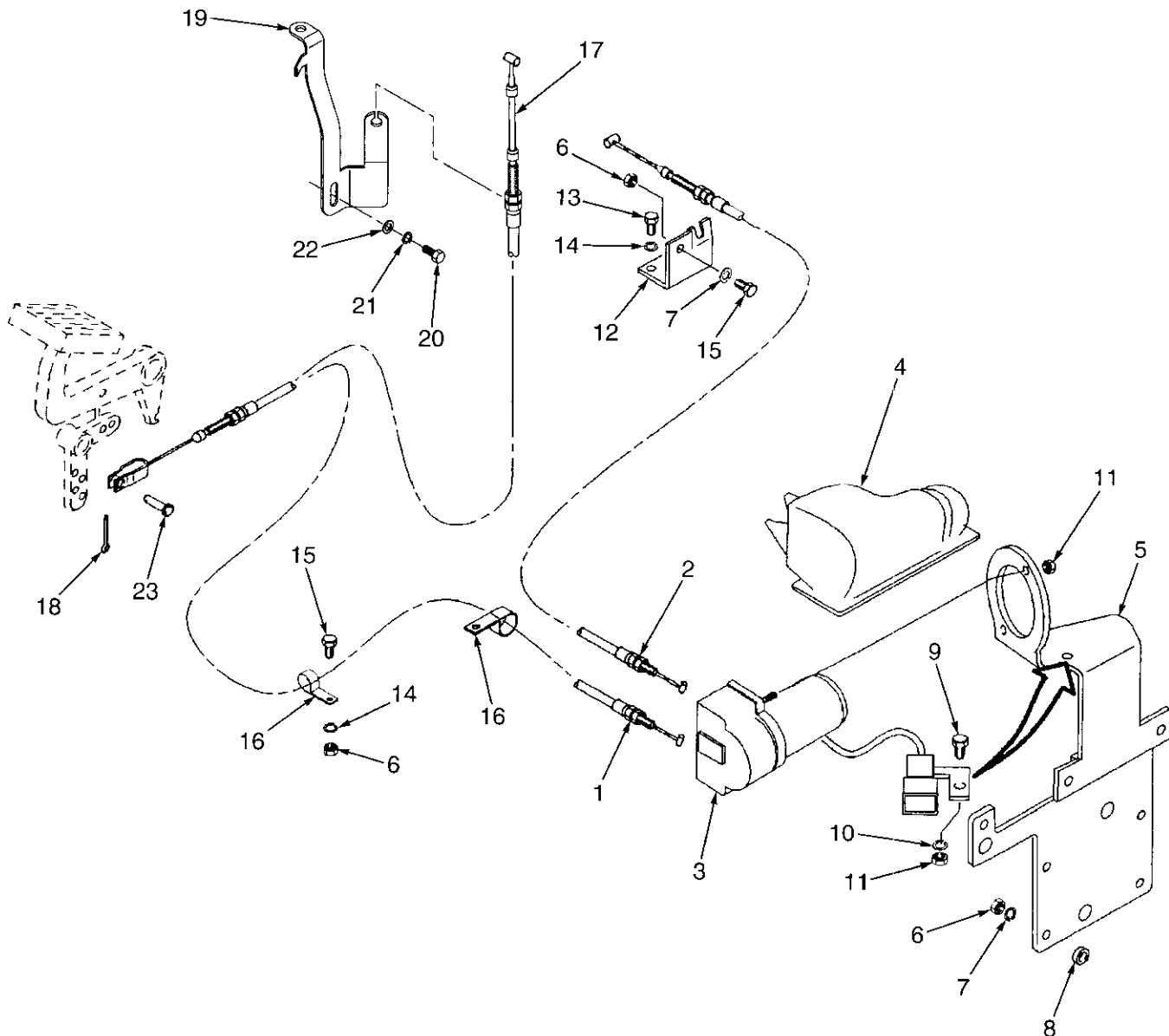
FOOTNOTES:**a** ⇒ S/N H177B-11463**b** S/N H177B-11464 ⇒

THROTTLE LINKAGE (Figure 3-53)

GASOLINE AND LPG

3.0L

(S/N H177B-30074Y⇒)



HP130302

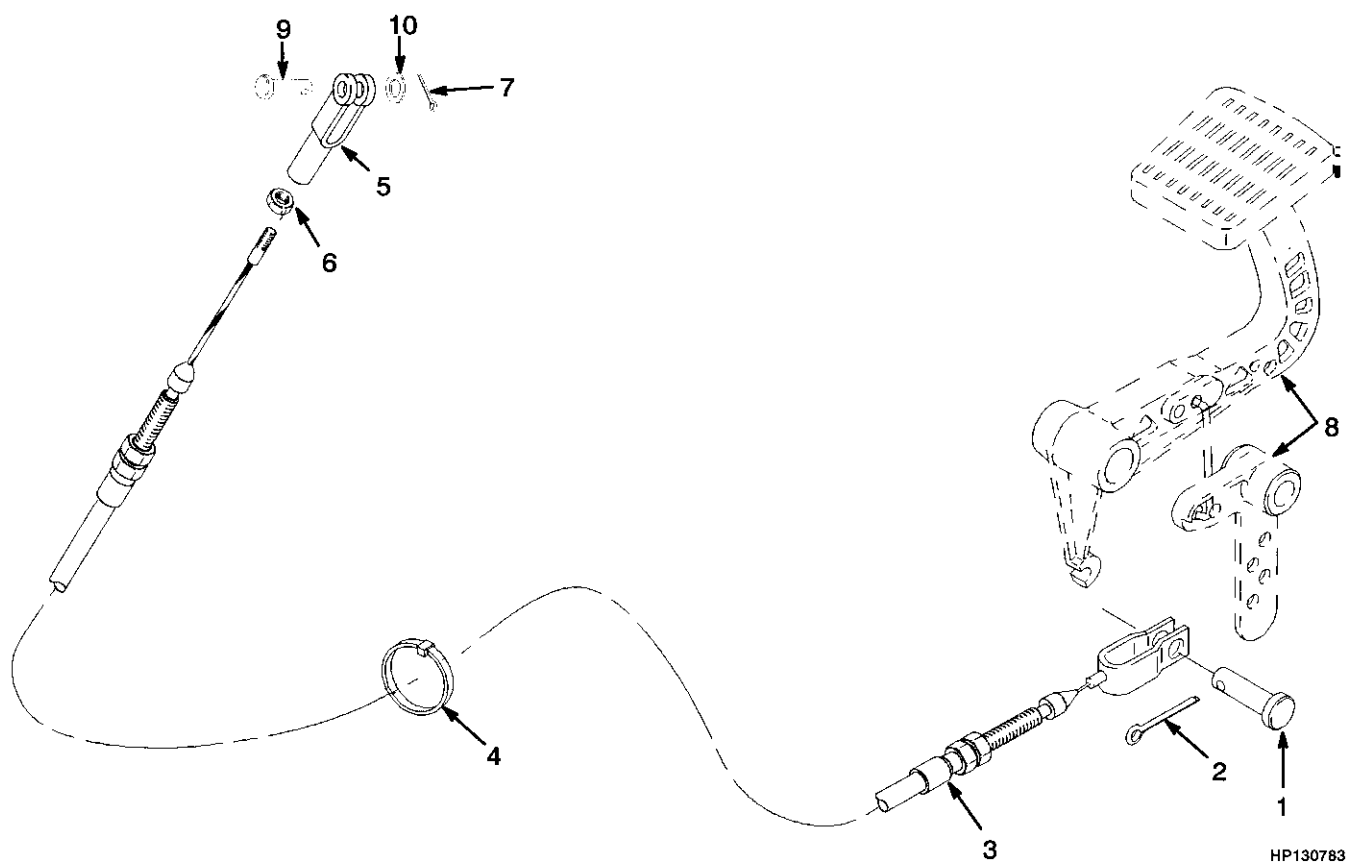
THROTTLE LINKAGE **GASOLINE AND LPG** **3.0L** **(S/N H177B-30074Y⇒)**

KEY:**A: Gasoline****B: LPG**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1375834	Cable	1	..
2	1375835	Cable	1	..
3	1359450	Actuator	1	..
4	1356437	Cover	1	..
5	1461044	Bracket.....	1	..
6	313828	Nut	5	..
7	320158	Washer	4	..
8	1375848	Spacer	3	..
9	287816	Capscrew.....	1	..
10	320156	Washer	1	..
11	313805	Nut	3	..
12	1375786	Bracket.....	1	..
13	136749	Capscrew.....	1	..
14	292681	Lockwasher.....	2	..
15	136681	Capscrew.....	2	..
16	1376782	Clamp	1	..
17	c 1498198	Cable	..	1
17	d 1556407	Cable	..	1
18	15212	Cotter Pin.....	1	1
19	a 1471862	Bracket.....	..	1
19	b 1537474	Bracket.....	..	1
20	16836	Capscrew.....	..	1
21	15155	Lockwasher.....	..	1
22	18515	Washer	..	1
23	162836	Rod End Pin	1	1
24	1376727	Clamp	1	..

FOOTNOTES:**a** ⇒ S/N H177B-35697Z**b** S/N H177B-35698Z ⇒**c** ⇒ S/N PENDING PER ECN 95655**d** S/N PENDING PER ECN 95655 ⇒

THROTTLE LINKAGE (Figure 3-54) GASOLINE, LPG AND DIESEL 2.0L AND 2.6L



HP130783

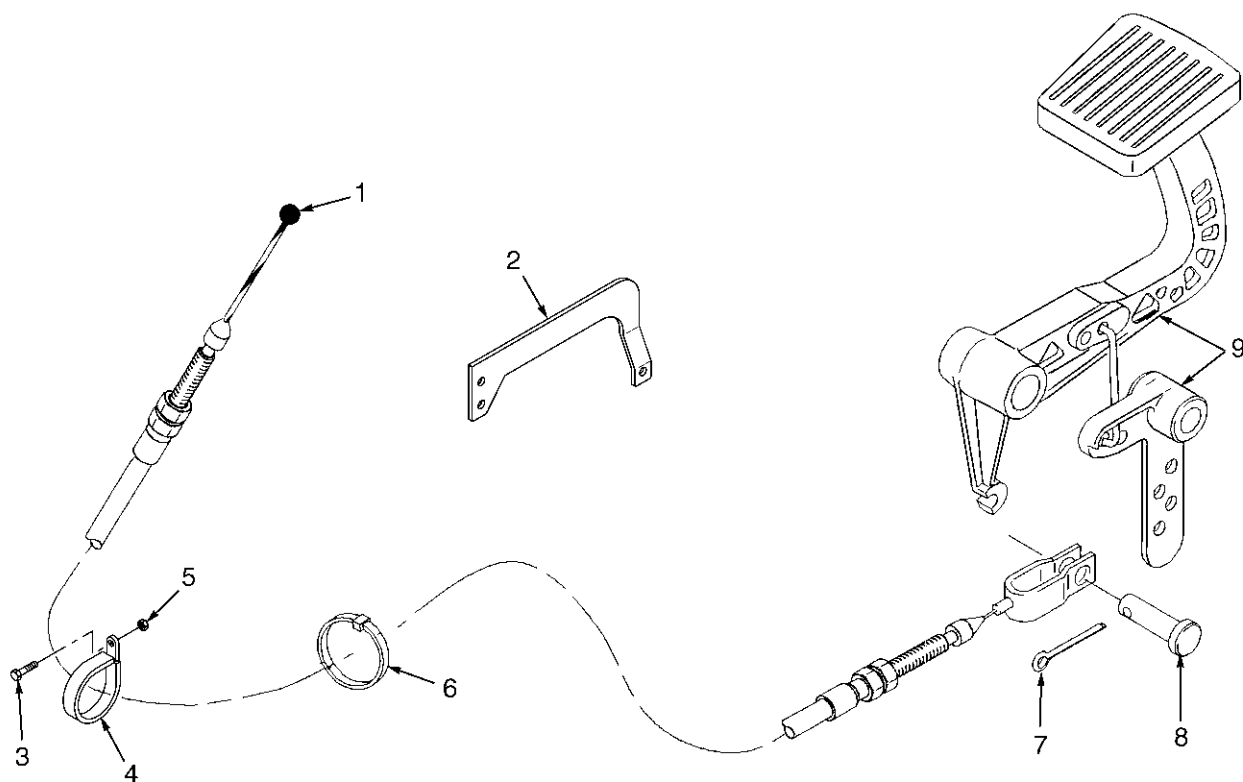
THROTTLE LINKAGE GASOLINE, LPG AND DIESEL 2.0L AND 2.6L

KEY:**A: Gasoline 2.0L****B: LPG 2.0L****C: Diesel 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	162836	Rod End Pin	1	1	1
2	15212	Cotter Pin.....	1	1	1
3	b 1339626	Cable	1	1	..
3	a 1356522	Cable	..	1	..
3	1461427	Cable	..	..	1
4	137852	Strap Clamp.....	1	1	1
5	a 161617	Rod End.....	..	1	..
6	a 15002	Nut	..	1	..
7	a 15211	Cotter Pin.....	..	1	..
7	221877	Cotter Pin.....	..	..	1
8	1343526	Pedal (Monotrol) (☞ Figure 3-56)	1	..	1
8	1343530	Pedal (Throttle) (☞ Figure 3-56)	1	..	1
8	1356478	Pedal (Monotrol) (☞ Figure 3-56)	..	1	..
8	1356479	Pedal (Throttle) (☞ Figure 3-56)	..	1	..
9	1458427	Pin	..	..	1
9	a 309109	Rod End Pin	..	1	..
10	a 320155	Washer	..	1	..

FOOTNOTES:**a** ⇒ S/N H177B-23393X**b** S/N H177B-23394X ⇒ LPG

THROTTLE LINKAGE (Figure 3-55) GASOLINE, LPG, AND DIESEL EPA COMPLIANT



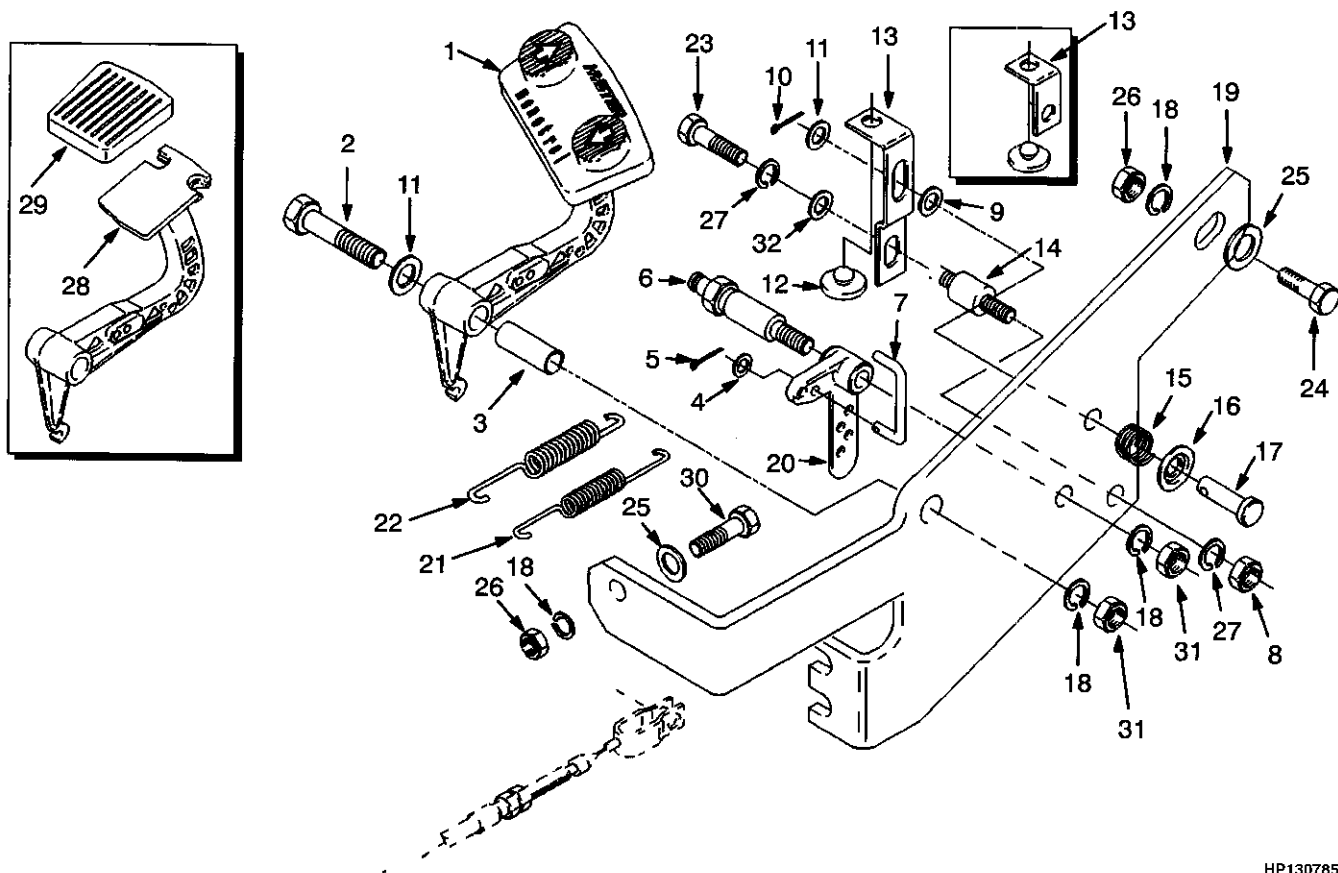
BP130047

THROTTLE LINKAGE GASOLINE, LPG, AND DIESEL EPA COMPLIANT

KEY:**A: 2.0L, 2.2L Gasoline****B: 2.0L, 2.2L LPG****C: 2.6, 3.0 Diesel****D: 3.0L Gasoline**

ITEM	PART NO.	DESCRIPTION	QTY			
			A	B	C	D
1	1547239	Cable	1	1	1	..
1	2065705	Cable	..	..	..	1
2	1548351	Bracket.....	..	..	1	..
3	1534417	Capscrew.....	..	..	1	..
4	1486566	Clamp	..	..	1	..
5	1514429	Nut (Flange).....	..	..	1	..
6	137852	Strap Clamp.....	1	1	1	1
7	15212	Cotter Pin.....	1	1	1	1
8	162836	Rod End Pin	1	1	1	1
9	1356479	Pedal (Throttle)	1	1	1	1
9	1356478	Pedal (Monotrol)	1	1	1	1

PEDAL LINKAGE (Figure 3-56)



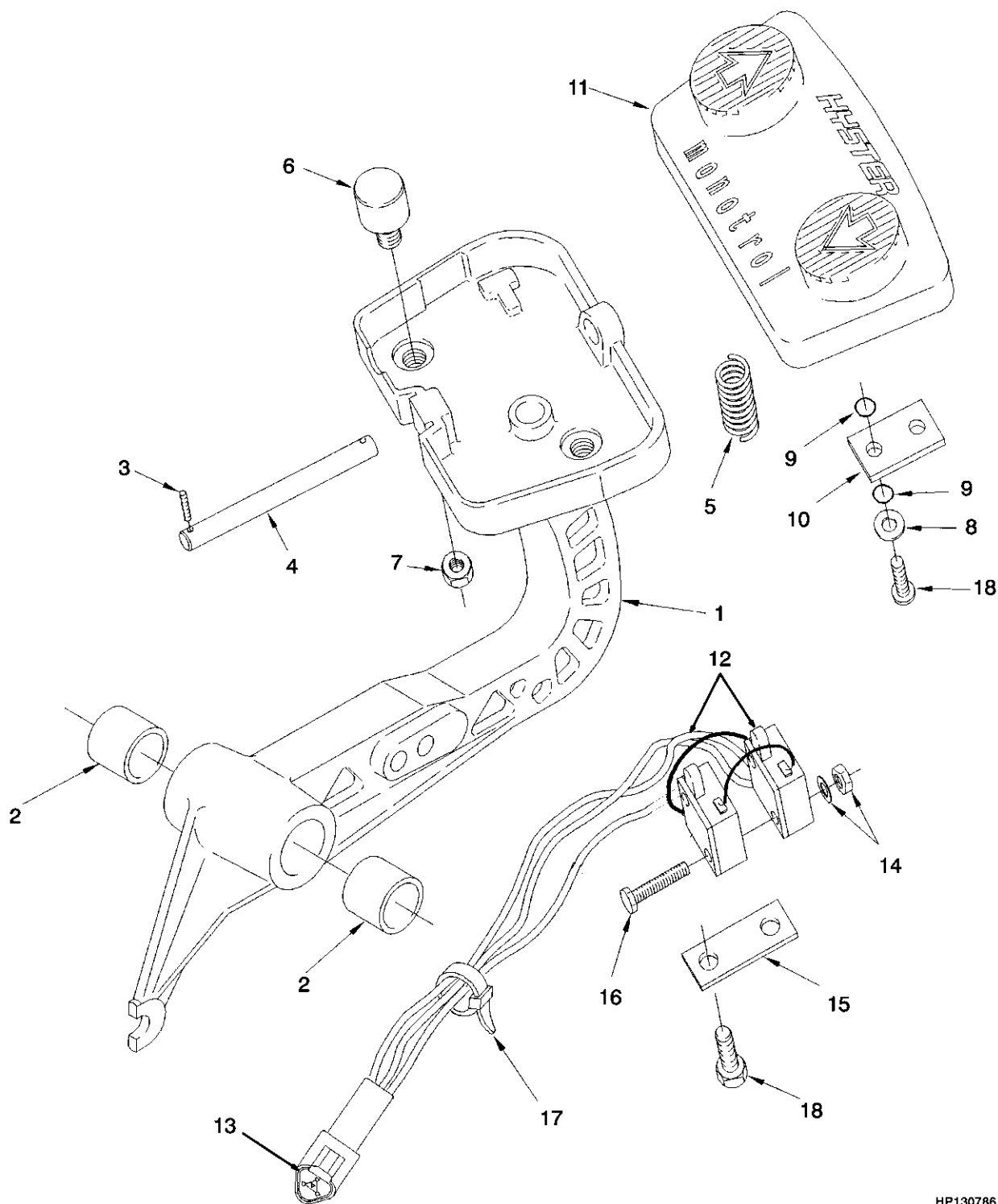
HP130785

PEDAL LINKAGE**KEY:****A: Monotrol Pedal****B: Forward/Reverse Lever**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 1343526	Pedal (Monotrol)	1	..
	a 1343530	Pedal (Throttle)	..	1
	b 1356478	Pedal (Monotrol)	1	..
	b 1356479	Pedal (Throttle)	..	1
1	1352575	Pedal Assembly (See Figure 3-57)	1	..
2	292521	Capscrew.....	..	1
2	292523	Capscrew.....	1	..
3	325708	Bushing.....	..	1
3	353141	Bushing.....	1	..
4	320156	Washer	1	1
5	15211	Cotter Pin.....	1	1
6	352485	Shaft	1	1
7	1347159	Rod	1	1
8	239503	Nut	1	..
8	296128	Nut	..	1
9	320158	Washer	1	..
10	15212	Cotter Pin.....	1	..
11	320160	Washer	3	2
12	353195	Bumper	1	1
13	352950	Bracket.....	1	..
13	353159	Bracket.....	..	1
14	353453	Mount.....	1	..
15	353172	Spring	1	..
16	353230	Cap	1	..
17	142	Pin	1	..
18	292682	Lockwasher.....	4	4
19	1339717	Bracket.....	1	1
20	353164	Crank	1	1
21	353142	Spring	1	1
22	353143	Spring	1	1
23	287851	Capscrew.....	1	..
23	287854	Capscrew.....	..	1
24	136985	Capscrew.....	1	1
25	320159	Washer	1	1
26	136692	Nut	1	1
27	292682	Lockwasher.....	..	2
28	352499	Pedal.....	..	1
29	352885	Pad	..	1
30	287860	Capscrew.....	1	1
31	136692	Nut	2	2
32	292681	Lockwasher.....	2	..

FOOTNOTES:**a** Gasoline 2.0L, Diesel 2.6L**b** LPG 2.0L, Gasoline and LPG 3.0L

MONOTROL PEDAL (Figure 3-57)



HP130786

MONOTROL PEDAL

ITEM	PART NO.	DESCRIPTION	QTY
	1352575	Pedal Assembly	1
1	353397	Pedal	1
2	135685	Bushing	2
3	220932	Screw	2
3	360387	Sealant	AR
4	353154	Pin	1
5	353168	Spring	1
6	353422	Magnet	2
7	353432	Nut	2
8	353448	Washer	4
9	57568	O-Ring	8
10	359207	Plate	2
11	353175	Pad	1
12	1352090	Switch Assembly	1
12		Wire Harness	1
13	1330410	Connector	1
13	1330415	Lock	1
13	1330435	Pin.....	3
14	16865	Nut.....	2
14	53162	Lockwasher	2
15	353165	Retainer.....	1
16	220434	Capscrew	2
17	114312	Strap Clamp	3
18	352969	Screw	6

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4

ELECTRICAL SYSTEM

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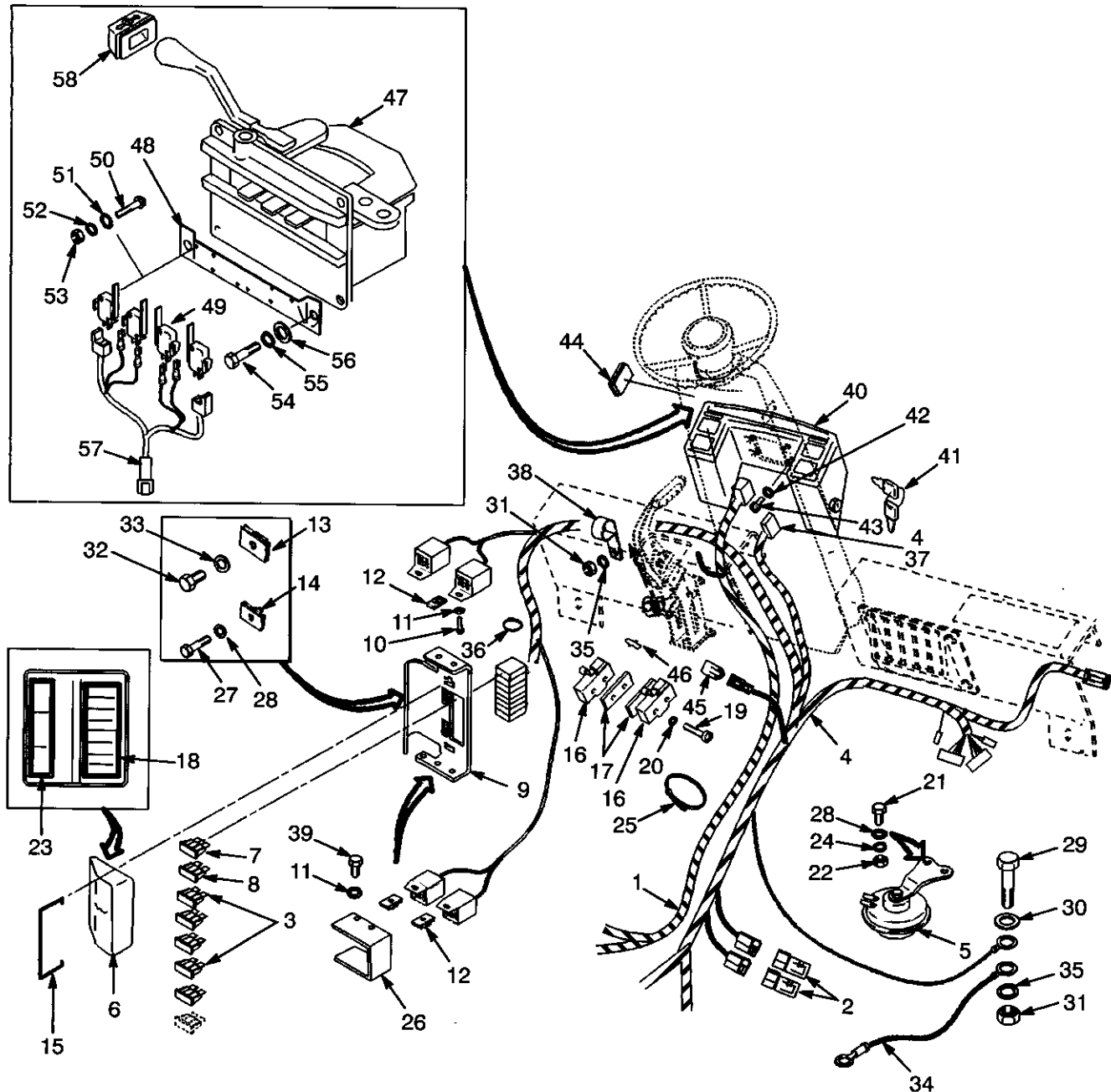
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ELECTRICAL (Figure 4-1) COWL



HP081321

**ELECTRICAL
COWL**

ITEM	PART NO.	DESCRIPTION	QTY
1	1375703	Wire Harness (☞ Figure 4-24)	1
2	1361305	Diode	2
3	1320669	Fuse (30 Amp)	2
4	c 1376732	Wire Harness (Cowl) (☞ Figure 4-17)	1
4	e 1486766	Wire Harness (Cowl) (☞ Figure 4-18)	1
4	f 1494358	Wire Harness (Cowl) (☞ Figure 4-19)	1
5	1495185	Horn	1
6	370863	Cover	1
7	370646	Fuse (5 Amp)	1
8	370647	Fuse (10 Amp)	1
9	1376748	Bracket	1
10	302244	Screw	1
11	320155	Washer	3
12	1376581	Nut	3
13	1350282	Nut	1
14	1354323	Nut	1
15	370864	Latch (Cover)	1
16	370868	Switch	1
16	b 370868	Switch	2
16	b 387869	Boot (Type GS, LPS and DS)	2
17	316132	Spacer	1
17	b 316132	Spacer	2
18	1389485	Label (Fuse Panel)	1
18	d 1486767	Label (Fuse Panel)	1
19	86510	Screw	2
19	b 86510	Screw	4
20	138573	Lockwasher	2
20	b 138573	Lockwasher	2
21	b 292500	Capscrew	2
22	313805	Nut	2
23	1365860	Label (Accessory Fuse)	1
23	1543668	Label (Accessory Fuse) (EPA Compliant)	1
24	292680	Lockwasher	2
25	129563	Strap Clamp	AR
26	1389475	Bracket	1
27	292501	Capscrew	3
28	320156	Washer	3
29	176640	Capscrew	1
30	320158	Washer	1
31	292654	Nut	3
32	136681	Capscrew	1
33	320157	Washer	1
34	387892	Wire Harness (Ground)	1
35	292681	Lockwasher	3
36	137852	Strap Clamp	1
37	322784	Compound	AR
38	196395	Clamp	2
39	302245	Screw	2
40		Instrument Cluster (☞ Figure 4-62, ☞ Figure 4-63)	1
41	1337197	Key Set	1
42	292680	Lockwasher	4

**ELECTRICAL
COWL**

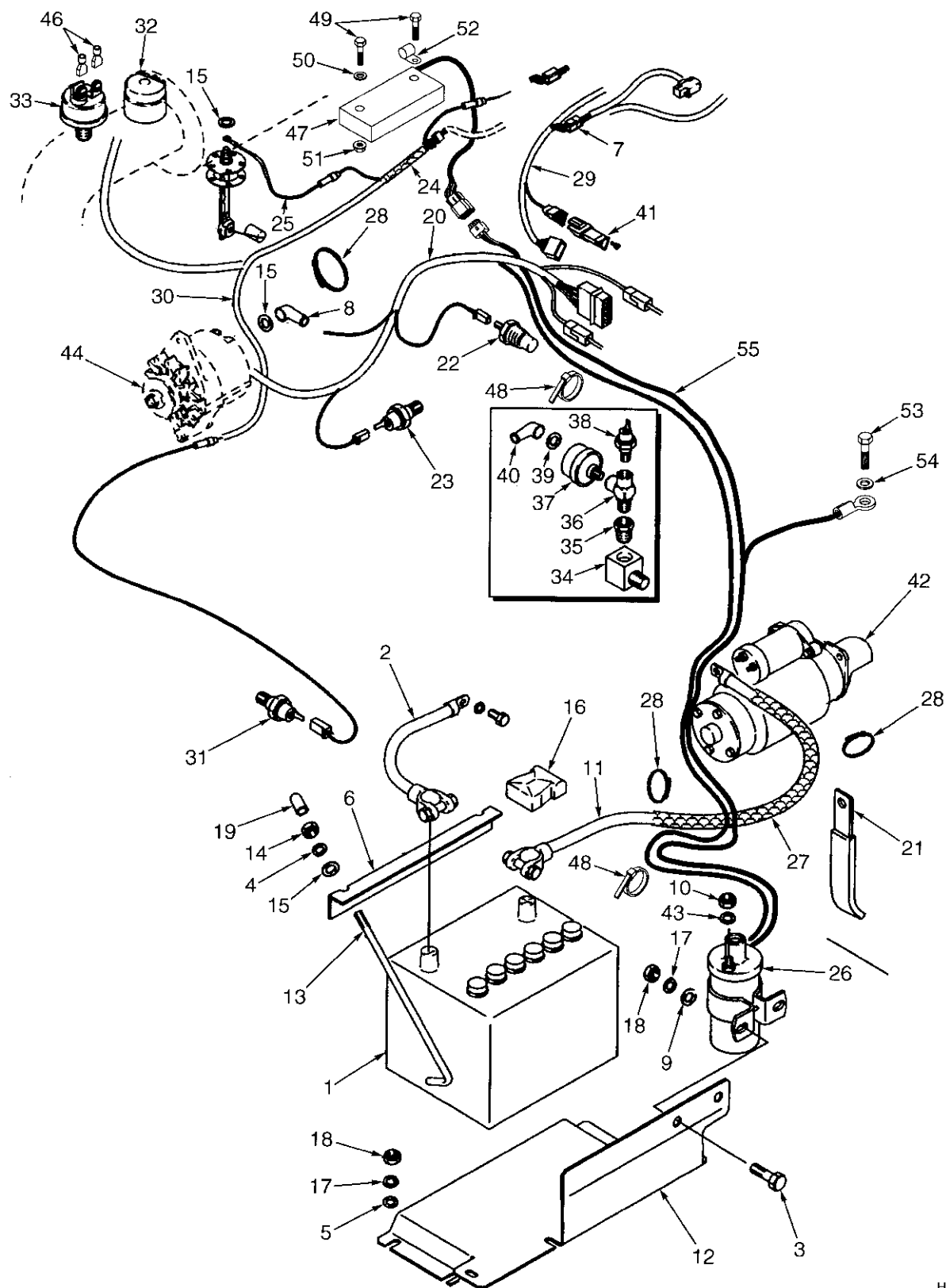
ITEM	PART NO.	DESCRIPTION	QTY
43	292500	Capscrew.....	4
44	b 1343597	Plug	1
45	b 1351683	Connector	1
46	a 1361121	Connector (Blade)	1
47	a 1347004	Shift Lever Assembly ( Figure 6-2)	1
48	a 1343595	Plate	1
49	a 1343636	Switch	4
50	a 220426	Screw.....	8
51	a 53162	Lockwasher.....	8
52	a 18419	Lockwasher.....	8
53	a 16865	Nut	8
54	a 292500	Capscrew.....	4
55	a 292680	Lockwasher.....	4
56	a 320156	Washer	4
57	a 1352088	Wire Harness.....	1
58	a 1343596	Bracket.....	1

FOOTNOTES:

- a** Forward and Reverse Lever
b Monotrol Pedal
c ⇒ S/N H177B-26763Y
d S/N H177B-26764Y ⇒
e ⇒ S/N H177B-301180Y
f S/N H177B-301181Y ⇒

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ELECTRICAL (Figure 4-2) 2.0L AND 2.2L GASOLINE NON EPA COMPLIANT (⇒S/N H177B-26763Y FOR LPG)



HP081396

ELECTRICAL
2.0L AND 2.2L
GASOLINE NON EPA COMPLIANT
(⇒S/N H177B-26763Y FOR LPG)

ITEM	PART NO.	DESCRIPTION	QTY
1	b 177894	Battery (Dry)	1
1	1383331	Battery (Wet)	1
2	153931	Battery Cable (Negative)	1
3	136681	Capscrew	2
4	292680	Lockwasher	2
5	320158	Washer	3
6	1354379	Bracket	1
7	1351681	End Cap	1
8	a 190383	Boot	2
9	320157	Washer	2
10	292668	Nut	2
11	1450104	Battery Cable (Positive)	1
12	k 1458009	Battery Tray	1
12	k 1483207	Battery Tray	1
13	309124	Link (Battery Holddown)	2
14	136687	Nut	2
15	18500	Washer	4
16	257241	Boot	1
17	292681	Lockwasher	5
18	239503	Nut	5
19	1326939	Cap	2
20	h 1385862	Wire Harness (Engine) (☞ Figure 4-27)	1
20	i 2036169	Wire Harness (Engine) (☞ Figure 4-27)	1
21	1360146	Clamp	2
22	1360086	Oil Pressure Switch	1
22	b 2026608	Oil Pressure Switch (Optional)	1
23	1367633	Temperature Sender	1
24	275498	Conduit (15 in.)	1
25	f 1356131	Wire Harness (Fuel Probe) (Gasoline)	1
26	1324278	Coil	1
27	275496	Conduit (63 in.)	1
28	129563	Strap Clamp	AR
29	1352066	Wire Harness (Neutral Start) (Monotrol Pedal)	1
30	f 1376747	Wire Harness (Chassis) (☞ Figure 4-20)	1
30	g 1466043	Wire Harness (Chassis) (☞ Figure 4-21)	1
30	j 1476759	Wire Harness (Chassis)	1
31	l 1356105	Low Coolant Sender	1
31	m 1535196	Low Coolant Sender	1
31	m 190383	Boot (Not Illustrated)	1
32	1347067	Switch (Restriction)	1
33	a 1351133	Low Pressure Switch	1
34	b 16151	Fitting	1
35	b 367224	Adapter	1
36	b 16186	Fitting	1
37	n 1356108	Oil Pressure Sender (NON-EPA Compliant)	1
38	b 1368983	Switch (Pressure)	1
39	b 18500	Washer	1
40	b 190383	Boot	2
41	1351682	End Cap (Forward/Reverse Lever)	1

ELECTRICAL
2.0L AND 2.2L
GASOLINE NON EPA COMPLIANT
(⇒S/N H177B-26763Y FOR LPG)

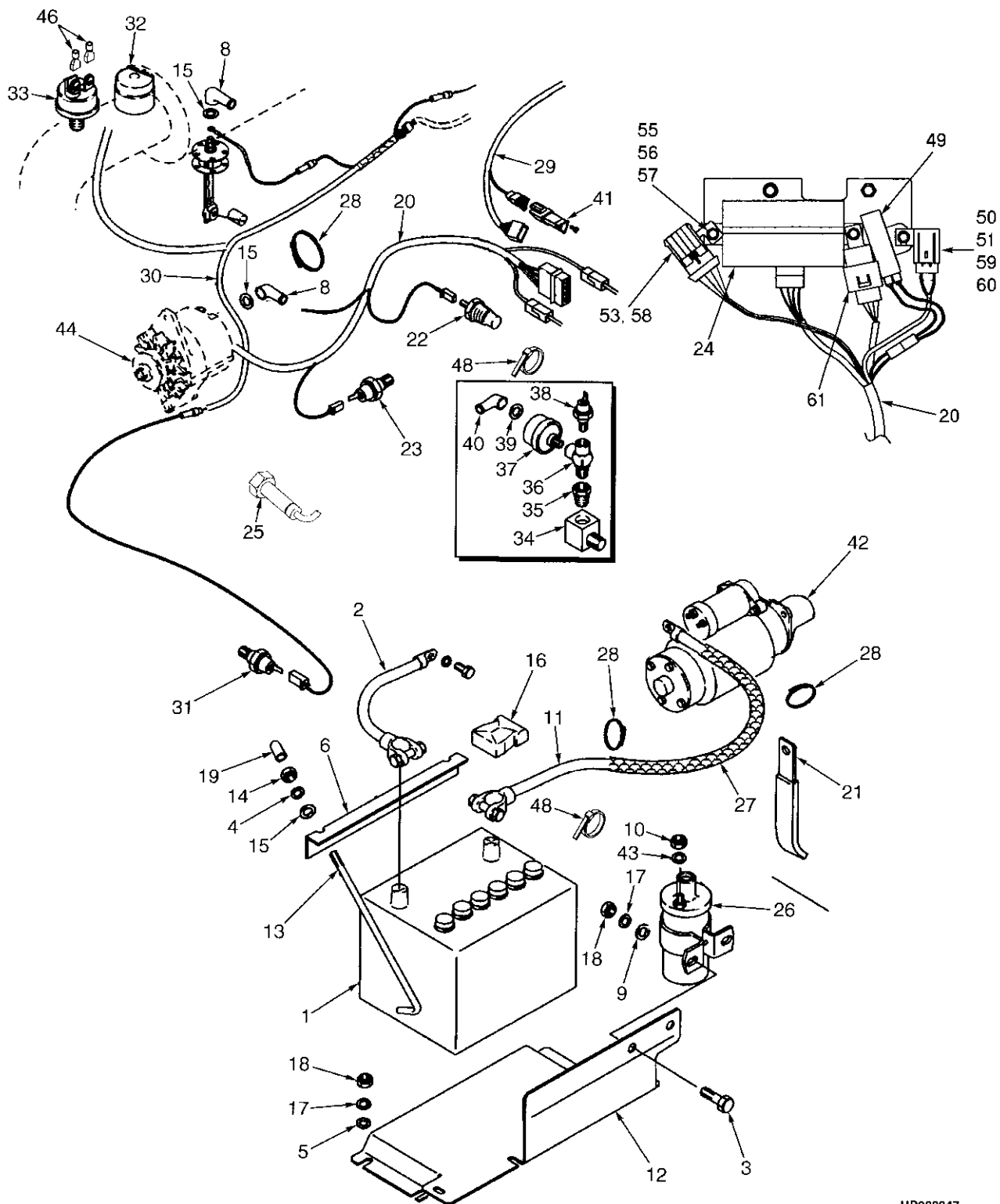
ITEM	PART NO.	DESCRIPTION	QTY
42	d 1362069	Starter (☞ Figure 4-59)	1
42	e 2314322	Starter (☞ Figure 4-60)	1
43	292679	Lockwasher.....	2
44	1450928	Alternator (☞ Figure 4-53)	1
44	c 1394002	Alternator (☞ Figure 4-54)	1
45	aj 16187	Fitting.....	1
46	aj 190380	Boot	1
47	aj 2039306	Switch Assembly (Revolution)	1
48	aj 129563	Strap Clamp.....	2
49	aj 302028	Screw.....	2
50	aj 320154	Washer	2
51	aj 815597	Nut	2
52	aj 1356125	Clamp	1
53	aj 148962	Capscrew.....	1
54	aj 296379	Washer	1
55	aj 1476595	Wire Harness (LPG Engine) (☞ Figure 4-30)	1
56	j 14349	Fitting (Not Illustrated)	1

FOOTNOTES:

- a** LPG
- b** Premium Option
- c** Type GS, LPS, DS
- d** ⇒ S/N H177B-13244
- e** S/N H177B-13245 ⇒
- f** ⇒ S/N H177B-13698W
- g** S/N H177B-13699W⇔S/N H177B-23393X
- h** ⇒ S/N H177B-14249W
- i** S/N H177B-14250W ⇒
- j** S/N H177B-23394 ⇒
- k** ⇒ S/N H177B-30073Y
- l** ⇒ S/N H177B-41039A
- m** S/N H177B-42139A ⇒
- n** ⇒ S/N PENDING PER ECN 95519

[illegible]

ELECTRICAL (Figure 4-3) LPG WITH LOW EMISSIONS 2.0L AND 2.2L (S/N H177B-26764Y⇒)



HP080947

ELECTRICAL
LPG WITH LOW EMISSIONS
2.0L AND 2.2L
(S/N H177B-26764Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	1383331	Battery (Wet)	1
2	153931	Battery Cable (Negative)	1
3	136681	Capscrew.....	2
4	292680	Lockwasher.....	2
5	320158	Washer	3
6	1354379	Bracket.....	1
7	b 1351681	End Cap.....	1
8	190383	Boot	1
9	320157	Washer	2
10	292668	Nut	2
11	1450104	Battery Cable (Positive)	1
12	f 1458009	Battery Tray.....	1
12	g 1483207	Battery Tray.....	1
13	309124	Link (Battery Holddown)	2
14	136687	Nut	2
15	18500	Washer	4
16	257241	Boot	1
17	292681	Lockwasher.....	3
18	239503	Nut	5
19	1326939	Cap	2
20	1486374	Wire Harness (Engine) (☞ Figure 4-28)	1
21	1360146	Clamp	2
22	1360086	Oil Pressure Switch	1
22	c 2026608	Oil Pressure Switch (Optional)	1
23	1367633	Temperature Sender	1
24	e 1482459	Controller	1
24	a 1553980	Controller	1
25	1487191	Oxygen Sensor.....	1
26	1324278	Coil	1
27	275496	Conduit (51 in.).....	1
28	129563	Strap Clamp.....	AR
29	1352066	Wire Harness (Neutral Start) (Monotrol Pedal) (☞ Figure 4-25)	1
30	f 1466043	Wire Harness (Chassis) (☞ Figure 4-21)	1
30	g 1476759	Wire Harness (Chassis) (Low Emission) (☞ Figure 4-22)	1
30	i 1556850	Wire Harness (Chassis) (EPA Compliant)	1
31	h 1356105	Low Coolant Sender	1
31	j 1535196	Low Coolant Sender	1
31	j 190383	Boot (Not Illustrated).....	1
32	1347067	Switch (Restriction).....	1
33	1351133	Low Pressure Switch	1
34	c 16151	Fitting.....	1
35	c 367224	Adapter	1
36	c 16186	Fitting.....	1
37	c 1514215	Oil Pressure Sender	1
38	c 1368983	Switch (Pressure)	1
39	c 18500	Washer	1
40	c 190383	Boot	1
41	b 1351682	End Cap.....	1
42	2314322	Starter (☞ Figure 4-60)	1

ELECTRICAL
LPG WITH LOW EMISSIONS
2.0L AND 2.2L
(S/N H177B-26764Y⇒)

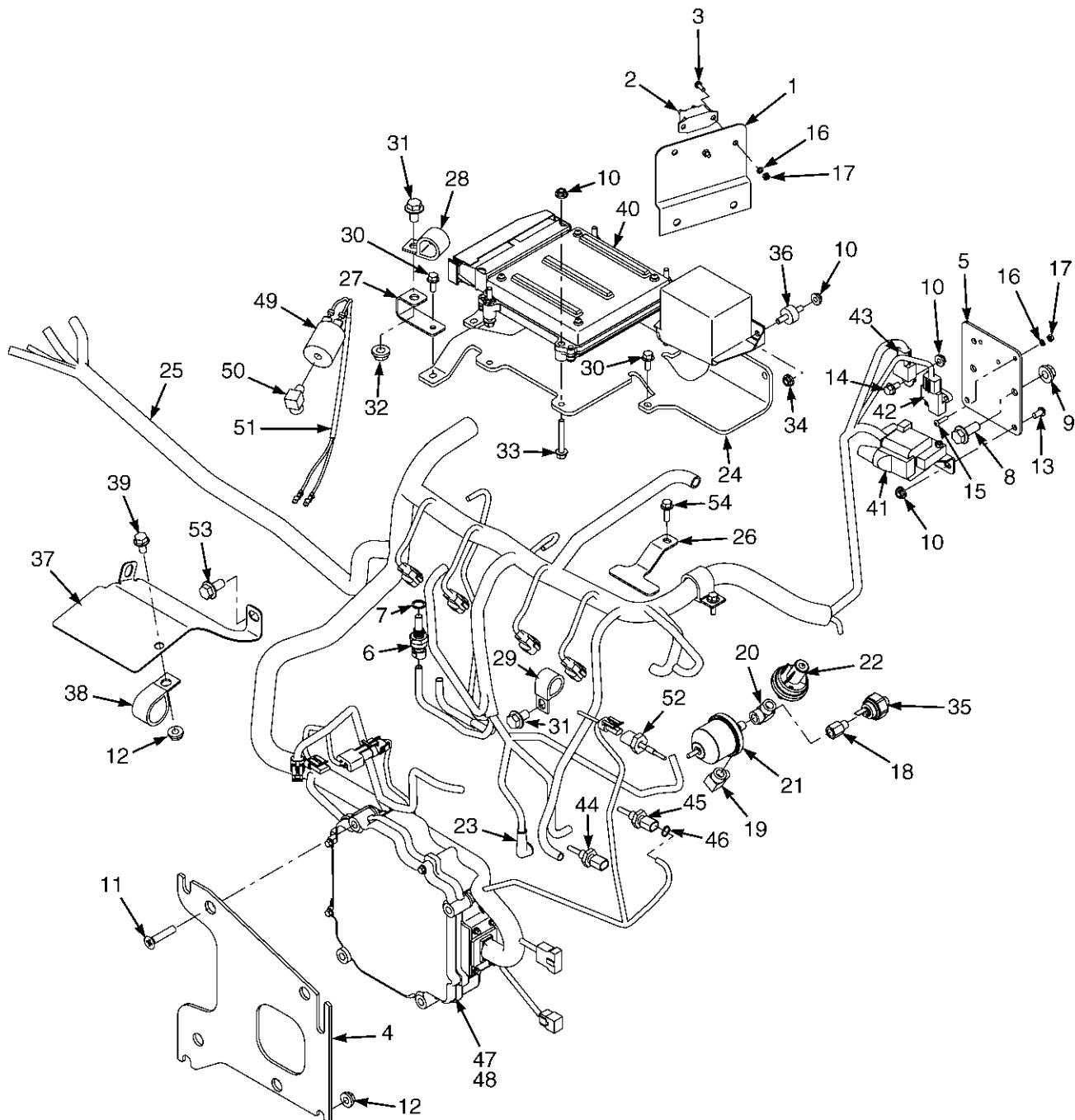
ITEM	PART NO.	DESCRIPTION	QTY
43	292679	Lockwasher.....	2
44	1450928	Alternator (☞ Figure 4-53)	1
44	1394002	Alternator (☞ Figure 4-54)	1
45	320156	Washer	2
46	190380	Boot	2
47	239503	Nut	2
48	129563	Strap Clamp.....	2
49	1482460	Resistor	1
50	1378661	Fuse.....	1
51	1469529	Label (1A)	1
52	153069	Clamp	1
53	1482668	Cavity Plug.....	4
54	1483916	Bracket.....	1
55	287816	Capscrew.....	3
56	136687	Nut	3
57	292680	Lockwasher.....	3
58	1482662	Connector	1
59	1482699	Clip	1
60	1330293	Cover (Fuse).....	1
61	1375794	Relay.....	1
62	d 14349	Fitting (Not Illustrated)	1

FOOTNOTES:

- a** EPA Compliant
- b** Forward and Reverse Lever
- c** Premium Option
- d** Use when Item 31 (1535196) not installed.
- e** With Low Emissions
- f** ⇒ S/N H177B-30073Y
- g** S/N H177B-30074Y ⇒
- h** ⇒ S/N H177B-41039A
- i** S/N H177B-41040A⇔S/N H177B-42138A
- j** S/N H177B-42139A ⇒

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ELECTRICAL (Figure 4-4) 2.0L AND 2.2L GASOLINE EPA COMPLIANT



HP081399

ELECTRICAL 2.0L AND 2.2L GASOLINE EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
1	1545408	Bracket (Circuit Breaker).....	1
2	2044948	Circuit Breaker (50 Amp)	1
3	302021	Screw.....	2
4	1544016	Plate (ECU MTG)	1
5	1547338	Plate (Coil).....	1
6	1515654	Sensor (Coolant Temp.).....	1
7	1539193	Sealing Washer (Copper)	1
8	1510117	Capscrew.....	2
9	1460477	Nut (Flange).....	2
10	1514429	Nut (Flange).....	3
11	296486	Screw.....	4
12	1502543	Nut (Flange).....	8
13	296158	Capscrew.....	2
14	1534417	Capscrew.....	1
15	296150	Capscrew.....	2
16	292678	Lockwasher.....	4
17	292667	Nut	4
18	367224	Adapter	1
19	16151	Fitting.....	2
20	16186	Fitting.....	1
21	1514215	Oil Pressure Sender	1
22	1368983	Switch (Pressure)	1
23	190383	Boot	1
24	1546390	Bracket (GCU MTG)	1
25	2058471	Wire Harness (Engine) (See Figure 4-29)	1
26	1547366	Bracket (Support Harness)	1
27	1547362	Bracket (Clamp Harness)	1
28	153069	Clamp	2
29	173247	Clamp	1
30	1527876	Capscrew.....	5
31	1528778	Capscrew.....	2
32	1460477	Nut (Flange).....	1
33	1540643	Capscrew.....	4
34	1514429	Nut (Flange).....	8
35	1360086	Oil Pressure Switch	1
36	1527562	Isolation Mount	2
37	1547363	Drip Shield (Starter).....	1
38	398184	Clamp	1
39	1527879	Capscrew.....	1
40	2067650	Governor Controller	1
41	1527571	Ignition Coil.....	1
42	1545444	Igniter.....	1
43	1545443	Condenser	1
44	1556342	Sensor (Oxygen)	1
45	1539962	Sensor (Air Temp.).....	1
46	1368886	Washer (Alumium)	1
47	b 1548357	Engine Control Unit	1
48	a 1548356	Engine Control Unit	1
49	1347067	Switch (Restriction).....	1
50	16151	Fitting.....	1

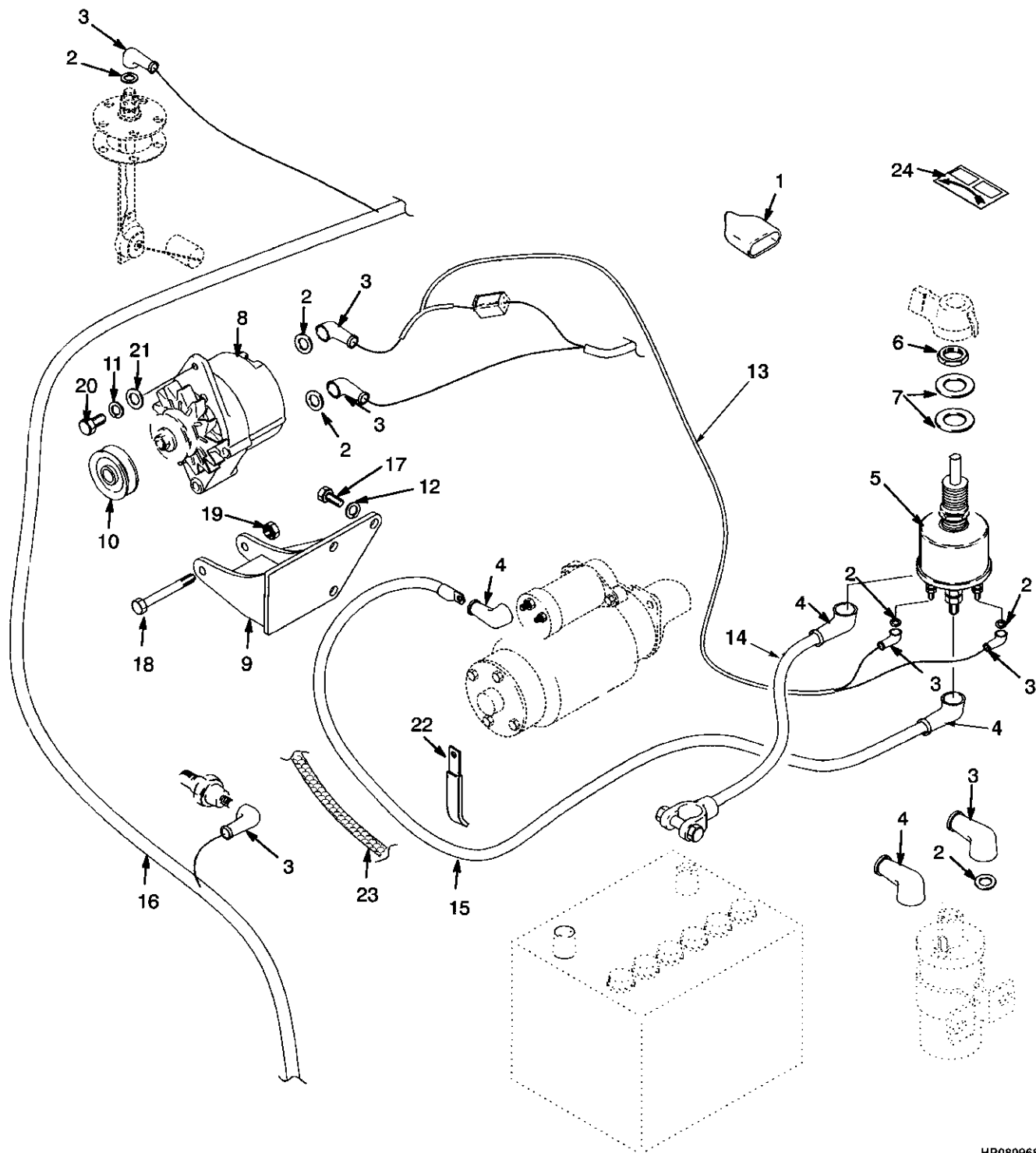
**ELECTRICAL
2.0L AND 2.2L GASOLINE
EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
51	1548874	Harness (Air Restriction Sensor)	1
52	1384594	Low Coolant Sensor	1
53	1527883	Capscrew	1
54	1527877	Screw	2

FOOTNOTES:**a** 2.0L**b** 2.2L

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ELECTRICAL (Figure 4-5) TYPES GS AND LPS 2.0L AND 2.2L

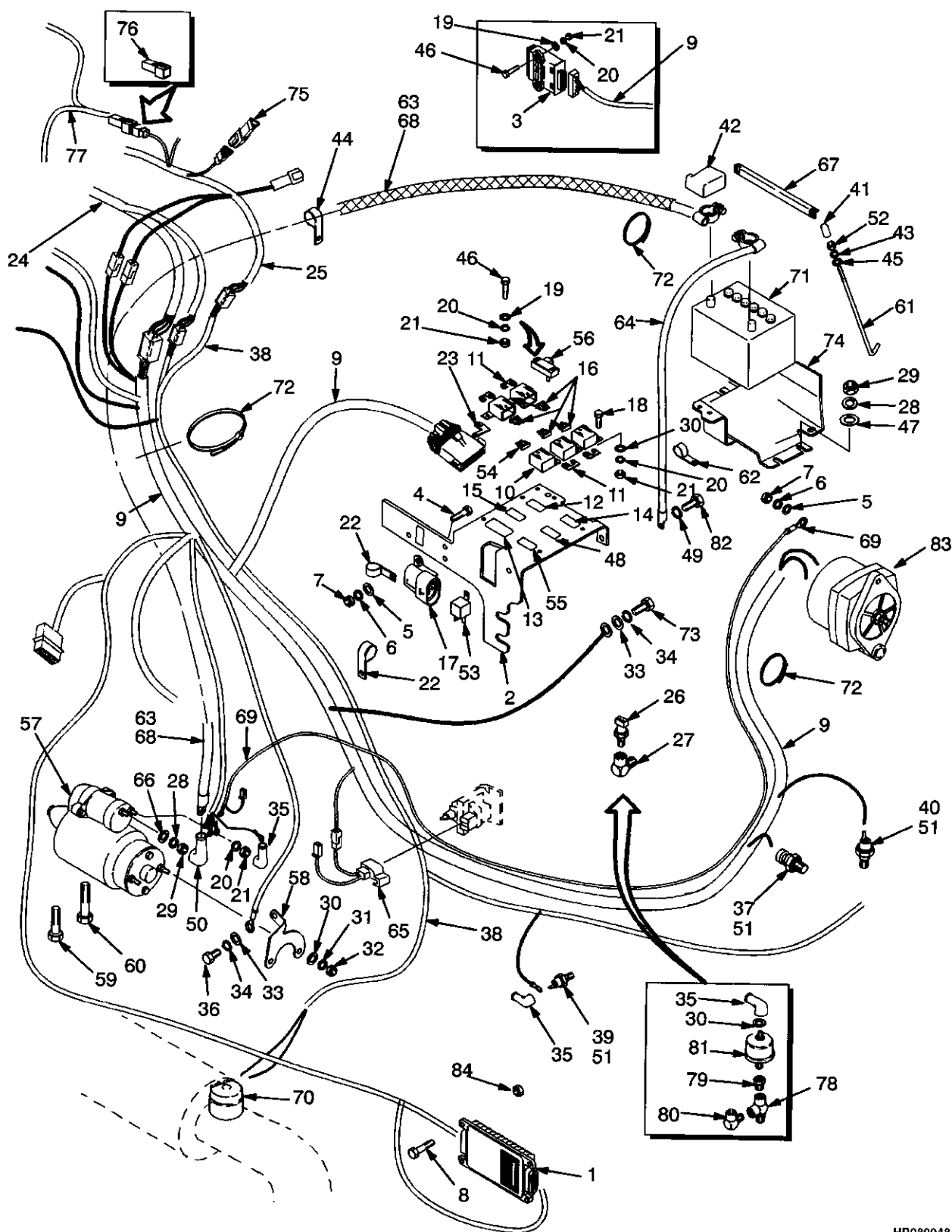


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ELECTRICAL **TYPES GS AND LPS** **2.0L AND 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
1	190380	Boot	1
2	18500	Washer	5
3	190383	Boot	7
4	204223	Boot	4
5	1324517	Switch (Disconnect)	1
6	1352191	Nut	1
7	15136	Washer	2
8	1394002	Alternator (☞ Figure 4-54)	1
9	1543245	Bracket (Type GS and LPS)	1
10	1452145	Pulley	1
11	15155	Lockwasher	1
12	292682	Lockwasher	3
13	2034902	Wire Harness (Alternator)	1
14	1368061	Battery Cable	1
15	86376	Battery Cable	1
16	2036169	Wire Harness (Engine) (☞ Figure 4-27)	1
17	287503	Capscrew	3
18	18518	Capscrew	1
19	145639	Nut	1
20	18497	Capscrew	1
21	18515	Washer	AR
22	1360146	Clamp	2
23	275496	Conduit (1.3 M)	1
24	1352190	Label (Battery Disconnect)	1

ELECTRICAL (Figure 4-6) GASOLINE GM 3.0L (⇒S/N H177B-25275Y)



HP080948

ELECTRICAL
GASOLINE
GM 3.0L
(⇒S/N H177B-25275Y)

ITEM	PART NO.	DESCRIPTION	QTY
1	b 1376712	Control Module	1
1	d 2036703	Control Module	1
1	g 2038974	Control Module	1
1	b 1376713	Control Module (Low Noise)	1
1	d 2036704	Control Module (Low Noise)	1
1	g 2038975	Control Module (Low Noise)	1
2	b 1375787	Bracket.....	1
2	c 1461983	Bracket.....	1
3	1327951	Module (Governor).....	1
4	292500	Capscrew.....	2
5	320156	Washer	4
6	292680	Lockwasher.....	3
7	136687	Nut	4
8	b 287844	Capscrew.....	4
8	c 292502	Capscrew.....	3
9	b 1385860	Wire Harness (Engine) (☞ Figure 4-38)	1
9	c 2036706	Wire Harness (Engine) (☞ Figure 4-38)	1
10	1330293	Cover (Fuse).....	5
11	1339444	Clip	4
12	1339461	Label	1
13	1339459	Label	1
14	1352178	Label	1
15	1354373	Label	1
16	370647	Fuse (10 Amp).....	4
17	b 1330301	Relay (Fuel Pump).....	1
17	c 1461743	Relay (Fuel Pump).....	1
18	302246	Screw.....	6
19	320155	Washer	4
20	292679	Lockwasher.....	11
21	292668	Nut	11
22	101625	Clamp	1
23	1376661	Clip	1
24	1375703	Wire Harness (Cluster) (☞ Figure 4-24)	1
25	1376732	Wire Harness (Cowl) (☞ Figure 4-17)	1
26	1375878	Switch (Oil Pressure).....	1
27	1376767	Fitting (Oil Pressure).....	1
28	292681	Lockwasher.....	4
29	239503	Nut	4
30	197067	Washer	8
31	15152	Lockwasher.....	2
32	15052	Nut	2
33	18515	Washer	2
34	15155	Lockwasher.....	2
35	190383	Boot	1
36	18496	Capscrew.....	1
37	1314381	Coolant Temperature Sensor.....	1
38	e 1376747	Wire Harness (Chassis) (☞ Figure 4-20)	1
38	f 1466043	Wire Harness (Chassis) (☞ Figure 4-21)	1
38	h 1476759	Wire Harness (Chassis) (☞ Figure 4-22)	1

ELECTRICAL GASOLINE GM 3.0L (⇒S/N H177B-25275Y)

ITEM	PART NO.	DESCRIPTION	QTY
39	1356105	Low Coolant Sender	1
40	1319190	Temperature Sender	1
41	1326939	Cap	2
42	257241	Boot	1
43	292680	Lockwasher.....	2
44	325897	Clamp	1
45	18500	Washer	2
46	302250	Screw.....	4
47	320158	Washer	3
48	1352612	Label.....	1
49	15156	Lockwasher.....	1
50	204223	Boot	1
51	246108	Sealant	AR
52	136687	Nut	2
53	1375844	Relay (60 Amp) (60 Amp)	1
54	1320669	Fuse (30 Amp).....	1
55	1367640	Label.....	1
56	1520644	MAP Sensor	1
57	1486530	Starter.....	1
58	1457120	Bracket.....	1
59	1375157	Bolt (Starter)	1
60	1375158	Bolt (Starter)	1
61	309124	Link (Battery Holddown)	2
62	122175	Clamp	1
63	119388	Battery Cable (+)	1
64	1379481	Battery Cable (Negative) (-).....	1
65	1314392	Wire	1
66	320157	Washer	1
67	1354379	Bracket.....	1
68	275496	Conduit	AR
69	1385863	Wire Harness.....	1
70	a 1347067	Switch (Restriction).....	1
71	1383331	Battery (Wet) (Wet).....	1
72	129563	Strap Clamp.....	AR
73	16836	Capscrew.....	1
74	1458009	Battery Tray.....	1
75	1351682	End Cap (Forward/Reverse Lever)	1
76	1351681	End Cap (Forward/Reverse Lever)	1
77	1352066	Wire Harness (Neutral Start) (Monotrol Pedal) (☞ Figure 4-25)	1
78	a 17216	Fitting.....	1
79	a 16187	Fitting.....	1
80	a 17314	Fitting.....	1
81	a 1356108	Oil Pressure Sender	1
82	18535	Capscrew.....	1

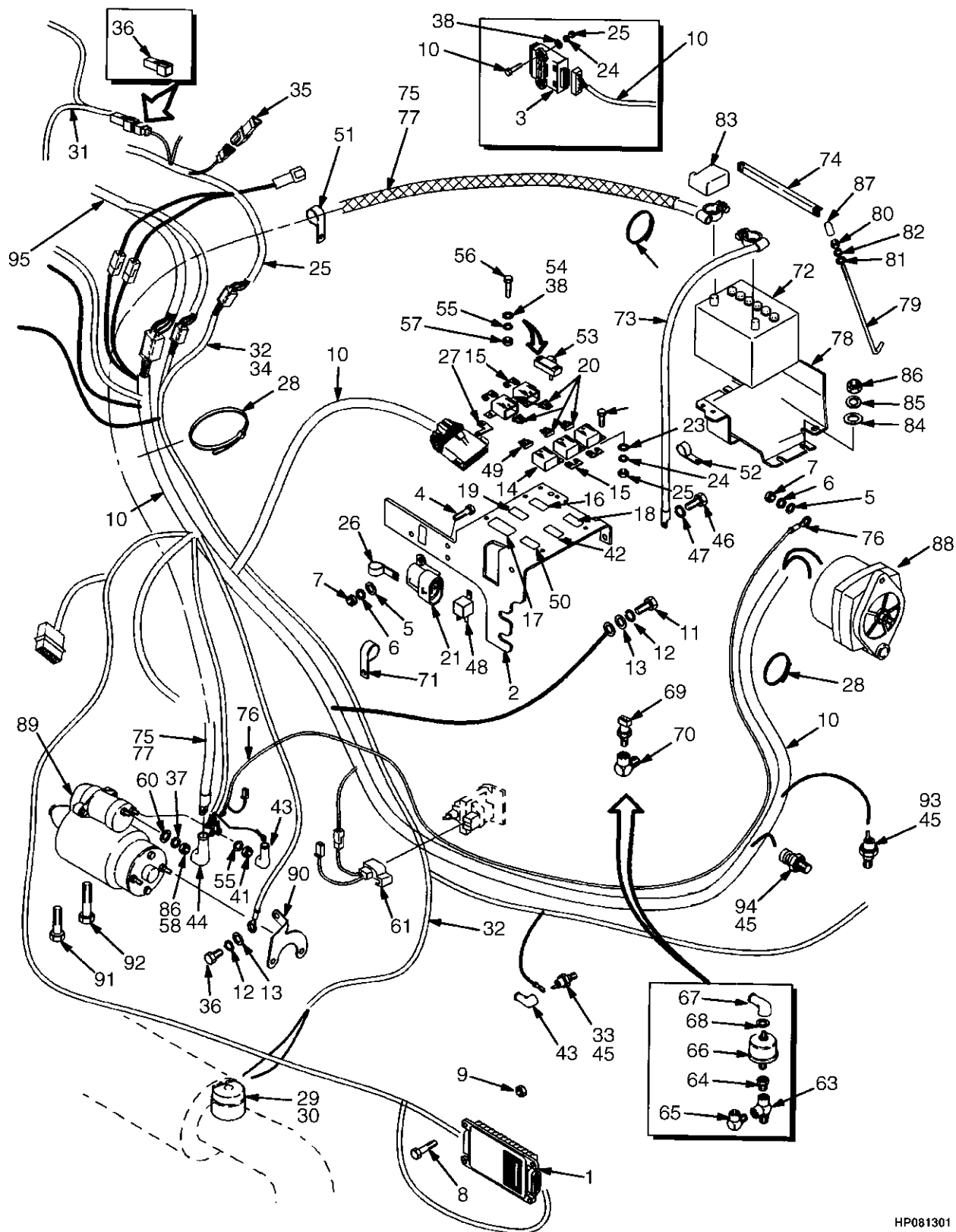
**ELECTRICAL
GASOLINE
GM 3.0L
(⇒S/N H177B-25275Y)**

ITEM	PART NO.	DESCRIPTION	QTY
83	1358911	Alternator (⇒ Figure 4-55)	1
84	c 302399	Nut	3

FOOTNOTES:

- a** Premium Option
- b** ⇒ S/N H177B-11463
- c** S/N H177B-11464 ⇒
- d** S/N H177B-11464⇔S/N H177B-14659
- e** ⇒ S/N H177B-13698W
- f** S/N H177B-13699⇔S/N H177B-23393X
- g** S/N H177B-14659 ⇒
- h** S/N H177B-23394X ⇒

ELECTRICAL (Figure 4-7) GM 3.0L, GASOLINE (S/N H177B-25276⇒)



HP081301

ELECTRICAL **GM 3.0L, GASOLINE** **(S/N H177B-25276⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	f 2049991	Control Module	1
1	e 2044980	Control Module	1
1	e 2044981	Control Module (Low Noise)	1
1	f 2050006	Control Module (Low Noise)	1
2	1461983	Bracket.....	1
3	1327951	Module (Governor).....	1
4	292500	Capscrew.....	2
5	320156	Washer	4
6	292680	Lockwasher.....	3
7	136687	Nut	4
8	292502	Capscrew.....	4
9	302399	Nut	3
10	e 2037993	Wire Harness (Engine) (☞ Figure 4-33)	1
10	f 2060449	Wire Harness (Engine) (☞ Figure 4-34)	1
11	16836	Capscrew.....	1
12	15155	Lockwasher.....	1
13	18515	Washer	1
14	1330293	Cover (Fuse).....	5
15	1339444	Clip	1
16	1339461	Label.....	1
17	1339459	Label.....	1
18	1352178	Label.....	1
19	1354373	Label.....	1
20	370647	Fuse (10 Amp).....	4
21	1461743	Relay (Fuel Pump).....	1
22	302246	Screw.....	6
23	197067	Washer	6
24	292679	Lockwasher.....	6
25	292668	Nut	6
26	101625	Clamp	1
27	1376661	Clip	1
28	137852	Strap Clamp.....	1
29	1347067	Switch (Restriction).....	1
30	16150	Fitting.....	1
31	1352066	Wire Harness (Neutral Start) (☞ Figure 4-25)	1
32	1476759	Wire Harness (Chassis) (☞ Figure 4-22)	1
33	g 1356105	Low Coolant Sender	1
33	h 1535196	Low Coolant Sender	1
33	h 190383	Boot (Not Illustrated).....	1
34	275498	Conduit	1
35	1351682	End Cap.....	1
36	1351681	End Cap.....	1
37	292681	Lockwasher.....	1
38	320155	Washer	2
39	292679	Lockwasher.....	3
40	302250	Screw.....	2
41	292668	Nut	3
42	1352612	Label.....	1
43	190383	Boot	1
44	204223	Boot	1

ELECTRICAL

GM 3.0L, GASOLINE

(S/N H177B-25276⇒)

ITEM	PART NO.	DESCRIPTION	QTY
45	246108	Sealant	AR
46	18535	Capscrew.....	1
47	15156	Lockwasher.....	1
48	1375844	Relay (60 Amp).....	1
49	1320669	Fuse (30 Amp).....	1
50	1367640	Label.....	1
51	325897	Clamp	1
52	122175	Clamp	1
53	1520644	MAP Sensor	1
54	320155	Washer	2
55	292679	Lockwasher.....	2
56	302250	Screw.....	2
57	292668	Nut	2
58	239503	Nut	1
59	129563	Strap Clamp.....	AR
60	320157	Washer	1
61	1314392	Wire	1
62	114312	Strap Clamp.....	1
63	a 17216	Fitting.....	1
64	a 16187	Fitting.....	1
65	a 17314	Fitting.....	1
66	a 1514215	Oil Pressure Sender	1
67	a 190383	Boot	1
68	a 197067	Washer	1
69	a 1347067	Switch (Restriction).....	1
70	a 16150	Fitting.....	1
71	101625	Clamp	1
72	1383331	Battery (Wet)	1
73	1379481	Battery Cable (Negative)	1
74	1354379	Bracket.....	1
75	275496	Conduit	AR
76	1385863	Wire Harness.....	1
77	119388	Battery Cable.....	1
78	1483207	Battery Tray.....	1
79	309124	Link (Battery Holddown)	2
80	136687	Nut	2
81	18500	Washer	2
82	292680	Lockwasher.....	2
83	257241	Boot	1
84	320158	Washer	3
85	292681	Lockwasher.....	3
86	239503	Nut	3
87	1326939	Cap	2
88	c 1358911	Alternator (See Figure 4-55)	1
88	d 1469597	Alternator (With Serpentine Belt).....	1
88	1469599	Alternator (With V-Belt).....	1
89	c 1486530	Starter.....	1
89	d 1469603	Starter.....	1
90	c 1457120	Bracket.....	1
90	d 1469602	Bracket.....	1

ELECTRICAL
GM 3.0L, GASOLINE
(S/N H177B-25276⇒)

ITEM	PART NO.	DESCRIPTION	QTY
91	1375157	Bolt (Starter)	1
92	1375158	Bolt (Starter)	1
93	1319190	Temperature Sender	1
94	1314381	Coolant Temperature Sensor.....	1
95	1375703	Wire Harness (Cluster)	1
96	b 14349	Fitting (Not Illustrated)	1

FOOTNOTES:

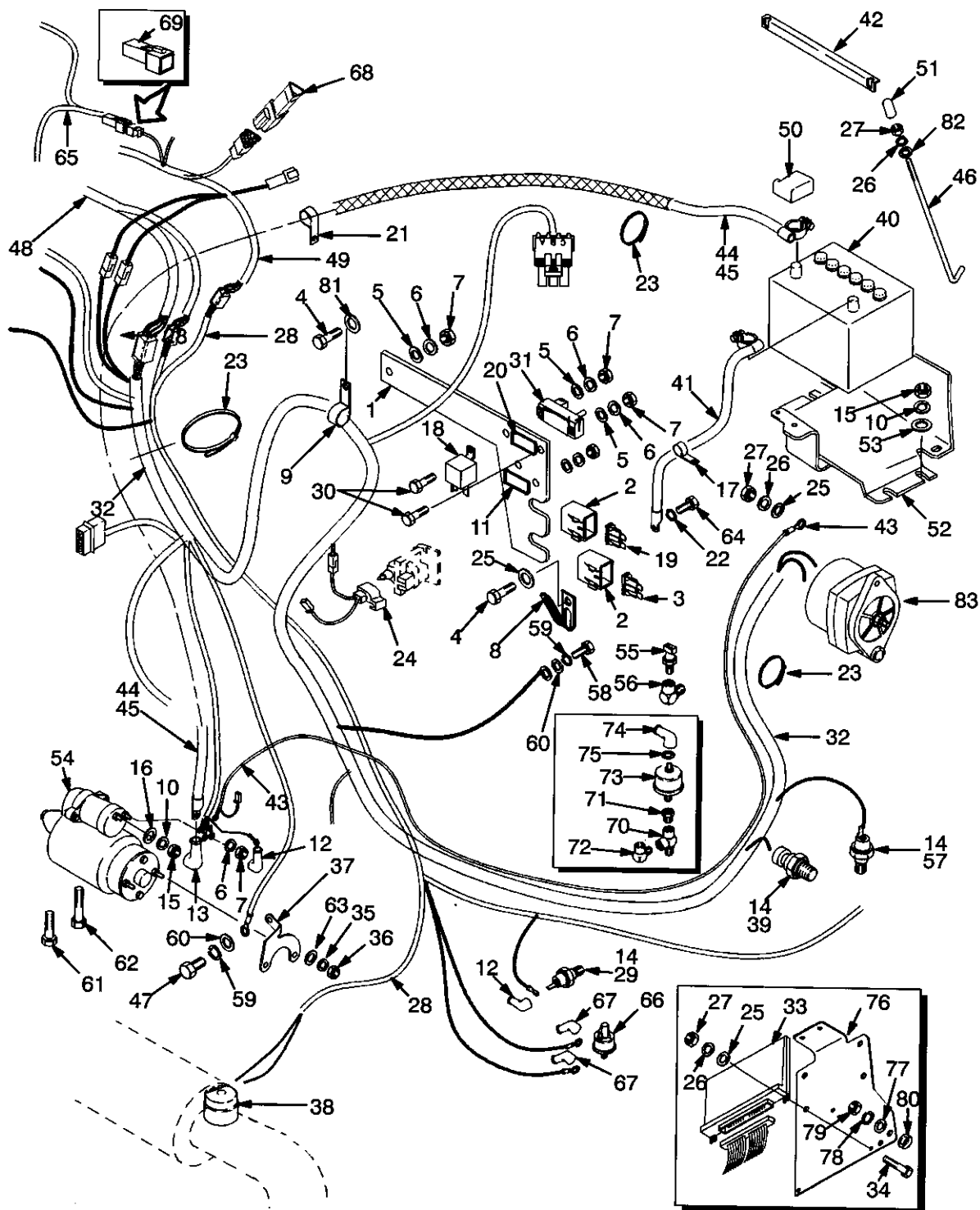
- a** Premium Option
b Use when Item 33 (Coolant Sender) not installed.
c ⇒ S/N H177B-32018Z
d S/N H177B-32019Z ⇒
e ⇒ S/N H177B-35382Z
f S/N H177B-35383Z ⇒
g ⇒ S/N H177B-40524A
h S/N H177B-42139A ⇒

ELECTRICAL (Figure 4-8)

GM

LPG 3.0L

(⇒D/B 01/1998)



HP080949

ELECTRICAL

GM

LPG 3.0L

(⇒D/B 01/1998)

ITEM	PART NO.	DESCRIPTION	QTY
1	1375847	Bracket.....	1
2	1330293	Cover (Fuse).....	2
3	370647	Fuse (10 Amp).....	1
4	302246	Screw.....	3
5	320155	Washer	2
6	292679	Lockwasher.....	6
7	292668	Nut	6
8	1360146	Clamp	2
9	c 136516	Clamp	1
9	b 89220	Clamp	1
10	292681	Lockwasher.....	4
11	1352612	Label.....	1
12	190383	Boot	2
13	204223	Boot	1
14	246108	Sealant	AR
15	239503	Nut	4
16	320157	Washer	1
17	122175	Clamp	1
18	1375844	Relay (60 Amp) (60 Amp)	1
19	1320669	Fuse (30 Amp).....	1
20	1367640	Label.....	1
21	325897	Clamp	1
22	15156	Lockwasher.....	1
23	129563	Strap Clamp.....	AR
24	1314392	Wire	1
25	320156	Washer	1
26	292680	Lockwasher.....	6
27	136687	Nut	6
28	1376747	Wire Harness (Chassis) (☞ Figure 4-20)	1
29	1356105	Low Coolant Sender	1
30	c 302245	Screw.....	2
30	b 302250	Screw.....	2
31	b 1520644	MAP Sensor	1
32	b 1383421	Wire Harness (☞ Figure 4-38)	1
32	c 1383401	Wire Harness (☞ Figure 4-36)	1
33	2035531	Controller	1
33	1459037	Label.....	1
33	1459032	Controller (MSTS)	1
34	292501	Capscrew.....	3
35	15152	Lockwasher.....	2
36	15052	Nut	2
37	1457120	Bracket.....	1
38	a 1347067	Switch (Restriction).....	1
39	b 1314381	Coolant Temperature Sensor.....	1
39	c 14386	Fitting.....	1
40	1383331	Battery (Wet) (Wet).....	1
41	1379481	Battery Cable (Negative) (-).....	1
42	1354379	Bracket.....	1
43	1385863	Wire Harness.....	1

ELECTRICAL

GM

LPG 3.0L

(⇒D/B 01/1998)

ITEM	PART NO.	DESCRIPTION	QTY
44	119388	Battery Cable (+)	1
45	275496	Conduit	AR
46	309124	Link (Battery Holddown)	2
47	18496	Capscrew.....	1
48	1375703	Wire Harness (☞ Figure 4-24)	1
49	1376732	Wire Harness (Cowl) (☞ Figure 4-17)	1
50	257241	Boot	1
51	1326939	Cap	2
52	1458009	Battery Tray.....	1
53	320158	Washer	3
54	1486530	Starter.....	1
55	1375878	Switch (Oil Pressure)	1
56	1376767	Fitting (Oil Pressure).....	1
57	1319190	Temperature Sender	1
58	16836	Capscrew.....	1
59	15155	Lockwasher.....	2
60	18515	Washer	2
61	1375157	Bolt (Starter)	1
62	1375158	Bolt (Starter)	1
63	197067	Washer	2
64	18535	Capscrew.....	1
65	1352066	Wire Harness (Neutral Start) (Monotrol Pedal) (☞ Figure 4-25)	1
66	1351133	Low Pressure Switch	1
67	190383	Boot	1
68	1351682	End Cap (Forward/Reverse Lever)	1
69	1351681	End Cap (Forward/Reverse Lever)	1
70	a 17216	Fitting.....	1
71	a 16187	Fitting.....	1
72	a 17314	Fitting.....	1
73	a 1356108	Oil Pressure Sender	1
74	190383	Boot	1
75	197067	Washer	1
76	1376655	Bracket.....	1
77	320158	Washer	3
78	292681	Lockwasher.....	3
79	239503	Nut	3
80	1375848	Spacer	3
81	197067	Washer	3
82	18500	Washer	2
83	1358911	Alternator (☞ Figure 4-55)	1

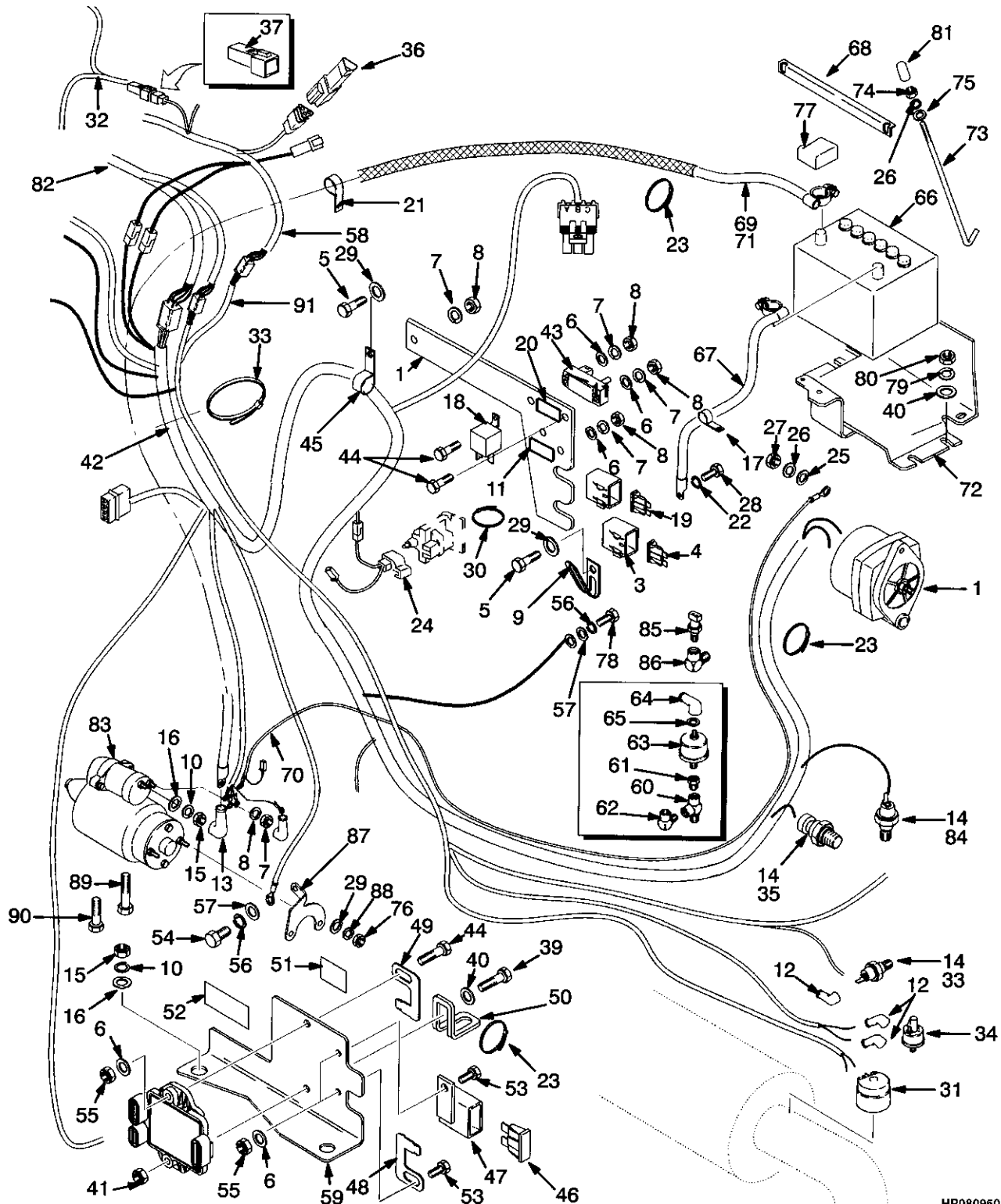
FOOTNOTES:

- a Premium Option
- b With MSTs
- c Without MSTs

[illegible]

ELECTRICAL (Figure 4-9)

GM LPG 3.0L (D/B 1/1998⇔S/N H177B-30073Y)



HP080950

ELECTRICAL

GM

LPG 3.0L

(D/B 1/1998⇔S/N H177B-30073Y)

KEY:**A: With MSTs****B: Without MSTs**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1358911	Alternator (☞ Figure 4-55)	1	1
2	1375847	Bracket.....	1	1
3	1330293	Cover (Fuse).....	2	2
4	370647	Fuse (10 Amp).....	1	1
5	302246	Screw.....	3	3
6	320155	Washer	5	2
7	292679	Lockwasher.....	6	6
8	292668	Nut	6	6
9	1360146	Clamp	2	2
10	292681	Lockwasher.....	3	1
11	1352612	Label.....	1	1
12	190383	Boot	3	3
13	204223	Boot	1	1
14	246108	Sealant	AR	AR
15	239503	Nut	1	1
16	320157	Washer	3	1
17	122175	Clamp	1	1
18	1375844	Relay (60 Amp) (60 Amp)	1	1
19	1320669	Fuse (30 Amp).....	1	1
20	1367640	Label.....	1	1
21	325897	Clamp	1	1
22	15156	Lockwasher.....	1	1
23	129563	Strap Clamp.....	AR	AR
24	1314392	Wire	1	1
25	320156	Washer	1	1
26	292680	Lockwasher.....	3	3
27	136687	Nut	1	1
28	18535	Capscrew.....	2	2
29	197067	Washer	5	5
30	114312	Strap Clamp.....	AR	AR
31	1347067	Switch (Restriction).....	1	1
32	1352066	Wire Harness (Neutral Start) (Monotrol) (☞ Figure 4-25)	1	1
33	1356105	Low Coolant Sender	1	1
34	1351133	Low Pressure Switch	1	1
35	14386	Fitting.....	..	1
36	1351682	End Cap (Forward/Reverse Lever)	1	1
37	1351681	End Cap (Forward/Reverse Lever)	1	1
38	1459032	Controller (MSTs).....	1	..
38	1459037	Label.....	1	..
38	2035531	Controller	1	..
39	292503	Capscrew.....	1	..
40	320158	Washer	4	3
41	302399	Nut	1	..
42	1383401	Wire Harness (Engine) (☞ Figure 4-36)	..	1

ELECTRICAL
GM
LPG 3.0L
(D/B 1/1998↔S/N H177B-30073Y)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
42	2035711	Wire Harness (Engine) (☞ Figure 4-39)	1	..
43	1520644	MAP Sensor	1	..
44	302245	Screw.....	..	2
44	302250	Screw.....	3	..
45	136516	Clamp	..	1
45	89220	Clamp	1	..
46	370647	Fuse (10 Amp).....	1	..
47	1330293	Cover (Fuse).....	1	..
48	1339444	Clip	1	..
49	1376661	Clip	1	..
50	1385873	Strap	1	..
51	1339461	Label.....	1	..
52	1339459	Label.....	1	..
53	302246	Screw.....	2	..
54	18496	Capscrew.....	1	1
55	302398	Locknut	3	..
56	15155	Lockwasher.....	2	2
57	18515	Washer	2	2
58	2044705	Wire Harness (Forward and Reverse)	1	1
59	1459383	Bracket.....	1	..
60	a 17216	Fitting.....	1	1
61	a 16187	Fitting.....	1	1
62	a 17314	Fitting.....	1	1
63	a 1356108	Oil Pressure Sender	1	1
64	a 190383	Boot	1	1
65	a 197067	Washer	1	1
66	1383331	Battery (Wet) (Wet).....	1	1
67	1379481	Battery Cable (Negative) (-).....	1	1
68	1354379	Bracket.....	1	1
69	275496	Conduit	AR	AR
70	1385863	Wire Harness.....	1	1
71	119388	Battery Cable (+)	1	1
72	1458009	Battery Tray.....	1	1
73	309124	Link (Battery Holddown)	2	2
74	136687	Nut	2	2
75	18500	Washer	2	2
76	15052	Nut	2	2
77	257241	Boot	1	1
78	16836	Capscrew.....	1	1
79	292681	Lockwasher.....	3	3
80	239503	Nut	3	3
81	1326939	Cap	2	2
82	1375703	Wire Harness (☞ Figure 4-24)	1	1
83	1486530	Starter.....	1	1
84	1319190	Temperature Sender	1	1
85	1375878	Switch (Oil Pressure).....	1	1
86	1376767	Fitting (Oil Pressure).....	1	1
87	1457120	Bracket.....	1	1

ELECTRICAL
GM
LPG 3.0L
(D/B 1/1998↔S/N H177B-30073Y)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
88	15152	Lockwasher.....	2	2
89	1375158	Bolt (Starter)	1	1
90	1375157	Bolt (Starter)	1	1
91	1376747	Wire Harness (Chassis) (ⓘ Figure 4-20)	1	1
91	1466043	Wire Harness (Chassis) (ⓘ Figure 4-21)	1	1

FOOTNOTES:

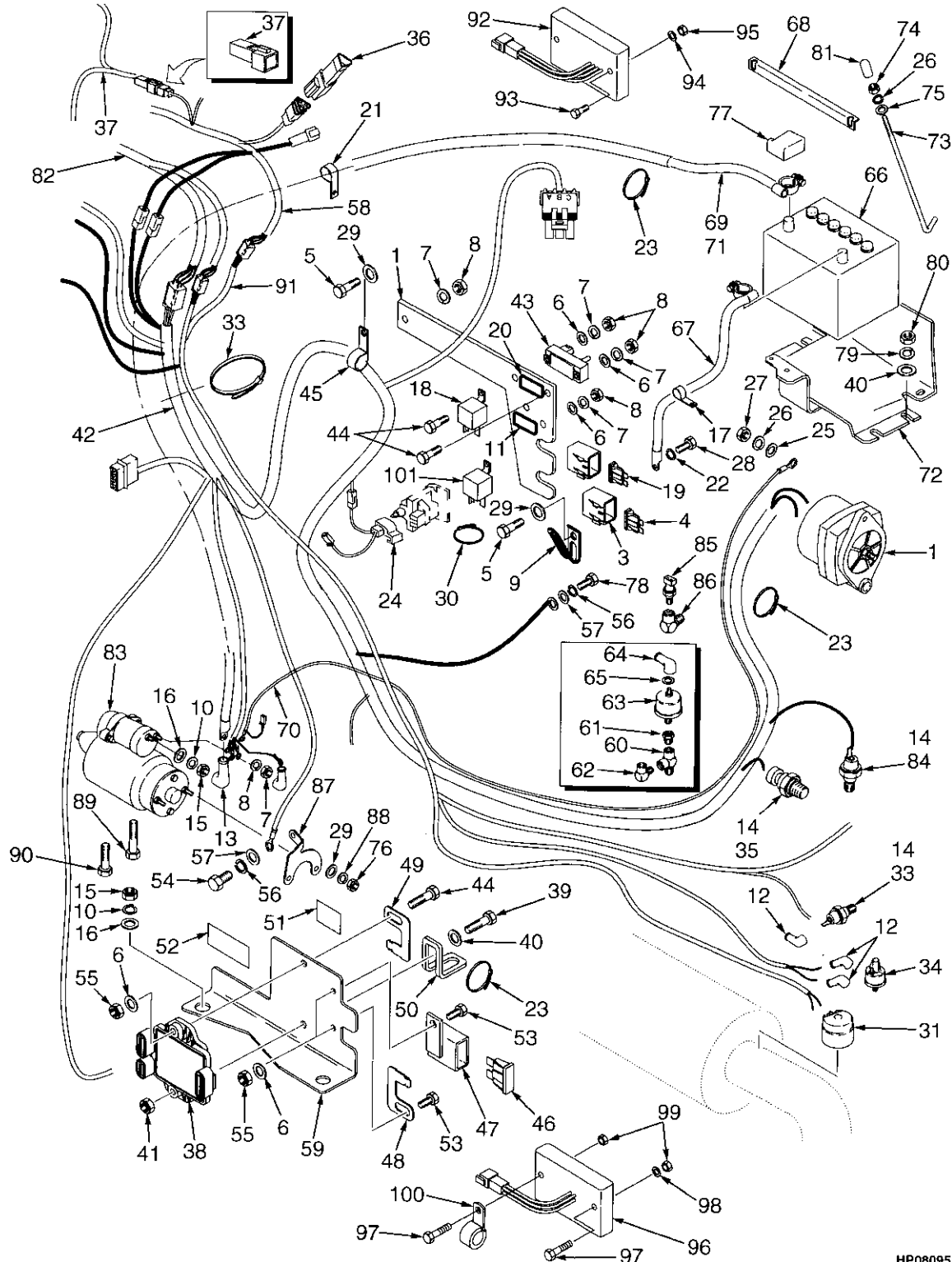
a Premium Option

ELECTRICAL (Figure 4-10)

GM

LPG 3.0L

(S/N H177B-30074Y⇒)



HP080951

ELECTRICAL

GM

LPG 3.0L

(S/N H177B-30074Y⇒)

KEY:**A: With MSTs****B: Without MSTs**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	b 1358911	Alternator (☞ Figure 4-55)	1	1
1	c 1469597	Alternator (With Serpentine Belt)	1	1
1	1469599	Alternator (With V-Belt)	1	1
2	1375847	Bracket	1	1
3	1330293	Cover (Fuse)	2	2
4	370647	Fuse (10 Amp)	1	1
5	302246	Screw	3	3
6	320155	Washer	5	2
7	292679	Lockwasher	6	6
8	292668	Nut	6	6
9	1360146	Clamp	2	2
10	292681	Lockwasher	3	1
11	1352612	Label	1	1
12	190383	Boot	3	3
13	204223	Boot	1	1
14	246108	Sealant	AR	AR
15	239503	Nut	1	1
16	320157	Washer	3	1
17	122175	Clamp	1	1
18	1375844	Relay (60 Amp) (60 Amp)	1	1
19	1320669	Fuse (30 Amp)	1	1
20	1367640	Label	1	1
21	325897	Clamp	1	1
22	15156	Lockwasher	1	1
23	129563	Strap Clamp	AR	AR
24	1314392	Wire	1	1
25	320156	Washer	1	1
26	292680	Lockwasher	3	3
27	136687	Nut	1	1
28	18535	Capscrew	2	2
29	197067	Washer	5	5
30	114312	Strap Clamp	AR	AR
31	1347067	Switch (Restriction)	1	1
32	1352066	Wire Harness (Neutral Start) (Monotrol) (☞ Figure 4-25)	1	1
33	f 1356105	Low Coolant Sender	1	1
34	1351133	Low Pressure Switch	1	1
35	14386	Fitting	..	1
36	1351682	End Cap (Forward/Reverse Lever)	1	1
37	1351681	End Cap (Forward/Reverse Lever)	1	1
38	2035531	Controller	1	..
38	1459037	Label	1	..
38	1459032	Controller (MSTs)	1	..
39	292503	Capscrew	1	..
40	320158	Washer	4	3

ELECTRICAL

GM

LPG 3.0L

(S/N H177B-30074Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
41	302399	Nut	1	..
42	2035711	Wire Harness (Engine) (☞ Figure 4-36)	1	..
42	1483465	Wire Harness (Engine) (☞ Figure 4-39)	..	1
43	1520644	MAP Sensor	1	..
44	302245	Screw	..	2
44	302250	Screw	3	..
45	136516	Clamp	..	1
45	89220	Clamp	1	..
46	370647	Fuse (10 Amp)	1	..
47	1330293	Cover (Fuse)	1	..
48	1339444	Clip	1	..
49	1376661	Clip	1	..
50	1385873	Strap	1	..
51	1339461	Label	1	..
52	1339459	Label	1	..
53	302246	Screw	2	..
54	18496	Capscrew	1	1
55	302398	Locknut	3	..
56	15155	Lockwasher	2	2
57	18515	Washer	2	2
58	2035711	Wire Harness (Cowl) (☞ Figure 4-39)	1	1
59	1459383	Bracket	1	..
60	a 17216	Fitting	1	1
61	a 16187	Fitting	1	1
62	a 17314	Fitting	1	1
63	ad 1356108	Oil Pressure Sender	1	1
63	ae 1514215	Oil Pressure Sender	1	1
64	a 190383	Boot	1	1
65	a 197067	Washer	1	1
66	1383331	Battery (Wet) (Wet)	1	1
67	1379481	Battery Cable (Negative) (-)	1	1
68	1354379	Bracket	1	1
69	275496	Conduit	AR	AR
70	1385863	Wire Harness	1	1
71	119388	Battery Cable (+)	1	1
72	1483207	Battery Tray	1	1
73	309124	Link (Battery Holddown)	2	2
74	136687	Nut	2	2
75	18500	Washer	2	2
76	15052	Nut	2	2
77	257241	Boot	1	1
78	16836	Capscrew	1	1
79	292681	Lockwasher	3	3
80	239503	Nut	3	3
81	1326939	Cap	2	2
82	1375703	Wire Harness (Cluster) (☞ Figure 4-24)	1	1
83	b 1486530	Starter	1	1
83	1490407	Solenoid	1	1

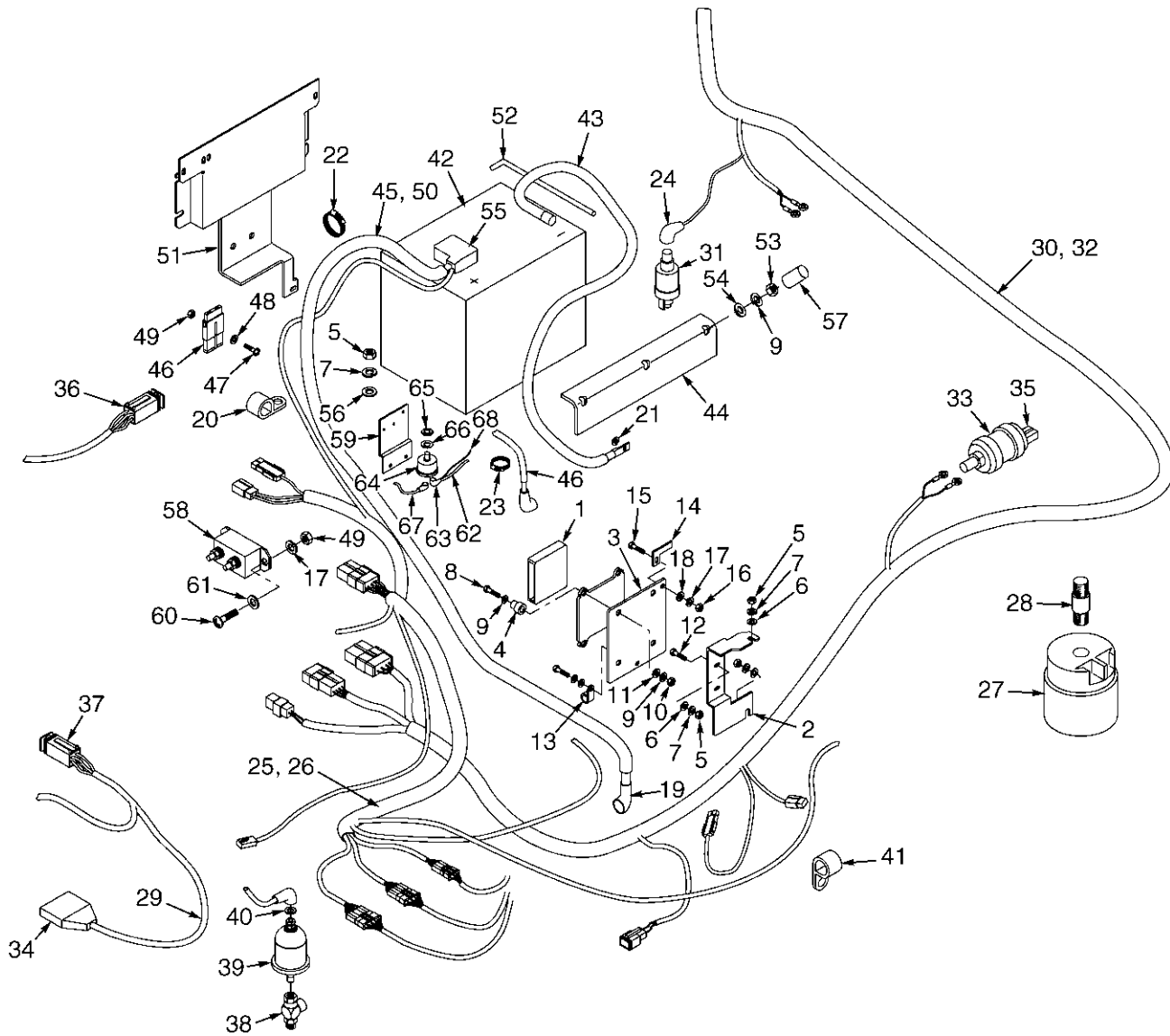
ELECTRICAL
GM
LPG 3.0L
(S/N H177B-30074Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
83	1490408	Bolt	2	2
83	c 1469603	Starter.....	1	1
83	1490407	Solenoid	1	1
83	1507400	Bolt	2	2
84	1319190	Temperature Sender	1	1
85	1375878	Switch (Oil Pressure)	1	1
86	1376767	Fitting (Oil Pressure)	1	1
87	b 1457120	Bracket.....	1	1
87	c 1469602	Bracket.....	1	1
88	15152	Lockwasher.....	2	2
89	1375158	Bolt (Starter)	1	1
90	1375157	Bolt (Starter)	1	1
91	1376747	Wire Harness (Chassis) (☞ Figure 4-20)	1	1
91	1466043	Wire Harness (Chassis) (☞ Figure 4-21)	1	1
92	1489065	P.C. Logic Board Assembly.....	..	1
93	292502	Capscrew.....	..	2
94	316834	Nut	..	2
95	320156	Washer	..	2
96	2039306	Switch Assembly (Revolution)	1	1
97	302224	Screw.....	2	2
98	320154	Washer	1	1
99	815597	Nut	2	2
100	1470687	Clamp	1	1
101	1375777	Circuit Breaker (50A)	1	1

FOOTNOTES:

- a** Premium Option
b ⇒ S/N H177B-32018Z
c S/N H177B-32019Z ⇒
d ⇒ S/N H177B-35382Z
e S/N H177B-35383Z ⇒
f ⇒ S/N H177B-40524A

ELECTRICAL (Figure 4-11) GASOLINE AND LPG GM 3.0L EPA COMPLIANT



HP081391

ELECTRICAL **GASOLINE AND LPG** **GM 3.0L EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	2067796	Engine Control Module (LPG)	1
1	2067799	Engine Control Module (Gasoline)	1
2	1544577	Bracket (ECM Mounting)	1
3	1545116	Plate (ECM Mounting)	1
4	1544934	Isolator	4
5	239503	Nut	9
6	320157	Washer	5
7	292681	Lockwasher	9
8	287816	Capscrew	6
9	292680	Lockwasher	12
10	136687	Nut	4
11	320156	Washer	6
12	136749	Capscrew	2
13	147006	Clamp	2
14	1339444	Clip	1
15	2062262	Capscrew	1
16	1463912	Nut	1
17	292678	Lockwasher	3
18	320154	Washer	1
19	204223	Boot	1
20	325897	Clamp	1
21	15908	Lockwasher	1
22	129563	Strap Clamp	AR
23	114312	Strap Clamp	1
24	190383	Boot	1
25	2063067	Harness (Interface) (Gas) (☞ Figure 4-43)	1
26	2063066	Harness (Interface) (LPG) (☞ Figure 4-44)	1
27	1347067	Switch (Restriction)	1
28	16150	Fitting	1
29	1352066	Wire Harness (Neutral Start) (Monotrol) (☞ Figure 4-25)	1
30	1549375	Harness (Chassis)	1
31	1535196	Low Coolant Sender	1
32	275498	Conduit (15 in.)	1
33	1351133	Low Pressure Switch	1
34	190380	Boot	2
35	12856	Fitting	1
36	1351682	End Cap	1
37	1351681	End Cap	1
38	16186	Fitting	1
39	1514215	Oil Pressure Sender	1
40	197067	Washer	1
41	101625	Clamp	1
42	1383331	Battery (Wet)	1
43	1379481	Battery Cable (Negative) (Negative)	1
44	1354379	Bracket	1
45	275496	Conduit (55 in.)	1
46	1549399	Harness (Alternator To Circuit Breaker)	1
47	302026	Screw	1
48	197066	Washer	1
49	292667	Nut	1

ELECTRICAL GASOLINE AND LPG GM 3.0L EPA COMPLIANT

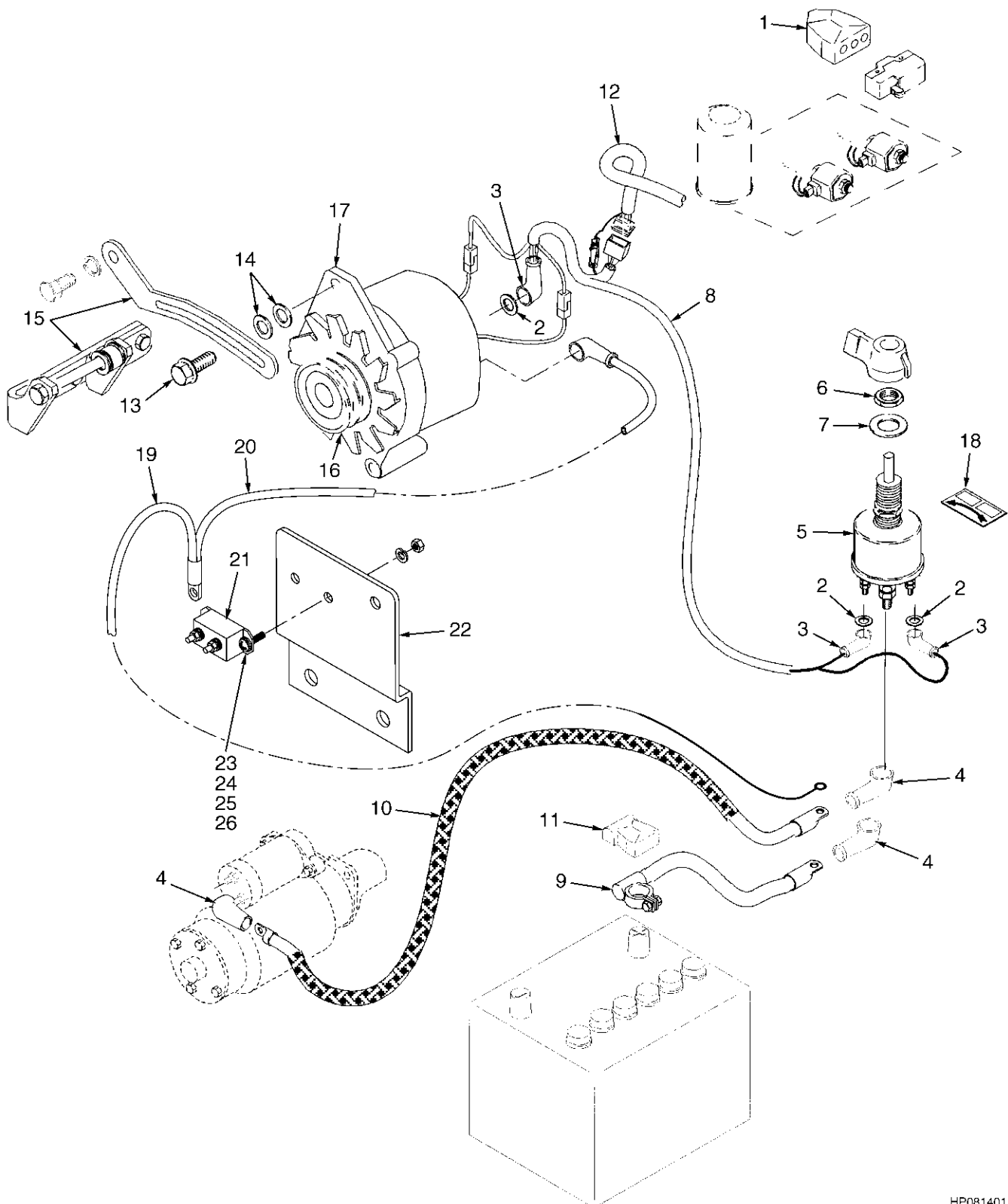
ITEM	PART NO.	DESCRIPTION	QTY
50	1384828	Battery Cable (Positive).....	1
51	1542464	Battery Tray	1
52	309124	Link (Battery Holddown)	2
53	136687	Nut.....	2
54	18500	Washer	2
55	257241	Boot (Battery Terminal)	1
56	320158	Washer	3
57	1326939	Cap.....	2
58	2044948	Circuit Breaker (50 Amp).....	1
59	1545408	Bracket (Circuit Breaker)	1
60	302021	Screw	2
61	320154	Washer	2
62	a 1376654	Battery Cable (Negative)	1
63	a 204223	Boot.....	2
64	a 1324517	Switch (Disconnect).....	1
65	a 1352191	Nut.....	1
66	a 15136	Washer	1
67	a 1368061	Battery Cable (Positive).....	1
68	a 1549400	Harness (Disconnect Switch).....	1

FOOTNOTES:

a GS and LPS With EPA Compliant Engine

[illegible]

ELECTRICAL (Figure 4-12) TYPES GS AND LPS 3.0L



HP081401

**ELECTRICAL
TYPES GS AND LPS
3.0L**

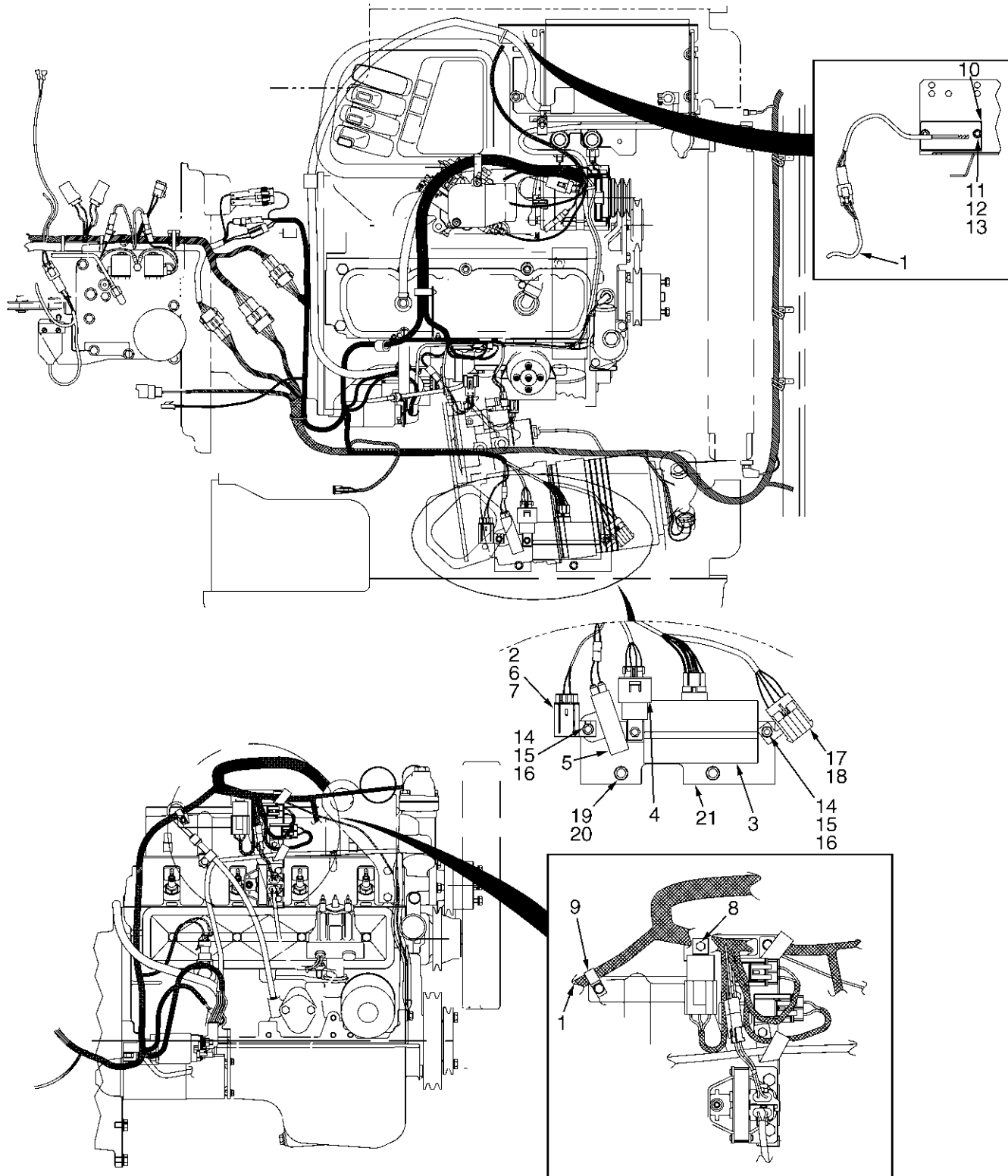
ITEM	PART NO.	DESCRIPTION	QTY
1	190380	Boot	1
2	18500	Washer	3
3	190383	Boot	3
4	204223	Boot	3
5	1324517	Switch (Disconnect)	1
6	1352191	Nut	1
7	15136	Washer	1
8	2050544	Wire Harness (Alternator)	1
9	1368061	Battery Cable (Positive)	1
10	1376654	Battery Cable (Negative) (Negative)	1
11	257241	Boot	1
12	2063067	Harness (Interface) (Engine-Gas) (☞ Figure 4-43)	1
12	2063066	Harness (Interface) (Engine-LPG) (☞ Figure 4-44)	1
12	1483465	Wire Harness (☞ Figure 4-37)	1
13	170554	Capscrew	1
14	18515	Washer	2
15		Mount	1
16	1392210	Pulley	1
17	1394003	Alternator (☞ Figure 4-54)	1
18	1352190	Label (Battery Disconnect)	1
19	1549400	Harness (Disconnect Switch)	1
20	1549399	Harness (Alternator To Circuit Breaker)	1
21	2044948	Circuit Breaker (50 Amp)	1
22	1545408	Bracket (Circuit Breaker)	1
23	302021	Screw	2
24	292667	Nut	2
25	320154	Washer	2
26	292678	Lockwasher	2

ELECTRICAL SYSTEM (Figure 4-13)

GM 3.0L LPG

CLOSED LOOP

(⇒S/N H177B-26763Y)



HP080353

ELECTRICAL SYSTEM
GM 3.0L LPG
CLOSED LOOP
(⇒S/N H177B-26763Y)

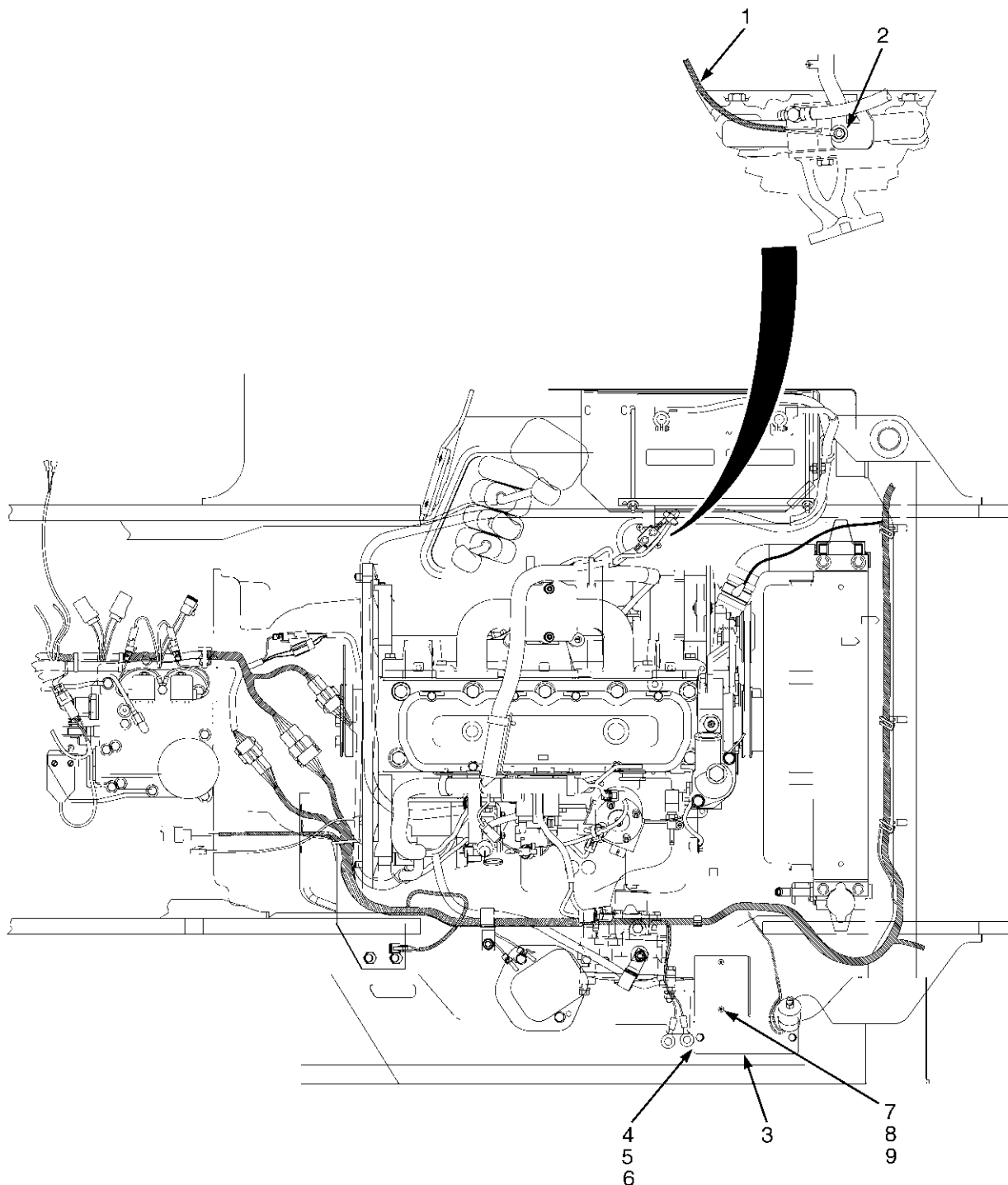
ITEM	PART NO.	DESCRIPTION	QTY
1	2048764	Wire Harness (Engine) (☞ Figure 4-42)	1
2	1330293	Cover (Fuse).....	1
3	1482459	Controller	1
4	1461743	Relay.....	1
5	1482460	Resistor	1
6	1378661	Fuse.....	1
7	1469529	Label (1A)	1
8	302245	Screw.....	2
9	136516	Clamp	1
10	1489065	P.C. Logic Board Assembly.....	1
11	292502	Capscrew.....	2
12	316834	Nut	2
13	320156	Washer	2
14	287816	Capscrew.....	3
15	136687	Nut	3
16	292680	Lockwasher.....	3
17	1482662	Connector	1
18	1482668	Cavity Plug.....	4
19	239503	Nut	2
20	292681	Lockwasher.....	2
21	1483916	Bracket.....	1

ELECTRICAL SYSTEM (Figure 4-14)

GM 3.0L LPG

CLOSED LOOP

(S/N H177B-26764Y⇒)



HP081358

ELECTRICAL SYSTEM
GM 3.0L LPG
CLOSED LOOP
(S/N H177B-26764Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	2053670	Wire Harness (☞ Figure 4-42)	1
2	302246	Screw.....	1
3	2047019	Switch Assembly.....	1
4	287816	Capscrew.....	2
5	136687	Nut	2
6	292680	Lockwasher.....	2
7	302030	Capscrew.....	2
8	320154	Washer	2
9	815597	Nut	2

This diagram illustrates the electrical system components and their assembly. Key parts include:

- Battery (1):** The central power source with multiple terminals.
- Alternator (20):** Located at the bottom left, responsible for charging the battery.
- Starter Motor (27):** Positioned at the top left for engine cranking.
- Wiring Harnesses:** Various cables (e.g., 2, 6, 11, 19, 25) connect the components throughout the vehicle.
- Control Components:** Includes a fuse block (14), a relay (12), and a switch (42).
- Lighting and Accessories:** Components like the horn (28) and various indicator lights (e.g., 15, 16, 17) are shown.

The diagram uses numbered callouts (1-59) to identify individual parts and their assembly sequence. A large curved arrow indicates the primary power flow from the battery to the alternator and then to the vehicle's electrical loads.

HP081353

**ELECTRICAL
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1377998	Battery (Wet)	1
2	1396341	Battery Cable	1
3	275496	Conduit	AR
4	1354379	Bracket.....	1
5	a 1351681	End Cap.....	1
6	1359624	Wire Harness (Chassis Lighting)	1
7	292501	Capscrew.....	3
8	136687	Nut	6
9	320156	Washer	3
10	292680	Lockwasher.....	7
11	153930	Battery Cable	1
12	1458009	Battery Tray.....	1
13	309124	Link (Battery Holddown)	2
14	257241	Boot	1
15	320158	Washer	4
16	292681	Lockwasher.....	4
17	239503	Nut	4
18	1326939	Cap	2
19	f 1396259	Wire Harness (Engine) (☞ Figure 4-45)	1
19	g 1485873	Wire Harness (Engine) (☞ Figure 4-46)	1
19	j 1496740	Wire Harness (Engine) (☞ Figure 4-46)	1
19	l 1514911	Wire Harness (Engine) (☞ Figure 4-7)	1
20	1319175	Temperature Sender	1
21	1360086	Oil Pressure Switch	1
21	b 2026608	Oil Pressure Switch (Optional)	1
22	293600	Capscrew.....	1
23	1356131	Wire Harness (Fuel Probe).....	1
24	1352066	Wire Harness (Neutral Start) (Monotrol Pedal) (☞ Figure 4-25)	1
25	d 1376747	Wire Harness (Chassis) (☞ Figure 4-20)	1
25	e 1466043	Wire Harness (Chassis) (☞ Figure 4-21)	1
25	i 1476759	Wire Harness (Chassis) (☞ Figure 4-22)	1
25	p 1528353	Wire Harness (Chassis).....	1
26	o 1356105	Low Coolant Sender	1
26	q 1535196	Low Coolant Sender	1
27	1347067	Switch (Restriction).....	1
28	190380	Boot	1
29	b 28584	Fitting.....	1
30	b 16186	Fitting.....	1
31	bm 1356108	Oil Pressure Sender	1
31	bn 1514215	Oil Pressure Sender	1
32	b 1368983	Switch (Pressure)	1
33	b 190383	Boot	1
34	b 18500	Washer	2
35	a 1351682	End Cap.....	1
36	b 16151	Fitting.....	1
37	f 1375794	Relay.....	1
37	h 1375844	Relay (60 Amp).....	1
37	k 1506840	Relay (70 Amp).....	2
38	1396335	Control Module	1
39	132972	Clamp	3
40	137852	Strap Clamp.....	AR

**ELECTRICAL
DIESEL 2.6L**

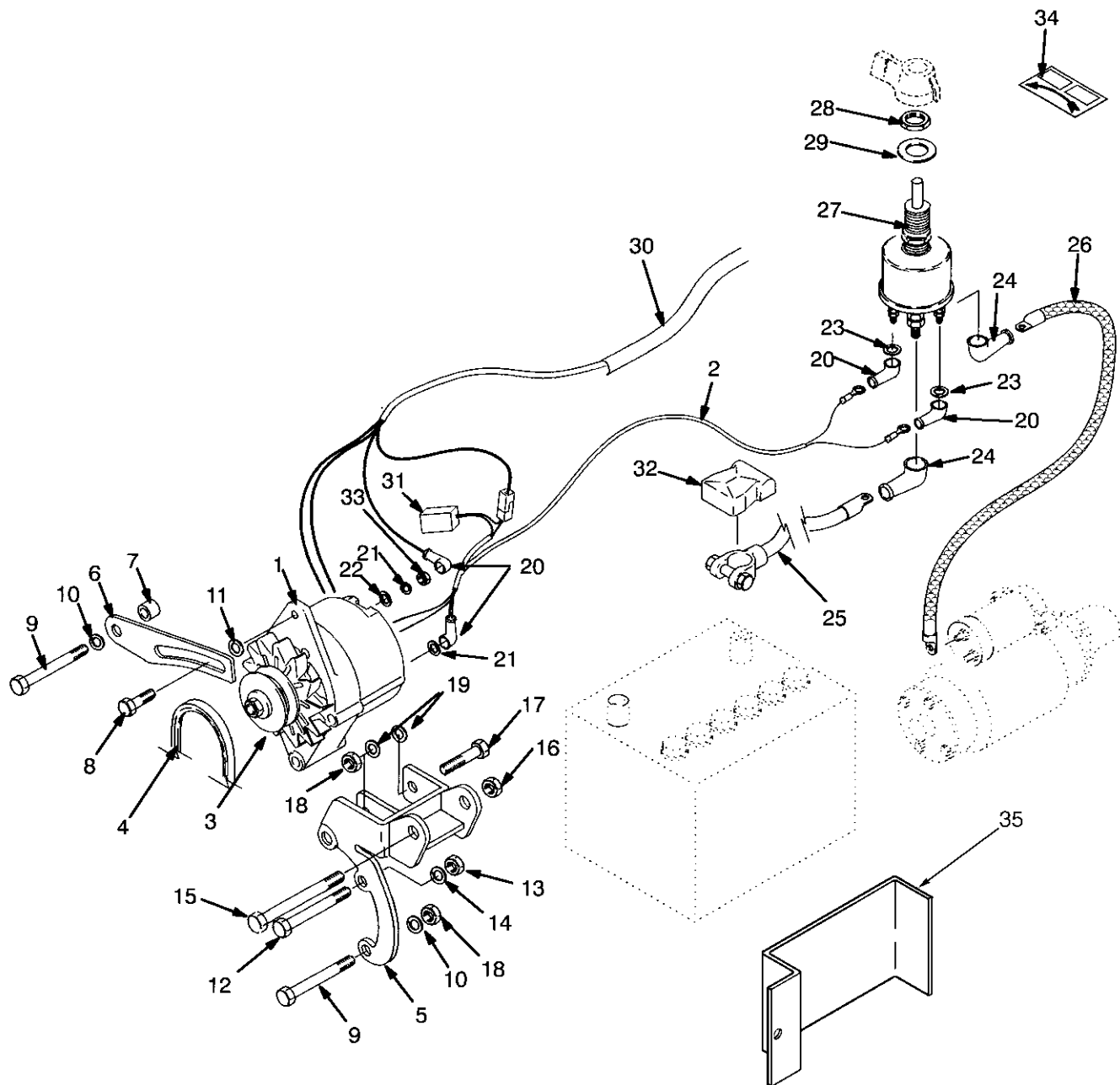
ITEM	PART NO.	DESCRIPTION	QTY
41	1361305	Diode	1
42	292500	Capscrew.....	1
43	190383	Boot	1
44	18500	Washer	1
45	292684	Lockwasher.....	1
46	293661	Capscrew.....	1
47	292667	Nut	2
48	1457874	Alternator ( Figure 4-58)	1
49	292668	Nut	3
50	173247	Clamp	1
51	320155	Washer	1
52	292679	Lockwasher.....	2
53	275498	Conduit (15 in.)	1
54	1456464	Relay.....	1
55	302027	Screw.....	2
56	197066	Washer	4
57	1519632	Starter.....	1
58	16150	Fitting.....	1
59	17735	Fitting.....	1
60	cq 14349	Fitting (Not Illustrated)	1

FOOTNOTES:

- a** Forward and Reverse Lever
b Premium Option
c Use when Item 26 (Coolant Sender) not installed.
d ⇒ S/N H177B-13698
e S/N H177B-13699⇔S/N H177B-23393
f ⇒ S/N H177B-19415X
g S/N H177B-19416X⇔S/N H177B-29209Y
h S/N H177B-19416X⇔S/N H177B-29369Y
i S/N H177B-23394W ⇒
j S/N H177B-29210Y⇔S/N H177B-34913Z
k S/N H177B-29370Y ⇒
l S/N H177B-34914Z ⇒
m ⇒ S/N H177B-35382Z
n S/N H177B-35383Z ⇒
o ⇒ S/N H177B-40927A
p S/N H177B-40927A⇔S/N H177B-42138A
q S/N H177B-42139A ⇒

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ELECTRICAL (Figure 4-16) TYPES DSL 2.6L



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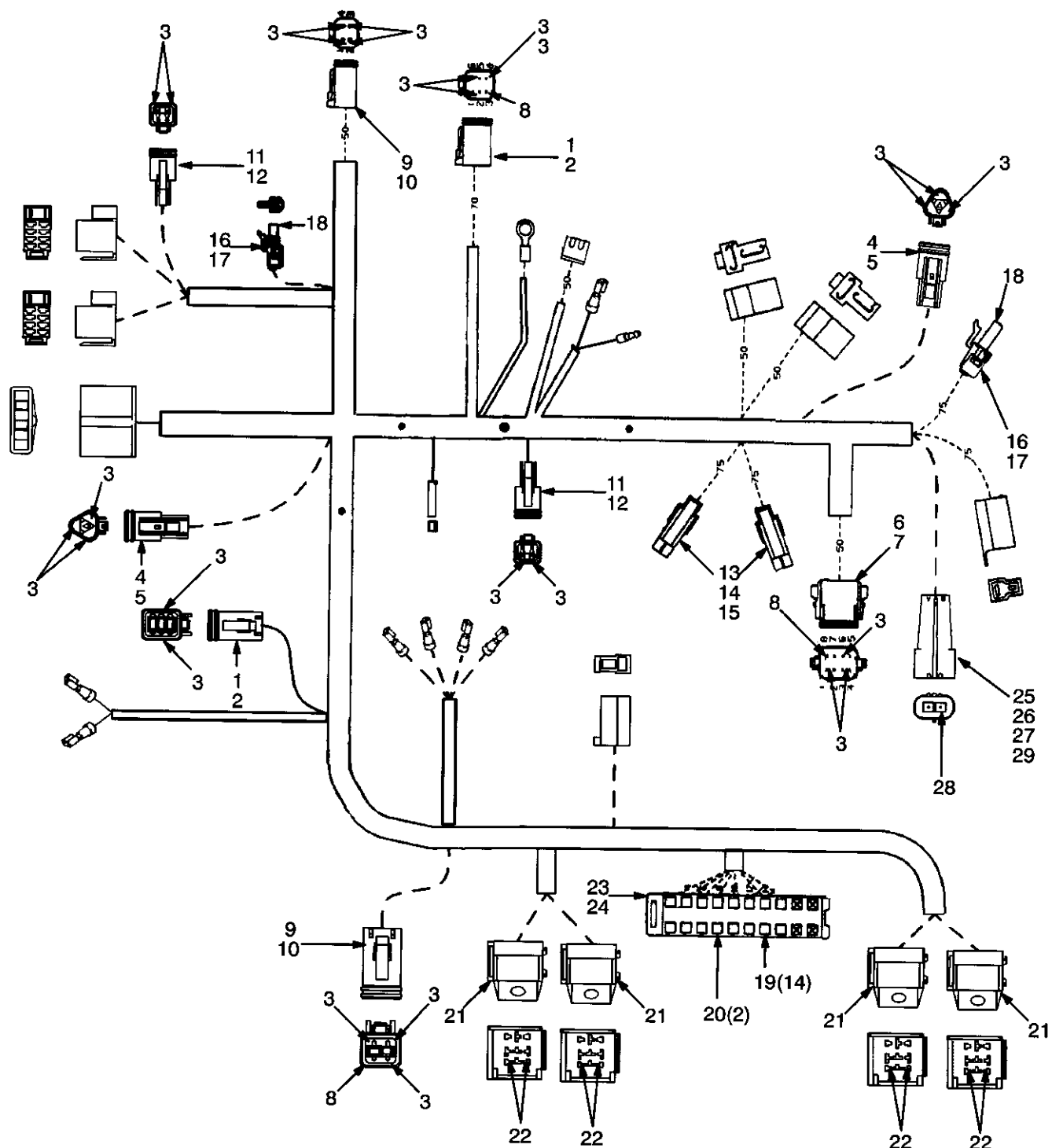
**ELECTRICAL
TYPES DSL
2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1394003	Alternator (☞ Figure 4-58)	1
2	1396220	Wire Harness.....	1
3	353291	Pulley.....	1
4	108102	V-Belt.....	1
5	1386825	Bracket.....	1
6	1396219	Strap	1
7	1386830	Spacer	1
8	170554	Capscrew.....	1
9	292524	Capscrew.....	2
10	292682	Lockwasher.....	2
11	18515	Washer	AR
12	136750	Capscrew.....	1
13	239503	Nut	1
14	292681	Lockwasher.....	1
15	16741	Capscrew.....	1
16	145641	Nut	1
17	292522	Capscrew.....	1
18	316826	Nut	2
19	320159	Washer	AR
20	d 190383	Boot	4
20	e 190383	Boot	3
21	292680	Lockwasher.....	2
22	320156	Washer	1
23	18500	Washer	3
24	204223	Boot	2
25	1368061	Battery Cable.....	1
26	246855	Battery Cable.....	1
27	1324517	Switch (Disconnect).....	1
28	1352191	Nut	1
29	15136	Washer	1
30	a 1396259	Wire Harness (Engine) (☞ Figure 4-45)	1
30	b 1496740	Wire Harness (Engine) (☞ Figure 4-46)	1
30	c 1514911	Wire Harness (Engine) (☞ Figure 4-47)	1
31	1361305	Diode	1
32	257241	Boot	1
33	136687	Nut	1
34	1352190	Label (Battery Disconnect)	1
35	1458175	Battery Spacer.....	1

FOOTNOTES:

- a** ⇒ S/N H177B-19415
b S/N H177B-19416⇒S/N H177B-29209
c S/N H177B-29210 ⇒
d ⇒ S/N H177B-40926A
e S/N H177B-40927A ⇒

WIRE HARNESS (Figure 4-17) COWL (⇒S/N H177B-26763Y)



HP080942

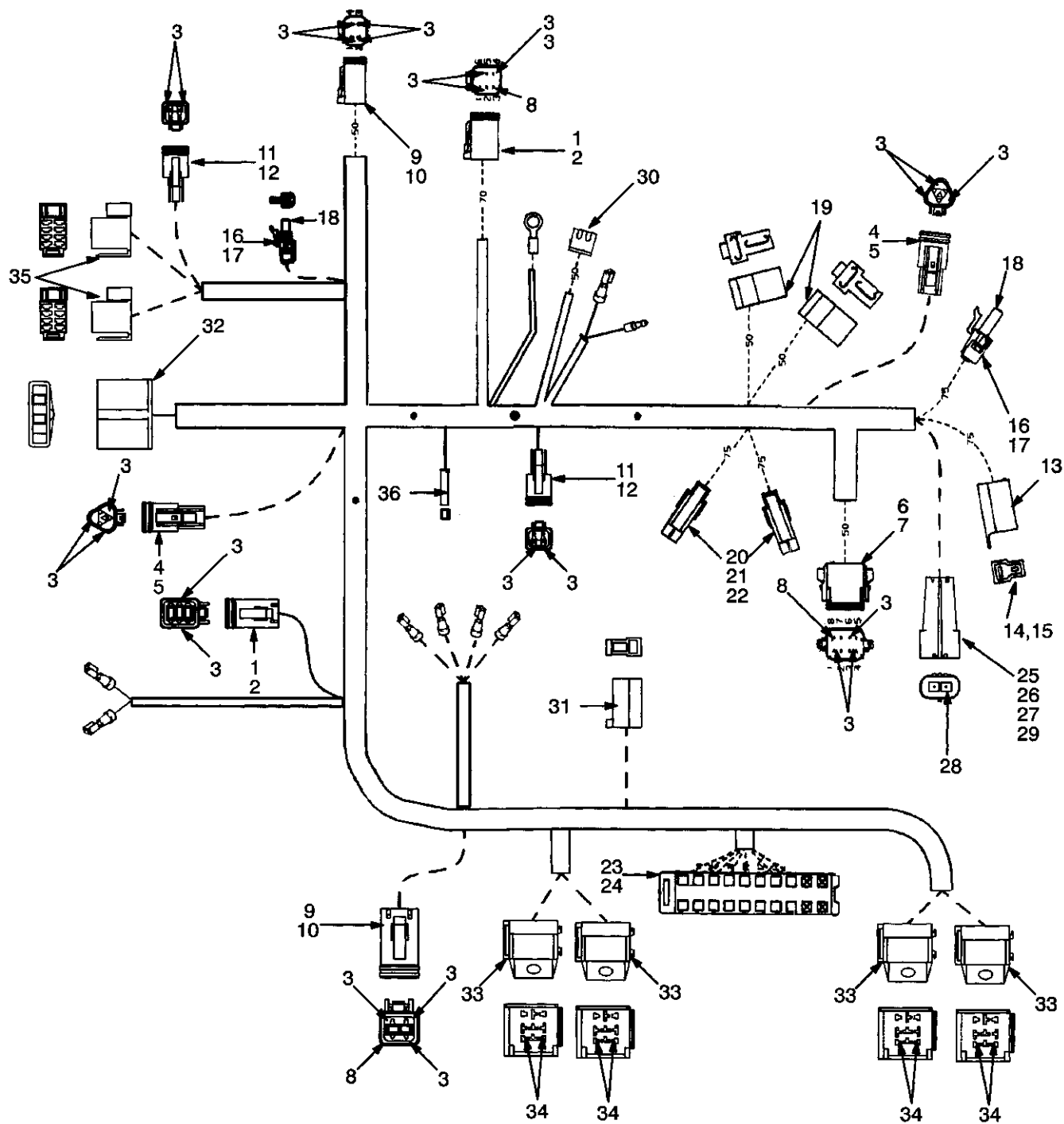
WIRE HARNESS

COWL

(⇒S/N H177B-26763Y)

ITEM	PART NO.	DESCRIPTION	QTY
	1376732	Wire Harness (Cowl)	1
1	1330422	Connector.....	2
2	1330428	Lock.....	2
3	1330438	Socket	35
4	1330420	Connector.....	2
5	1330426	Secondary Lock.....	2
6	1330423	Connector.....	1
7	1330429	Lock.....	1
8	1330439	Plug	3
9	1330421	Connector.....	2
10	1330427	Secondary Lock.....	2
11	1330419	Connector.....	2
12	1330424	Secondary Lock.....	2
13	1330298	Connector.....	2
14	1334999	Pin	2
15	1329147	Seal	2
16	1330299	Connector.....	2
17	1329147	Seal	2
18	1336173	Terminal Socket.....	2
19	1389479	Electrical Fitting	14
20	1389480	Electrical Fitting	2
21	1347224	Relay Socket	4
22	1331233	Blade	18
23	1389476	Fuse Holder.....	1
24	1389477	Lock.....	1
25	1336870	Connector.....	1
26	1336871	Secondary Lock.....	1
27	1336874	Seal	1
28	1337393	Fitting.....	1
29	1323581	Plug	1

WIRE HARNESS (Figure 4-18)
COWL
(S/N H177B-26764Y↔S/N H177B-301180Y)

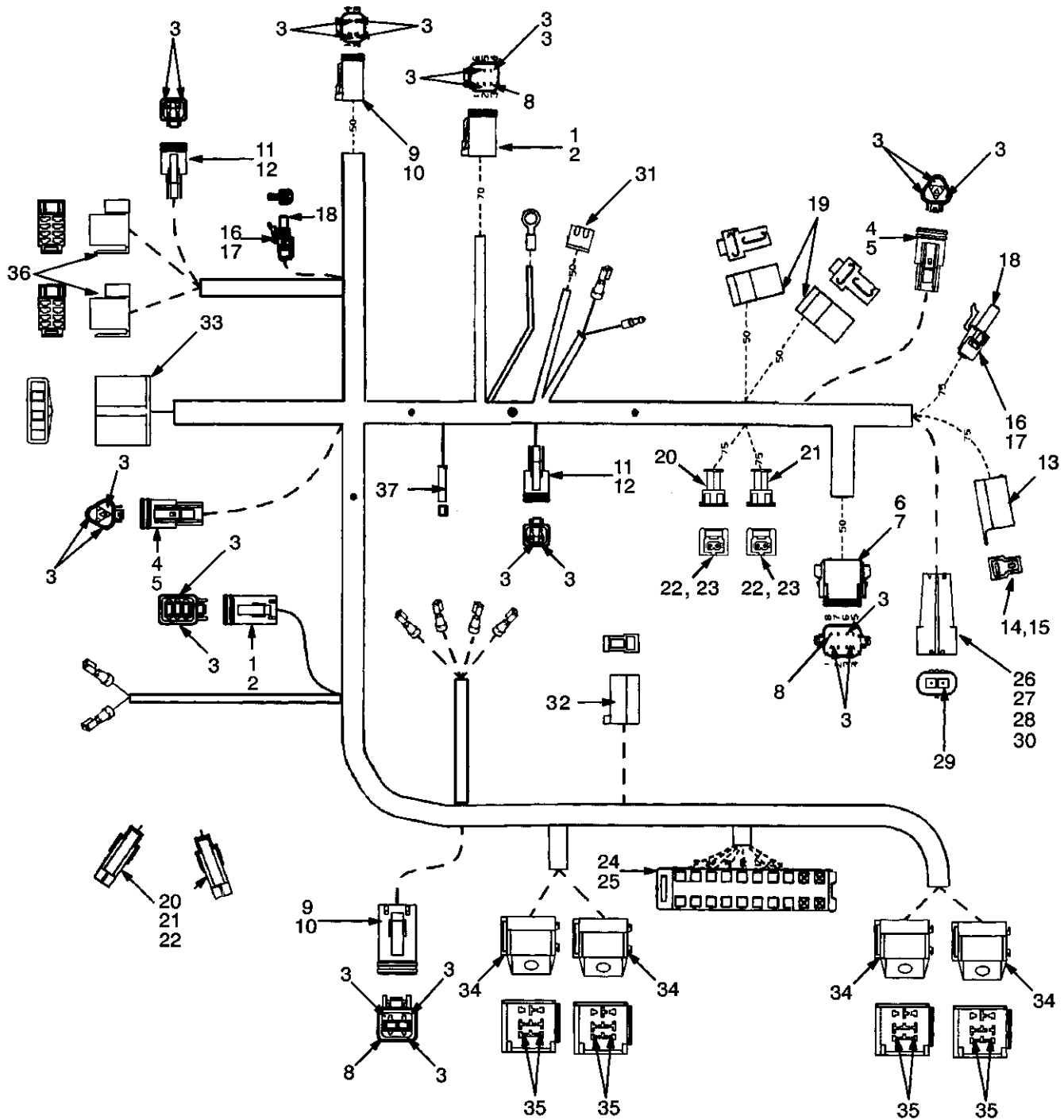


HP080943

WIRE HARNESS COWL (S/N H177B-26764Y⇔S/N H177B-301180Y)

ITEM	PART NO.	DESCRIPTION	QTY
	1486766	Wire Harness (Cowl)	1
1	1330422	Connector.....	2
2	1330428	Lock.....	2
3	1330438	Socket	35
4	1330420	Connector.....	2
5	1330426	Secondary Lock.....	2
6	1330423	Connector.....	1
7	1330429	Lock.....	1
8	1330439	Plug	3
9	1330421	Connector.....	2
10	1330427	Secondary Lock.....	2
11	1330419	Connector.....	2
12	1330424	Secondary Lock.....	2
13	181047	Connector.....	1
14	134810	Blade	1
15	199099	Terminal.....	1
16	1330299	Connector.....	2
17	1329147	Seal	2
18	1336173	Terminal Socket.....	2
19	1308259	Connector Body.....	2
20	1330298	Connector.....	2
21	1334999	Pin	2
22	1329147	Seal	2
23	1389476	Fuse Holder.....	1
24	1389477	Lock.....	1
25	1336870	Connector.....	1
26	1336871	Secondary Lock.....	1
27	1336874	Seal	1
28	1337393	Fitting.....	1
29	1323581	Plug	1
30	346330	Connector.....	1
31	181048	Connector.....	1
32	154475	Connector.....	1
33	1347224	Relay Socket	4
34	1331233	Blade	18
35	878219	Socket	2
36	129889	Connector Body.....	1

WIRE HARNESS (Figure 4-19) COWL (S/N H177B-301181Y⇒)

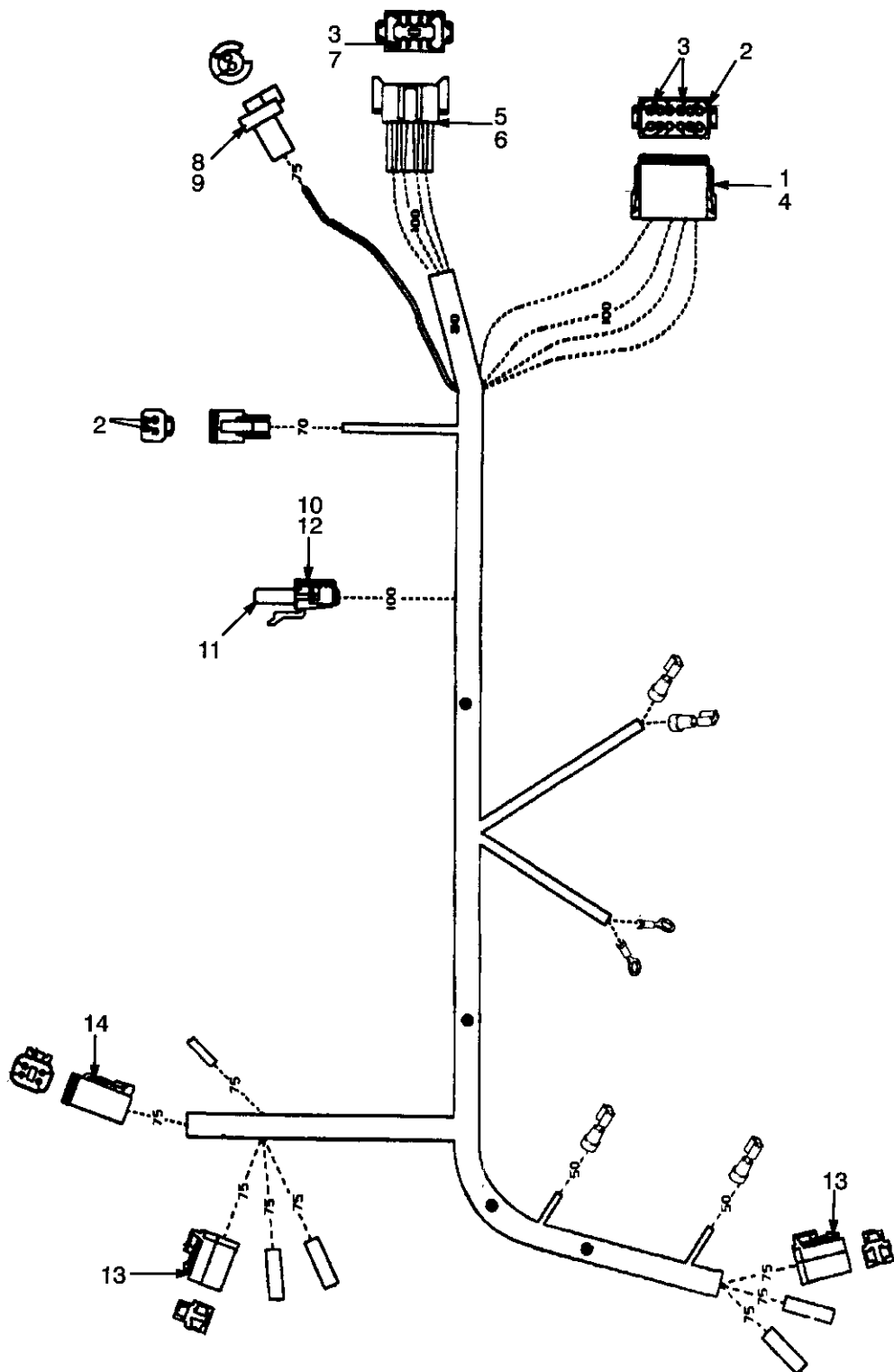


HP081388

WIRE HARNESS COWL (S/N H177B-301181Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1494358	Wire Harness (Cowl)	1
1	1330422	Connector.....	2
2	1330428	Lock.....	2
3	1330438	Socket	35
4	1330420	Connector.....	2
5	1330426	Secondary Lock.....	2
6	1330423	Connector.....	1
7	1330429	Lock.....	1
8	1330439	Plug	3
9	1330421	Connector.....	2
10	1330427	Secondary Lock.....	2
11	1330419	Connector.....	2
12	1330424	Secondary Lock.....	2
13	181047	Connector.....	1
14	134810	Blade	1
15	199099	Terminal.....	1
16	1330299	Connector.....	2
17	1329147	Seal	2
18	1336173	Terminal Socket.....	2
19	1308259	Connector Body.....	2
20	1493446	Socket Housing	1
21	1493447	Socket Housing	1
22	1493436	Terminal Socket.....	4
23	1479109	Wire Seal.....	4
24	1389476	Fuse Holder.....	1
25	1389477	Lock.....	1
26	1336870	Connector.....	1
27	1336871	Secondary Lock.....	1
28	1336874	Seal	1
29	1337393	Fitting.....	1
30	1323581	Plug	1
31	346330	Connector.....	1
32	181048	Connector.....	1
33	154475	Connector.....	1
34	1347224	Relay Socket	4
35	1331233	Blade	18
36	878219	Socket	2
37	129889	Connector Body.....	1

WIRE HARNESS (Figure 4-20) CHASSIS (⇒S/N H177B-13698)



HP080953

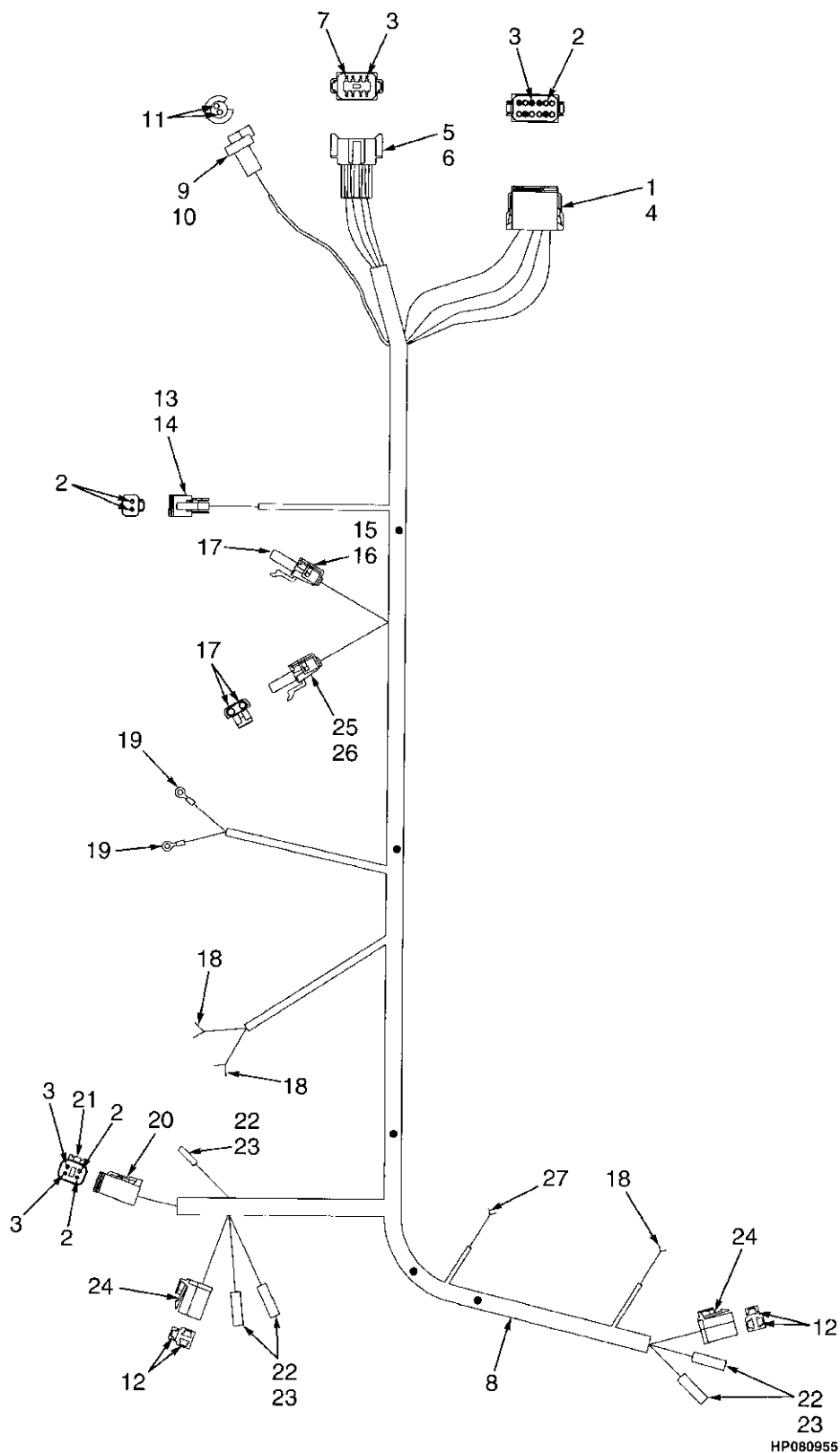
**WIRE HARNESS
CHASSIS
(⇒S/N H177B-13698)**

ITEM	PART NO.	DESCRIPTION	QTY
	1376747	Wire Harness (Chassis).....	1
1	1351068	Connector.....	1
2	1330438	Socket	11
3	1330439	Plug	8
4	1351069	Lock.....	1
5	1330413	Connector.....	1
6	1330418	Lock.....	1
7	1330437	Pin	7
8	1351070	Connector.....	1
9	1351076	Seal	1
10	1330299	Connector.....	1
11	1323583	Terminal Socket.....	1
12	1323579	Seal	1
13	1351099	Connector.....	2
14	1330421	Connector.....	1

**WIRE HARNESS
CHASSIS
(S/N H177B-13699↔S/N H177B-23393)**

ITEM	PART NO.	DESCRIPTION	QTY
	1466043	Wire Harness (Chassis).....	1
1	1351068	Connector (Cluster Harness)	1
2	1330438	Socket	11
3	1330439	Plug	8
4	1351069	Lock.....	1
5	1330413	Connector (Cowl Harness).....	1
6	1330418	Lock.....	1
7	1330437	Pin	7
8	1351070	Connector.....	1
9	1351076	Seal	1
10	1330419	Connector (Seat Switch)	1
11	1330424	Secondary Lock.....	1
12	1330299	Connector (Fuel Sender).....	1
13	1323583	Terminal Socket.....	1
14	1323579	Seal	1
15	1465468	Connector.....	1
16	1465702	Seal	1
17	1330421	Connector.....	1
18	1351099	Connector.....	2

WIRE HARNESS (Figure 4-22) CHASSIS (S/N H177B-23394Y⇒)



WIRE HARNESS CHASSIS (S/N H177B-23394Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1476759	Wire Harness (Chassis).....	1
1	1351068	Connector (Cluster Harness)	1
2	1330438	Socket	11
3	1330439	Plug	8
4	1351069	Lock.....	1
5	1330413	Connector (Cowl Harness).....	1
6	1330418	Lock.....	1
7	1330437	Pin	7
8	381919	Conduit.....	AR
9	1351070	Connector.....	1
10	1351076	Seal	1
11	1351071	Electrical Fitting	2
12	1351100	Fitting.....	6
13	1330419	Connector (Seat Switch)	1
14	1330424	Secondary Lock.....	1
15	1330299	Connector (Fuel Sender).....	1
16	1323579	Seal	1
17	1323583	Terminal Socket.....	1
18	1306270	Electrical Fitting (Rear Light).....	3
19	1301783	Ring	2
20	1330421	Connector.....	1
21	1330427	Secondary Lock.....	1
22	1324309	Connector.....	5
23	1324310	Terminal.....	5
24	1351099	Connector.....	2
25	1465468	Connector.....	1
26	1465702	Seal	1
27	1310142	Blade	1

The diagram illustrates a complex cable assembly with the following components and connections:

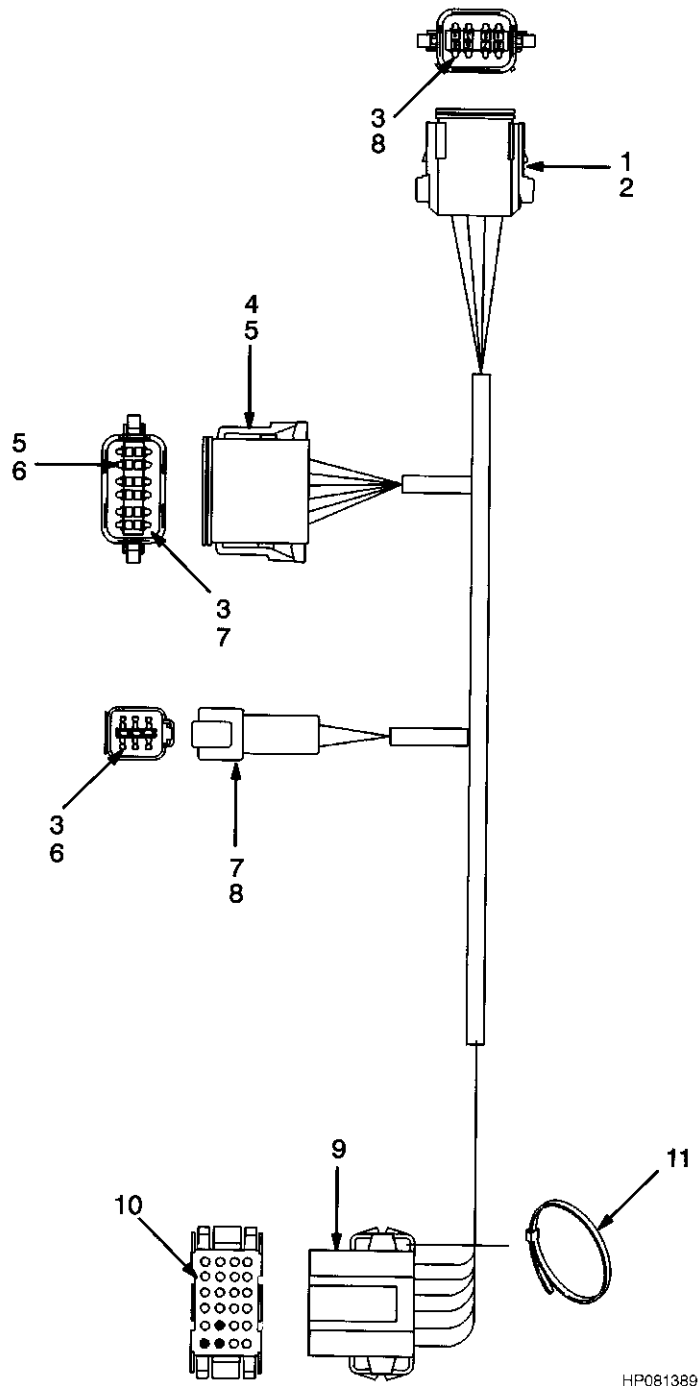
- Top Section:** Features a central cable with multiple branches. On the left, a connector labeled 11 is connected to a cable labeled 9, which then connects to a component labeled 10. In the center, a cable labeled 5 connects to a component labeled 6. On the right, a cable labeled 1 connects to a component labeled 4. Above these, there are two RJ45 connectors: one labeled 7 and 3, and another labeled 3 and 2.
- Middle Section:** A central cable runs vertically. On the left, a cable labeled 2 connects to a component labeled 13, which then connects to a component labeled 14. Further down, a cable labeled 17 connects to a component labeled 15, which then connects to a component labeled 16. Below this, a cable labeled 17 connects to a component labeled 24. On the right, a cable labeled 19 connects to a component labeled 19, which then connects to a component labeled 19.
- Bottom Section:** A central cable runs horizontally. On the left, a cable labeled 3 connects to a component labeled 21, which then connects to a component labeled 20. Below this, a cable labeled 2 connects to a component labeled 22, which then connects to a component labeled 23. On the right, a cable labeled 12 connects to a component labeled 19, which then connects to a component labeled 18. Below this, a cable labeled 15 connects to a component labeled 16, which then connects to a component labeled 15 and 16. At the bottom right, a cable labeled 7 connects to a component labeled 7, which then connects to a component labeled 7 and 3.

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WIRE HARNESS CHASSIS EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	1556851	Wire Harness (Chassis).....	1
1	1351068	Connector (Cluster Harness)	1
2	1330438	Socket	11
3	1330439	Plug	10
4	1351069	Lock.....	1
5	1330413	Connector (Cowl Harness).....	1
6	1330418	Lock.....	1
7	1330437	Pin	17
8	381919	Conduit	AR
9	1351070	Connector.....	1
10	1351076	Seal	1
11	1351071	Electrical Fitting	2
12	1310142	Blade	6
13	1330419	Connector (Seat Switch)	1
14	1330424	Secondary Lock.....	1
15	1330412	Connector (Tail Light Cluster).....	1
16	1330417	Lock.....	1
17	1323583	Terminal Socket.....	3
18	1306270	Electrical Fitting (Rear Light).....	2
19	1301783	Ring	2
20	1330421	Connector.....	1
21	1330427	Secondary Lock.....	1
22	1324309	Connector.....	1
23	1324310	Terminal.....	1
24	1465702	Seal	2
25	1465468	Connector.....	1

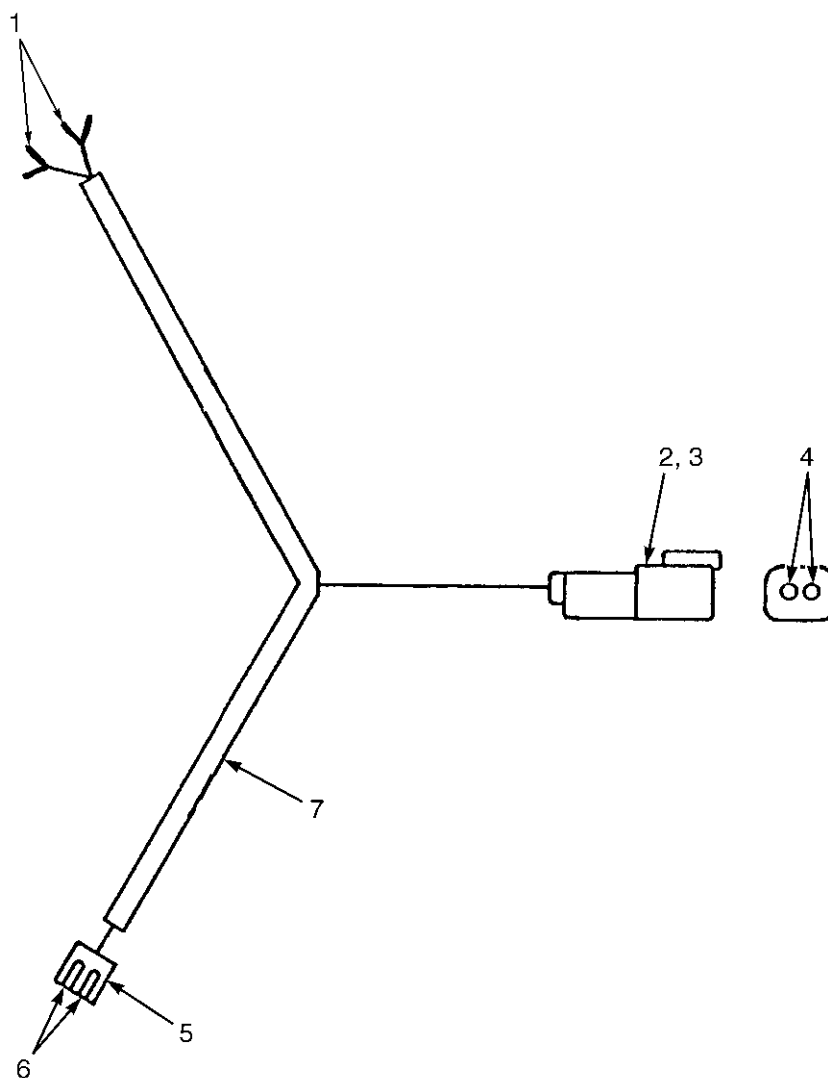
WIRE HARNESS (Figure 4-24) CLUSTER



**WIRE HARNESS
CLUSTER**

ITEM	PART NO.	DESCRIPTION	QTY
	1375703	Wire Harness.....	1
1	1330413	Connector.....	1
2	1330418	Lock.....	1
3	1330433	Pin	21
4	1352602	Connector.....	1
5	1352603	Lock.....	1
6	1330439	Plug	5
7	1330412	Connector.....	1
8	1330417	Lock.....	1
9	1352599	Housing	1
10	1340958	Connector.....	21
11	1352606	Strap Clamp.....	1

WIRE HARNESS (Figure 4-25) NEUTRAL START

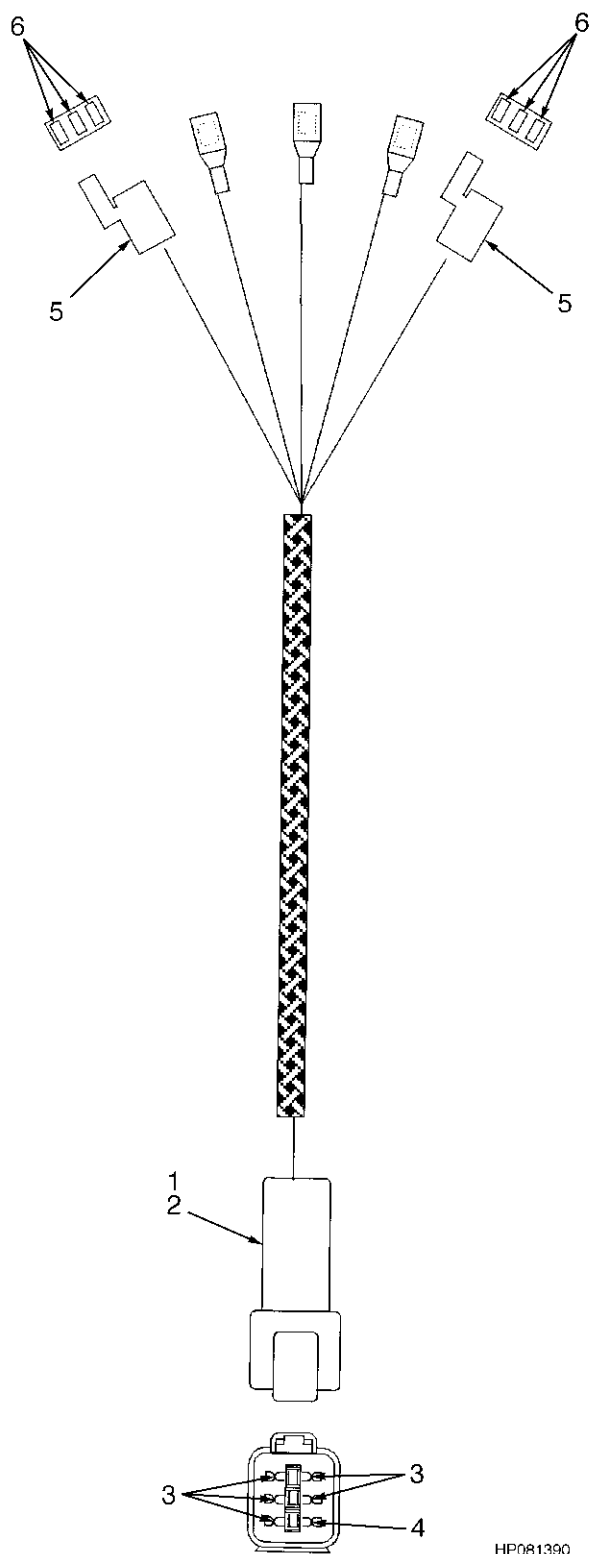


BP080182

ITEM	PART NO.	DESCRIPTION	QTY
	1352066	Wire Harness (Neutral Start)	1
1	325789	Electrical Fitting (Female) (Transmission Switch).....	2
2		Connector Assembly (Cowl Harness)	1
2	1330409	Connector	1
3	1330414	Secondary Lock	1
4	1330435	Pin.....	2
5		Connector Assembly (Brake Pressure Switch).....	1
5	346330	Connector	1
6	370730	Blade.....	2
7	381919	Conduit.....	AR

[illegible]

WIRE HARNESS (Figure 4-26) FORWARD AND REVERSE LEVER



HP081390

**WIRE HARNESS
FORWARD AND REVERSE LEVER**

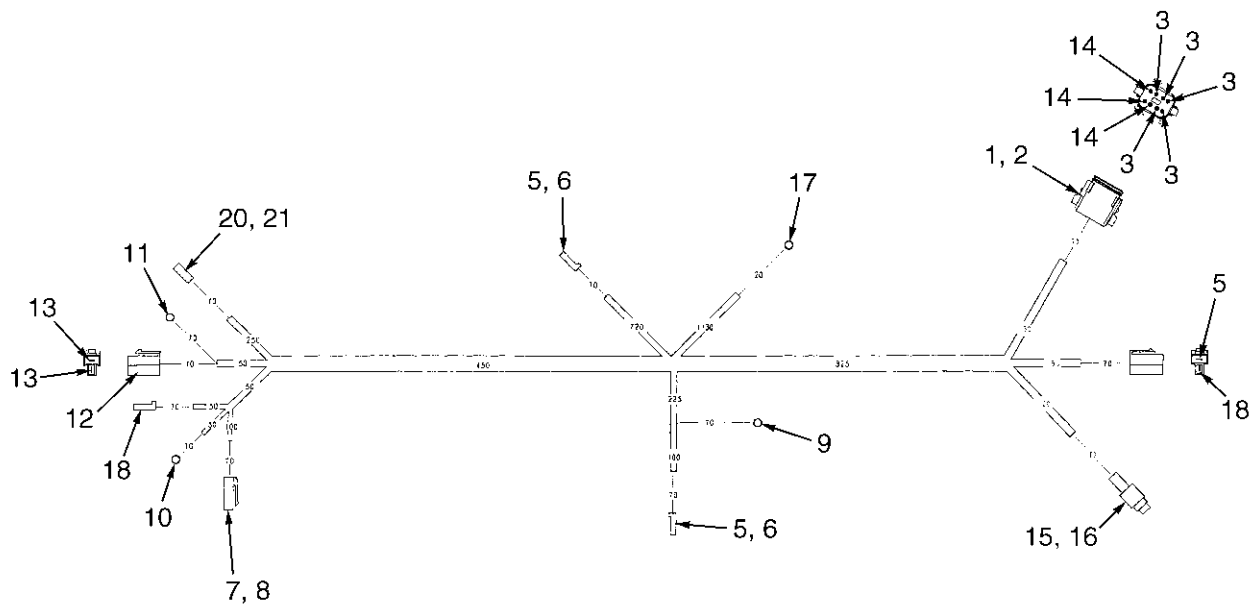
ITEM	PART NO.	DESCRIPTION	QTY
	1352088	Wire Harness.....	1
1	1330412	Connector.....	1
2	1330417	Lock.....	1
3	1363885	Pin	5
4	1330439	Plug	1
5	1352563	Connector.....	2
6	1352564	Pin	6

WIRE HARNESS (ENGINE) (Figure 4-27)

GASOLINE AND LPG

2.0L AND 2.2L

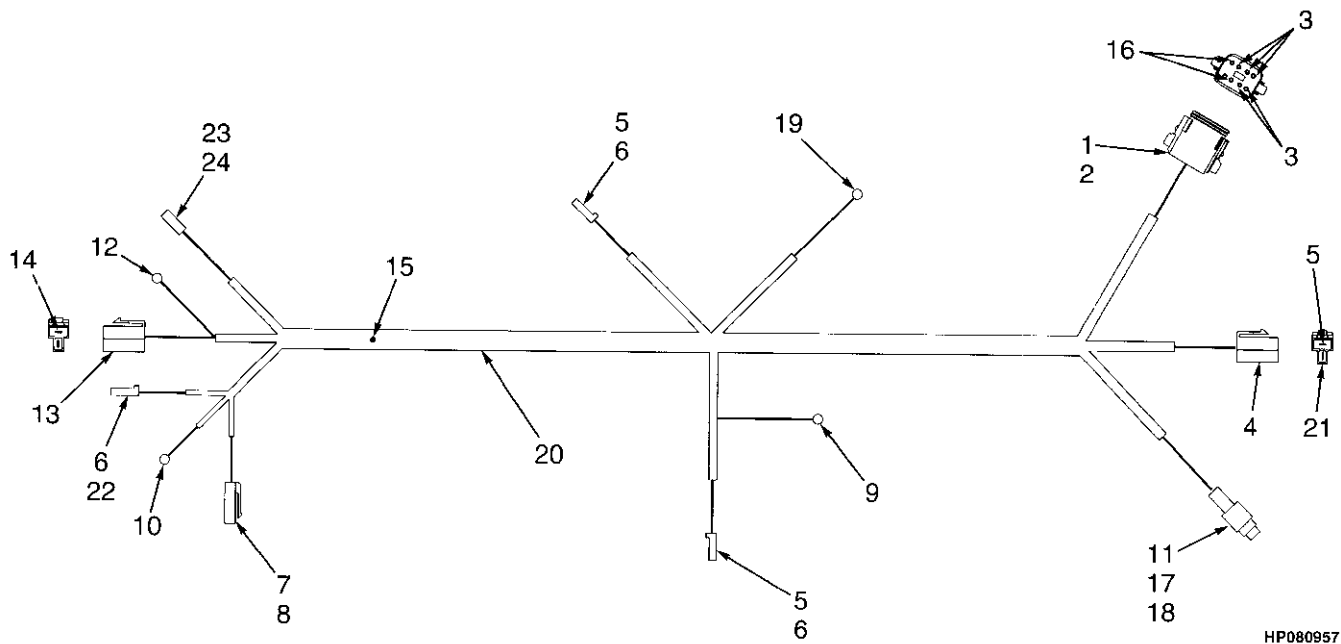
(⇒S/N H177B-09725W)



WIRE HARNESS (ENGINE)
GASOLINE AND LPG
2.0L AND 2.2L
(⇒S/N H177B-09725W)

ITEM	PART NO.	DESCRIPTION	QTY
	1385862	Wire Harness (Engine)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	5
4	181048	Connector.....	1
5	370730	Blade	3
6	181046	Connector.....	3
7	1324311	Connector.....	1
8	1324312	Connector.....	1
9	148615	Terminal.....	1
10	1301783	Ring.....	1
11	129888	Terminal.....	1
12	1308259	Connector Body.....	1
13	314775	Terminal.....	2
14	1330439	Plug	3
15	1330298	Connector.....	1
16	1334999	Pin	1
17	129887	Ring.....	1
18	141462	Blade	1
19	236900	Terminal.....	1
20	2043859	Connector Body.....	1
21	1324310	Terminal	1

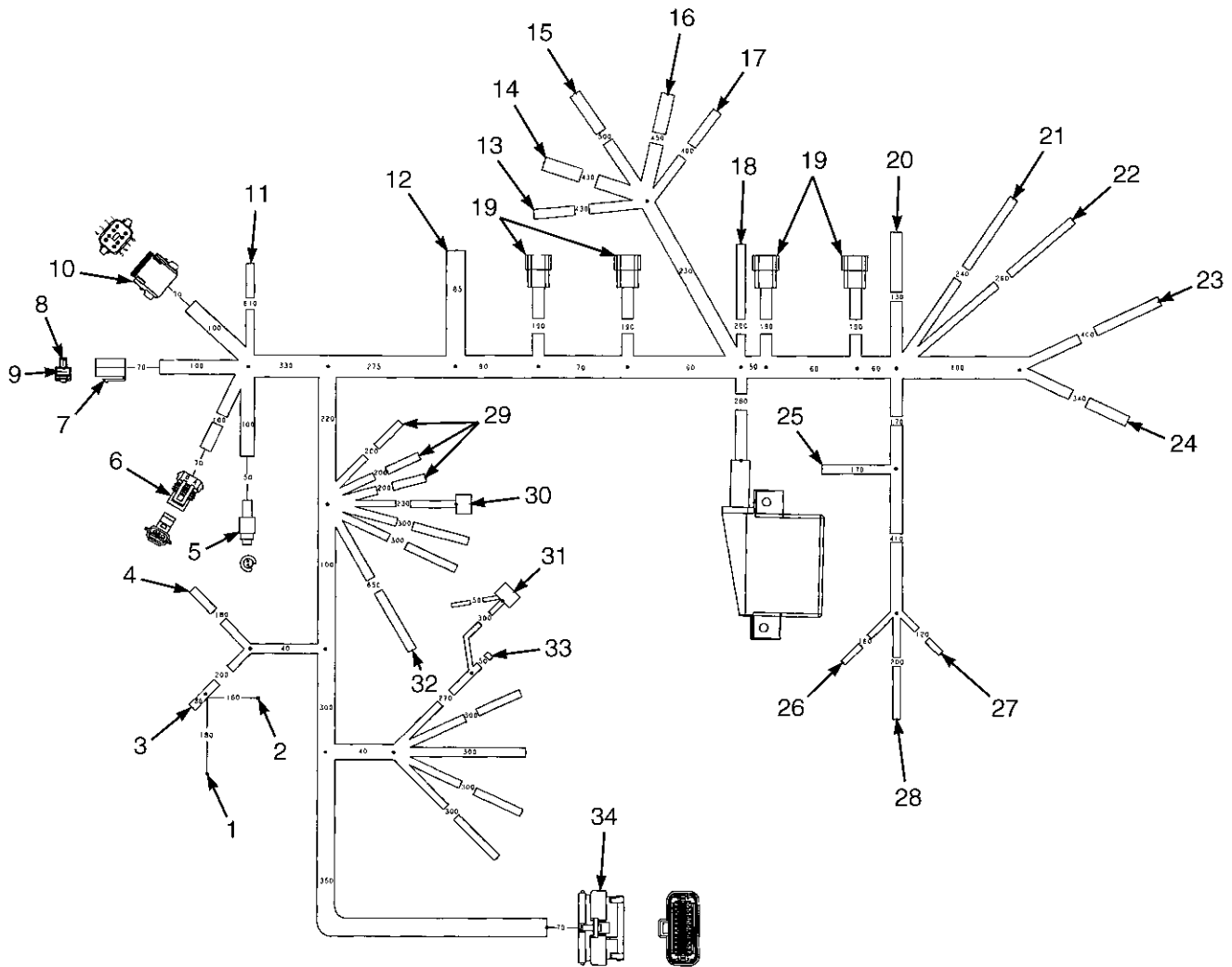
WIRE HARNESS (Figure 4-28)
GASOLINE AND LPG ENGINE
2.0L AND 2.2L
(S/N H177B-09725W⇔S/N H177B-23394X)



WIRE HARNESS
GASOLINE AND LPG ENGINE
2.0L AND 2.2L
(S/N H177B-09725W⇔S/N H177B-23394X)

ITEM	PART NO.	DESCRIPTION	QTY
	2036169	Wire Harness (Engine)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	5
4	181048	Connector.....	1
5	370730	Blade	3
6	181046	Connector.....	3
7	1324311	Connector.....	1
8	1324312	Connector.....	1
9	148615	Terminal.....	1
10	1301783	Ring.....	1
11	1329147	Seal	1
12	129888	Terminal.....	1
13	1308259	Connector Body.....	1
14	314775	Terminal.....	2
15	1345029	Splice.....	1
16	1330439	Plug	3
17	1330298	Connector.....	1
18	1334999	Pin	1
19	129887	Ring.....	1
20	381919	Conduit.....	AR
21	141462	Blade	1
22	236900	Terminal.....	1
23	2043859	Connector Body.....	1
24	1324310	Terminal.....	1

WIRE HARNESS (ENGINE) (Figure 4-29) GASOLINE 2.0L AND 2.2L EPA COMPLIANT

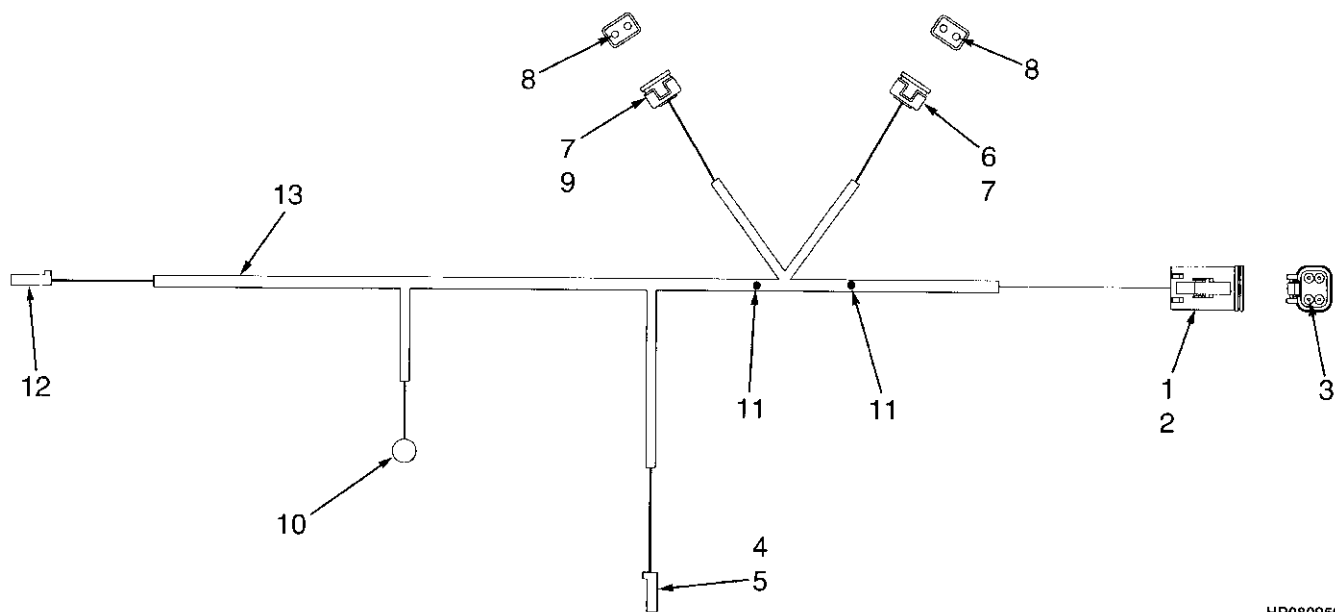


HP081408

WIRE HARNESS (ENGINE) GASOLINE 2.0L AND 2.2L EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	2058471	Wire Harness (Engine)	1
1	1476077	Connector (Fuel Sender)	1
2	1465469	Connector (Chassis Harness Interface)	1
3	1519611	Connector (Fuel Pump)	1
4	1531237	Body (Air Flow Sensor)	1
5	1330298	Connector	1
5	1329147	Seal	1
5	1334999	Pin	2
6	1330292	Connector (Ignition Switch)	1
7	181048	Connector	1
8	141462	Blade	1
9	370730	Blade	1
10	1330423	Connector	1
10	1330429	Lock	1
10	1330438	Socket	1
10	1330439	Plug	1
11	148613	Ring Terminal (Circuit Breaker)	1
12		Connector (GCU)	1
13	1531233	Connector (Water Temperature Sensor)	1
14	1323586	Connector (Water Temperature Sensor)	1
15		Connector (Map Sensor)	1
16	181046	Connector (Oil Pressure Switch)	1
17	1301783	Ring (Oil Pressure Sender)	1
18	1531235	Connector (Solenoid)	1
19	1531238	Connector (Injectors)	4
20	1531231	Connector (Governor)	1
21	1531237	Body (Throttle Sensor)	1
22	1531991	Connector (Oxygen Sensor)	1
23	1308259	Connector Body (Alternator)	1
24	129888	Terminal (Alternator)	1
25	1531240	Body (Angle Sensor/Distributor)	1
26	1531237	Body (Ignitor)	1
27	1531232	Connector (Condensor)	1
28	1531239	Connector (Ignition Coil)	1
29	148615	Terminal (Starter)	3
30	181046	Connector (Starter)	1
31	1323586	Connector (Low Coolant Sensor)	1
32	181046	Connector (XSMN Oil Temperature)	1
33	1531232	Connector (Air Temperature Sensor)	1
34	1553094	Connector (ECU)	1

WIRE HARNESS (Figure 4-30) LPG 2.0L AND 2.2L (S/N H177B-23394⇒)

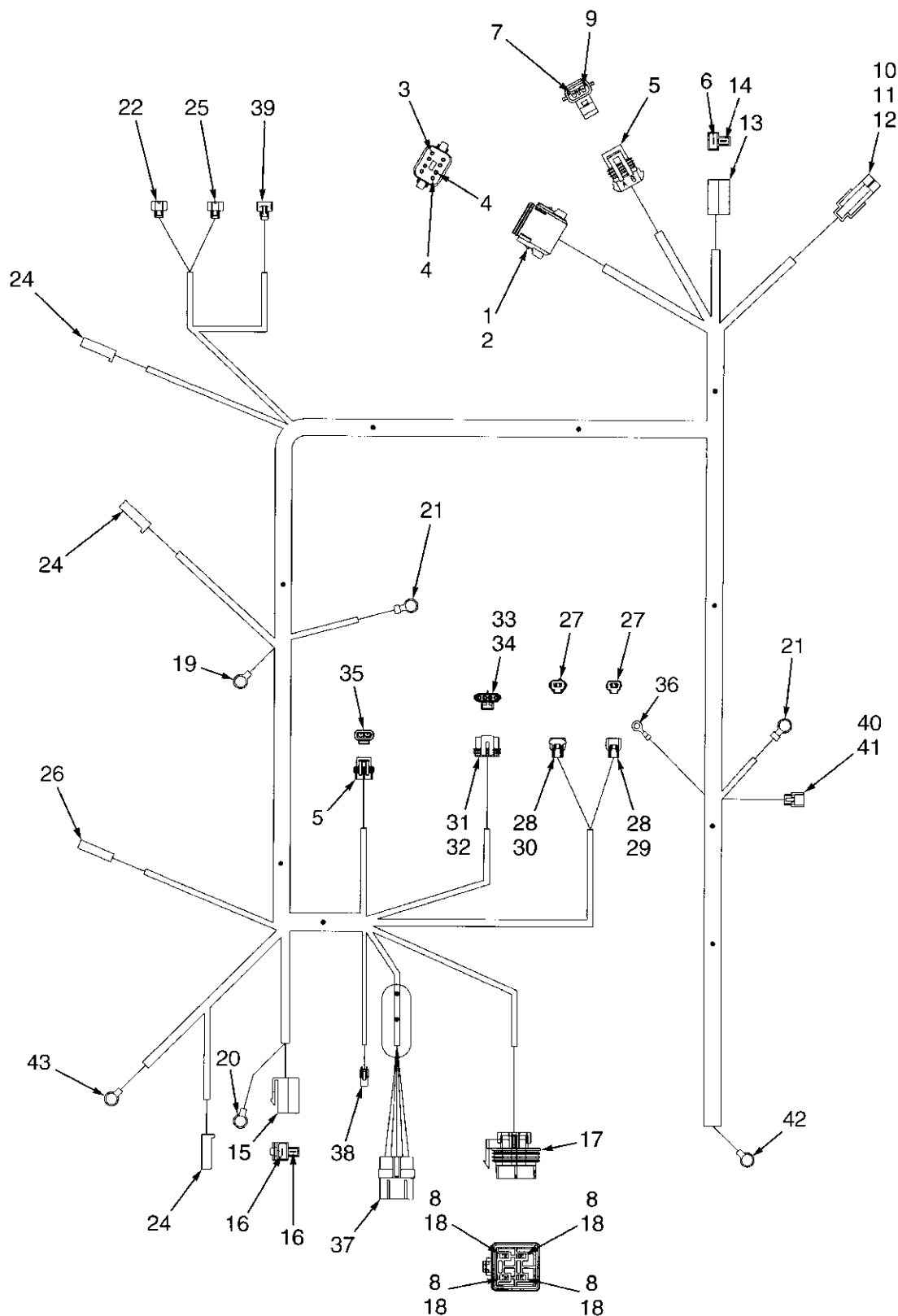


HP080959

WIRE HARNESS
LPG 2.0L AND 2.2L
(S/N H177B-23394⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1476595	Wire Harness.....	1
1	1330421	Connector.....	1
2	1330427	Secondary Lock.....	1
3	1330438	Socket	4
4	1375950	Connector.....	1
5	314773	Terminal.....	1
6	1474763	Connector.....	1
7	1476599	Seal	4
8	1476598	Socket	4
9	1474764	Connector.....	1
10	129894	Terminal.....	1
11	1345027	Splice.....	2
12	148648	Connector.....	1
13	381919	Conduit.....	AR

WIRE HARNESS (Figure 4-31) LPG 2.0L AND 2.2L CLOSED LOOP (S/N H177B-26764Y⇒)

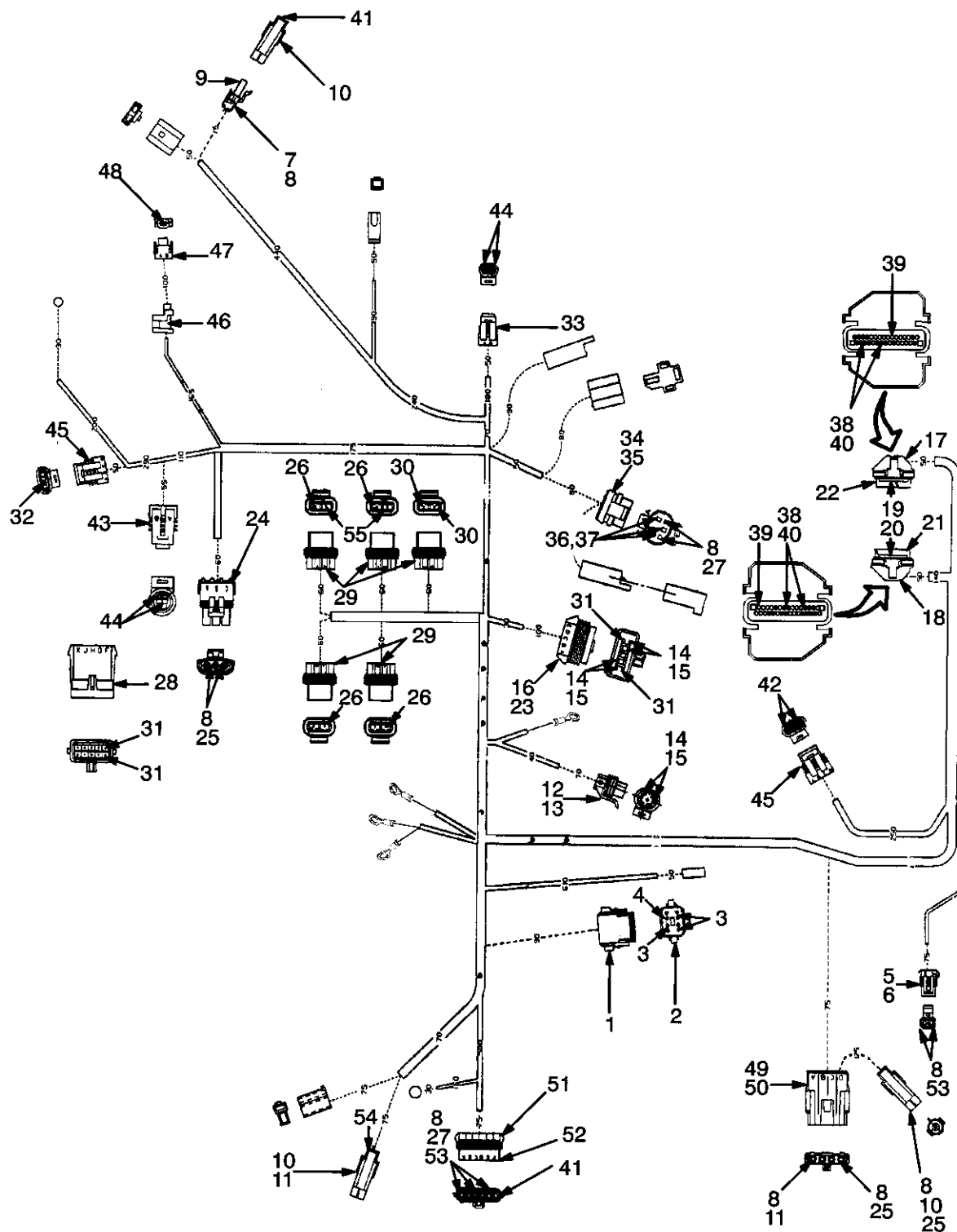


HP081397

WIRE HARNESS
LPG 2.0L AND 2.2L
CLOSED LOOP
(S/N H177B-26764Y⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	1486374	Wire Harness (Engine)	1
1	1330423	Connector (Cluster Harness)	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1330292	Connector.....	2
6	370730	Blade	3
7	1330283	Terminal.....	1
8	1329147	Seal	4
9	1323581	Plug	1
10	1330298	Connector.....	1
11	1334999	Pin	1
12	1329147	Seal	1
13	181048	Connector.....	1
14	141462	Blade	1
15	1308259	Connector Body.....	1
16	314775	Terminal.....	2
17	1375795	Connector.....	1
18	1375797	Terminal.....	4
19	148615	Terminal.....	1
20	129888	Terminal.....	1
21	1337350	Terminal.....	2
22	1482660	Connector.....	1
23	2043859	Connector Body.....	1
24	181046	Connector.....	3
25	1488776	Connector.....	1
26	1324310	Terminal.....	1
27	1476598	Socket	4
28	1476599	Seal	2
29	1474764	Connector.....	1
30	1474763	Connector.....	1
31	1482667	Connector.....	1
32	1482663	Lock.....	1
33	1482665	Seal	4
34	1482664	Terminal.....	4
35	1354204	Terminal.....	2
36	252293	Ring.....	1
37	1482648	Connector.....	1
38	1482657	Connector.....	1
39	1482654	Connector.....	1
40	1482651	Connector.....	1
41	1484154	Lock Plate.....	1
42	129887	Ring.....	1
43	1301783	Ring.....	1

WIRE HARNESS (Figure 4-32) GASOLINE ENGINE 3.0L (⇒S/N H177B-11463)



HP080960

**WIRE HARNESS
GASOLINE ENGINE
3.0L
(⇒S/N H177B-11463)**

ITEM	PART NO.	DESCRIPTION	QTY
	1385860	Wire Harness.....	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1329152	Connector.....	1
6	1329151	Lock.....	2
7	1330299	Connector.....	1
8	1323579	Seal	18
9	1336173	Terminal Socket.....	1
10	1330298	Connector.....	3
11	1334999	Pin	3
12	1347210	Connector.....	1
13	1330357	Secondary Lock.....	1
14	1330355	Terminal.....	7
15	1330356	Seal	7
16	1376617	Plug	1
17	1350218	Relief (LH)	1
18	1350219	Relief (RH) (RH)	1
19	1350220	Connector.....	2
20	1350221	Seal	2
21	1350222	Cap (Clear).....	1
22	1350223	Cap (Black).....	1
23	1376619	Secondary Lock.....	1
24	1327958	Housing	1
25	1323578	Pin	6
26	1330283	Terminal.....	6
27	1330281	Terminal.....	3
28	a 1376618	Receptacle	1
29	1330292	Connector.....	5
30	1336171	Terminal.....	2
31	1351139	Cavity Plug	16
32	1330296	Terminal.....	4
33	1323586	Connector.....	1
34	1330302	Connector.....	1
35	1330303	Secondary Lock.....	1
36	1330304	Terminal.....	3
37	1337386	Seal	3
38	1352104	Terminal.....	13
39	1352105	Plug	36
40	1368073	Terminal.....	15
41	1327164	Plug	2
42	1352142	Terminal.....	4
43	1327957	Connector.....	1
44	1354237	Terminal.....	5
45	1323575	Connector.....	2
46	1356501	Grommet	1
47	1327960	Connector.....	1
48	1330296	Terminal.....	2

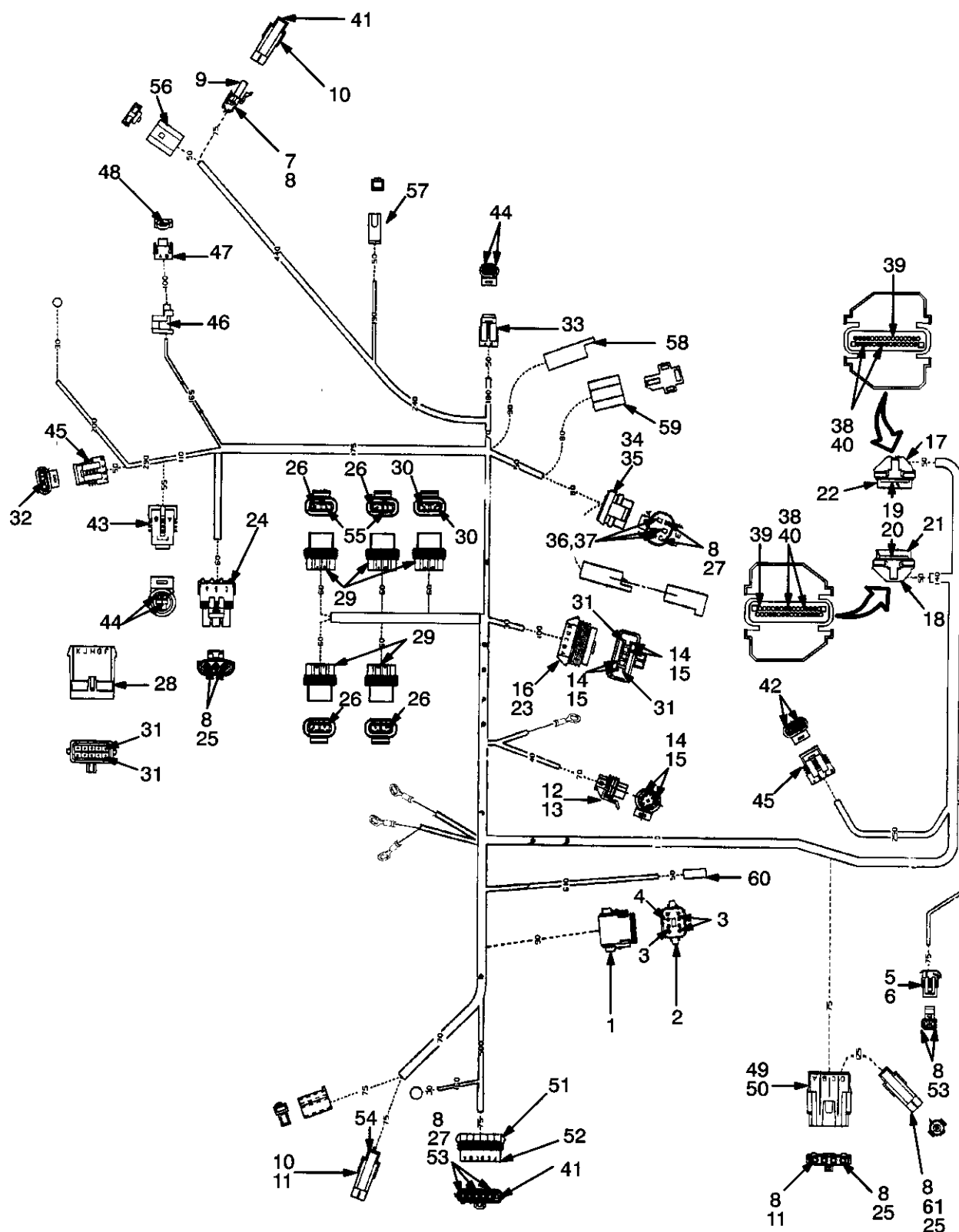
**WIRE HARNESS
GASOLINE ENGINE
3.0L
(⇒S/N H177B-11463)**

ITEM	PART NO.	DESCRIPTION	QTY
49	1337789	Lock.....	1
50	1334998	Connector.....	1
51	1330297	Secondary Lock.....	1
52	1327959	Connector.....	1
53	1329148	Terminal.....	5
54	1329147	Seal	1
55	1354204	Terminal.....	2

FOOTNOTES:**a** For item 16

[illegible]

WIRE HARNESS (Figure 4-33) GASOLINE ENGINE 3.0L (S/N H177B-11464⇒)



HP081323

WIRE HARNESS

GASOLINE ENGINE

3.0L

(S/N H177B-11464⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	b 2036706	Wire Harness.....	1
	c 2037993	Wire Harness.....	1
	d 2049780	Wire Harness.....	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1329152	Connector.....	1
6	1329151	Lock.....	2
7	1330299	Connector.....	1
8	1323579	Seal	18
9	1336173	Terminal Socket.....	1
10	1330298	Connector.....	2
11	1334999	Pin	3
12	1347210	Connector.....	1
13	1330357	Secondary Lock.....	1
14	1330355	Terminal.....	7
15	1330356	Seal	7
16	1376617	Plug	1
17	1350218	Relief (LH)	1
18	1350219	Relief (RH) (RH)	1
19	1350220	Connector.....	2
20	1350221	Seal	2
21	1350222	Cap (Clear).....	1
22	1350223	Cap (Black).....	1
23	1376619	Secondary Lock.....	1
24	1327958	Housing	1
25	1323578	Pin	6
26	1330283	Terminal.....	6
27	c 1330281	Terminal.....	3
27	d 1375797	Terminal.....	5
28	a 1376618	Receptacle	1
29	1330292	Connector.....	5
30	1336171	Terminal.....	2
31	1351139	Cavity Plug	16
32	c 1330296	Terminal.....	4
32	d 1323576	Terminal.....	6
33	1323586	Connector.....	1
34	c 1330302	Connector.....	1
34	d 1461744	Connector Body.....	1
35	1330303	Secondary Lock.....	1
36	1330304	Terminal.....	3
37	1337386	Seal	3
38	1352104	Terminal.....	13
39	1352105	Plug	36
40	1368073	Terminal.....	15
41	1327164	Plug	2
42	1352142	Terminal.....	4
43	1327957	Connector.....	1

WIRE HARNESS GASOLINE ENGINE 3.0L (S/N H177B-11464⇒)

ITEM	PART NO.	DESCRIPTION	QTY
44	1354237	Terminal.....	5
45	1323575	Connector.....	2
46	1356501	Grommet	1
47	b 1327960	Connector.....	1
47	c 1382128	Connector.....	1
48	c 1323576	Terminal.....	2
48	b 1330296	Terminal.....	2
49	1337789	Lock.....	1
50	1334998	Connector.....	1
51	1330297	Secondary Lock.....	1
52	1327959	Connector.....	1
53	1329148	Terminal.....	5
54	1329147	Seal	1
55	1354204	Terminal.....	2
56	245996	Connector Body.....	1
57	1301720	Connector Body.....	1
58	181045	Connector.....	1
59	1377860	Connector.....	1
60	277446	Connector.....	1
61	c 1465469	Connector.....	1

FOOTNOTES:

a For Item 16

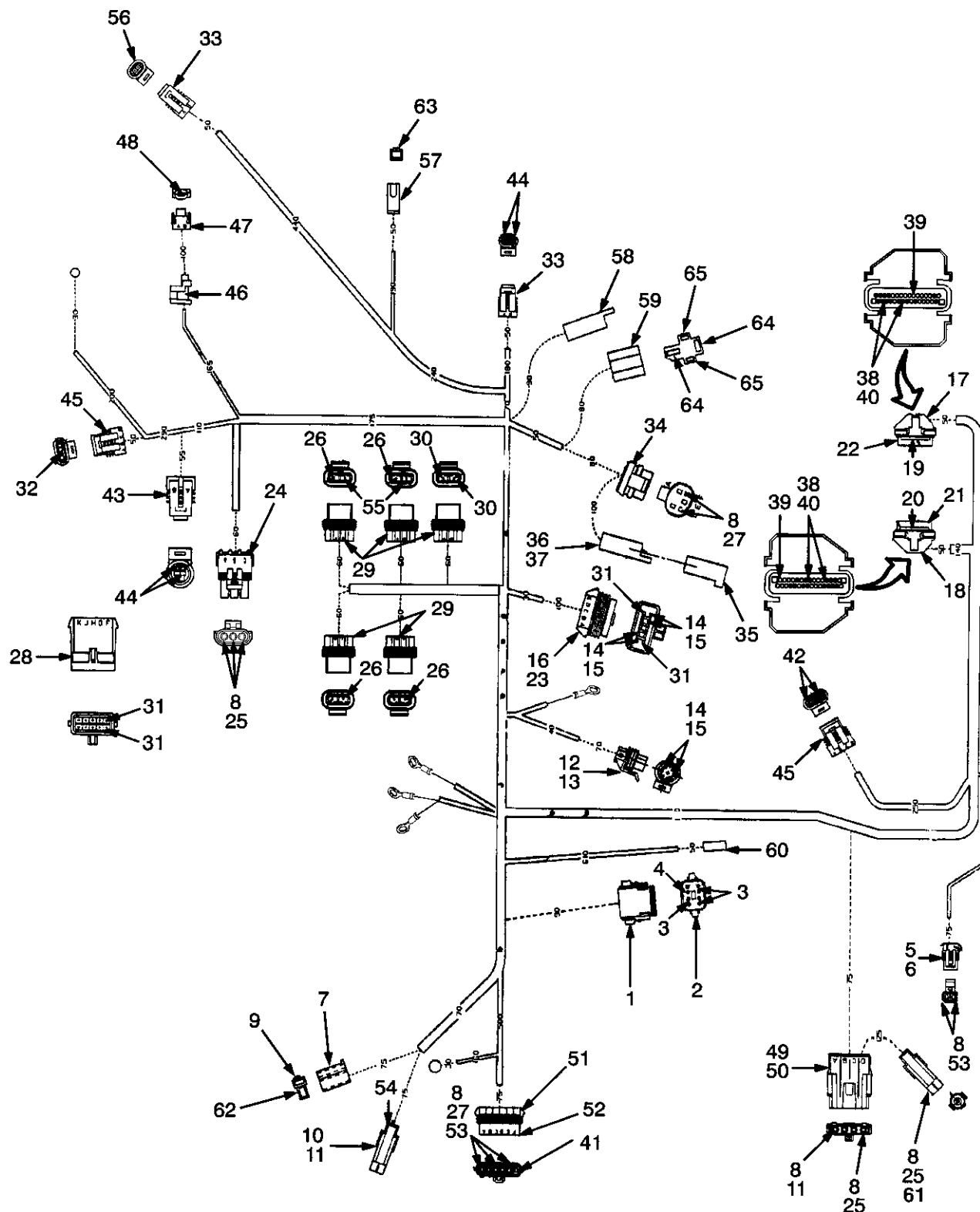
b ⇒ S/N H177B-14250W

c S/N H177B-14250W⇔S/N H177B-35383Z

d S/N H177B-35383Z ⇒

[illegible]

WIRE HARNESS (Figure 4-34) ENGINE, GASOLINE AND LPG, 3.0L NON-EPA COMPLIANT



HP081407

WIRE HARNESS

ENGINE, GASOLINE AND LPG, 3.0L

NON-EPA COMPLIANT

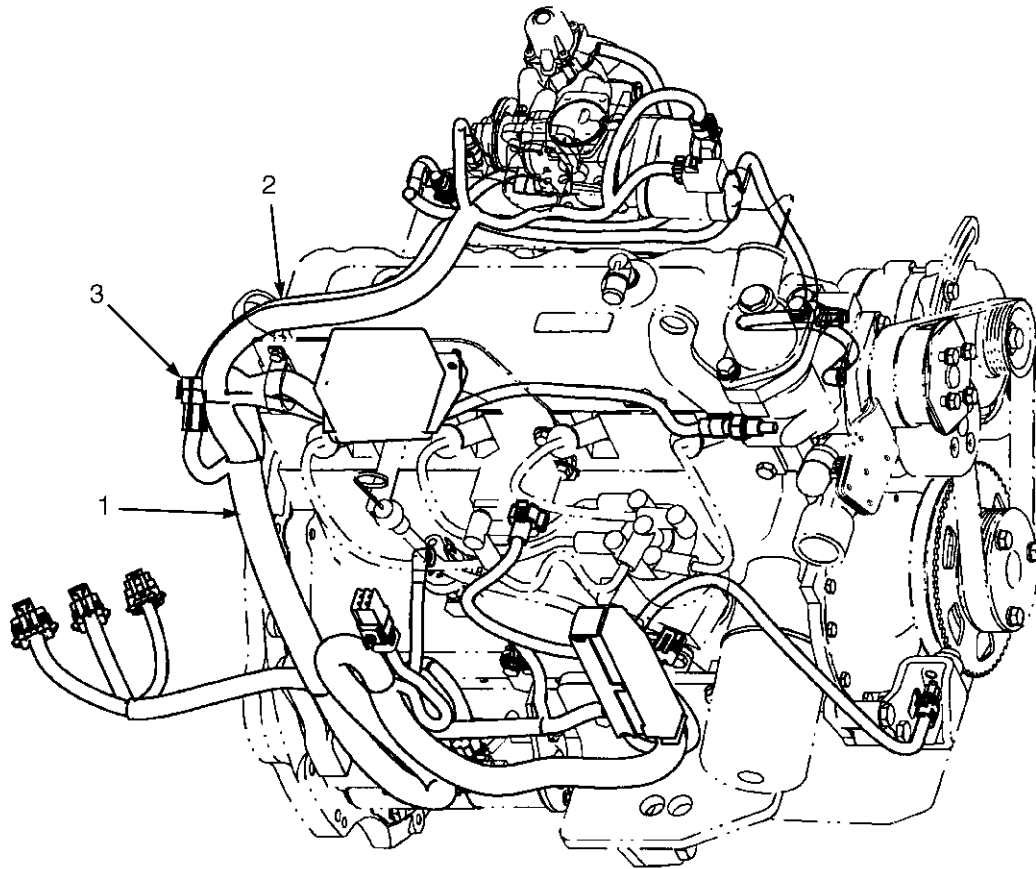
ITEM	PART NO.	DESCRIPTION	QTY
	2060449	Wire Harness (Engine)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1329152	Connector.....	1
6	1329151	Lock.....	2
7	181048	Connector.....	1
8	1323579	Seal	21
9	134812	Blade	1
10	1330298	Connector.....	1
11	1334999	Pin	3
12	1347210	Connector.....	1
13	1330357	Secondary Lock.....	1
14	1330355	Terminal.....	8
15	1330356	Seal	8
16	1376617	Plug	1
17	1350218	Relief (LH)	1
18	1350219	Relief (RH).....	1
19	1350220	Connector.....	2
20	1350221	Seal	2
21	1350222	Cap (Clear).....	1
22	1350223	Cap (Black).....	1
23	1376619	Secondary Lock.....	1
24	1327958	Housing	1
25	1323578	Pin	7
26	1330283	Terminal.....	5
27	1375797	Terminal.....	5
28	1376618	Receptacle	1
29	1330292	Connector.....	5
30	1336171	Terminal.....	2
31	1351139	Cavity Plug	15
32	1323576	Terminal.....	6
33	1323586	Connector.....	2
34	1461744	Connector Body.....	1
35	181046	Connector.....	1
36	181045	Connector.....	2
37	134810	Blade	2
38	1352104	Terminal.....	12
39	1352105	Plug	38
40	1368073	Terminal.....	14
41	1327164	Plug	1
42	1352142	Terminal.....	4
43	1327957	Connector.....	1
44	1354237	Terminal.....	5
45	1323575	Connector.....	2
46	1356501	Grommet	1
47	1382128	Connector.....	1
48	1323576	Terminal.....	2
49	1337789	Lock.....	1

**WIRE HARNESS
ENGINE, GASOLINE AND LPG, 3.0L
NON-EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
50	1334998	Connector.....	1
51	1330297	Secondary Lock.....	1
52	1327959	Connector.....	1
53	1329148	Terminal.....	6
54	1329147	Seal	1
55	1354204	Terminal.....	3
56	236900	Terminal.....	2
57	1301720	Connector Body.....	1
58	181045	Connector.....	1
59	1377860	Connector.....	1
60	277446	Connector.....	1
61	1465469	Connector.....	1
62	141462	Blade	1
63	370730	Blade	1
64	1377868	Receptacle	2
65	1331233	Blade	2

[illegible]

WIRE HARNESS (Figure 4-35)
MAIN ENGINE, GASOLINE AND LPG
3.0L EPA COMPLIANT

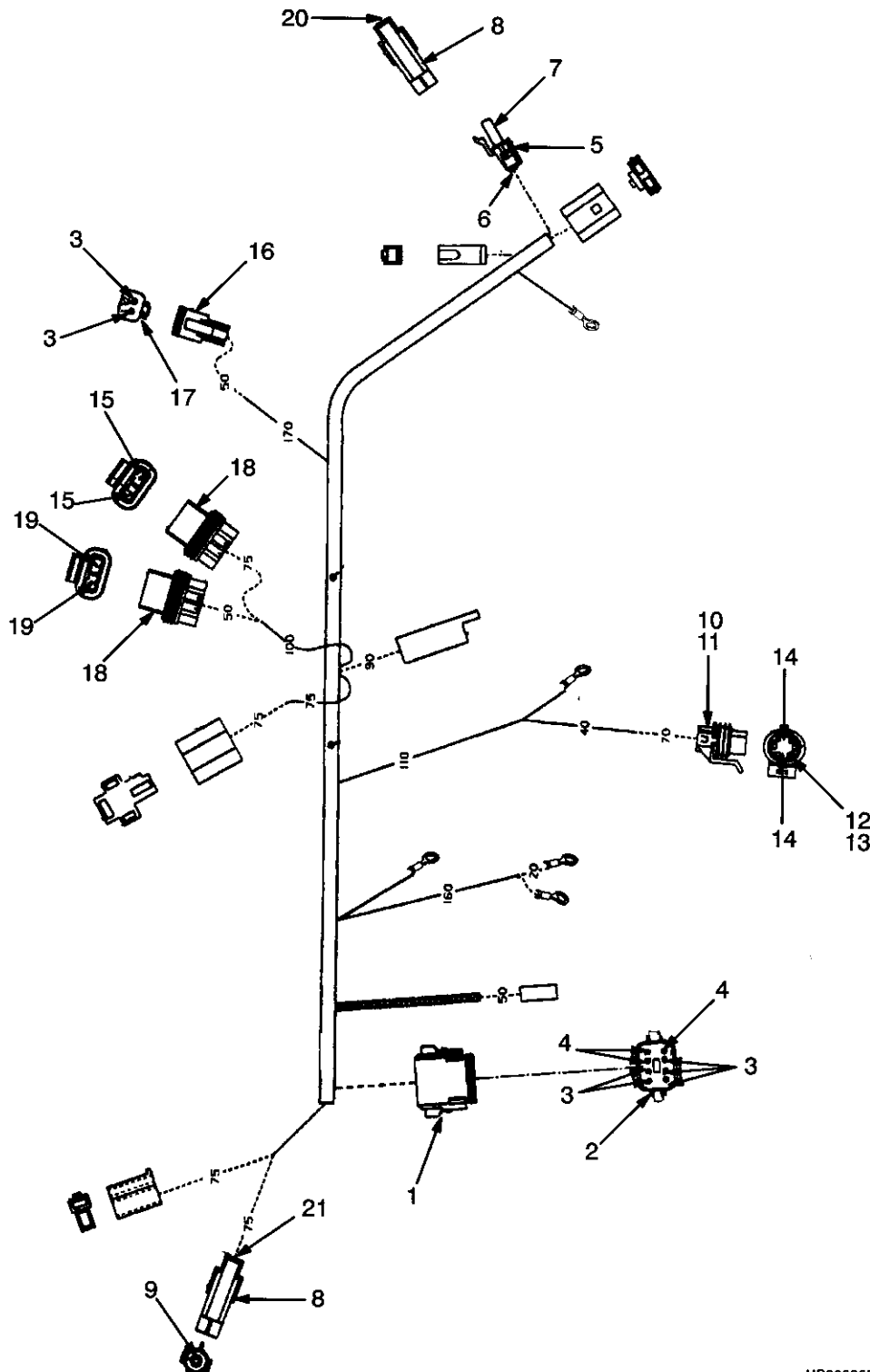


BP080197

**WIRE HARNESS
MAIN ENGINE, GASOLINE AND LPG
3.0L EPA COMPLIANT**

ITEM	PART NO.	DESCRIPTION	QTY
1	2068094	Wire Harness (Main Engine)	1
2	2068095	Wire Harness (Gas Jumper)	1
3	2068096	Wire Harness (LPG Jumper)	1

WIRE HARNESS (Figure 4-36) ENGINE WITHOUT MSTs LPG 3.0L (⇒S/N H177B-30073Y)

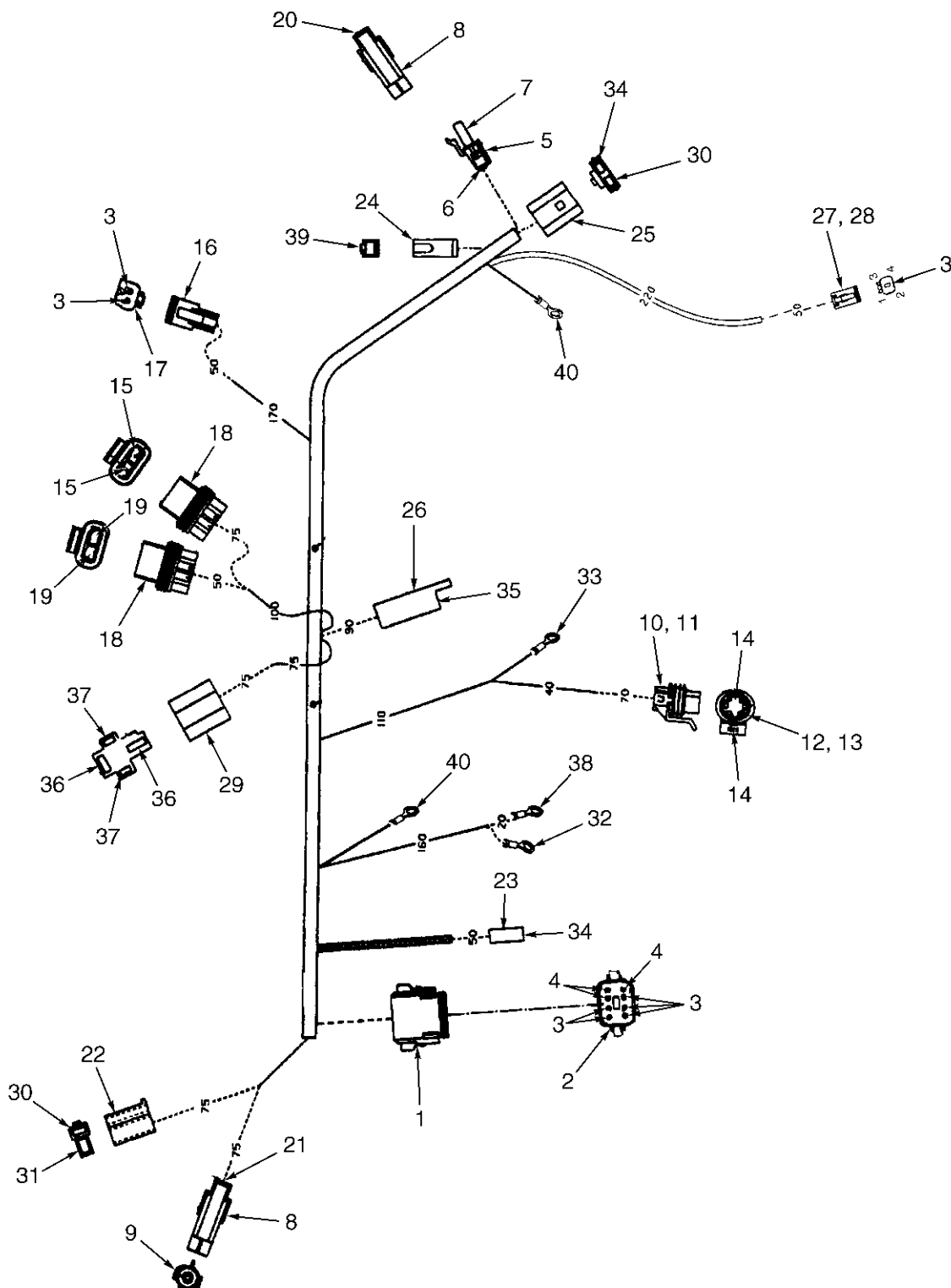


HP080962

**WIRE HARNESS
ENGINE WITHOUT MSTs
LPG 3.0L
(⇒S/N H177B-30073Y)**

ITEM	PART NO.	DESCRIPTION	QTY
	1383401	Wire Harness (LPG Engine)	1
1	1330423	Connector	1
2	1330429	Lock	1
3	1330438	Socket	7
4	1330439	Plug	3
5	1330299	Connector	1
6	1323579	Seal	1
7	1336173	Terminal Socket	1
8	1330298	Connector	2
9	1334999	Pin	1
10	1347210	Connector	1
11	1330357	Secondary Lock	1
12	1330355	Terminal	1
13	1330356	Seal	1
14	1323581	Plug	2
15	1330283	Terminal	2
16	1330419	Connector	1
17	1330424	Secondary Lock	1
18	1330292	Connector	2
19	1336171	Terminal	2
20	1327164	Plug	1
21	1329147	Seal	1

WIRE HARNESS (Figure 4-37) ENGINE WITHOUT MSTs LPG 3.0L, GM, WITHOUT LOW EMISSIONS (S/N H177B-30074Y⇒)

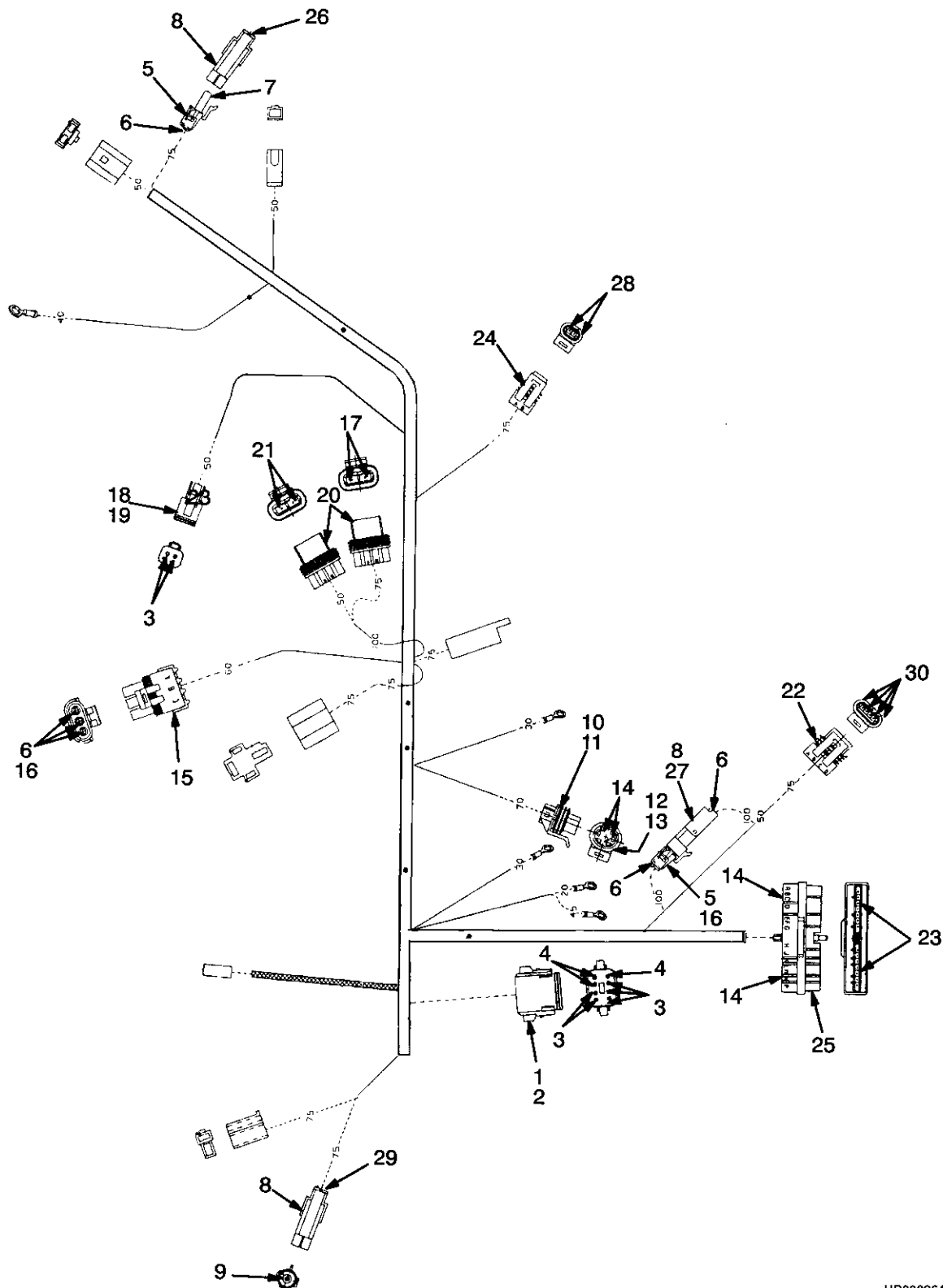


HP081395

**WIRE HARNESS
ENGINE WITHOUT MSTs
LPG 3.0L, GM, WITHOUT LOW EMISSIONS
(S/N H177B-30074Y⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	1483465	Wire Harness (LPG Engine)	1
1	1330423	Connector	1
2	1330429	Lock	1
3	1330438	Socket	11
4	1330439	Plug	3
5	1330299	Connector	1
6	1323579	Seal	1
7	1336173	Terminal Socket	1
8	1330298	Connector	2
9	1334999	Pin	1
10	1347210	Connector	1
11	1330357	Secondary Lock	1
12	1330355	Terminal	1
13	1330356	Seal	1
14	1323581	Plug	2
15	1330283	Terminal	2
16	1330419	Connector	1
17	1330424	Secondary Lock	1
18	1330292	Connector	2
19	1336171	Terminal	2
20	1327164	Plug	1
21	1329147	Seal	1
22	181048	Connector	1
23	277446	Connector	1
24	1301720	Connector Body	1
25	245996	Connector Body	1
26	181045	Connector	1
27	1330421	Connector	1
28	1330427	Secondary Lock	1
29	1377860	Connector	1
30	134812	Blade	2
31	141462	Blade	1
32	148610	Ring	1
33	1301783	Ring	1
34	236900	Terminal	2
35	256674	Terminal	1
36	1377868	Receptacle	2
37	1331233	Blade	2
38	1380745	Ring	1
39	370730	Blade	1
40	1380744	Ring	2

WIRE HARNESS (Figure 4-38) ENGINE WITH MSTs LPG 3.0L (⇒D/B 06/1998)

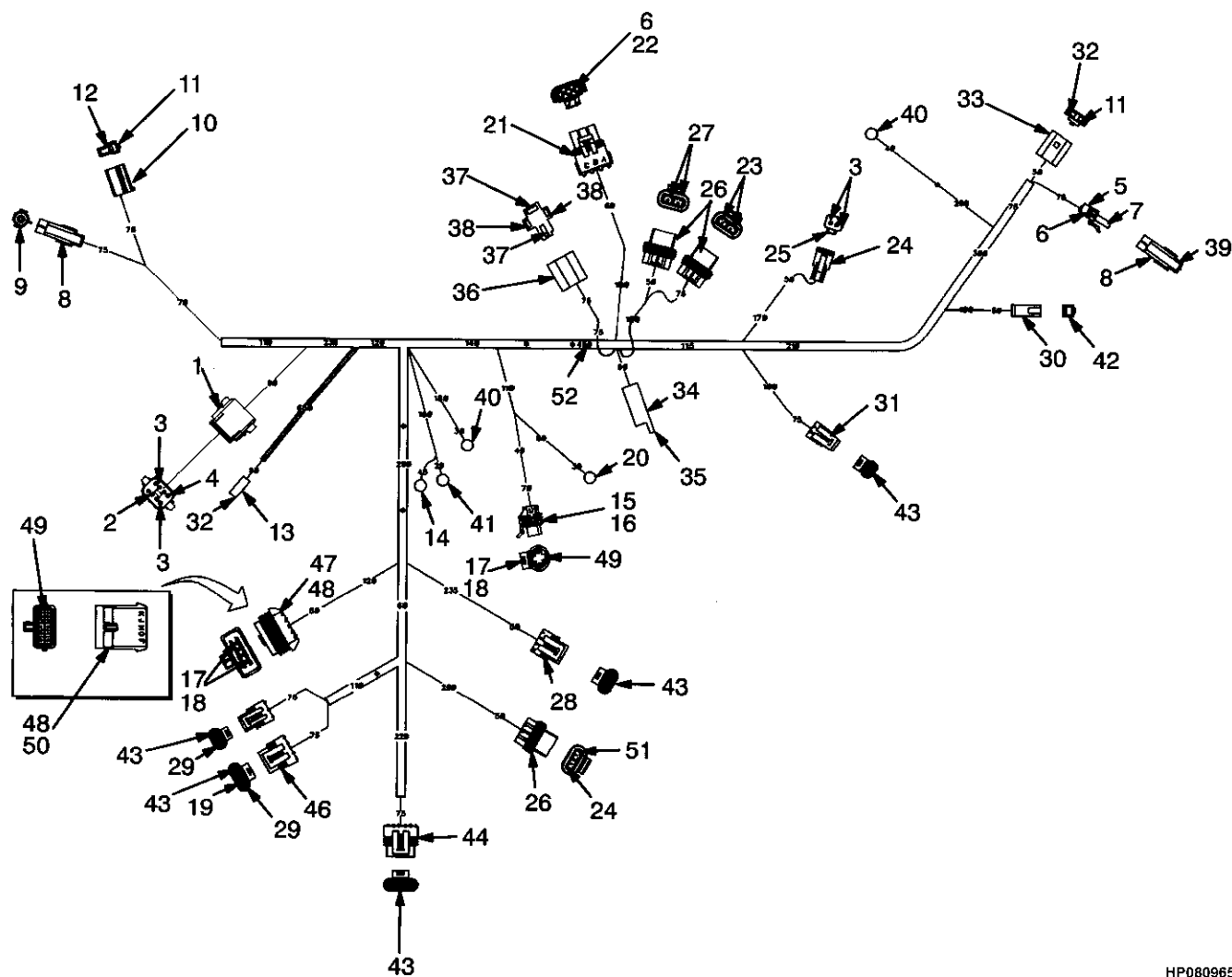


HP080964

**WIRE HARNESS
ENGINE WITH MSTs
LPG 3.0L
(⇒D/B 06/1998)**

ITEM	PART NO.	DESCRIPTION	QTY
	1383421	Wire Harness (LPG Engine) (With MSTs)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	7
4	1330439	Plug	3
5	1330299	Connector.....	2
6	1323579	Seal	6
7	1336173	Terminal Socket.....	1
8	1330298	Connector.....	3
9	1334999	Pin	1
10	1347210	Connector.....	1
11	1330357	Secondary Lock.....	1
12	1330355	Terminal.....	1
13	1330356	Seal	1
14	1323581	Plug	6
15	1327958	Housing	1
16	1323578	Pin	4
17	1330283	Terminal.....	2
18	1330419	Connector.....	1
19	1330424	Secondary Lock.....	1
20	1330292	Connector.....	2
21	1336171	Terminal.....	2
22	1323575	Connector.....	1
23	1323576	Terminal.....	10
24	1323586	Connector.....	1
25	1323580	Connector.....	1
26	1327164	Plug	1
27	1323583	Terminal Socket.....	1
28	1354237	Terminal.....	2
29	1329147	Seal	1
30	1352142	Terminal.....	4
30	1354237	Terminal (Optional)	4

WIRE HARNESS (Figure 4-39) ENGINE WITH MSTs LPG 3.0L, WITHOUT LOW EMISSIONS (D/B 06/1998⇒)



HP080965

**WIRE HARNESS
ENGINE WITH MSTs
LPG 3.0L, WITHOUT LOW EMISSIONS
(D/B 06/1998⇒)**

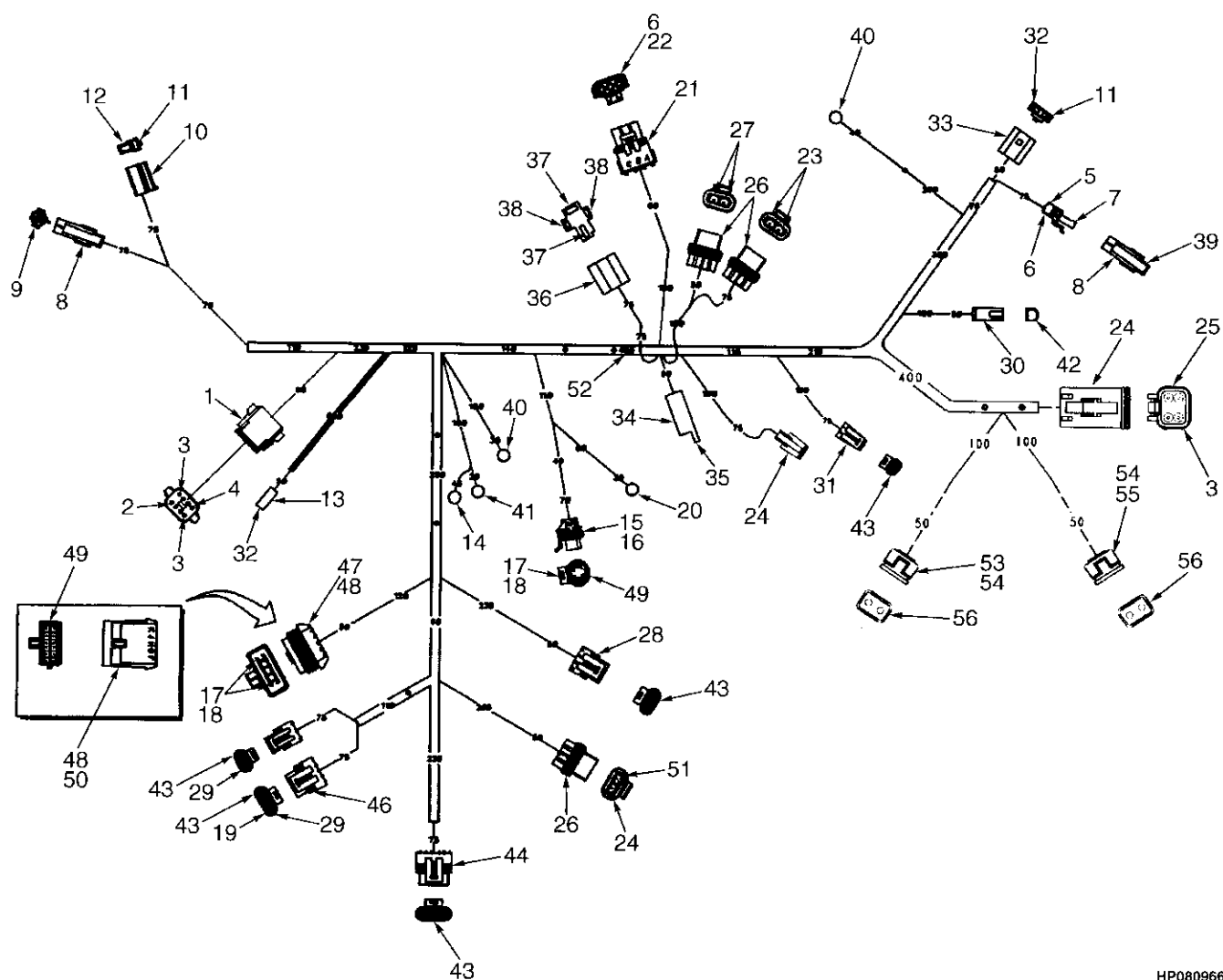
ITEM	PART NO.	DESCRIPTION	QTY
	2035711	Wire Harness (LPG Engine) (With MSTs)	1
1	1330423	Connector (Cluster Harness)	1
2	1330429	Lock.....	1
3	1330438	Socket	7
4	1330439	Plug	3
5	1330299	Connector (Alternator S Type).....	2
6	1323579	Seal	6
7	1336173	Terminal Socket.....	1
8	1330298	Connector (To Cowl Harness)	3
9	1334999	Pin	1
10	181048	Connector (To Cluster Power Harness).....	1
11	134812	Blade	1
12	141462	Blade	1
13	277446	Connector (Transmission Temperature Sender).....	1
14	148610	Ring.....	1
15	1347210	Connector (Oil Pressure Switch)	1
16	1330357	Secondary Lock.....	1
17	1330355	Terminal.....	6
18	1330356	Seal	6
19	1323581	Plug	1
20	1301783	Ring.....	1
21	1327958	Housing (MAP Sensor).....	1
22	1323578	Pin	3
23	1330283	Terminal.....	3
24	1330419	Connector (LPG Shutoff Solenoid Valve)	1
25	1330424	Secondary Lock.....	1
26	1330292	Connector (Fuses).....	3
27	1336171	Terminal.....	2
28	1323575	Connector (Distributor)	1
29	1323576	Terminal.....	3
30	1301720	Connector Body (Water Temperature Sender Gauge)	1
31	1323586	Connector (Water Temperature Sender MSTs)	1
32	236900	Terminal.....	2
33	245996	Connector Body (Alternator)	1
34	181045	Connector (Coil)	1
35	256674	Terminal.....	1
36	1377860	Connector (Starter Relay)	1
37	1377868	Receptacle	2
38	1331233	Blade	2
39	1327164	Plug	1
40	1380744	Ring.....	2
41	1380745	Ring.....	1
42	370730	Blade	1
43	1354237	Terminal.....	15
44	1459270	Connector (6 Pin MSTs)	1
45	1459168	Connector (3 Pin MSTs)	1
46	1459167	Connector (5 Pin MSTs)	1
47	1376617	Plug	1
48	1376619	Secondary Lock.....	2

**WIRE HARNESS
ENGINE WITH MSTs
LPG 3.0L, WITHOUT LOW EMISSIONS
(D/B 06/1998⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
49	1351139	Cavity Plug	17
50	1376618	Receptacle (Diagnostic Connector).....	1
51	1354204	Terminal.....	1
52	222523	Heat Shrink Tube.....	AR

[illegible]

WIRE HARNESS (Figure 4-40) ENGINE WITH MSTs LPG 3.0L, WITH LOW EMISSIONS (S/N H177B-30074Y↔D/B 08/2002)



HP080966

**WIRE HARNESS
ENGINE WITH MSTs
LPG 3.0L, WITH LOW EMISSIONS
(S/N H177B-30074Y↔D/B 08/2002)**

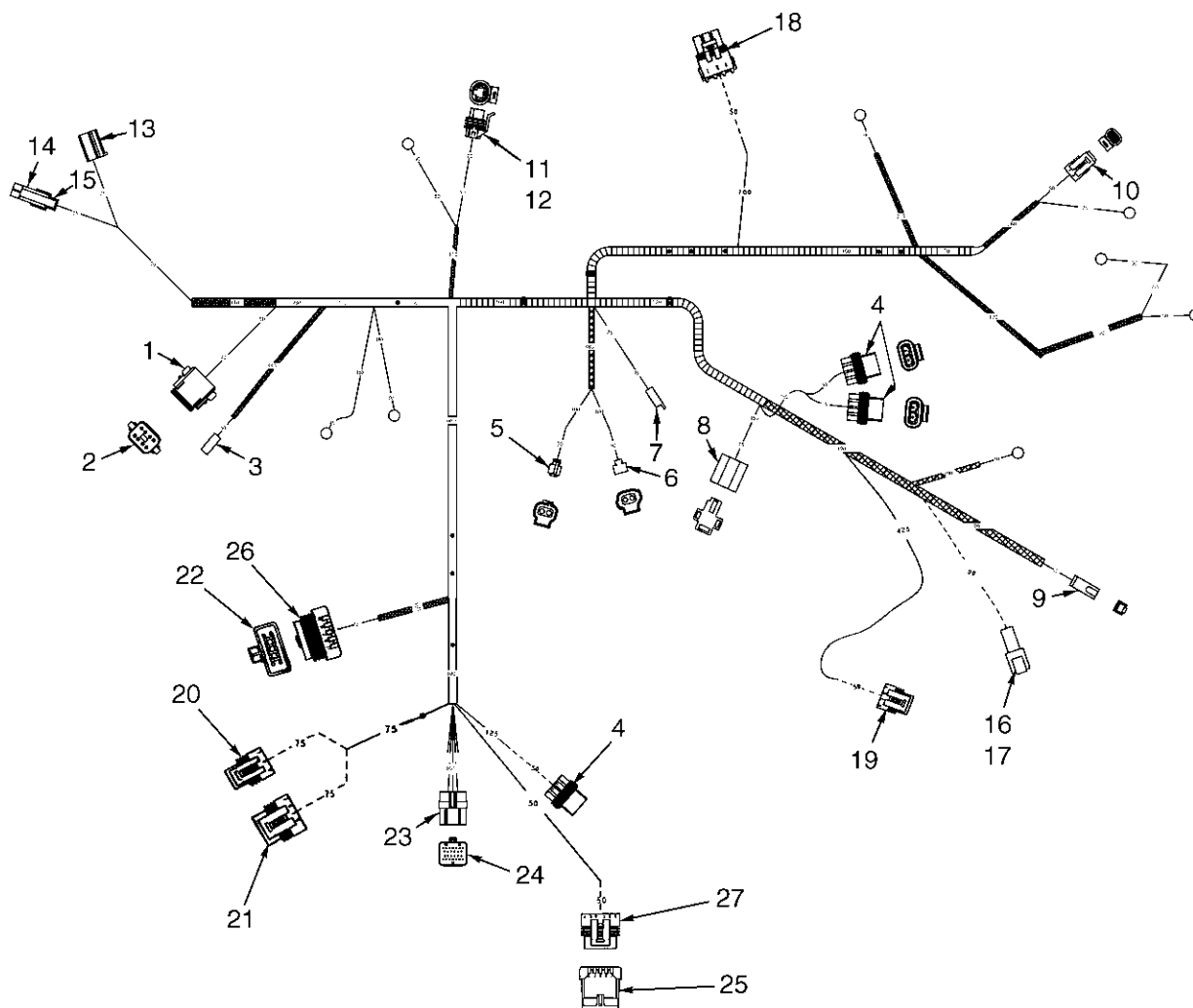
ITEM	PART NO.	DESCRIPTION	QTY
	1476727	Wire Harness (LPG Engine) (With MSTs)	1
1	1330423	Connector (Cluster Harness)	1
2	1330429	Lock.....	1
3	1330438	Socket	10
4	1330439	Plug	2
5	1330299	Connector (Alternator S Type).....	2
6	1323579	Seal	4
7	1336173	Terminal Socket.....	1
8	1330298	Connector (To Cowl Harness)	2
9	1334999	Pin	1
10	181048	Connector (To Cluster Power Harness).....	1
11	134812	Blade	3
12	141462	Blade	1
13	277446	Connector (Transmission Temperature Sender).....	1
14	148610	Ring.....	1
15	1347210	Connector (Oil Pressure Switch)	1
16	1330357	Secondary Lock.....	1
17	1330355	Terminal.....	6
18	1330356	Seal	6
19	1323581	Plug	2
20	1301783	Ring.....	1
21	1327958	Housing (MAP Sensor).....	1
22	1323578	Pin	3
23	1330283	Terminal.....	3
24	1330421	Connector (LPG Shutoff Solenoid Valve)	1
25	1330427	Secondary Lock.....	1
26	1330292	Connector (Fuses).....	3
27	1336171	Terminal.....	2
28	1323575	Connector (Distributor)	1
29	1323576	Terminal.....	3
30	1301720	Connector Body (Water Temperature Sender Gauge)	1
31	1323586	Connector (Water Temperature Sender MSTs)	1
32	236900	Terminal.....	2
33	245996	Connector Body (Alternator)	1
34	181045	Connector (Coil)	1
35	256674	Terminal.....	1
36	1377860	Connector (Starter Relay)	1
37	1377868	Receptacle	2
38	1331233	Blade	2
39	1327164	Plug	1
40	1380744	Ring.....	2
41	1380745	Ring.....	1
42	370730	Blade	1
43	1354237	Terminal.....	15
44	1459270	Connector (6 Pin MSTs)	1
45	1459168	Connector (3 Pin MSTs)	1
46	1459167	Connector (5 Pin MSTs)	1
47	1376617	Plug	1
48	1376619	Secondary Lock.....	2

**WIRE HARNESS
ENGINE WITH MSTs
LPG 3.0L, WITH LOW EMISSIONS
(S/N H177B-30074Y↔D/B 08/2002)**

ITEM	PART NO.	DESCRIPTION	QTY
49	1351139	Cavity Plug	17
50	1376618	Receptacle (Diagnostic Connector).....	1
51	1354204	Terminal.....	1
52	222523	Heat Shrink Tube.....	AR
53	1474763	Connector.....	1
54	1476599	Seal	4
55	1476764	Connector.....	1
56	1476398	Lock.....	4

[illegible]

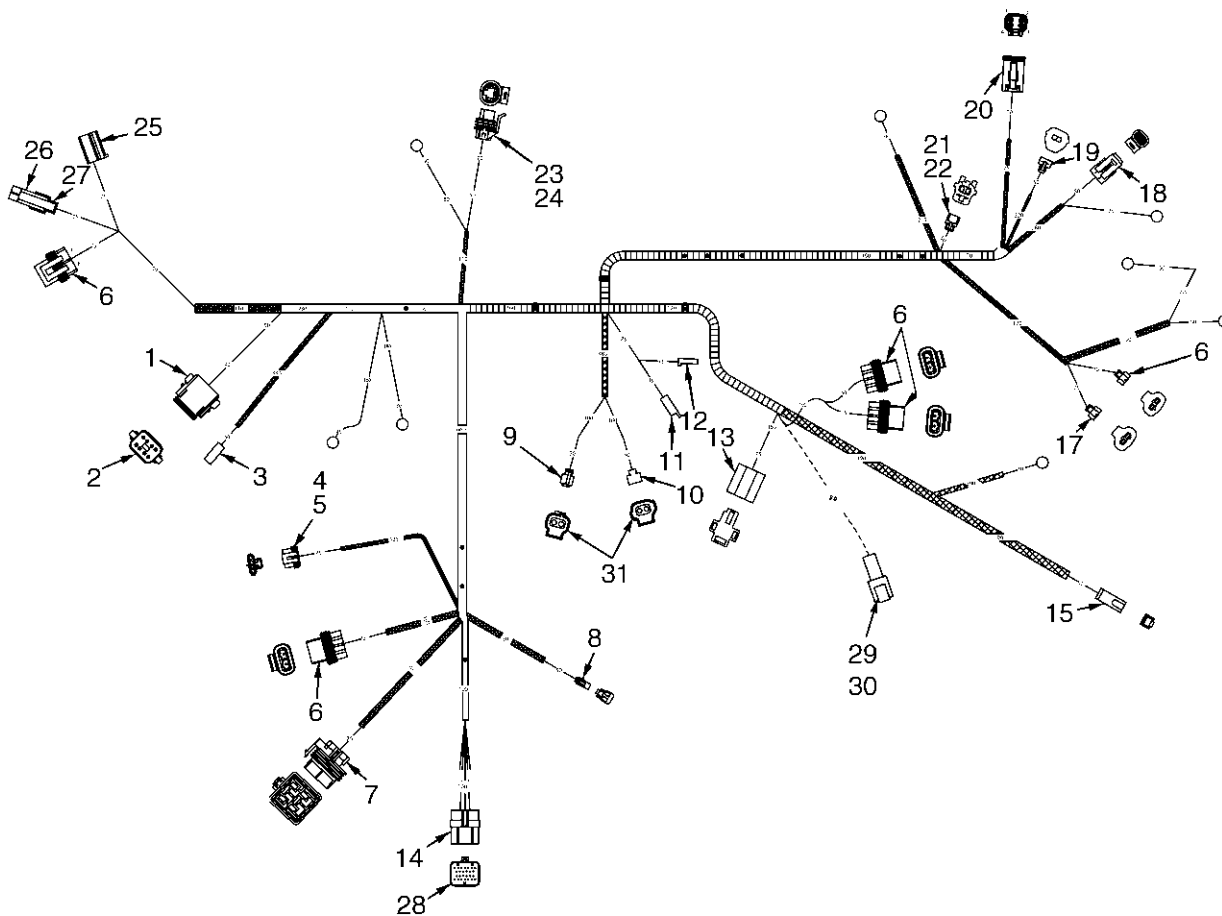
WIRE HARNESS (Figure 4-41) ENGINE WITH MSTs 3.0L, WITH LOW EMISSIONS (D/B 08/2002⇒)



**WIRE HARNESS
ENGINE WITH MSTs
3.0L, WITH LOW EMISSIONS
(D/B 08/2002⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	2053671	Wire Harness.....	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	277446	Connector.....	1
4	1330292	Connector.....	4
5	1474763	Connector.....	1
6	1474764	Connector.....	1
7	181045	Connector.....	1
8	1377860	Connector.....	1
9	1301720	Connector Body.....	1
10	1323586	Connector.....	1
11	1347210	Connector.....	1
12	1330357	Secondary Lock.....	1
13	181048	Connector.....	1
14	1330298	Connector.....	1
15	1476599	Seal.....	4
16	1330409	Connector.....	1
17	1330414	Secondary Lock.....	1
18	1327958	Housing.....	1
19	1323575	Connector.....	1
20	1459168	Connector.....	1
21	1459167	Connector.....	1
22	1376619	Secondary Lock.....	1
23	1330422	Connector.....	1
24	1330428	Lock.....	1
25	1376618	Receptacle.....	1
26	1376617	Plug.....	1
27	1459270	Connector.....	1

WIRE HARNESS (Figure 4-42) ENGINE WITHOUT MSTs 3.0L, WITH CLOSED LOOP (S/N H177B-35698Z⇒)



BP080033

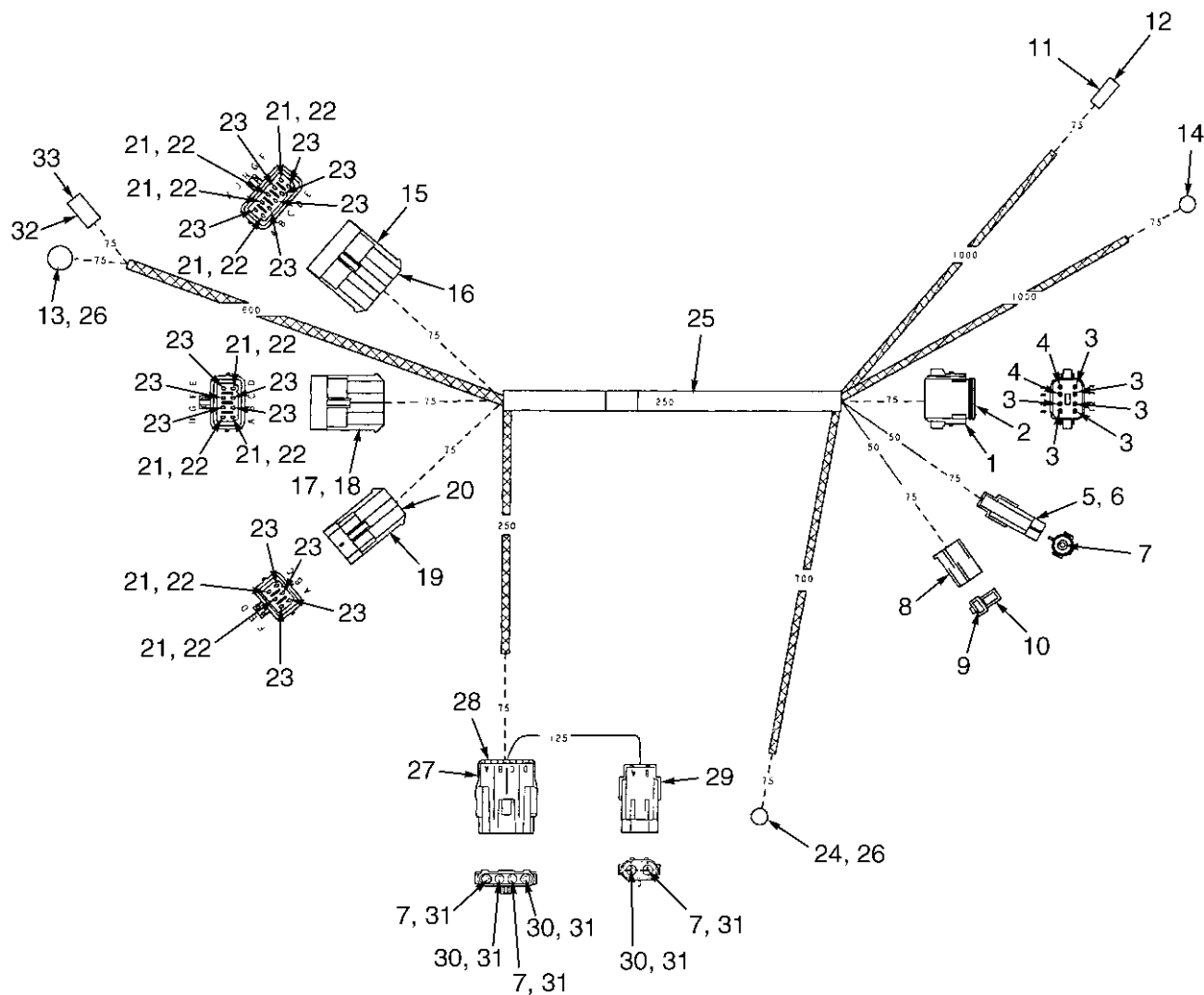
**WIRE HARNESS
ENGINE WITHOUT MSTs
3.0L, WITH CLOSED LOOP
(S/N H177B-35698Z⇒)**

KEY:**A: Without Control Switch****B: With Control Switch**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2048764	Wire Harness (Engine)	1	..
	a 2053670	Wire Harness	..	1
1	1330423	Connector	1	1
2	1330429	Lock	1	1
3	277446	Connector	1	1
4	1482667	Connector	1	..
5	1482663	Lock	1	..
6	1330292	Connector	4	4
7	1375795	Connector	1	..
8	1482657	Connector	1	..
9	1474763	Connector	1	1
10	1474764	Connector	1	1
11	181045	Connector	1	1
12	181046	Connector	1	..
13	1377860	Connector	1	1
14	1482648	Connector	1	..
14	a 1330422	Connector	..	1
15	1301720	Connector Body	1	1
16	1482660	Connector	1	..
17	1488776	Connector	1	..
18	1323586	Connector	1	1
19	1482654	Connector	1	..
20	1330421	Connector	1	..
21	1482651	Connector	1	..
22	1484154	Lock Plate	1	..
23	1347210	Connector	1	1
24	1330357	Secondary Lock	1	1
25	181048	Connector	1	1
26	1330298	Connector	1	1
27	1329147	Seal	5	..
28	a 1330428	Lock	..	1
29	a 1330409	Connector	..	1
30	a 1330414	Secondary Lock	..	1
31	a 1476599	Seal	..	4

FOOTNOTES:**a** D/B 08/2002 ⇒

WIRE HARNESS (Figure 4-43) INTERFACE, GASOLINE GM 3.0L, EPA COMPLIANT



HP081392

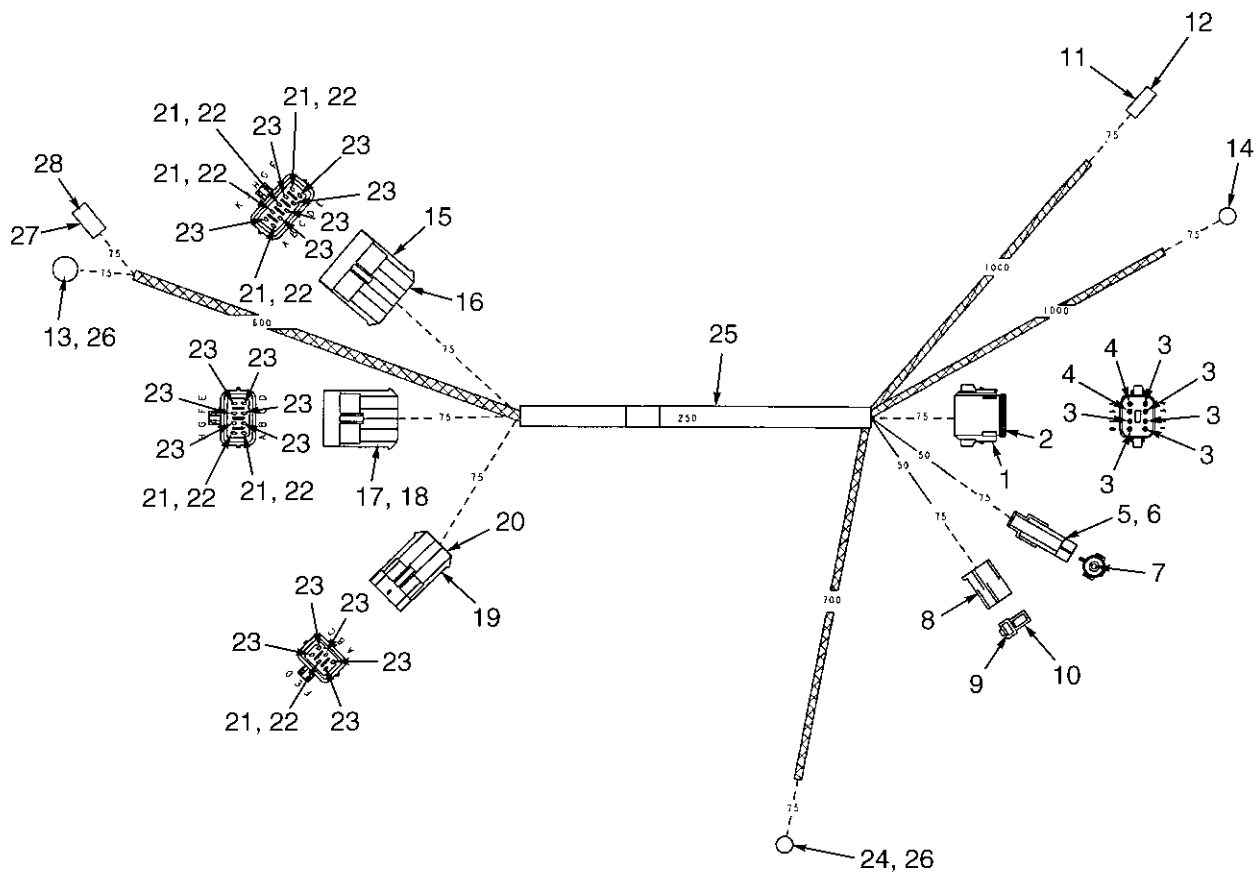
WIRE HARNESS

INTERFACE, GASOLINE

GM 3.0L, EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	2063067	Harness (Interface)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1329147	Seal	1
6	1330298	Connector.....	1
7	1334999	Pin	4
8	181048	Connector.....	1
9	134812	Blade	1
10	141462	Blade	1
11	277446	Connector.....	1
12	1553086	Blade	1
13	1402942	Ring Terminal	1
14	1380744	Ring.....	1
15	1498428	Housing (10 Way)	1
16	1402907	Lock.....	1
17	1541607	Connector.....	1
18	1541608	Lock.....	1
19	1541609	Connector.....	1
20	930591	Lock.....	1
21	1482666	Terminal (Male)	9
22	1330356	Seal	9
23	930590	Plug	15
24	1519025	Terminal.....	1
25	275496	Conduit.....	AR
26	190383	Boot.....	2
27	1334998	Connector.....	1
28	1337789	Lock.....	1
29	1465469	Connector.....	1
30	1323578	Pin	3
31	1323579	Seal	6
32	181046	Connector.....	1
33	1337822	Blade	1

WIRE HARNESS (Figure 4-44) INTERFACE, LPG GM 3.0L, EPA COMPLIANT

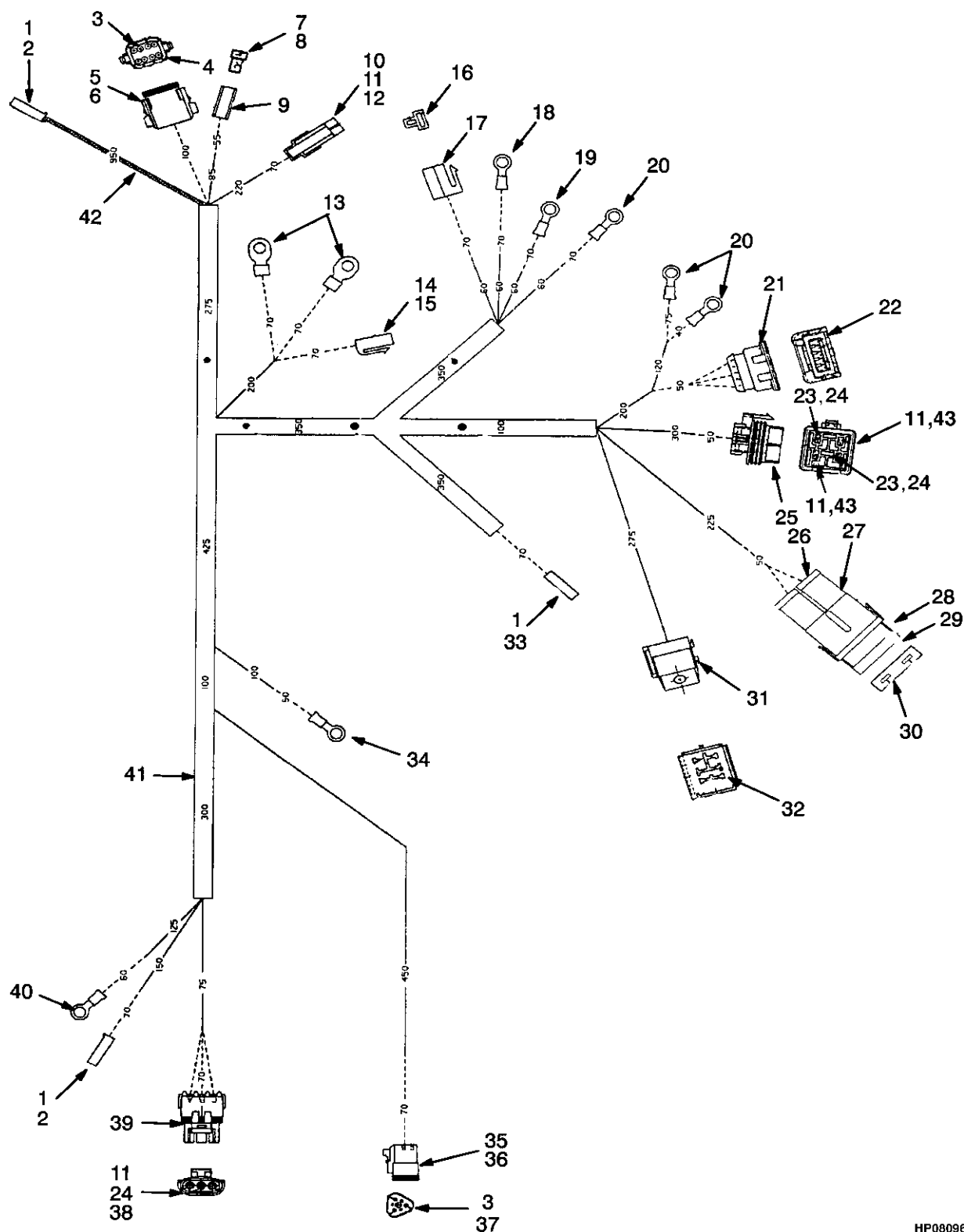


HP081393

WIRE HARNESS INTERFACE, LPG GM 3.0L, EPA COMPLIANT

ITEM	PART NO.	DESCRIPTION	QTY
	2063066	Harness (Interface)	1
1	1330423	Connector.....	1
2	1330429	Lock.....	1
3	1330438	Socket	6
4	1330439	Plug	2
5	1329147	Seal	1
6	1330298	Connector.....	1
7	1323578	Pin	1
8	181048	Connector.....	1
9	134812	Blade	1
10	141462	Blade	1
11	277446	Connector.....	1
12	1553086	Blade	1
13	1402942	Ring Terminal	1
14	1380744	Ring.....	1
15	1498428	Housing	1
16	1402907	Lock.....	1
17	1541607	Connector.....	1
18	1541608	Lock.....	1
19	1541609	Connector.....	1
20	930591	Lock.....	1
21	1482666	Terminal (Male)	7
22	1330356	Seal	7
23	930590	Plug	17
24	1519025	Terminal.....	1
25	275496	Conduit.....	AR
26	190383	Boot.....	2
27	181046	Connector.....	1
28	1337822	Blade	1

WIRE HARNESS (Figure 4-45) ENGINE DIESEL 2.6L (⇒S/N H177B-19415)



HP080967

**WIRE HARNESS
ENGINE
DIESEL 2.6L
(⇒S/N H177B-19415)**

ITEM	PART NO.	DESCRIPTION	QTY
	1396259	Wire Harness (Engine)	1
1	370730	Blade	3
2	181046	Connector	2
3	1330438	Socket	8
4	1330439	Plug	1
5	1330429	Lock	1
6	1330423	Connector	1
7	134812	Blade	1
8	141462	Blade	1
9	181048	Connector	1
10	1334999	Pin	1
11	1329147	Seal	5
12	1330298	Connector	1
13	148615	Terminal	2
14	1324312	Connector	1
15	1324311	Connector	1
16	314775	Terminal	2
17	1308259	Connector Body	1
18	252293	Ring	1
19	129894	Terminal	1
20	129888	Terminal	3
21	1454663	Connector	1
22	1378671	Socket	4
23	1375797	Terminal	2
24	1323579	Seal	3
25	1375795	Connector	1
26	1454827	Seal	2
27	1454860	Connector	1
28	1454829	Fuse (60 Amp)	1
29	1454862	Cover	1
30	1454828	Terminal	2
31	1347224	Relay Socket	1
32	1331233	Blade	4
33	1301720	Connector Body	1
34	148609	Fitting	1
35	1330420	Connector	1
36	1330426	Secondary Lock	1
37	1363886	Socket	2
38	1336173	Terminal Socket	3
39	1323577	Connector	1
40	1301783	Ring	1
41	381919	Conduit	AR
42	16906	Conduit (900 mm)	1
43	1375796	Terminal	2

**WIRE HARNESS
ENGINE
DIESEL 2.6L
(S/N H177B-19416X↔S/N H177B-34913Z)**

KEY:**A: 1485873****B: 1496740**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a 1496740	Wire Harness (Engine)	..	1
	b 1485873	Wire Harness (Engine)	1	..
1	1330423	Connector	1	1
2	1330438	Socket	8	8
3	181048	Connector	1	1
4	370730	Blade	3	3
5	1330298	Connector	1	1
6	1334999	Pin	1	1
7	1329147	Seal	3	1
8	1363886	Socket	2	2
9	1330420	Connector	1	1
10	181046	Connector	2	2
11	1301783	Ring	1	1
12	129894	Terminal	1	1
13	148615	Terminal	2	2
14	1330426	Secondary Lock	1	1
15	148609	Fitting	1	1
16	1324311	Connector	1	1
17	1324312	Connector	1	1
18	1454663	Connector	1	1
19	1378671	Socket	4	4
20	1377868	Receptacle	2	2
21	252293	Ring	1	1
22	1301720	Connector Body	1	1
23	1308259	Connector Body	1	1
24	314775	Terminal	2	2
25	129888	Terminal	3	3
26	134812	Blade	1	1
27	1330439	Plug	1	1
28	1330429	Lock	1	1
29	141462	Blade	1	1
30	1323579	Seal	1	..
30	1337386	Seal	..	3
31	1377860	Connector	1	1
32	381919	Conduit	AR	AR
33	16906	Conduit	AR	AR
34	1323577	Connector	1	..
34	1337389	Connector	..	1
35	1336173	Terminal Socket	3	..
35	1337390	Terminal	..	3
36	1454860	Connector	1	1
37	1454862	Cover	1	1
38	1454829	Fuse (60 Amp)	1	1
39	1454828	Terminal	2	2

**WIRE HARNESS
ENGINE
DIESEL 2.6L
(S/N H177B-19416X⇔S/N H177B-34913Z)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
40	1454827	Seal	2	2
41	1347224	Relay Socket	1	1
42	1331233	Blade	6	6
43	1337384	Secondary Lock.....	..	1
44	129886	Terminal.....	..	1

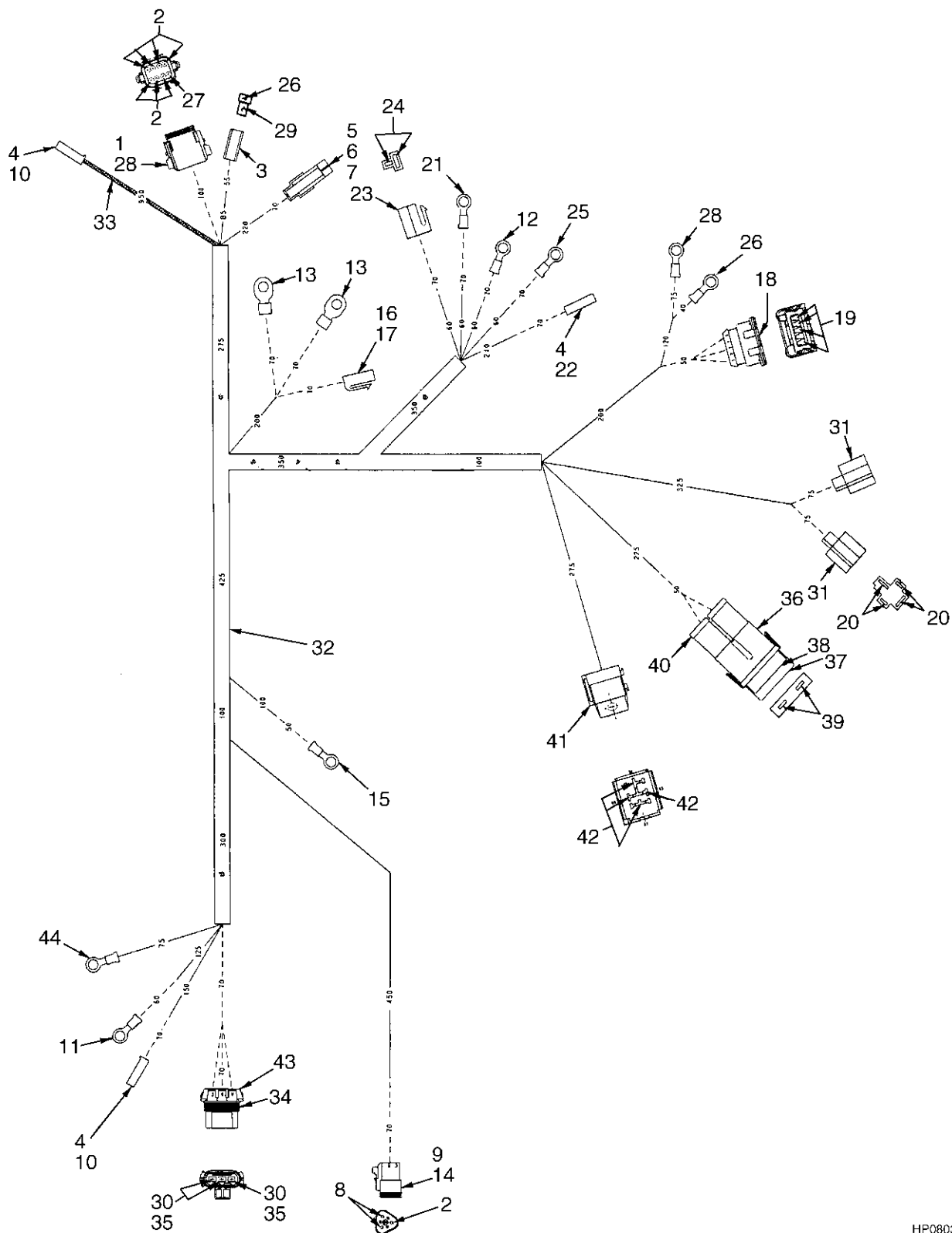
FOOTNOTES:

a S/N H177B-19416X⇔S/N H177B-29209Y

b S/N H177B-29210Y ⇒

[illegible]

WIRE HARNESS (Figure 4-47) ENGINE DIESEL 2.6L (S/N H177B-34914Z⇒)

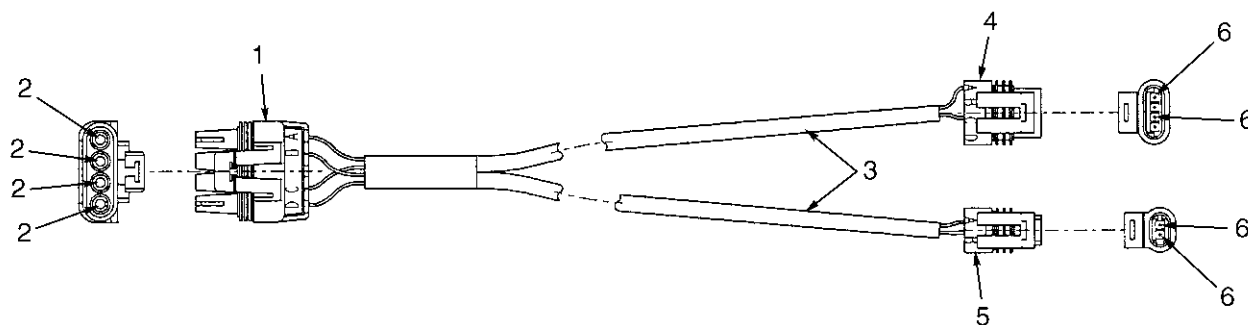


HP080357

**WIRE HARNESS
ENGINE
DIESEL 2.6L
(S/N H177B-34914Z⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	1514911	Wire Harness (Engine)	1
1	1330423	Connector	1
2	1330438	Socket	8
3	181048	Connector	1
4	370730	Blade	3
5	1330298	Connector	1
6	1334999	Pin	1
7	1329147	Seal	1
8	1363886	Socket	2
9	1330420	Connector	1
10	181046	Connector	2
11	1301783	Ring	1
12	129894	Terminal	1
13	148615	Terminal	2
14	1330426	Secondary Lock	1
15	148609	Fitting	1
16	1324311	Connector	1
17	1324312	Connector	1
18	1454663	Connector	1
19	1378671	Socket	4
20	1377868	Receptacle	4
21	252293	Ring	1
22	1301720	Connector Body	1
23	1308259	Connector Body	1
24	314775	Terminal	2
25	129888	Terminal	3
26	134812	Blade	1
27	1330439	Plug	1
28	1330429	Lock	1
29	141462	Blade	1
30	1337386	Seal	3
31	1377860	Connector	2
32	381919	Conduit	AR
33	16906	Conduit	AR
34	1337389	Connector	1
35	1337390	Terminal	3
36	1454860	Connector	1
37	1454862	Cover	1
38	1454829	Fuse (60 Amp)	1
39	1454828	Terminal	2
40	1454827	Seal	2
41	1347224	Relay Socket	1
42	1331233	Blade	8
43	1337384	Secondary Lock	1
44	129886	Terminal	1

WIRE HARNESS (Figure 4-48) FUEL PUMP AND SENDER

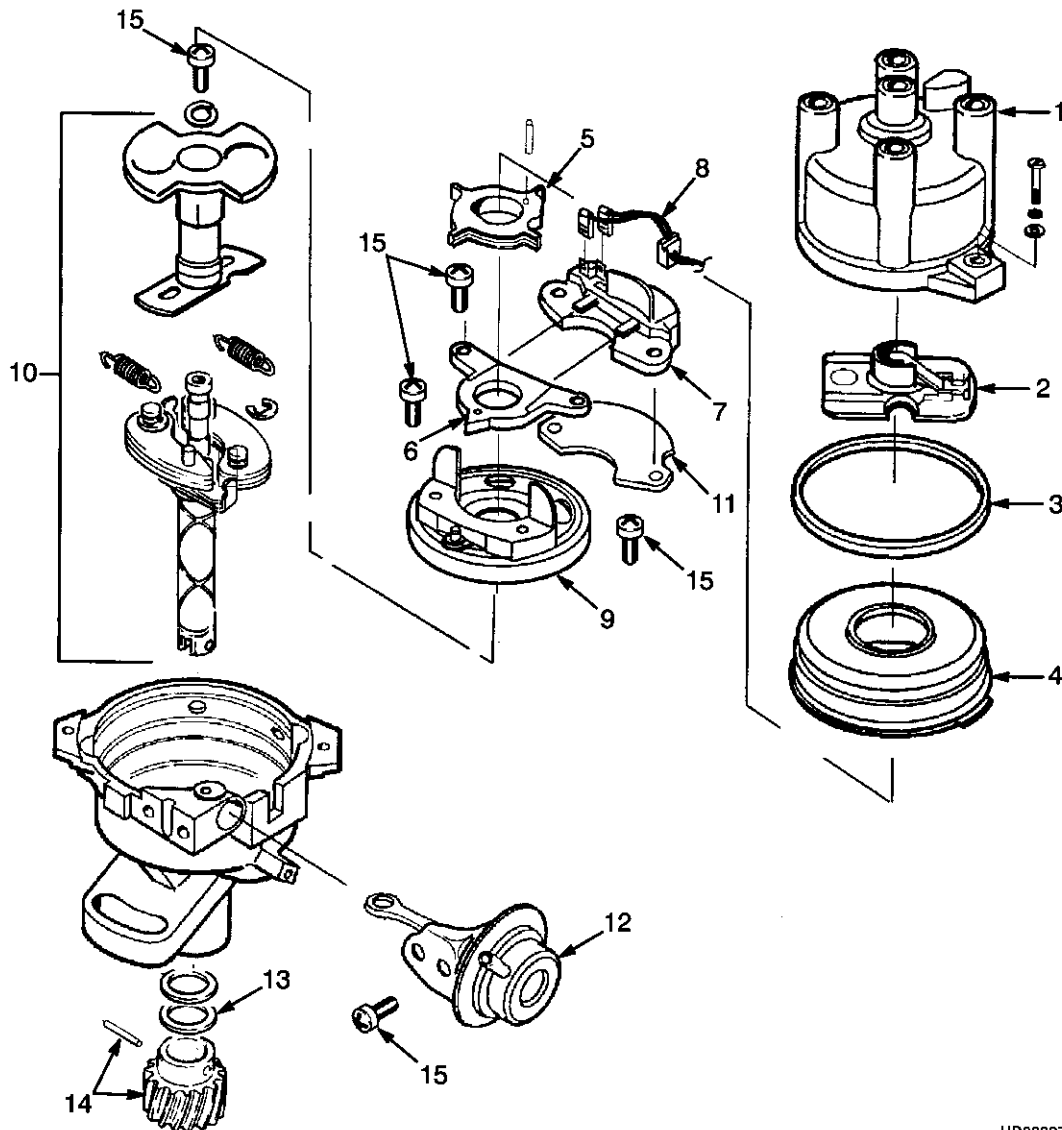


BP080177

ITEM	PART NO.	DESCRIPTION	QTY
	1371170	Wire Harness (Fuel Pump And Sender)	1
1	1359672	Connector	1
2	1323583	Terminal Socket	4
2	1323579	Seal	4
3	175944	Heat Shrink Tube	AR
4	1476077	Connector	1
5	1519611	Connector	1
6	1323576	Terminal	4

[illegible]

DISTRIBUTOR (Figure 4-49) GASOLINE AND LPG 2.0L

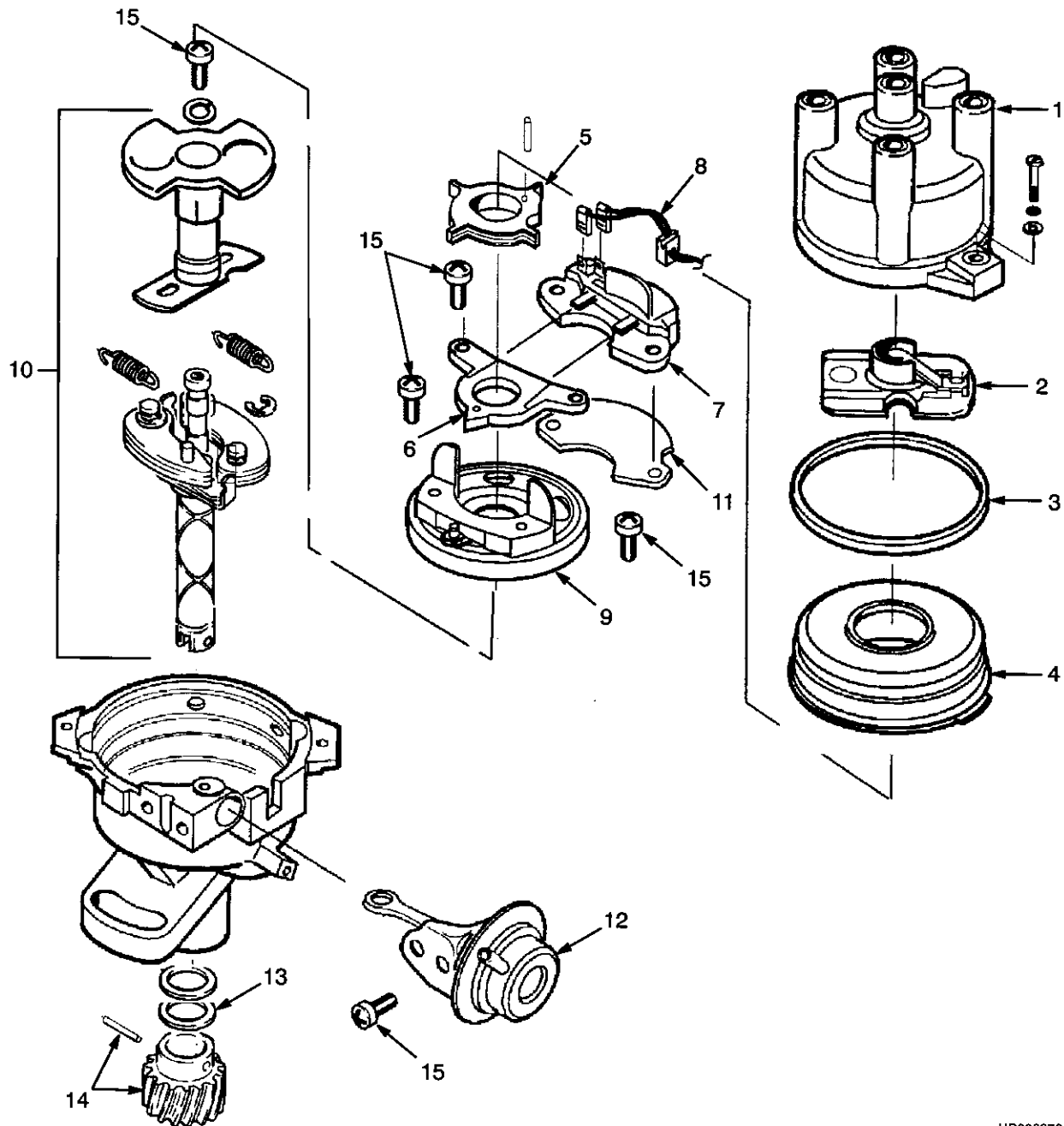


HP080971

**DISTRIBUTOR
GASOLINE AND LPG
2.0L**

ITEM	PART NO.	DESCRIPTION	QTY
	1453562	Distributor	1
1	1326394	Cap	1
2	1326395	Rotor.....	1
3	1326396	Packing.....	1
4	1326397	Cover	1
5	1326398	Rotor.....	1
6	1326399	Pick-Up Set	1
7	1326536	Igniter	1
8	1362037	Wire	1
9	1326537	Breaker	1
10	1362036	Governor Set	1
11	1326538	Heatsink	1
12	2026798	Vacuum Set	1
13	1362039	Oil Seal	1
14	1362042	Coupling	1
15	1362040	Screw	1

DISTRIBUTOR (Figure 4-50) GASOLINE AND LPG 2.2L

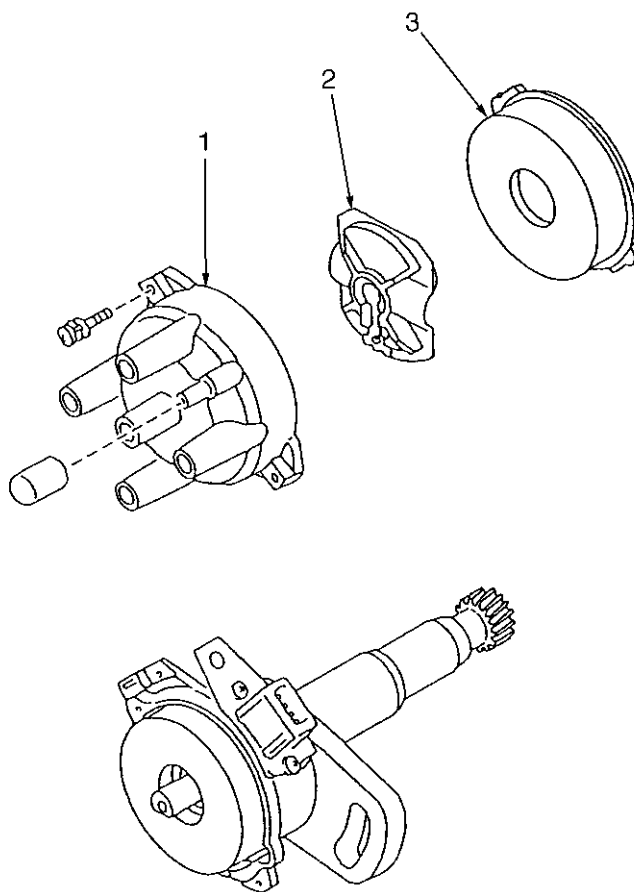


HP080972

**DISTRIBUTOR
GASOLINE AND LPG
2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	1453052	Distributor	1
1	1326394	Cap	1
2	1326395	Rotor.....	1
3	1326396	Packing.....	1
4	1326397	Cover	1
5	1326398	Rotor.....	1
6	1326399	Pick-Up Set	1
7	1326536	Igniter	1
8	1453468	Wire	1
9	1326537	Breaker	1
10	1362036	Governor Set	1
11	1326538	Heatsink	1
12	2026798	Vacuum Set	1
13	1362039	Oil Seal	1
14	1362042	Coupling	1
15	1362040	Screw	1

DISTRIBUTOR (Figure 4-51) GASOLINE 2.0L AND 2.2L EPA COMPLIANT

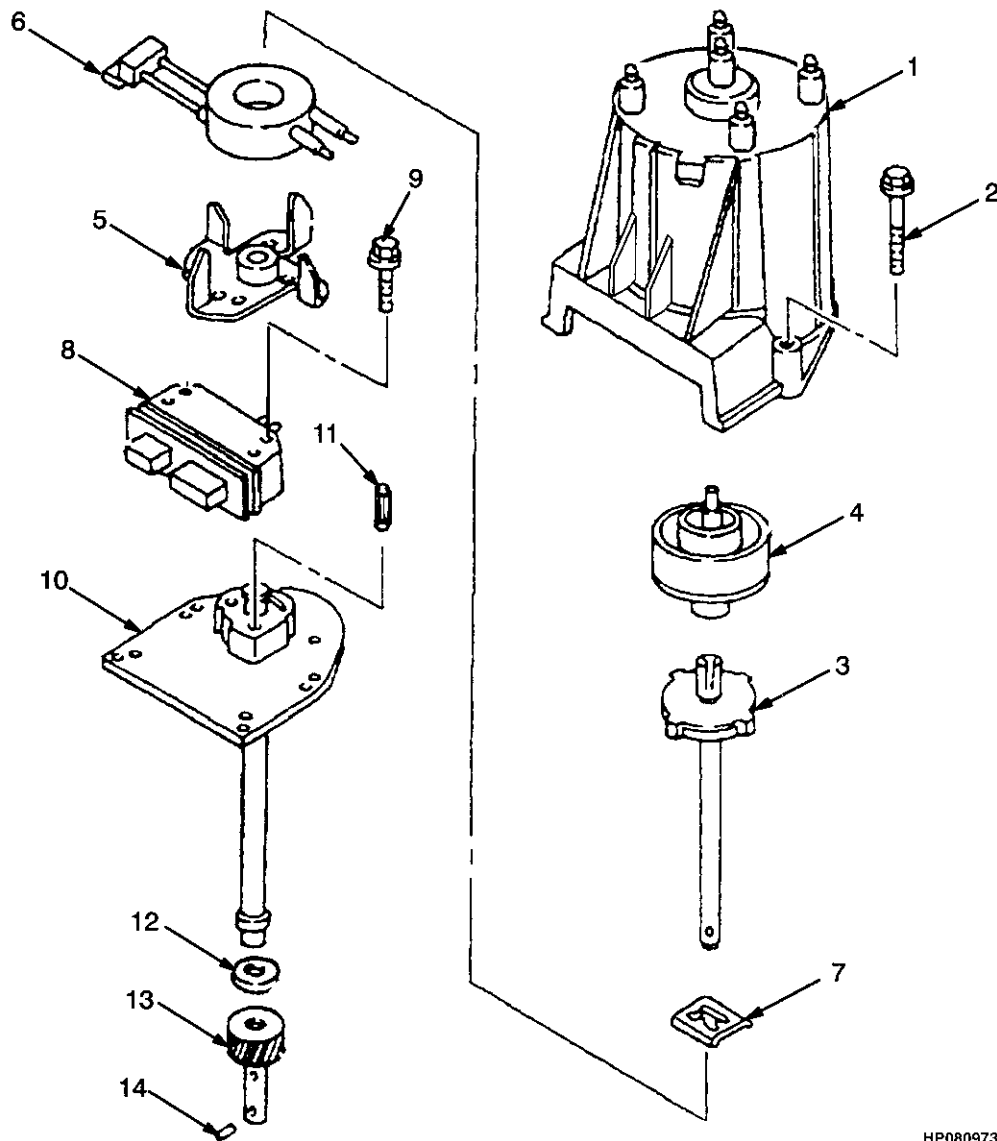


YP080539

ITEM	PART NO.	DESCRIPTION	QTY
	1554030	Distributor	1
1	1554033	Cap.....	1
2	1554034	Rotor.....	1
3	1554032	Cover.....	1

[illegible]

DISTRIBUTOR (Figure 4-52) GASOLINE AND LPG 3.0L

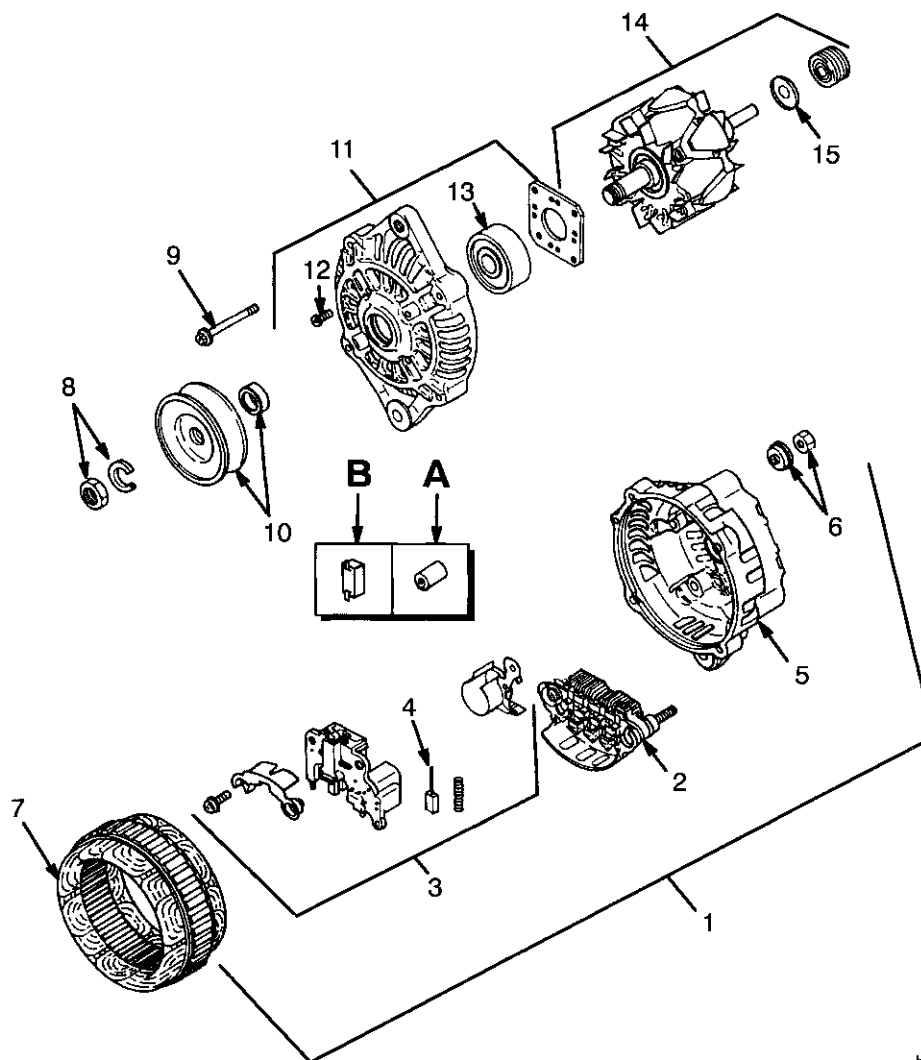


HP080973

DISTRIBUTOR GASOLINE AND LPG 3.0L

ITEM	PART NO.	DESCRIPTION	QTY
	1331330	Distributor	1
1	1334400	Cap	1
2	1334401	Screw	2
3	1334402	Shaft	1
4	1334403	Rotor.....	1
5	1334404	Pole Piece	1
6	1334405	Coil	1
7	1334406	Retainer.....	1
8	1334407	Module (1998 Engine)	1
8	1460387	Module (1999 Engine)	1
9	1334408	Bolt	2
10	1334409	Housing	1
11	1334410	Pin	1
12	1334411	Seal	1
13	1334412	Gear	1
14	1334413	Pin	1
	996336	Tune-Up Kit (Includes Items 1, 4)	1

ALTERNATOR (Figure 4-53) GASOLINE AND LPG 2.0L AND 2.2L

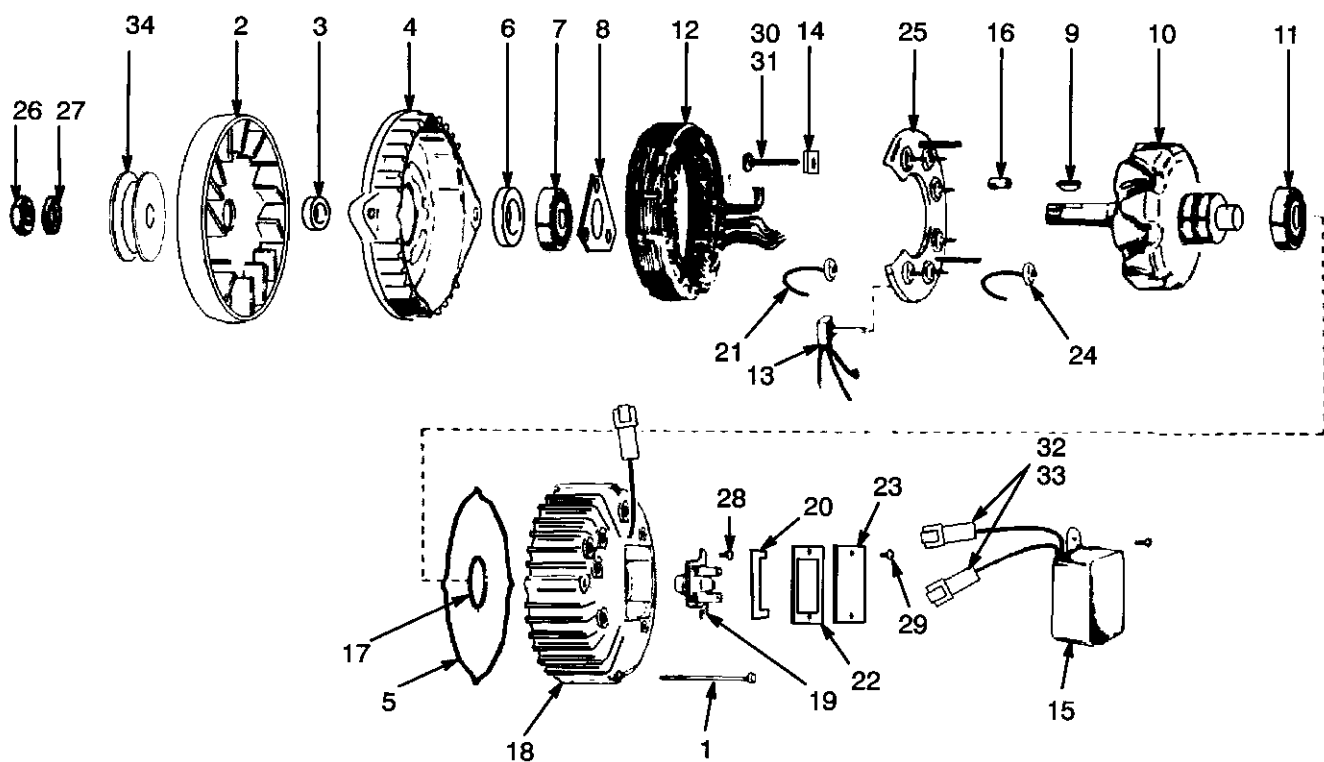


HP080974

**ALTERNATOR
GASOLINE AND LPG
2.0L AND 2.2L**

ITEM	PART NO.	DESCRIPTION	QTY
	1450928	Alternator	1
1	1450929	Cover Assembly	1
2	1450930	Rectifier	1
3	1450931	Regulator	1
4	1361859	Brush.....	2
5	1361852	Cover.....	1
6	1361862	Nut	1
7	1361854	Stator.....	1
8	1361863	Nut.....	1
9	1361864	Screw	1
10	1361861	Pulley.....	1
11	1361850	Cover.....	1
12	1361860	Screw	1
13	1361857	Bearing.....	1
14	1361865	Rotor.....	1
15	1361855	Bearing.....	1

ALTERNATOR (Figure 4-54) TYPES GS, LPS AND DS

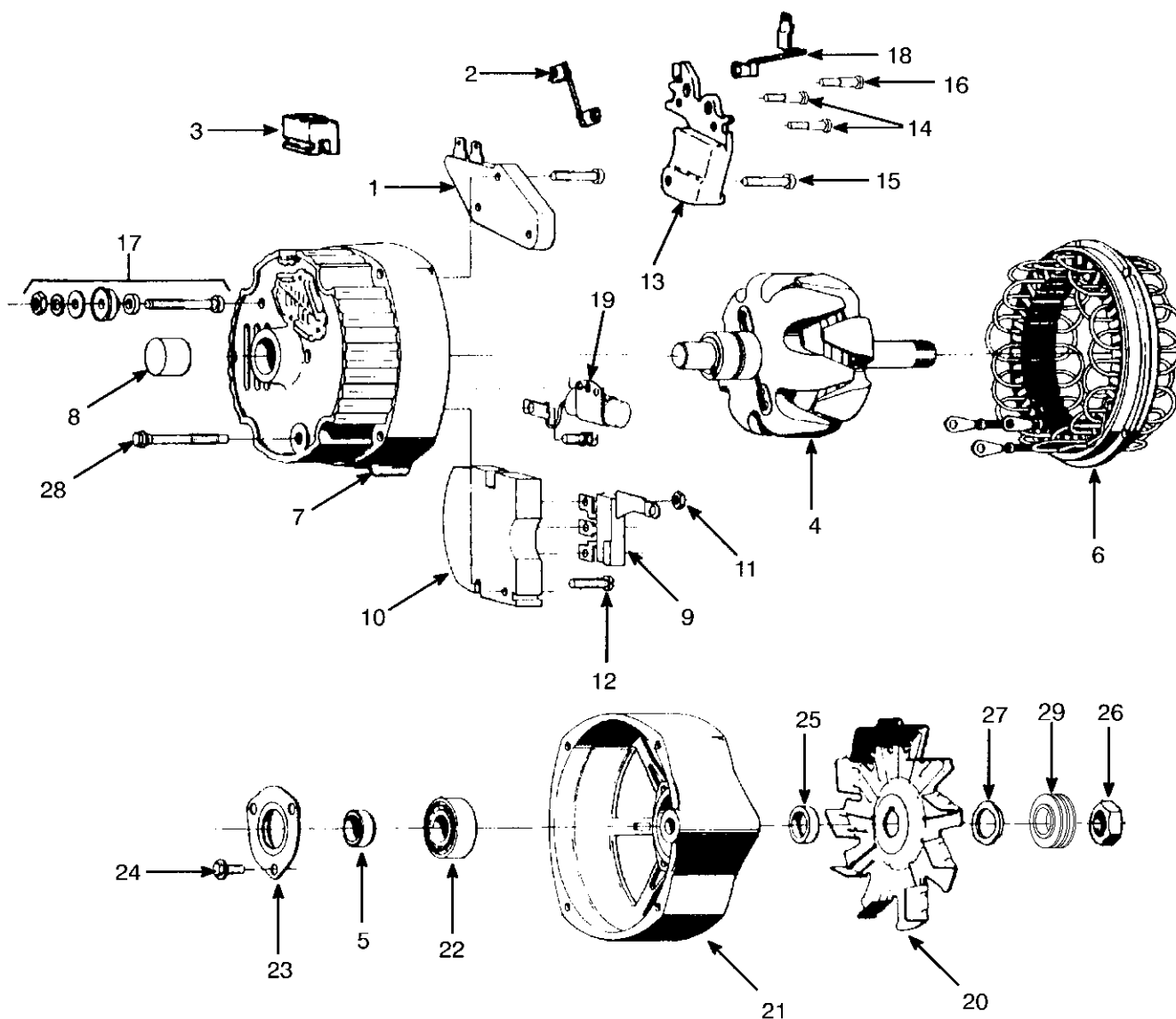


HP080975

**ALTERNATOR
TYPES GS, LPS AND DS**

ITEM	PART NO.	DESCRIPTION	QTY
	1394002	Alternator	1
1	1453364	Bolt	4
2	225673	Fan	1
3	1453352	Spacer	1
4	1453351	Housing (Front)	1
5	226582	Gasket	1
6	1453358	Seal	1
7	248128	Bearing (Front)	1
8	226576	Retainer	1
9	1453354	Key	1
10	1371208	Rotor	1
11	386071	Bearing (Rear)	1
12	1371209	Stator	1
13	2022532	Diode (Field)	1
14	1371214	Insulator	1
15	1453386	Voltage Regulator	1
16	1371212	Sleeve	1
17	1371211	Retainer	1
18	295802	Housing (Rear) (Rear)	1
19	2022534	Brush Assembly	1
20	2022535	Insulation	1
21	226584	Diode (Positive)	1
22	1453387	Gasket	1
23	2022538	Brush Cover	1
24	226583	Diode (Negative)	1
25	226578	Heat Sink	1
26	1453375	Nut	1
27	1453385	Lockwasher	1
28	1453377	Screw	2
29	1453379	Screw	2
30	1453362	Bolt	1
31	1453363	Bolt	1
32	181045	Connector	1
33	181046	Connector	1
34		Pulley (☞ Figure 4-5, ☞ Figure 4-12)	1

ALTERNATOR (Figure 4-55) GASOLINE AND LPG 3.0L ENGINE (⇒S/N H177B-32018Z)



HP081359

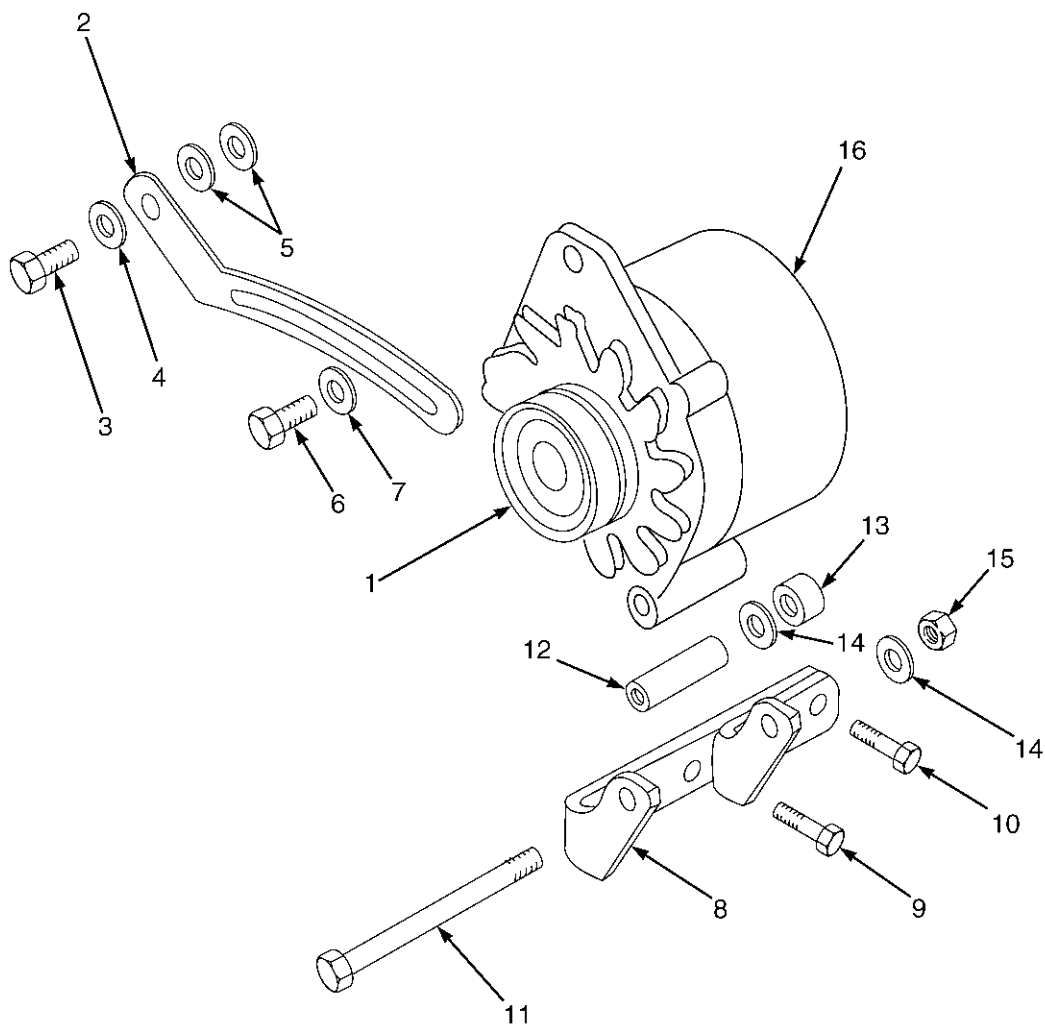
**ALTERNATOR
GASOLINE AND LPG
3.0L ENGINE
(⇒S/N H177B-32018Z)**

ITEM	PART NO.	DESCRIPTION	QTY
	1358911	Alternator	1
1	290303	Regulator	1
2	1377067	Resistor	1
3	274648	Boot	1
4	1377047	Rotor	1
5	343029	Collar (CE)	1
6	1377048	Stator	1
7	310085	Cover (CE)	1
8	290508	Bearing (CE)	1
9	223095	Diode	1
10	343031	Rectifier Bridge	1
11	1344274	Nut	3
12	343032	Screw and Washer	1
13	290300	Brush Holder	1
13	1377050	Spring	2
14	268356	Screw (Brush)	2
15	290369	Screw (Brush Holder)	1
16	290370	Screw (Brush Holder)	1
17	310081	Terminal Kit	1
18	344233	Terminal Relay	1
19	1377052	Capacitor	1
20	1377051	Fan	1
21	1377049	Frame	1
22	290509	Bearing	1
23	1377053	Plate	1
24	344234	Screw (Retaining Plate)	3
25	310088	Collar (DE)	1
26	55580	Nut	1
27	128835	Lockwasher	1
28	128852	Bolt	4
29	208483	Pulley	1

ALTERNATOR MOUNTING (Figure 4-56)

GM 3.0L

V-BELT

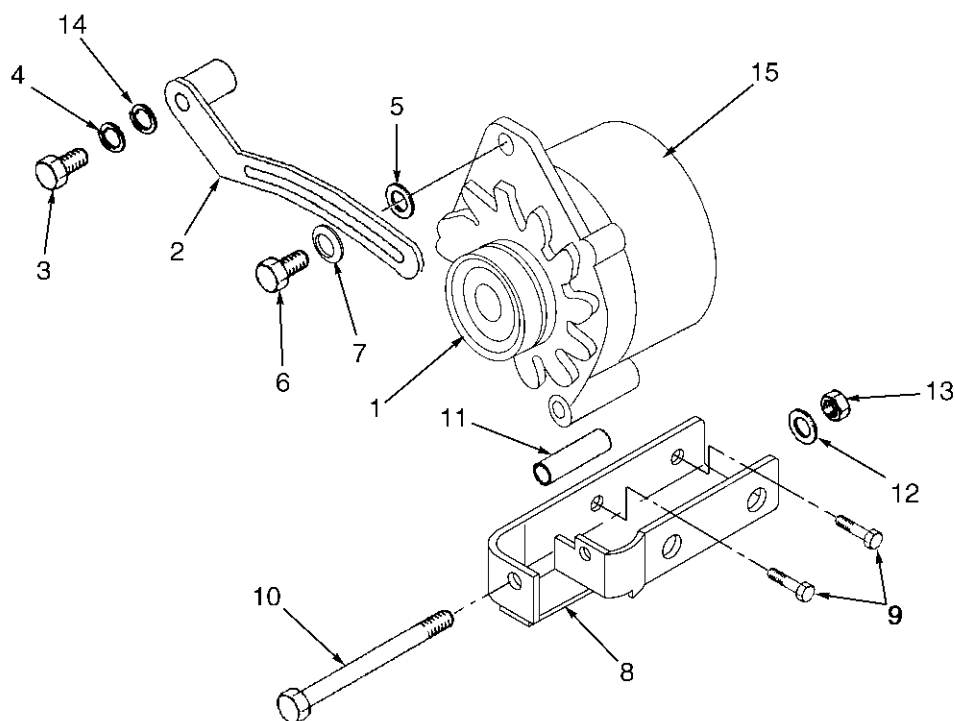


HP081403

ALTERNATOR MOUNTING
GM 3.0L
V-BELT

ITEM	PART NO.	DESCRIPTION	QTY
1	1452143	Pulley	1
2	1326931	Strap	1
3	18498	Capscrew	1
4	15155	Lockwasher	1
5	18515	Washer	2
6	176640	Capscrew	1
7	320157	Washer	1
8	1490274	Bracket	1
9	16598	Capscrew	1
10	1508234	Screw	2
11	18546	Capscrew	1
12	305100	Sleeve	1
13	189338	Spacer	1
14	261379	Washer	2
15	139743	Locknut	1
16	1469599	Alternator	1

ALTERNATOR MOUNTING (Figure 4-57) SERPENTINE BELT GM 3.0L

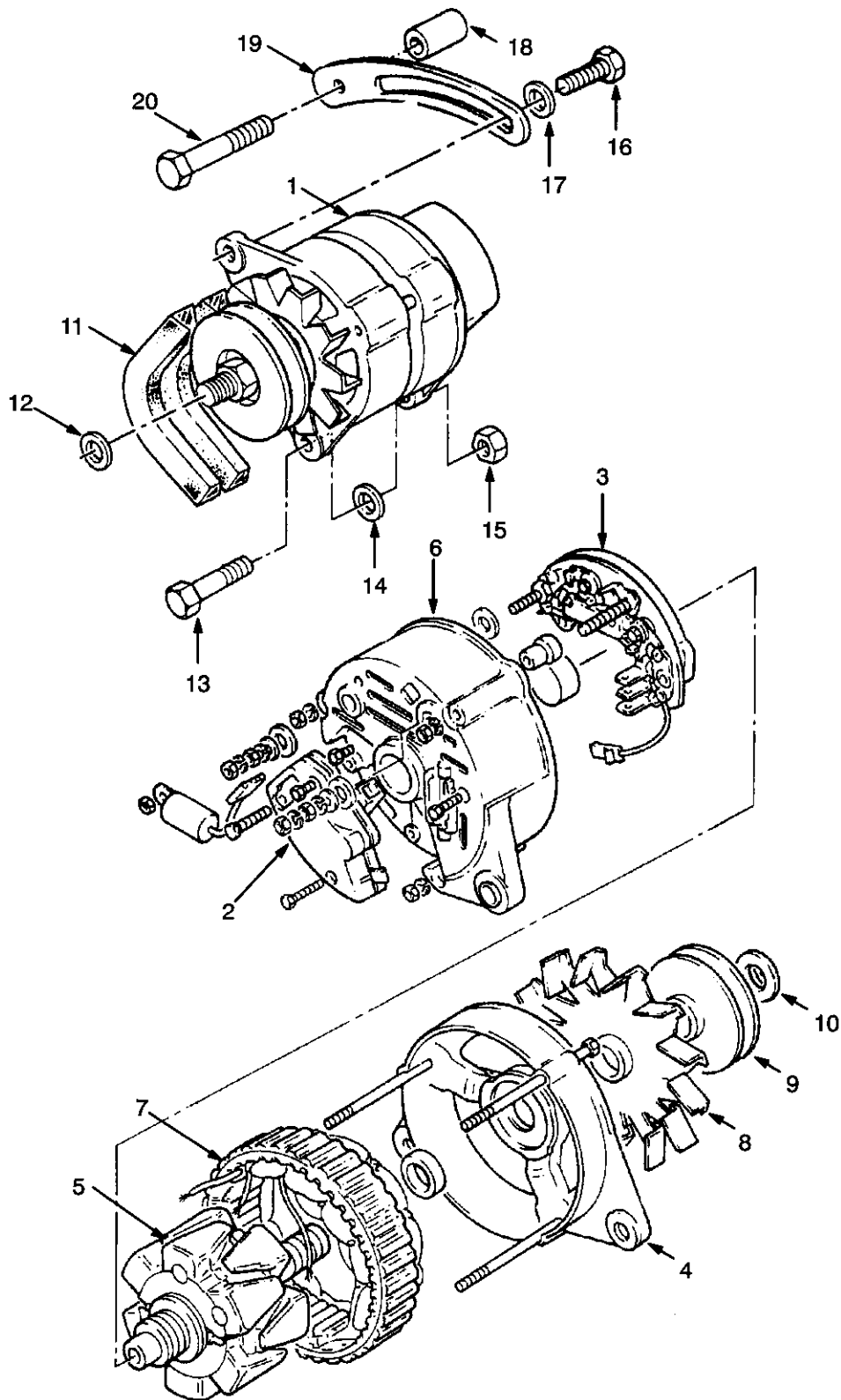


HP081357

ALTERNATOR MOUNTING SERPENTINE BELT GM 3.0L

ITEM	PART NO.	DESCRIPTION	QTY
1	1392210	Pulley (GS/LPS).....	1
1	1377751	Pulley.....	1
2	1520828	Bracket.....	1
3	18516	Capscrew.....	1
4	15155	Lockwasher.....	1
5	320157	Washer	1
6	176640	Capscrew.....	1
7	350818	Washer	1
8	1527018	Bracket.....	1
9	196898	Capscrew.....	2
10	221519	Capscrew.....	1
11	305100	Sleeve.....	1
12	261379	Washer	2
13	139743	Locknut	1
14	18515	Washer	1
15	1469597	Alternator	1

ALTERNATOR (Figure 4-58) DIESEL 2.6L

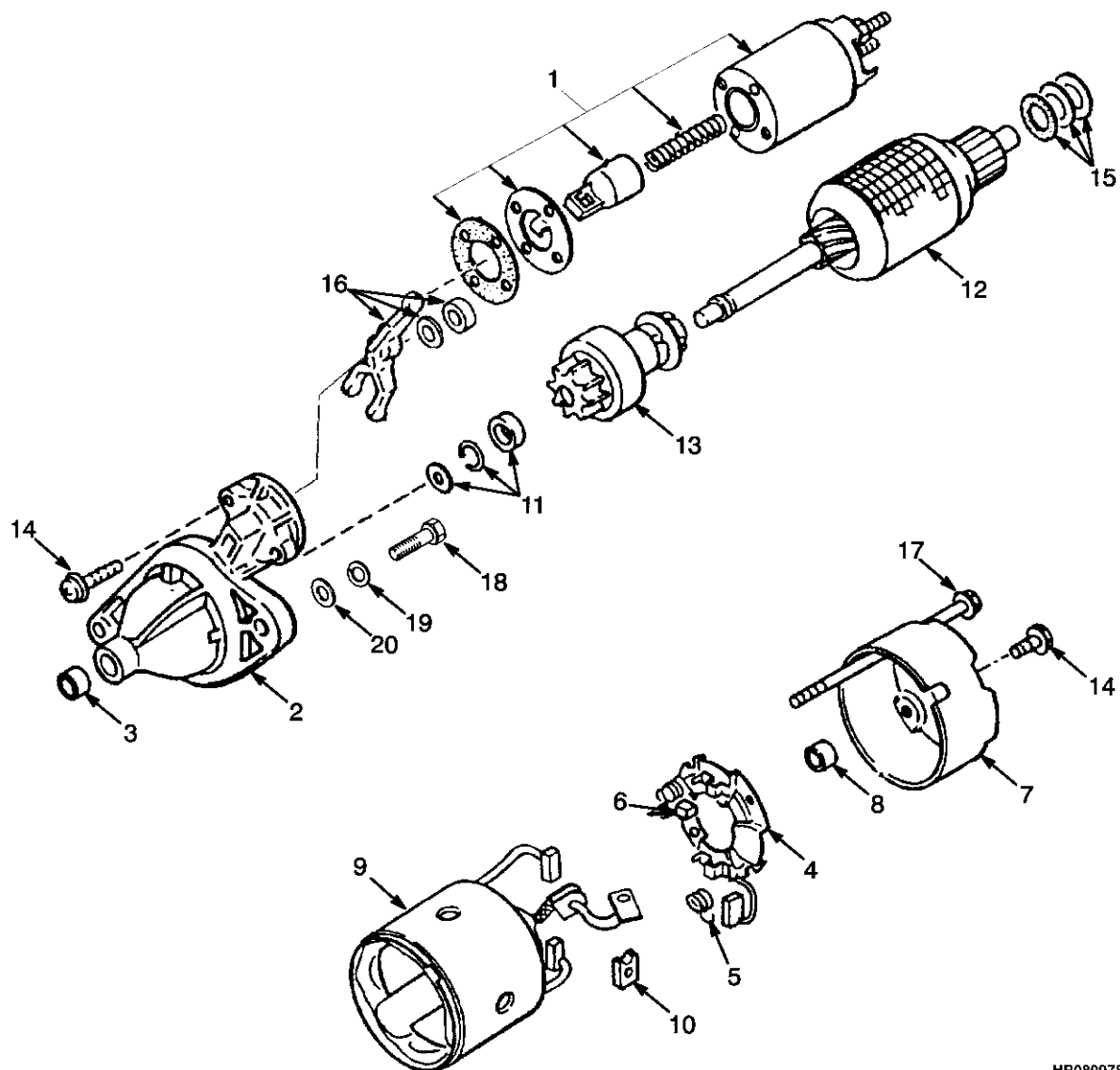


HP080977

**ALTERNATOR
DIESEL 2.6L**

ITEM	PART NO.	DESCRIPTION	QTY
1	1457874	Alternator	1
2	1457880	Regulator	1
3	1457881	Rectifier	1
4	1457882	Bracket Assembly	1
5	1457883	Rotor	1
6	1457884	Bracket	1
7	1457885	Stator	1
8	1457886	Fan	1
9	1457887	Pulley	1
10	1457888	Spacer	1
11	1457875	V-Belt	1
12	1457876	Spacer	1
13	1457877	Screw	1
14	1318306	Washer	1
15	1307891	Nut	1
16	1306358	Screw	1
17	983255	Washer	1
18	1457879	Spacer	1
19	1451743	Lever	1
20	1457878	Screw	1

STARTER (Figure 4-59) GASOLINE AND LPG 2.0L AND 2.2L (⇒S/N H177B-13244)

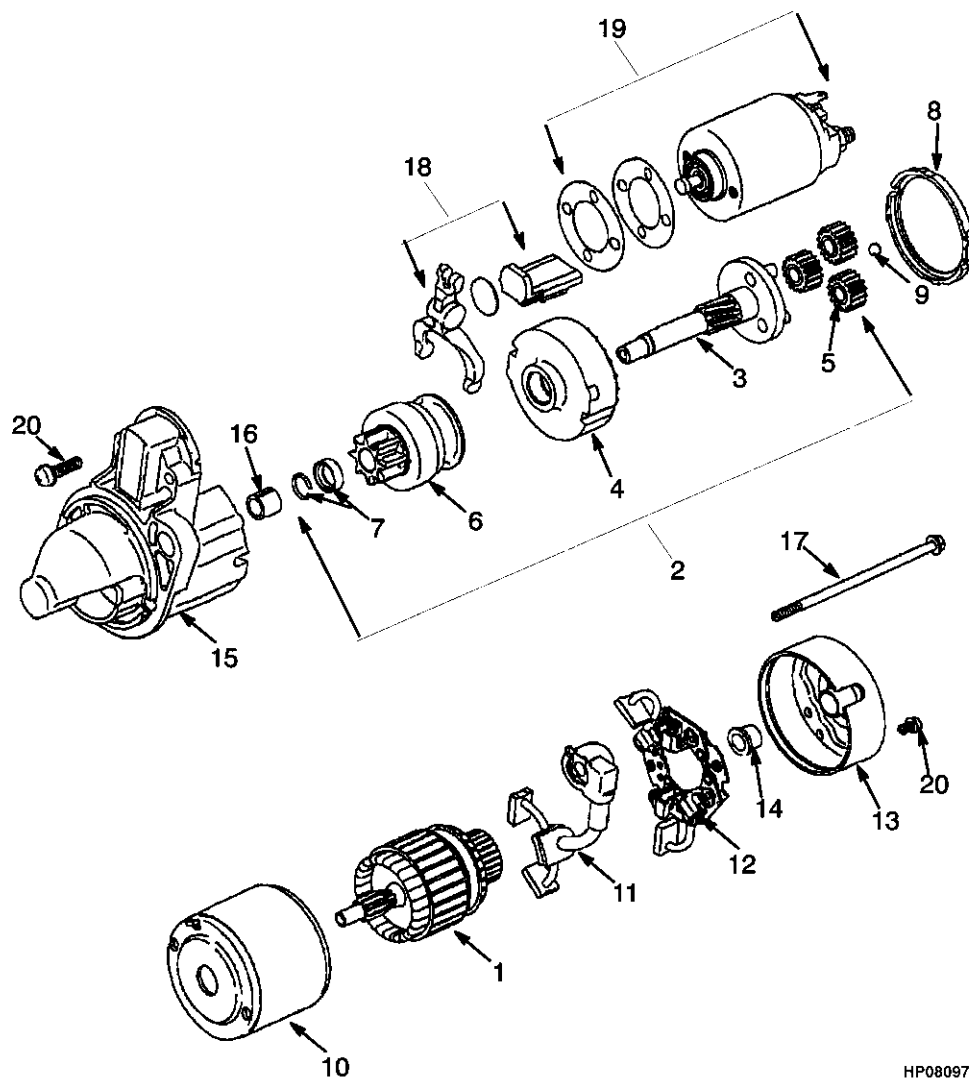


HP080978

STARTER
GASOLINE AND LPG
2.0L AND 2.2L
(⇒S/N H177B-13244)

ITEM	PART NO.	DESCRIPTION	QTY
	1362069	Starter.....	1
1	1368862	Switch.....	1
2	1368849	Bracket	1
3	1368858	Sleeve	1
4	1368860	Brush Holder	1
5	326889	Brush Spring	3
6	1368861	Brush.....	1
7	1368857	Bracket	1
8	1368859	Sleeve	1
9	1368848	Yoke.....	1
10	1368863	Brush.....	2
11	1368850	Stopper.....	1
12	1368851	Armature	1
13	1368852	Clutch	1
14	1368853	Screw	1
15	1368854	Washer	1
16	1368855	Lever.....	1
17	1368856	Bolt	2
18	1356103	Capscrew.....	2
19	292682	Lockwasher.....	2
20	320159	Washer	2

STARTER (Figure 4-60) GASOLINE AND LPG 2.0L AND 2.2L (S/N H177B-13245⇒)

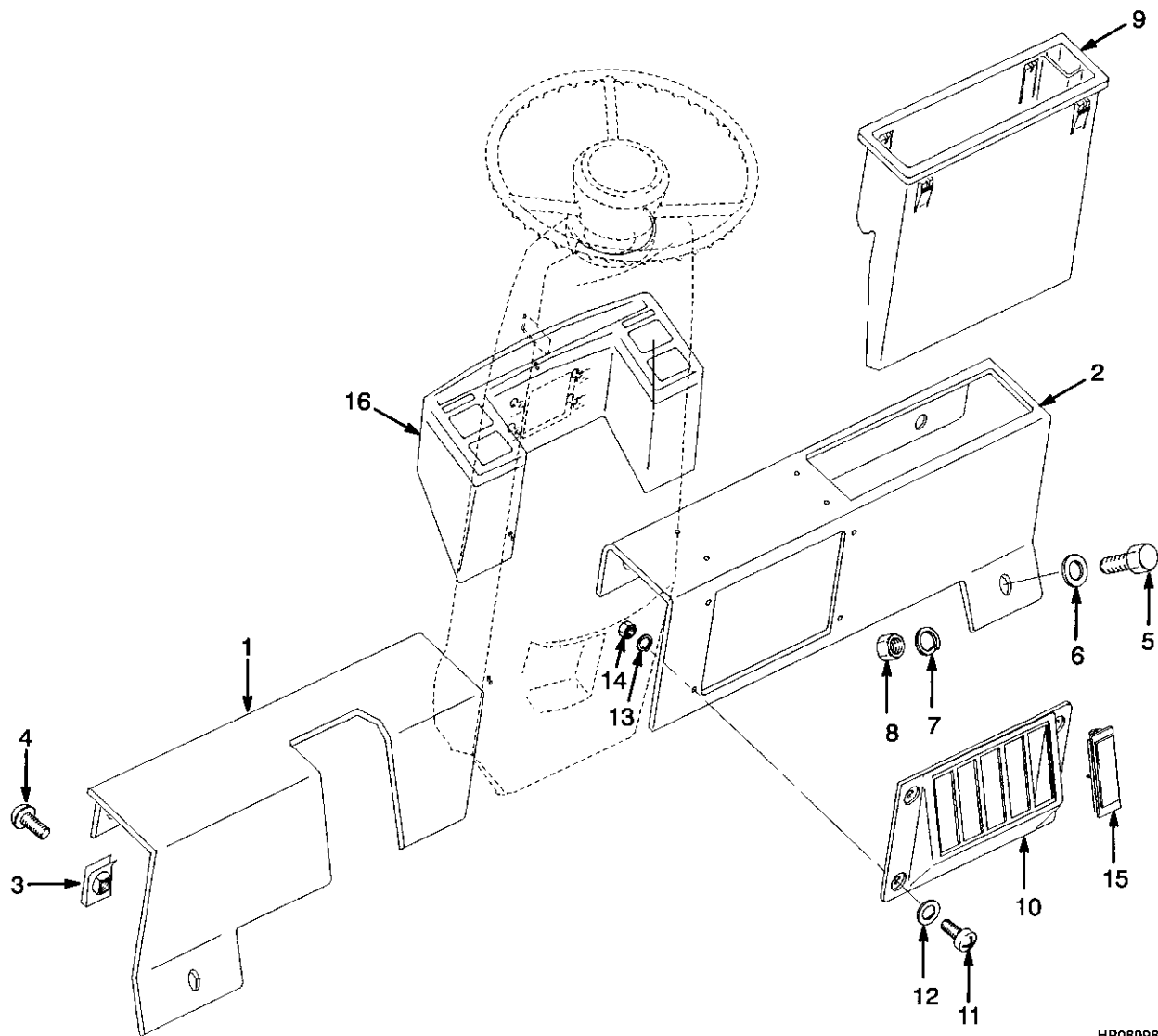


HP080979

STARTER
GASOLINE AND LPG
2.0L AND 2.2L
(S/N H177B-13245⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	2314322	Starter.....	1
1	2314323	Armature	1
2	2314324	Shaft.....	1
3	2314325	Shaft.....	1
4	2314326	Gear	1
5	2314327	Gear	3
6	2314328	Pinion Set.....	1
7	2314328	Pinion Set.....	1
8	2314330	Packing.....	1
9	2314331	Ball	1
10	2314332	Yoke.....	1
11	2314333	Brush.....	1
12	2314334	Brush Holder	1
12	2314335	Spring.....	1
12	2314336	Spring.....	1
13	2314337	Bracket	1
14	2314338	Bearing.....	1
15	2314339	Bearing.....	1
16	1368858	Sleeve	1
17	2314340	Bolt	2
18	2314341	Lever.....	1
19	2314342	Switch.....	1
20	1368853	Screw	1

INSTRUMENT PANEL (Figure 4-61)

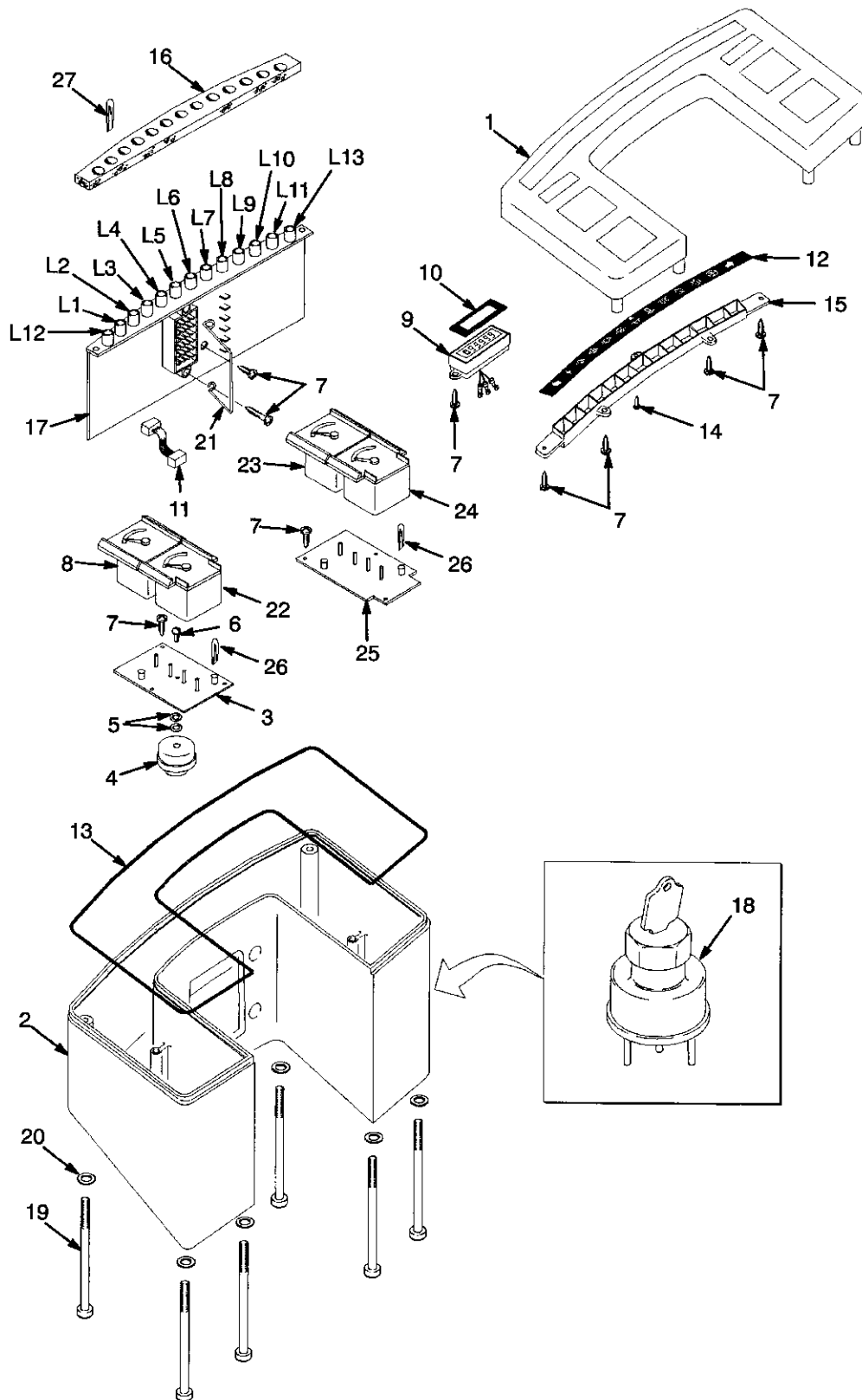


HP080980

INSTRUMENT PANEL

ITEM	PART NO.	DESCRIPTION	QTY
1	1365876	Instrument Panel (LH).....	1
2	1365877	Instrument Panel (RH).....	1
3	1350282	Nut	4
4	369242	Capscrew.....	4
5	136681	Capscrew.....	1
6	320157	Washer	1
7	292681	Lockwasher.....	1
8	239503	Nut	1
9	1338286	Storage Compartment	1
10	1339637	Switch Mounting	1
11	1507923	Screw.....	4
12	320154	Washer	4
13	292678	Lockwasher.....	4
14	292667	Nut	4
15	376949	Cover	5
16		Instrument Cluster (☞ Figure 4-62)	1

INSTRUMENT CLUSTER (Figure 4-62) (⇒D/B 11/2003)



HP080981

INSTRUMENT CLUSTER
(⇒D/B 11/2003)**KEY:****A: Optional Gauges****B: Standard Gauges**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	ch 1335975	Instrument Cluster (Gasoline).....	..	1
	bh 1335976	Instrument Cluster (LPG).....	..	1
	bik 1482739	Instrument Cluster (LPG).....	..	1
	ci 1335977	Instrument Cluster (Diesel).....	..	1
	ef 1335978	Instrument Cluster (Gasoline).....	1	..
	df 1335979	Instrument Cluster (LPG).....	1	..
	dgk 1482740	Instrument Cluster (LPG).....	1	..
	eg 1335980	Instrument Cluster (Diesel).....	1	..
	ci 1343612	Instrument Cluster (Gasoline).....	..	1
	bi 1343613	Instrument Cluster (LPG).....	..	1
	bfk 1482741	Instrument Cluster (LPG).....	..	1
	cj 1343614	Instrument Cluster (Diesel).....	..	1
1	1354775	Cover.....	1	1
2	1354776	Case.....	1	1
3	1354049	Circuit Board (LH).....	1	1
4	1354804	Alarm.....	1	1
5	1354780	Washer.....	1	1
6	1371203	Screw.....	1	1
7	227131	Screw.....	17	14
8	1354778	Temperature Gauge (Water).....	1	1
9	1354783	Hourmeter.....	1	1
10	1354782	Gasket.....	1	1
11	1354805	Wire Harness.....	1	1
12	1354784	Filter.....	1	1
13	1354785	Gasket.....	1	1
14	1354786	Screw.....	1	1
15	1354787	Housing.....	1	1
16	1354788	Gasket.....	1	1
17	1354806	Circuit Board.....	1	1
18	1337114	Ignition Switch.....	1	1
19	a 1453153	Screw Kit.....	8	8
20	320154	Washer.....	8	8
21	1358858	Spring.....	1	1
22	1354777	Fuel Gauge.....	1	1
23	1354792	Oil Pressure Gauge.....	1	1
24	1354793	Voltmeter Gauge.....	1	1
25	1354807	Circuit Board (RH).....	1	1
26	1354796	Lamp.....	..	..
27	1357367	Lamp.....	..	..

FOOTNOTES:

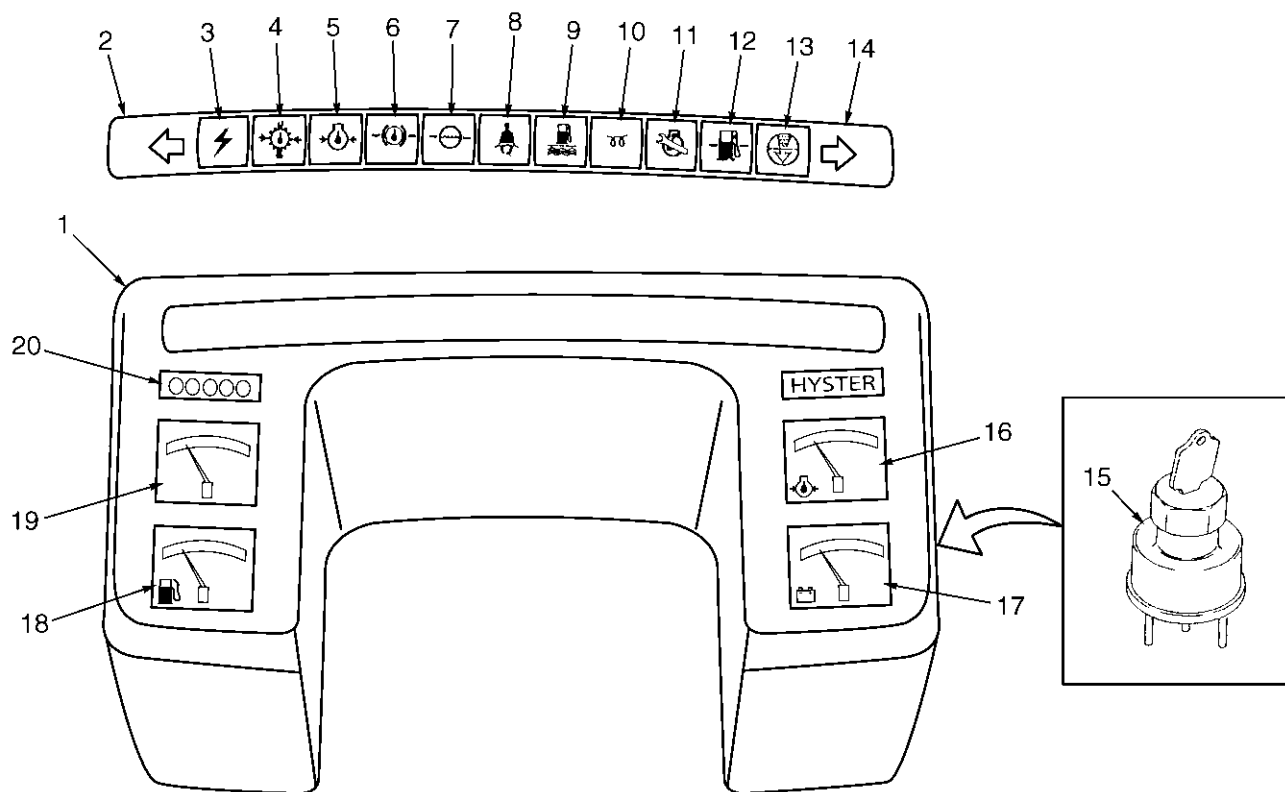
- a** Each kit contains three screws, use the screw that matches your application, discard the remainder.
- b** Includes Part Number 1354796 Qty 1
- c** Includes Part Number 1354796 Qty 2
- d** Includes Part Number 1354796 Qty 3
- e** Includes Part Number 1354796 Qty 4

INSTRUMENT CLUSTER
(⇒D/B 11/2003)

- f** Includes Part Number 1357367 Qty 10
- g** Includes Part Number 1357367 Qty 11
- h** Includes Part Number 1357367 Qty 7
- i** Includes Part Number 1357367 Qty 8
- j** Includes Part Number 1357367 Qty 9
- k** S/N H177B-26763Y ⇒ (With Low Emissions)

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

INSTRUMENT CLUSTER (Figure 4-63) (D/B 11/2003⇒)



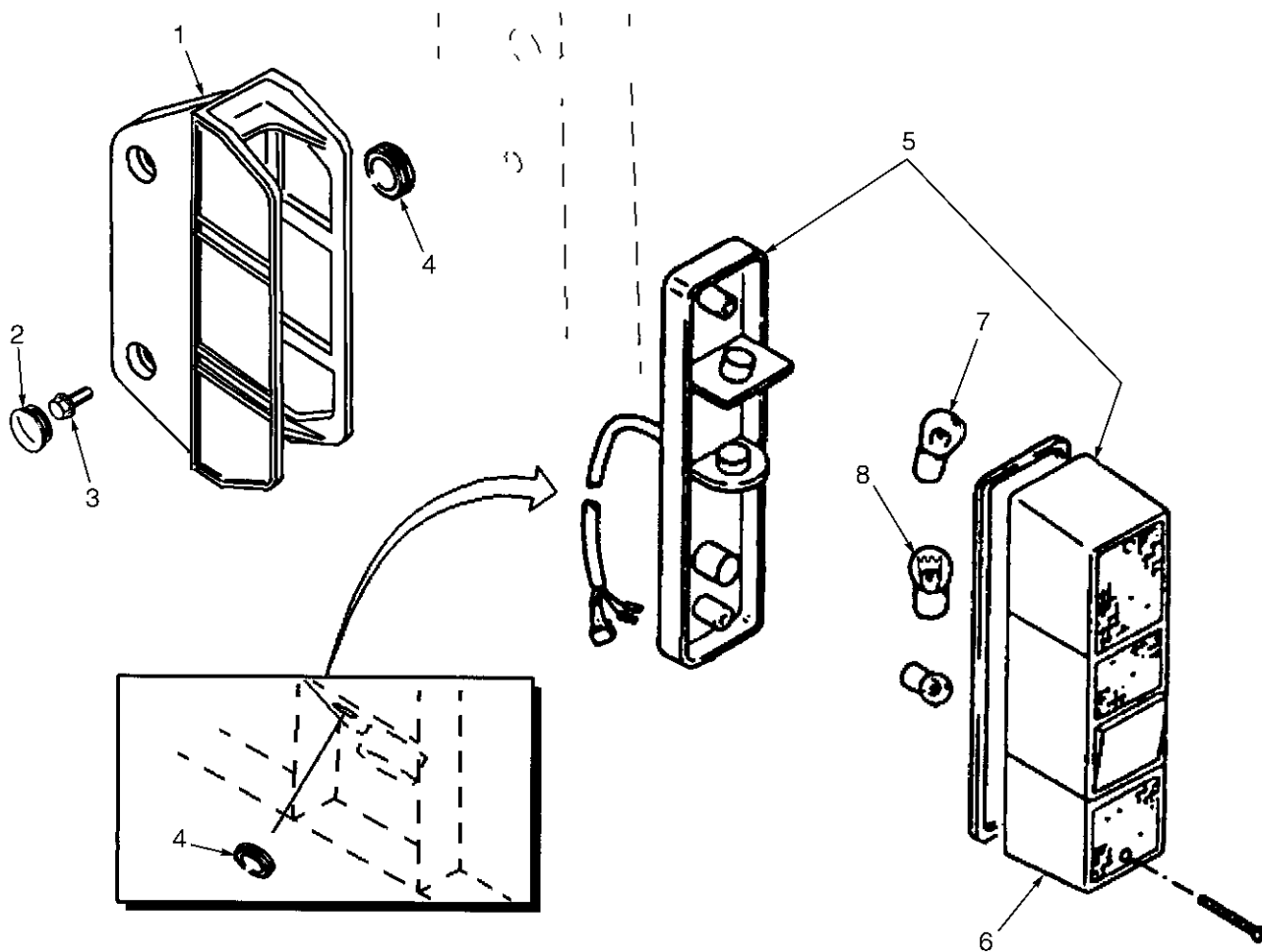
HP081360

INSTRUMENT CLUSTER
(D/B 11/2003⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	f 1510314	Instrument Cluster (Gasoline And Diesel)	1
1	e 1510318	Instrument Cluster (Diesel)	1
1	c 1510315	Instrument Cluster (3.0L LPG)	1
1	d 1510317	Instrument Cluster (2.0L, 2.2L LPG)	1
2		Circuit (LH Turn Signal)	1
3		Circuit (Charge)	1
4		Circuit (Transmission Oil Temperature/Pressure)	1
5		Circuit (Engine Oil Pressure)	1
6		Circuit (Brake Fluid Level)	1
7		Circuit (Radiator Coolant Level)	1
8		Circuit (Fasten Seat Belt)	1
9	a	Circuit (Water Seperator)	1
10	a	Circuit (Glow Plug Indicator)	1
11		Circuit (Service Engine)	1
12	b	Circuit (Low Fuel Level)	1
13		Circuit (Air Cleaner Restriction)	1
14		Circuit (RH Turn Signal)	1
15	1530583	Ignition Switch	1
15	1337197	Key Set	1
16		Gauge (Engine Oil Pressure)	1
17		Gauge (Voltmeter)	1
18		Gauge (Fuel Level)	1
19		Gauge (Coolant Temperature)	1
20		Hourmeter	1

FOOTNOTES:**a** Diesel**b** LPG**c** S/N H177B-43248A ⇒**d** S/N H177B-43539A ⇒**e** S/N H177B-45443A ⇒**f** S/N H177B-45826A ⇒

LIGHTS (Figure 4-64)



HP081402

LIGHTS

ITEM	PART NO.	DESCRIPTION	QTY
1	1450293	Bracket.....	2
2	1450356	Plug	4
3	329067	Screw.....	4
4	1367639	Grommet.....	3
5	1376749	Light Assembly	2
6	1376439	Lens (Clear).....	1
6	1376440	Lens (Red).....	1
6	1380757	Lens (Amber).....	1
7	1302258	Bulb	2
8	177521	Bulb (12 Volt)	1

[illegible]

5	TRANSMISSION	

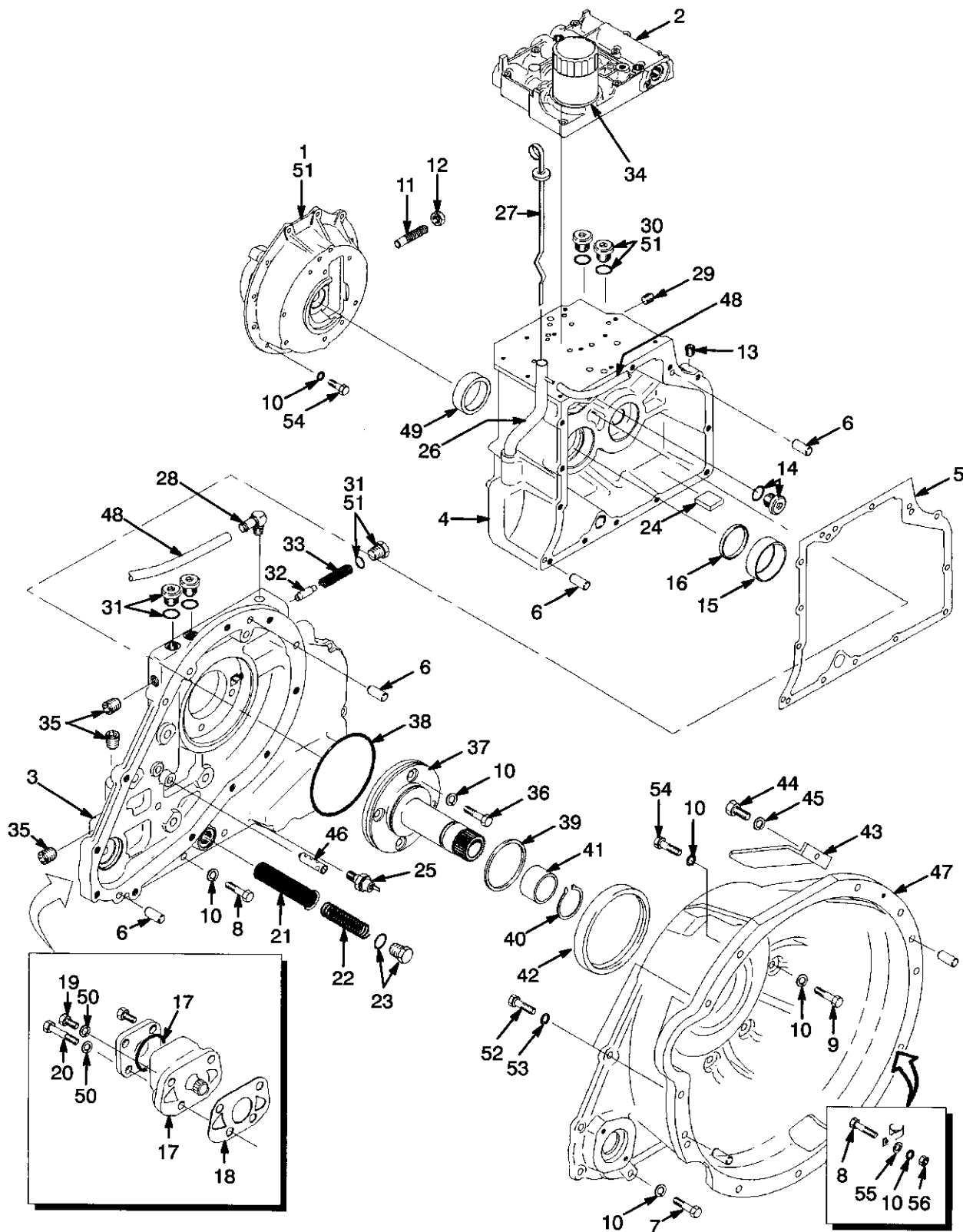
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TRANSMISSION (Figure 5-1)

1 OF 2

T078



HP240286

TRANSMISSION**1 OF 2****T078**

ITEM	PART NO.	DESCRIPTION	QTY
	1394930	Transmission.....	1
1	380478	Differential (☞ Figure 5-11)	1
2	1391377	Control Valve (☞ Figure 5-11)	1
3	1367430	Cover.....	1
4	1334717	Housing	1
5	1334772	Gasket.....	1
6	302385	Pin	4
7	292516	Capscrew	16
8	292519	Capscrew	3
8	a 292519	Capscrew	4
9	292524	Capscrew	4
10	292682	Lockwasher	48
11	334571	Screw	1
12	15032	Nut.....	1
13	15483	Fitting.....	1
14	222443	Fitting.....	1
14	16483	O-Ring.....	1
15	137282	Bearing Cup	1
16	286788	Seal	1
17	1335921	Pump.....	1
17	1355348	Seal.....	1
18	1334771	Gasket.....	1
19	176640	Capscrew	2
20	136703	Capscrew	2
21	334450	Screen	1
22	334452	Spring.....	1
23	14604	Fitting.....	1
23	16487	O-Ring.....	1
24	334560	Magnet	1
25	1322627	Switch (Oil Temperature Warning)	1
26	1338259	Tube.....	1
27	1343533	Dipstick.....	1
28	1316809	Fitting.....	1
29	15347	Fitting.....	1
30	134436	Fitting.....	2
30	16482	O-Ring.....	1
31	235691	Fitting.....	3
31	16484	O-Ring.....	1
32	287472	Spool	1
33	1334786	Spring.....	1
34	1328692	Filter	1
35	15314	Fitting.....	3
36	136985	Capscrew	4
37	1394923	Stator.....	1
38	1337051	O-Ring.....	1
39	1339332	Ring.....	1
40	12891	Snap Ring.....	1
41	1339334	Spacer.....	1
42	1337052	Seal	1
43	1375148	Cover.....	2

TRANSMISSION

1 OF 2

T078

ITEM	PART NO.	DESCRIPTION	QTY
44	287817	Capscrew	2
45	292680	Lockwasher	2
46	1343557	Tube.....	1
47	1375183	Housing	1
48	193772	Hose	1
48	1389608	Hose (Optional)	1
49	230419	Bearing Cup	1
50	292681	Lockwasher.....	4
51	313022	Sealant	AR
52	292528	Capscrew.....	2
53	292683	Lockwasher.....	2
54	287860	Capscrew.....	20
54	a 287860	Capscrew.....	21
55	a 320159	Washer	1
56	a 136692	Nut	1
	996297	Transmission Kit (Includes Items 5, 15-18, 23, 25, 30-31, 34, 38-39, 42, 49, 51)	1

FOOTNOTES:

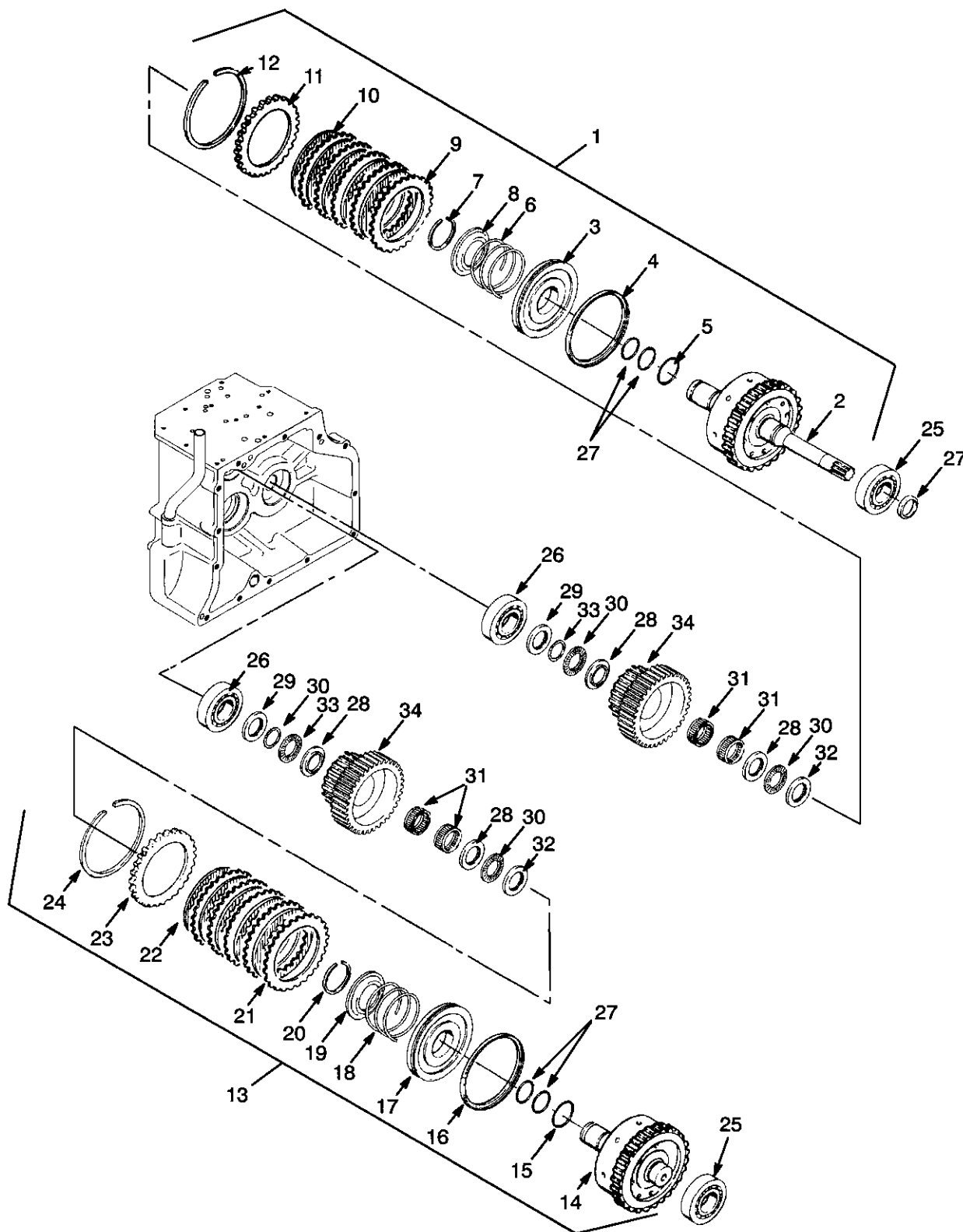
a Diesel Only

[illegible]

TRANSMISSION (Figure 5-2)

2 OF 2

T078 (INPUT AND COUNTER CLUTCH)



HP240287

TRANSMISSION

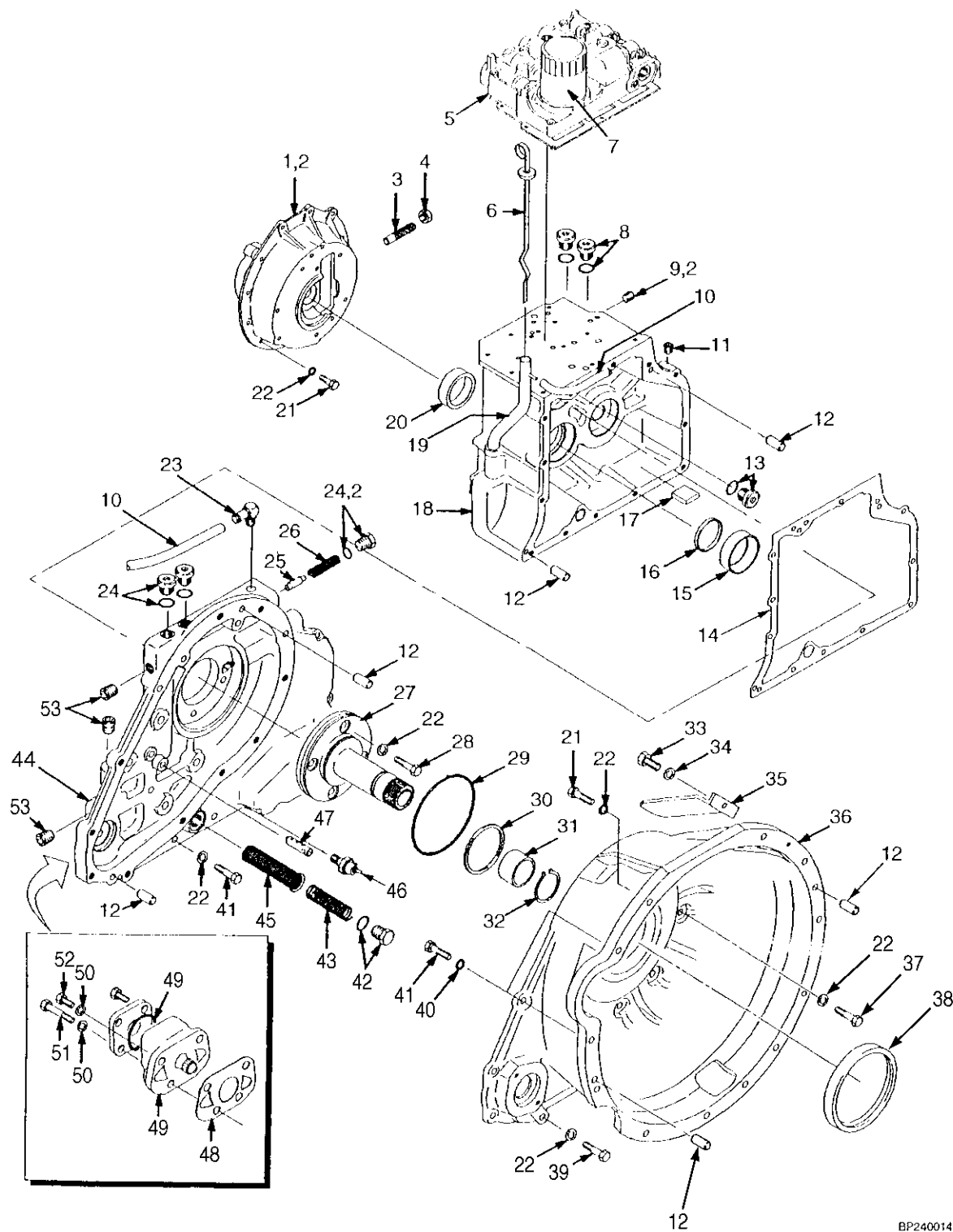
2 OF 2

T078 (INPUT AND COUNTER CLUTCH)

ITEM	PART NO.	DESCRIPTION	QTY
1	1394932	Clutch Assembly (Input) (Forward)	1
2	1394931	Shaft	1
3	334439	Piston	1
4	334402	Seal	1
5	346795	O-Ring	1
6	334595	Spring	1
7	334480	Snap Ring	1
8	334449	Guide	1
9	1387235	Plate (Separator)	5
9	334417	Plate (Separator)	5
10	1469300	Plate (Friction)	5
10	1469301	Plate (Friction)	5
11	334442	Plate (Pressure)	1
12	334475	Snap Ring	1
13	361895	Clutch Assembly (Counter) (Reverse)	1
14	361893	Shaft	1
15	346795	O-Ring	1
16	334402	Seal	1
17	334439	Piston	1
18	334595	Spring	1
19	334449	Guide	1
20	334480	Snap Ring	1
21	334417	Plate (Separator)	5
22	1469300	Plate (Friction)	5
23	334442	Plate (Pressure)	1
24	334475	Snap Ring	1
25	43207	Ball Bearing	2
26	43307	Ball Bearing	2
27	334429	Seal (Seal)	5
28	347767	Washer	4
29	347768	Washer	2
30	78826	Bearing	4
31	334454	Bearing (Thrust)	4
32	347770	Washer	2
33	347773	Snap Ring	2
34	360318	Gear (Clutch Output)	2
	352075	Seal Kit (Includes Items 4-5, 15-16)	1
	996297	Transmission Kit (Includes Items 4-5, 7, 9-12, 15-16, 20-33)	1

TRANSMISSION (Figure 5-3)

1 OF 2
T080
(⇒S/N PENDING PER ECN 74068)



BP240014

TRANSMISSION

1 OF 2

T080

(⇒S/N PENDING PER ECN 74068)

ITEM	PART NO.	DESCRIPTION	QTY
	a 1394942	Transmission.....	1
	b 1460975	Transmission.....	1
	cd 1486349	Transmission.....	1
	e 2045461	Transmission.....	1
1	h 380478	Differential	1
1	i 1383450	Differential	1
2	264159	Adhesive.....	AR
3	334571	Screw	1
4	15032	Nut.....	1
5	1391377	Control Valve (☞ Figure 5-11)	1
5	1460959	Control Valve (☞ Figure 5-12)	1
6	1343533	Dipstick.....	1
7	1328692	Filter	1
8	134436	Fitting.....	2
8	16482	O-Ring.....	2
9	15347	Fitting.....	1
10	193772	Hose	1
10	1389608	Hose (Optional)	1
11	15483	Fitting.....	1
12	302385	Pin	4
13	222443	Fitting.....	1
13	16483	O-Ring.....	1
14	1334772	Gasket	1
15	137282	Bearing Cup	1
16	1526166	Seal (Double Lip).....	1
17	334560	Magnet	1
18	1334717	Housing	1
19	1338259	Tube.....	1
20	230419	Bearing Cup	1
21	287860	Capscrew	21
22	292682	Lockwasher	21
23	1316809	Fitting.....	1
24	235691	Fitting.....	3
24	16484	O-Ring.....	3
25	287472	Spool	1
26	1460948	Spring (Main Relief)	1
27	1394923	Stator.....	1
28	136985	Capscrew	4
29	1337051	O-Ring.....	1
30	1339332	Ring.....	1
31	1339334	Spacer	1
32	12891	Snap Ring.....	1
33	287817	Capscrew	2
34	292680	Lockwasher	2
35	1375148	Cover.....	2
36	1375183	Housing (Torque Converter)	1
37	292519	Capscrew	2
38	f 1337052	Seal	1
38	g 1498636	Seal	1

TRANSMISSION
1 OF 2
T080
(⇒S/N PENDING PER ECN 74068)

ITEM	PART NO.	DESCRIPTION	QTY
39	292516	Capscrew	16
40	292683	Lockwasher	2
41	292524	Capscrew	4
42	14604	Fitting.....	1
42	16487	O-Ring.....	1
43	334452	Spring.....	1
44	1367430	Cover.....	1
45	334450	Screen.....	1
46	1322627	Switch (Oil Temperature Warning)	1
47	1343557	Tube.....	1
48	1334771	Gasket.....	1
49	1335921	Pump.....	1
49	1355348	Seal.....	1
50	292681	Lockwasher	4
51	136703	Capscrew	2
52	176640	Capscrew	2
53	15314	Fitting.....	3

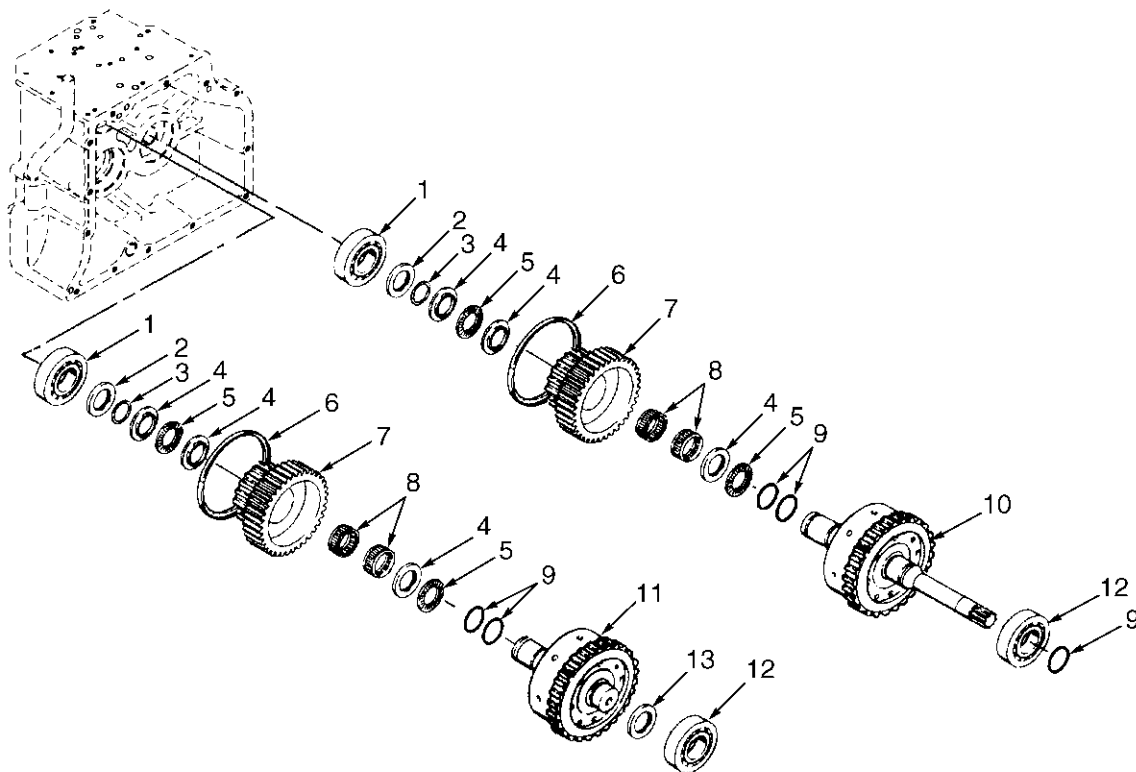
FOOTNOTES:

- a** ⇒ S/N H177B-09189
b S/N H177B-09189⇒S/N H177B-30180
c S/N H177B-30181 ⇒
d ⇒ S/N T080M-04775
e S/N T080M-04776 ⇒
f ⇒ S/N T080M-4189
g S/N T080M-4190 ⇒
h ⇒ D/B 07/1998
i D/B 07/1998 ⇒

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TRANSMISSION (Figure 5-4)

2 OF 2
T080
(⇒S/N PENDING PER ECN 74068)



BP240015

TRANSMISSION

2 OF 2

T080

(⇒S/N PENDING PER ECN 74068)

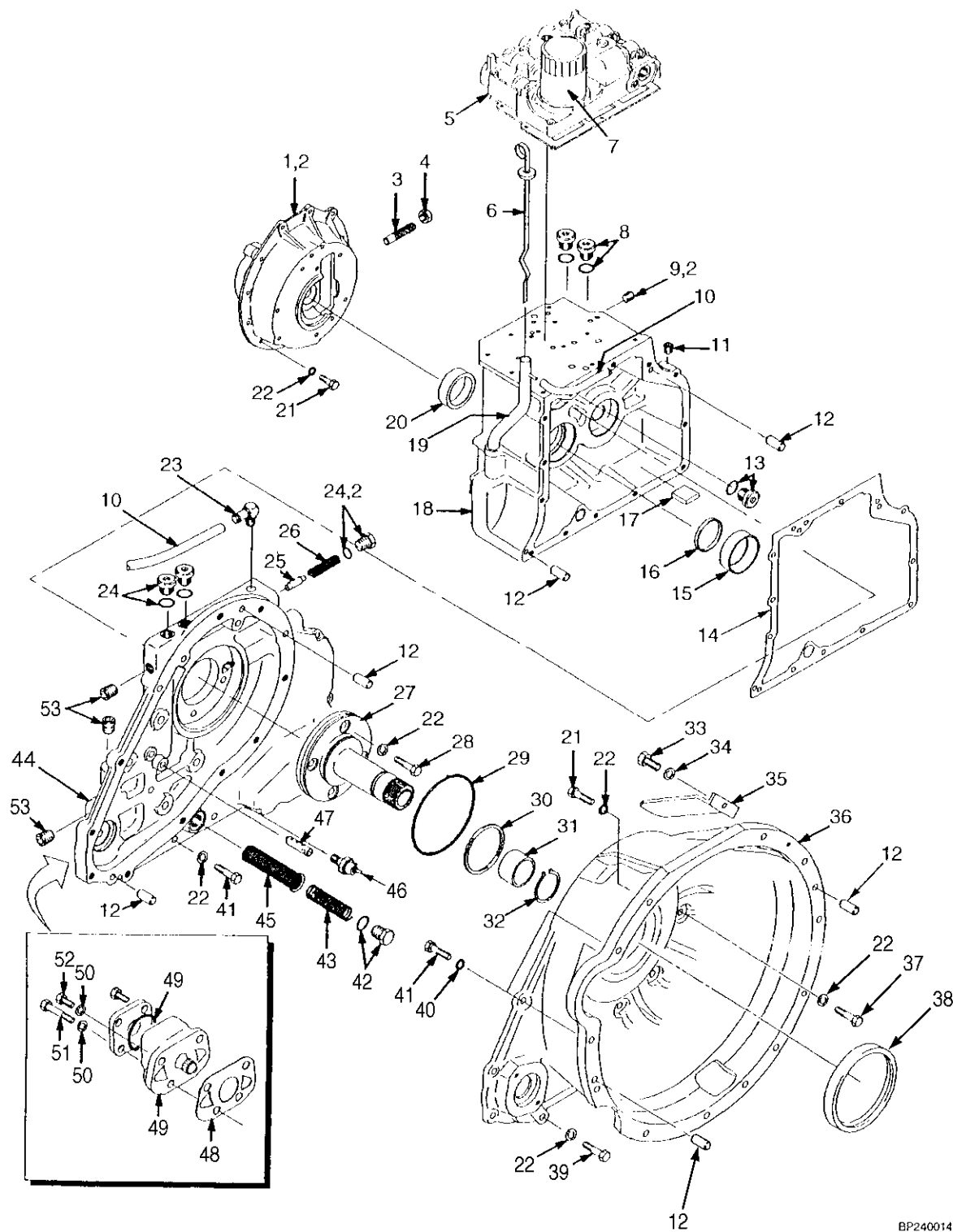
ITEM	PART NO.	DESCRIPTION	QTY
	a 1394942	Transmission.....	1
	b 1460975	Transmission.....	1
	cf 1486349	Transmission.....	1
	g 2045461	Transmission.....	1
1	43307	Ball Bearing.....	1
2	1394894	Washer.....	1
3	347773	Snap Ring.....	1
4	1394888	Washer.....	3
5	1394887	Bearing (Thrust).....	2
6	1386958	O-Ring.....	1
7	d 1394884	Gear (Clutch Output).....	1
7	e 1485882	Gear (Clutch Output).....	1
8	1394886	Bearing.....	2
9	334429	Seal (Input).....	3
9	334429	Seal (Counter).....	2
10	h 1394902	Clutch Assembly (Input) (Forward).....	1
10	i 1486367	Clutch Assembly (Input) (Forward).....	1
10	g 1495767	Clutch Assembly (Input) (Forward).....	1
11	h 1394903	Clutch Assembly (Counter) (Reverse).....	1
11	i 1486368	Clutch Assembly (Counter) (Reverse).....	1
11	g 1495768	Clutch Assembly (Counter) (Reverse).....	1
12	43207	Ball Bearing.....	1
13	1394895	Spacer (Counter Clutch Only).....	1

FOOTNOTES:

- a** ⇒ S/N H177B-09189
b S/N H177B-09190⇔S/N H177B-30180
c S/N H177B-30181 ⇒
d ⇒ S/N T080M-004189
e S/N T080M-004190 ⇒
f ⇒ S/N T080M-04775
g S/N T080M-04776 ⇒
h ⇒ S/N T080M-4189
i S/N T080M-4190⇔S/N T080M-04775

TRANSMISSION (Figure 5-5)

1 OF 2
T109
(S/N PENDING PER ECN 74068⇒)



BP240014

TRANSMISSION

1 OF 2

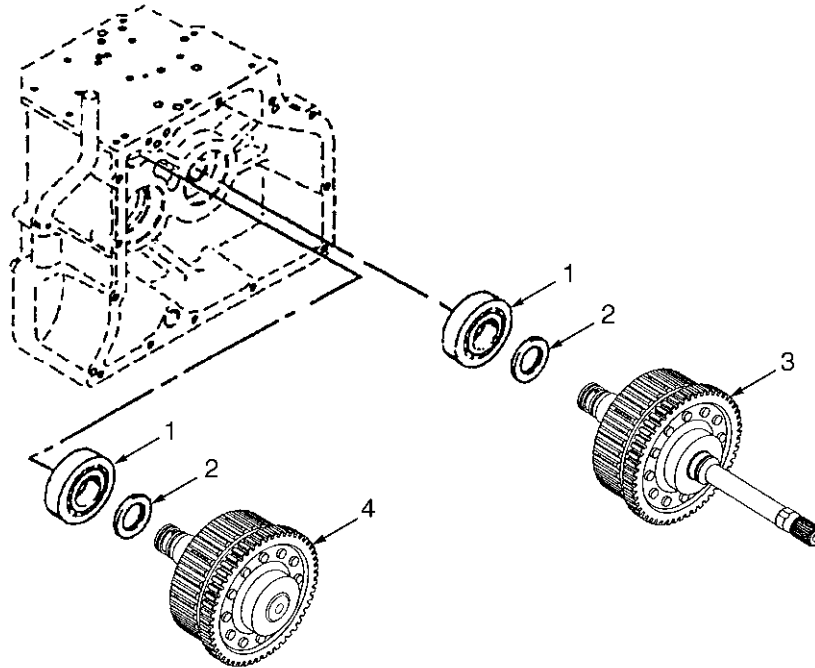
T109

(S/N PENDING PER ECN 74068⇒)

ITEM	PART NO.	DESCRIPTION	QTY
	2060653	Transmission.....	1
1	1383450	Differential (☞ Figure 5-15)	1
2	264159	Adhesive.....	AR
3	334571	Screw	1
4	15032	Nut.....	1
5	1460959	Control Valve (☞ Figure 5-12)	1
6	1343533	Dipstick.....	1
7	1328692	Filter	1
8	134436	Fitting.....	2
8	16482	O-Ring.....	2
9	15347	Fitting.....	1
10	193772	Hose	1
10	1389608	Hose (Optional)	1
11	15483	Fitting.....	1
12	302385	Pin	4
13	222443	Fitting.....	1
13	16483	O-Ring.....	1
14	1334772	Gasket	1
15	137282	Bearing Cup	1
16	1526166	Seal (Double Lip).....	1
17	334560	Magnet	1
18	1334717	Housing	1
19	1338259	Tube.....	1
20	230419	Bearing Cup	1
21	287860	Capscrew	21
22	292682	Lockwasher	21
23	1316809	Fitting.....	1
24	235691	Fitting.....	3
24	16484	O-Ring.....	3
25	287472	Spool	1
26	1460948	Spring (Main Relief)	1
27	1524233	Stator.....	1
28	136985	Capscrew	4
29	1337051	O-Ring.....	1
30	1339332	Ring.....	1
31	1339334	Spacer	1
32	12891	Snap Ring.....	1
33	287817	Capscrew	2
34	292680	Lockwasher	2
35	1375148	Cover.....	2
36	1375183	Housing (Torque Converter)	1
37	292519	Capscrew	2
38	1498636	Seal	1
39	292516	Capscrew	16
40	292683	Lockwasher	2
41	292524	Capscrew	2
42	14604	Fitting.....	1
42	16487	O-Ring.....	1
43	334452	Spring.....	1

TRANSMISSION
1 OF 2
T109
(S/N PENDING PER ECN 74068⇒)

ITEM	PART NO.	DESCRIPTION	QTY
44	1367430	Cover.....	1
45	334450	Screen.....	1
46	1322627	Switch (Oil Temperature Warning)	1
47	1343557	Tube.....	1
48	1334771	Gasket.....	1
49	1335921	Pump.....	1
49	1355348	Seal.....	1
50	292681	Lockwasher	4
51	136703	Capscrew	2
52	176640	Capscrew	2
53	15314	Fitting.....	3

TRANSMISSION (Figure 5-6)**2 OF 2****T109****(S/N PENDING PER ECN 74068⇒)**

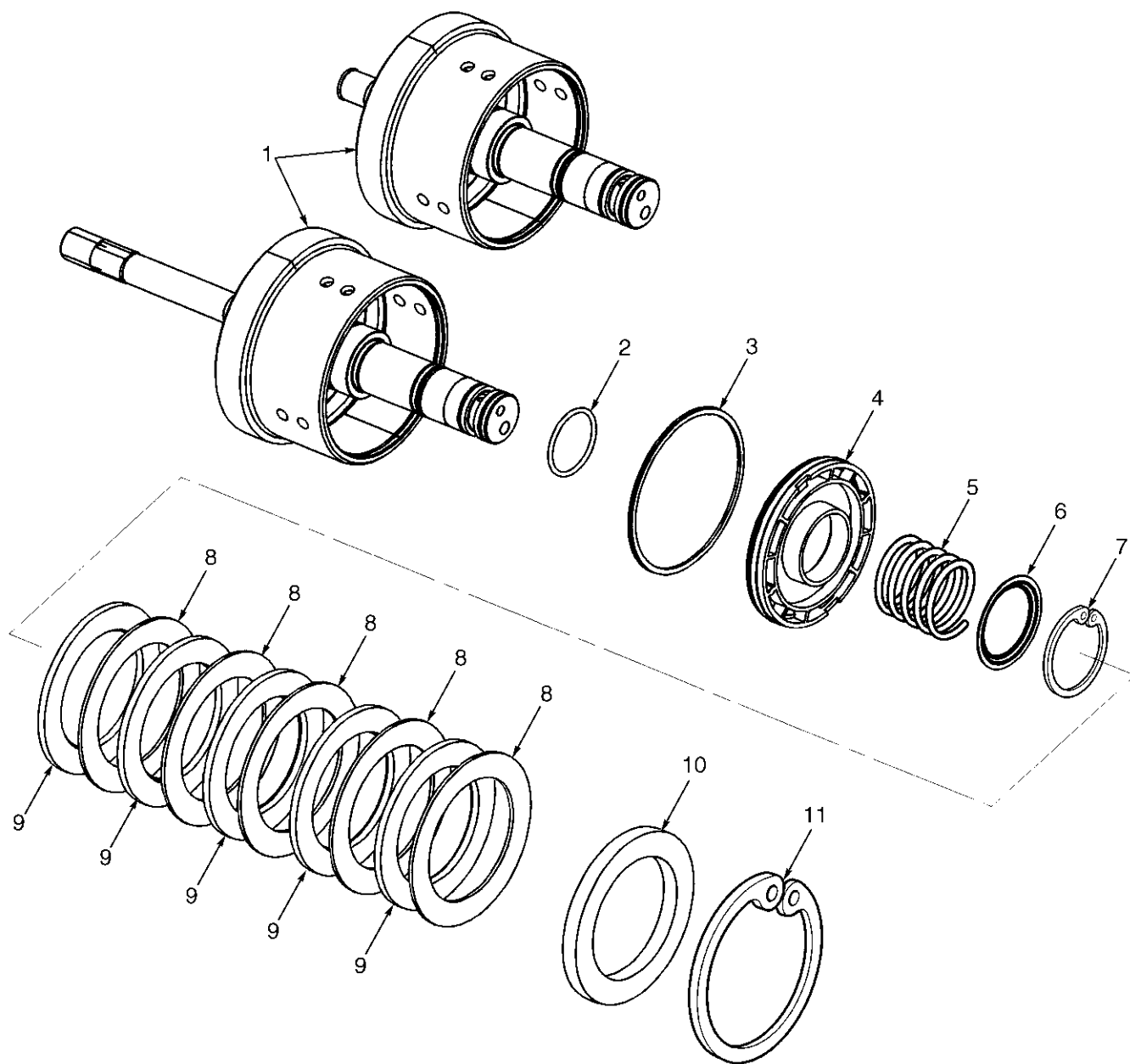
BP240021

ITEM	PART NO.	DESCRIPTION	QTY
	2060653	Transmission.....	1
1	2029344	Bearing.....	2
2	1538089	Washer (Stepped)	2
3	1522243	Clutch Pack Assembly (Input) (Forward) (⚙ Figure 5-10)	1
4	1522294	Clutch Pack Assembly (Counter) (Reverse) (⚙ Figure 5-10)	1

INPUT AND COUNTER CLUTCH (Figure 5-7)

T080

(⇒S/N T080M-4189)



BP240013

INPUT AND COUNTER CLUTCH

T080

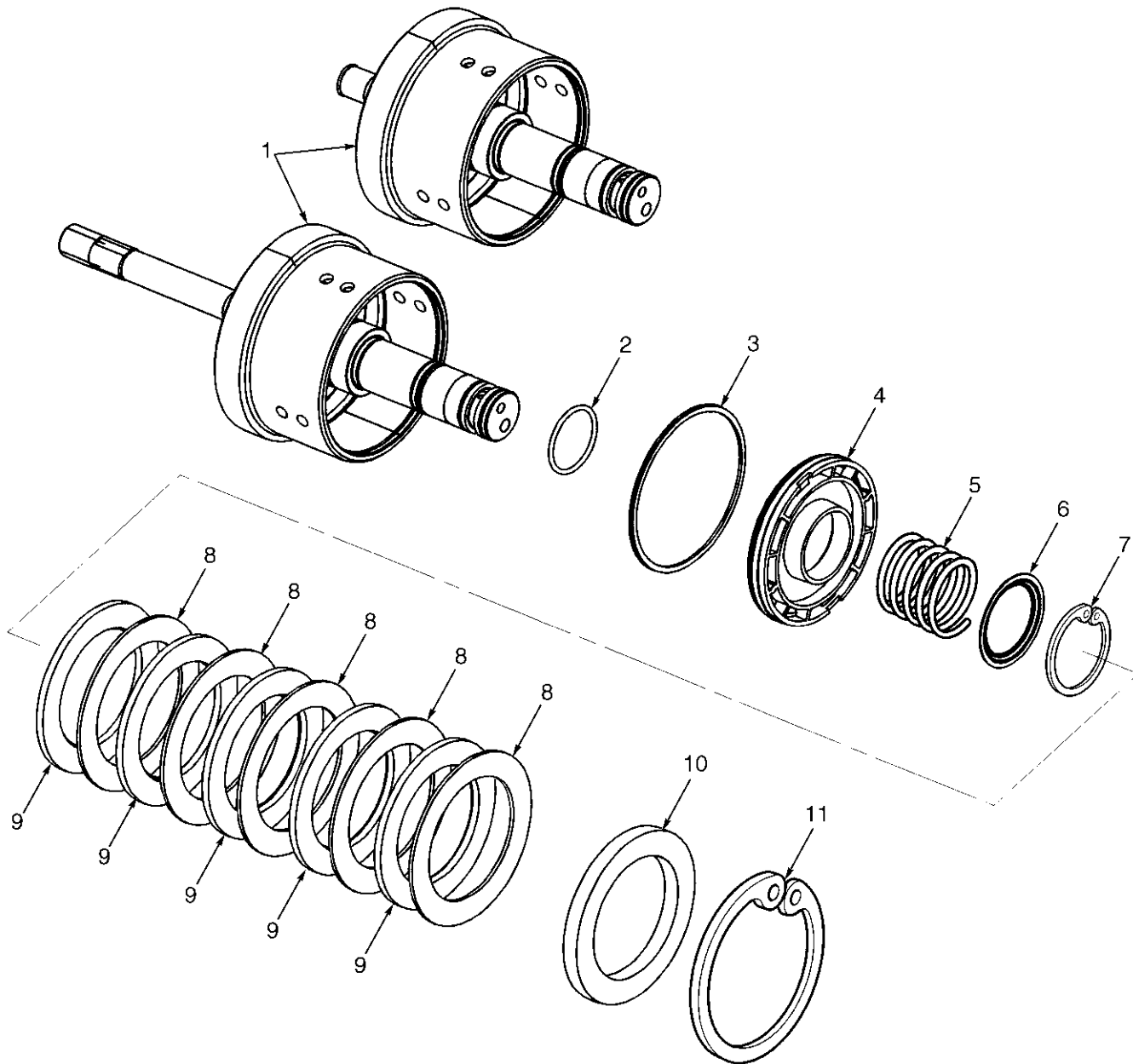
(⇒S/N T080M-4189)

ITEM	PART NO.	DESCRIPTION	QTY
	1394902	Clutch Assembly (Input) (Forward)	1
	1394903	Clutch Assembly (Counter) (Reverse)	1
1	1394908	Shaft (Input, Long Shaft)	1
1	1394909	Shaft (Counter) (Short Shaft)	1
2	1394879	O-Ring	1
3	334402	Seal	1
4	1394885	Piston	1
5	1394882	Spring	1
6	1394893	Guide	1
7	1394912	Snap Ring	1
8	334417	Plate (Separator)	5
9	346796	Plate (Friction)	5
9	1469301	Plate (Friction)	1
10	1394881	Pressure Plate (0.248-0.252 in.) (Shimming)	1
11	334475	Snap Ring	1

INPUT AND COUNTER CLUTCH (Figure 5-8)

T080

(S/N T080M-04190↔S/N T080M-04775)



BP240013

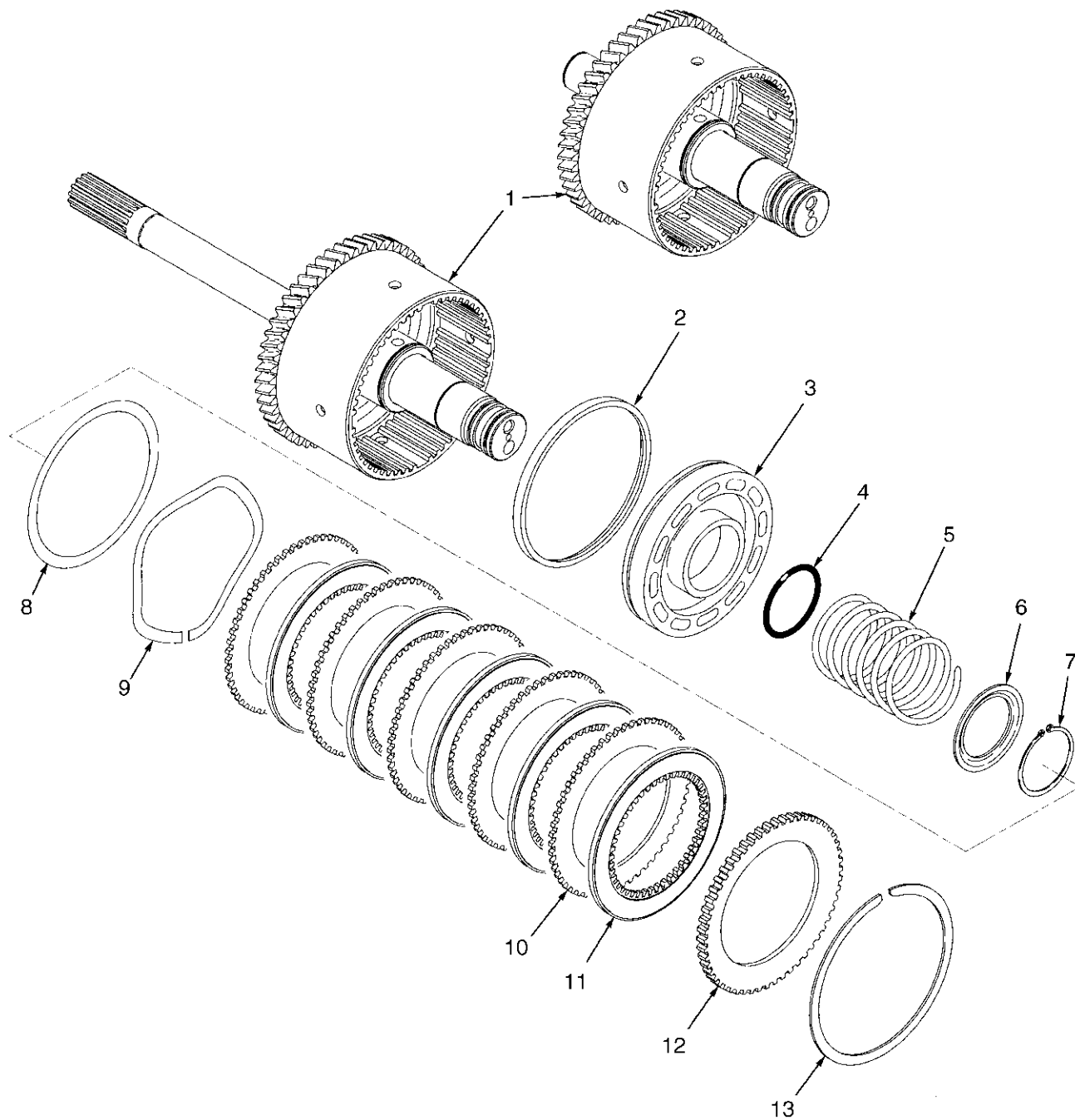
INPUT AND COUNTER CLUTCH **T080** **(S/N T080M-04190↔S/N T080M-04775)**

ITEM	PART NO.	DESCRIPTION	QTY
	1486367	Clutch Assembly (Input) (Forward)	1
	1486368	Clutch Assembly (Counter) (Reverse)	1
1	1394908	Shaft (Input, Long Shaft)	1
1	1394909	Shaft (Counter) (Short Shaft)	1
2	1394879	O-Ring	1
3	334402	Seal	1
4	1394885	Piston	1
5	1394882	Spring	1
6	1394893	Guide	1
7	1394912	Snap Ring	1
8	1469301	Plate (Friction)	5
9	1387235	Plate (Separator)	5
10	1394881	Pressure Plate (0.248-0.252 in.) (Shimming)	1
11	334475	Snap Ring	1

INPUT AND COUNTER CLUTCH (Figure 5-9)

T080

(S/N T080M-04776↔S/N PENDING PER ECN 74068)



BP240010

INPUT AND COUNTER CLUTCH**T080****(S/N T080M-04776 ⇔ S/N PENDING PER ECN 74068)**

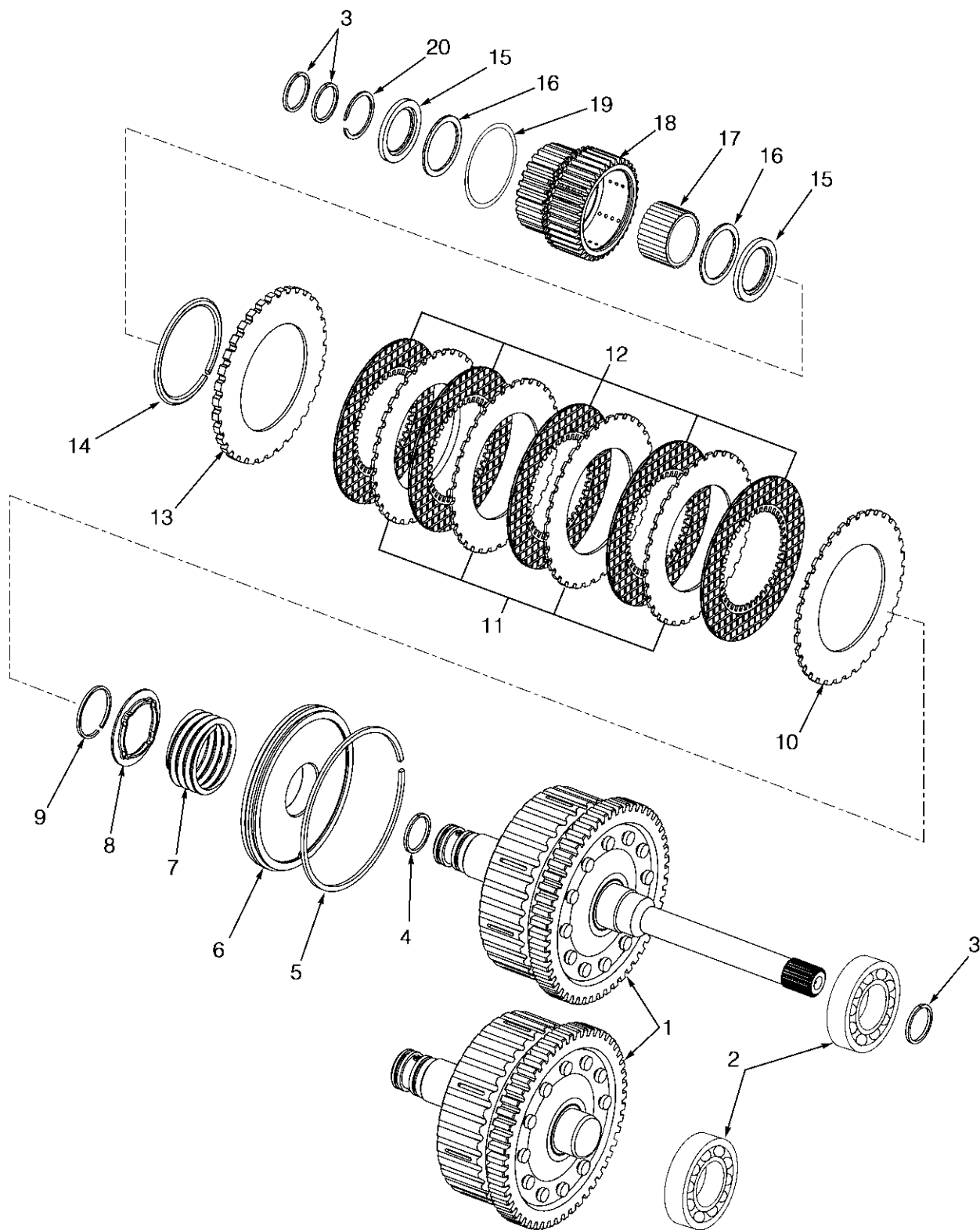
ITEM	PART NO.	DESCRIPTION	QTY
	1495767	Clutch Assembly (Input) (Forward)	1
	1495768	Clutch Assembly (Counter) (Reverse)	1
1	1486546	Shaft (Input, Long Shaft)	1
1	1486547	Shaft (Counter) (Short Shaft)	1
2	334402	Seal	1
3	a 2043322	Piston	1
3	b 1523953	Piston	1
4	1394879	O-Ring	1
5	1394882	Spring	1
6	1394893	Guide	1
7	1394912	Snap Ring	1
8	a 1473594	Back-Up Washer	1
8	b 1515680	Back-Up Washer	1
9	a 1473595	Wave Spring	1
9	b 1523551	Wave Spring	1
10	1387235	Plate (Separator)	5
11	1469301	Plate (Friction)	5
12	1394881	Pressure Plate (0.248-0.252 in.) (Shimming)	1
12	1487201	Pressure Plate (0.272-0.276 in.) (Shimming) (Optional)	1
12	1545871	Pressure Plate (0.201-0.205 in.) (Shimming, Stepped) (Optional)	1
12	1487202	Pressure Plate (0.220-0.224 in.) (Shimming, Stepped) (Optional)	1
13	334475	Snap Ring	1

FOOTNOTES:**a** ⇒ S/N T080M-05840**b** S/N T080M-05841 ⇒

INPUT AND COUNTER CLUTCH (Figure 5-10)

T109

(S/N PENDING PER ECN 74068⇒)



BP240022

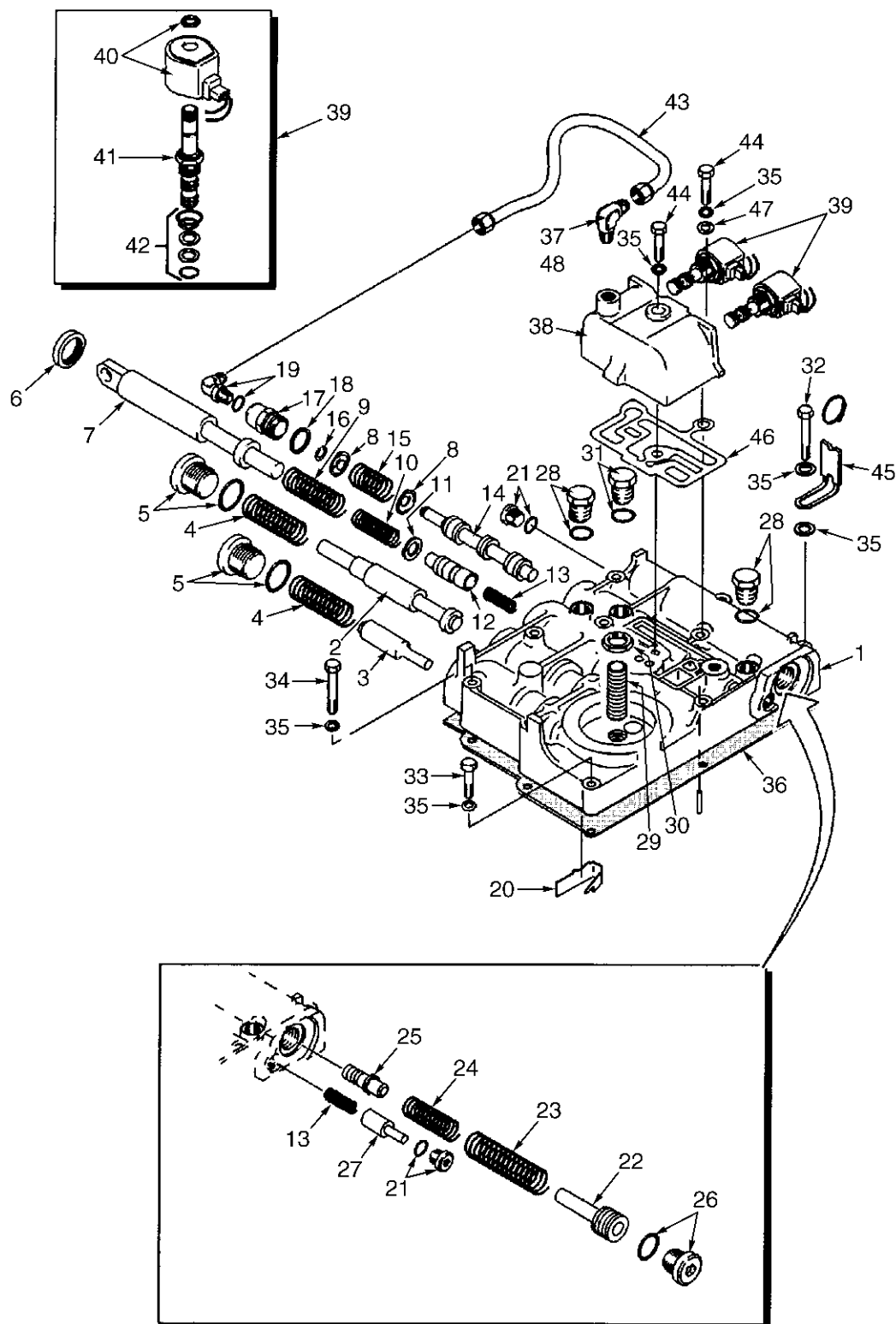
INPUT AND COUNTER CLUTCH **T109** **(S/N PENDING PER ECN 74068⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
	1522243	Clutch Pack Assembly (Input) (Forward)	1
	1522294	Clutch Pack Assembly (Counter) (Reverse)	1
1		Input Shaft (Long Shaft)	1
1		Countershaft (Short).....	1
2	1537455	Bearing (Ball)	1
3		Seal Ring.....	3
4		Seal Ring.....	1
5		Seal Ring.....	1
6	1537441	Piston	1
7	1537444	Spring.....	1
8	1537445	Spring Guide	1
9	1537446	Snap Ring.....	1
10		Plate (Conical).....	1
11		Plate (Separator)	4
12		Plate (Friction)	5
13	a 1543098	Plate (0.205 in.) (Pressure).....	1
13	a 1543097	Plate (0.213 in.) (Pressure).....	1
13	a 1543096	Plate (0.220 in.) (Pressure).....	1
13	a 1543094	Plate (0.228 in.) (Pressure).....	1
13	a 1537449	Plate (0.236 in.) (Pressure).....	1
14	1537450	Snap Ring.....	1
15		Washer (Thrust)	2
16		Bearing (Needle Thrust).....	2
17	2043440	Bearing (Needle)	1
18	1537451	Gear (Output)	1
19		Seal (D-Ring).....	1
20	1537459	Snap Ring.....	1
	1543102	Disk Kit (Includes Items 10-12).....	1
	1543104	Seal Kit (Includes Items 3-5, 19)	1
	1543105	Repair Kit (Includes Items 3-5, 10-12, 19).....	1
	1543106	Thrust Needle Bearing Kit (Includes Items 15-16).....	1

FOOTNOTES:

a Refer to the service manual to determine the correct pressure plate.

CONTROL VALVE (Figure 5-11) T078 AND T080



BP240017

**CONTROL VALVE
T078 AND T080**

ITEM	PART NO.	DESCRIPTION	QTY
	1391377	Control Valve	1
1	1388559	Body	1
2	359223	Spool	1
3	334524	Spool	1
4	334525	Spring	2
5	235691	Fitting.....	2
5	16484	O-Ring.....	1
6	334500	Oil Seal.....	1
7	1337817	Plunger	1
8	346648	Cap	2
9	334531	Spring	1
10	1347300	Spring	1
11	296418	Washer	1
12	334532	Spool (Inching)	1
13	334543	Spring	2
14	369922	Spool	1
15	346645	Spring	1
16	346650	Snap Ring.....	1
17	375986	Cap	1
18	367945	Gasket	1
19	16556	Fitting.....	1
19	16481	O-Ring.....	1
20	350484	Stop (Inching)	1
21	222443	Fitting.....	2
21	16483	O-Ring.....	1
22	334582	Spool (Trimmer).....	1
23	361877	Spring	1
24	361876	Spring	1
25	359221	Spool (Accumulator)	1
26	200659	Fitting.....	1
26	16982	O-Ring.....	1
27	334542	Spool (Dump)	1
28	14592	Fitting.....	2
28	16482	O-Ring.....	1
29	181766	Nipple	1
30	15032	Nut	1
31	134436	Fitting.....	1
31	16482	O-Ring.....	1
32	136704	Capscrew.....	3
33	292508	Capscrew.....	1
34	292509	Capscrew.....	3
35	320157	Washer	11
36	1386940	Gasket	1
37	14500	Fitting.....	1
38	1391375	Manifold Valve.....	1
39	1390609	Solenoid Valve.....	2
40	1393164	Nut	1
40	1357036	Coil.....	1
41	1312331	Cartridge	1
42	a 1393160	Seal Kit.....	1
43	1302973	Tube	1

**CONTROL VALVE
T078 AND T080**

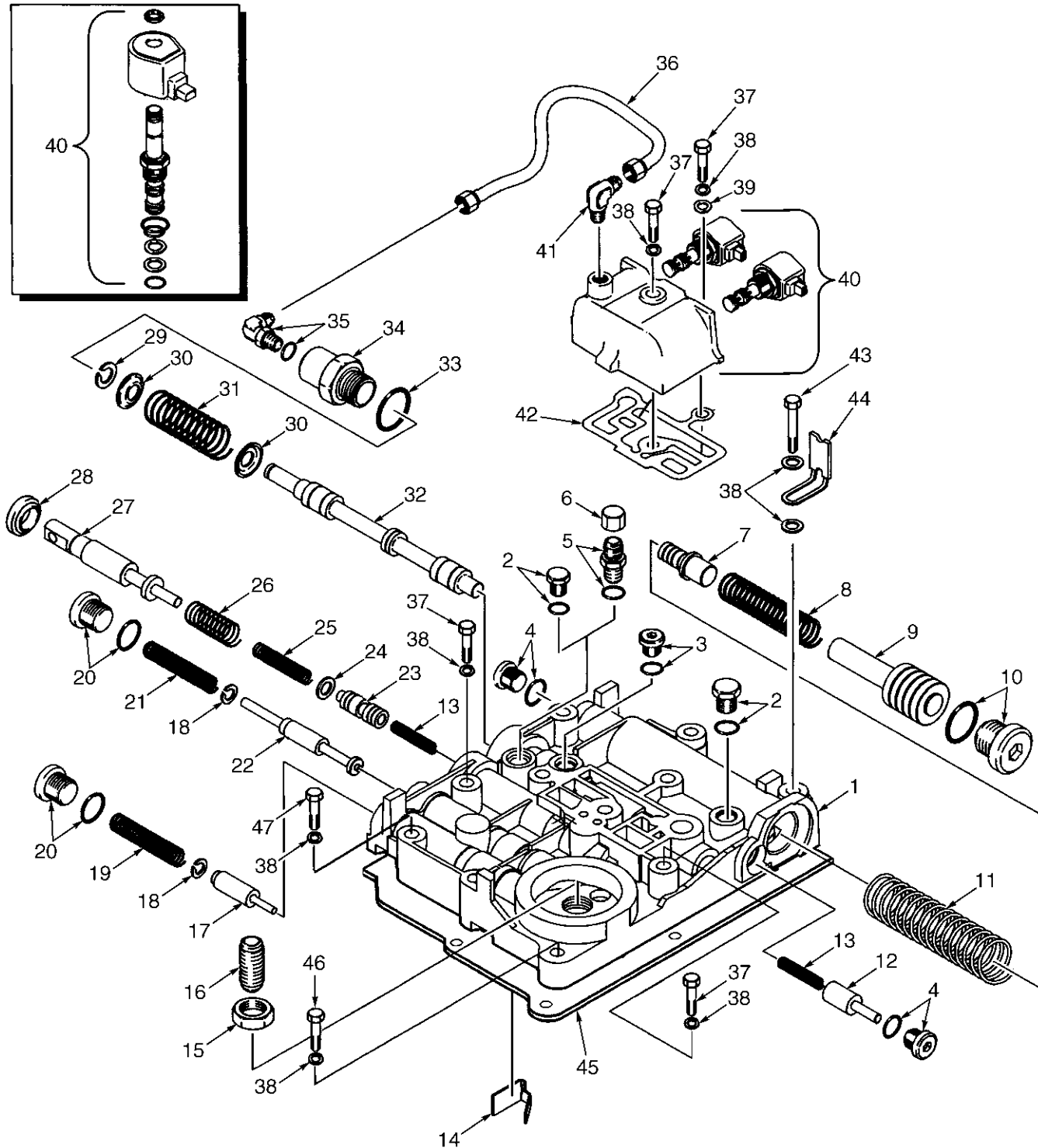
ITEM	PART NO.	DESCRIPTION	QTY
44	346656	Capscrew.....	4
45	325897	Clamp	1
46	1302972	Gasket	1
47	15932	Washer	1
48	246108	Sealant	AR
	373833	Seal Kit (Includes Items 5-6, 18-19, 21, 26, 28, 31, 36)	1

FOOTNOTES:

a Services One Solenoid Valve

[illegible]

CONTROL VALVE (Figure 5-12) T080 AND T109



BP140009

**CONTROL VALVE
T080 AND T109**

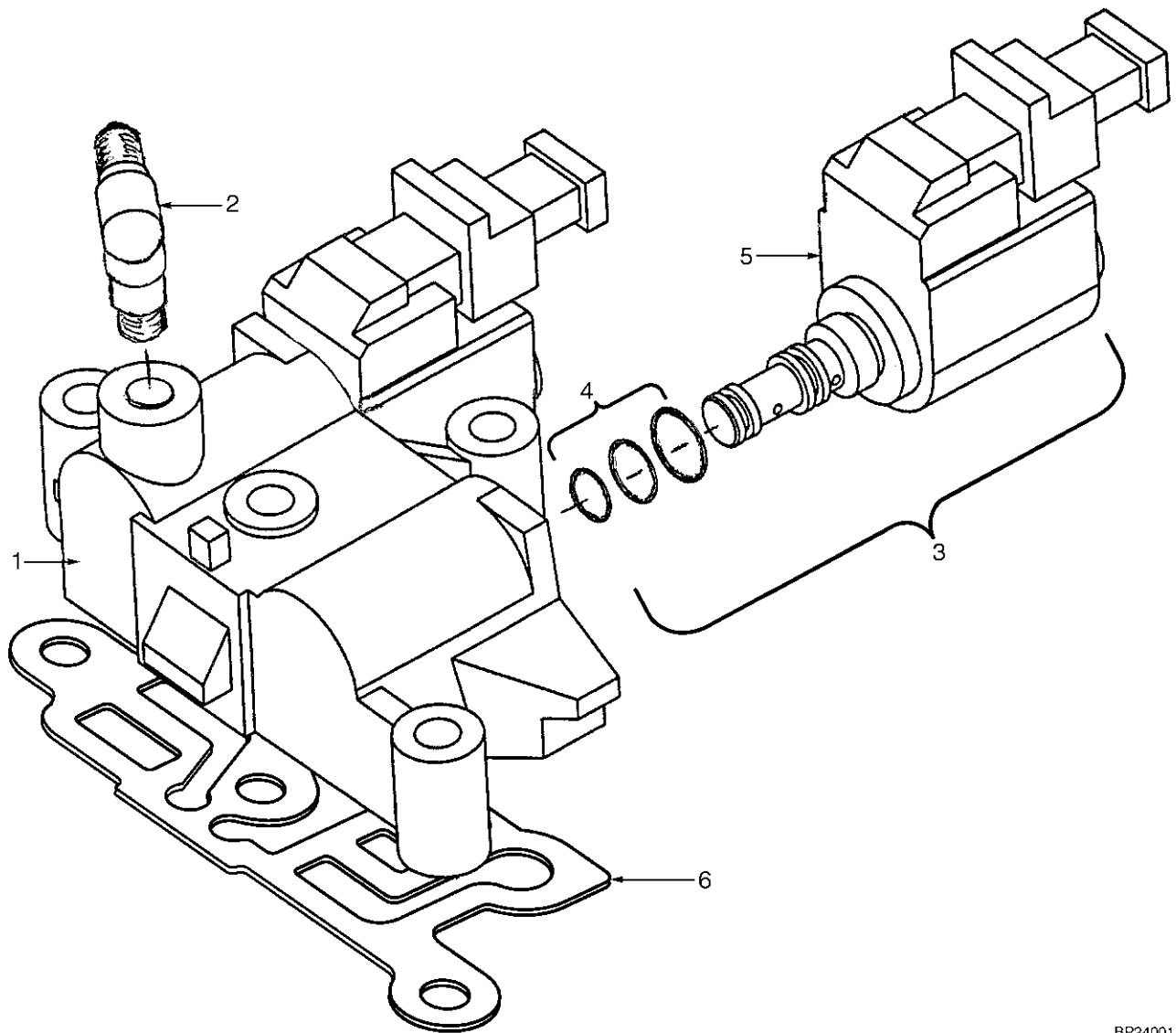
ITEM	PART NO.	DESCRIPTION	QTY
	1460959	Control Valve	1
1	1396637	Body	1
2	14592	Fitting.....	1
2	16482	O-Ring.....	1
3	134436	Fitting.....	2
3	16482	O-Ring.....	1
4	222443	Fitting.....	2
4	16483	O-Ring.....	1
5	222380	Fitting.....	1
5	16482	O-Ring.....	1
6	16923	Fitting.....	1
7	334582	Spool (Trimmer).....	1
8	361877	Spring.....	2
9	359221	Spool (Accumulator).....	1
10	200659	Fitting.....	1
10	16482	O-Ring.....	1
11	361876	Spring.....	1
12	334542	Spool (Dump)	1
13	334543	Spring.....	1
14	350484	Stop (Inching)	2
15	15032	Nut.....	1
16	181766	Nipple	1
17	1394710	Spool (Regulator)	1
18	1394714	Snap Ring.....	1
19	1394711	Spring.....	1
20	235691	Fitting.....	1
20	16484	O-Ring.....	1
21	1461077	Spring.....	2
22	1388924	Spool (Pack Regulator)	1
23	1483109	Spool (Inching)	1
24	296418	Washer	1
25	1387230	Spring.....	1
26	334531	Spring.....	1
27	1337817	Plunger.....	1
28	334500	Oil Seal.....	1
29	346650	Snap Ring.....	1
29	58936	Snap Ring.....	1
30	346648	Cap.....	1
31	346645	Spring.....	1
32	1490381	Spool (Forward/Reverse).....	1
33	367945	Gasket	1
34	375986	Cap.....	1
35	16556	Fitting.....	1
35	16481	O-Ring.....	1
36	1302973	Tube	1
37	292522	Capscrew.....	4
38	320157	Washer	12
39	15932	Washer	1
40	a 1391375	Manifold Valve.....	1
40	1390610	Solenoid Valve.....	2
40	1393164	Nut	1

**CONTROL VALVE
T080 AND T109**

ITEM	PART NO.	DESCRIPTION	QTY
40	1452595	Coil.....	1
40	1452596	Cartridge.....	1
40	1393160	Seal Kit.....	1
40	b 1400159	Manifold Valve (☞ Figure 5-13)	1
41	14500	Fitting.....	1
42	1388573	Gasket (Manifold)	1
43	136704	Capscrew.....	3
44	1385873	Strap	1
45	1386940	Gasket	1
46	292508	Capscrew.....	1
47	292509	Capscrew.....	3
	373833	Seal Kit (Includes Items 2-5, 10, 20, 28, 35, 42, 45)	1

FOOTNOTES:**a** ⇒ S/N H177B-30180**b** S/N H177B-30181 ⇒

MANIFOLD VALVE (Figure 5-13)
T080 AND T109
(S/N H177B-30181Y⇒ INC. 30117, 30173, 30179)



BP240011

ITEM	PART NO.	DESCRIPTION	QTY
	1400159	Manifold Valve.....	1
1	1388563	Manifold.....	1
2	14500	Fitting.....	1
2	246108	Sealant	AR
3	1400158	Solenoid Valve.....	2
4	a 1393160	Seal Kit.....	1
5	1464144	Coil.....	1
6	1388573	Gasket (Manifold)	1

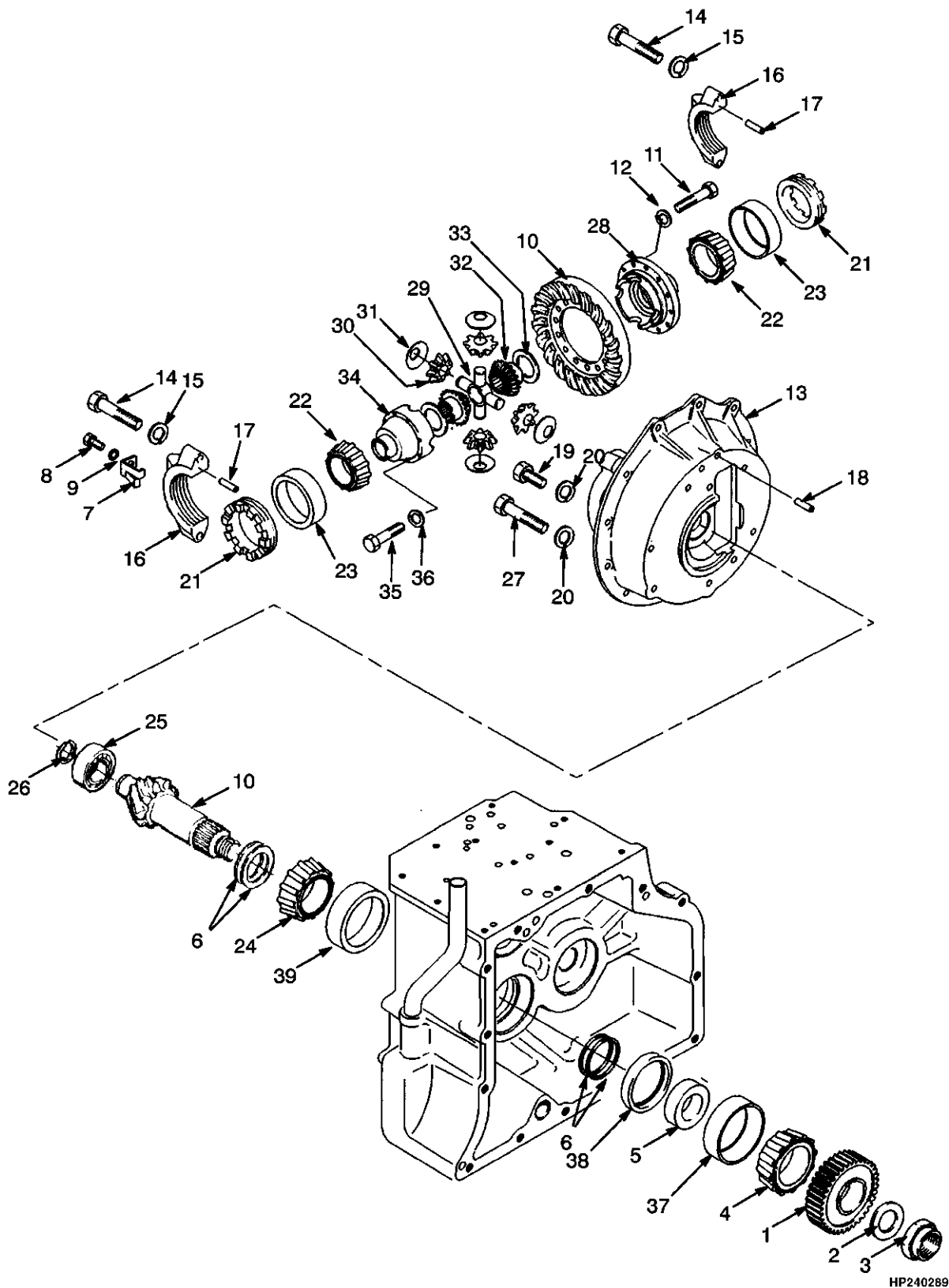
FOOTNOTES:

a Services One Solenoid Valve

DIFFERENTIAL (Figure 5-14)

T078 AND T080

(⇒D/B 07/1998)



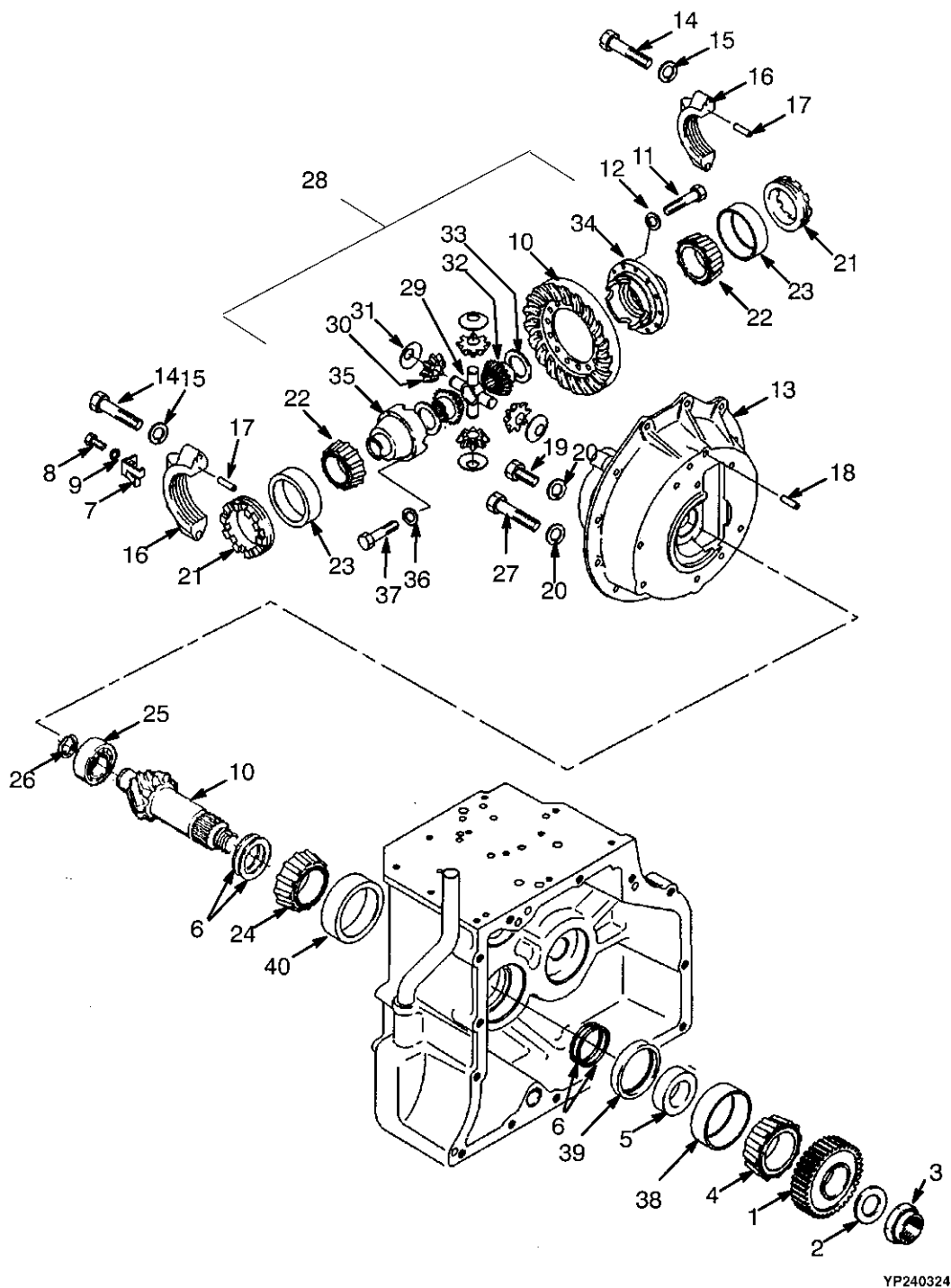
HP240289

**DIFFERENTIAL
T078 AND T080
(⇒D/B 07/1998)**

ITEM	PART NO.	DESCRIPTION	QTY
1	1386806	Gear (Output)	1
2	334587	Washer	1
3	304406	Nut	1
4	137283	Bearing Cone.....	1
5	334453	Spacer	1
6	346842	Shim (0.014 in.)	2
6	346843	Shim (0.015 in.)	2
6	346844	Shim (0.016 in.)	4
6	346845	Shim (0.020 in.)	4
6	346846	Shim (0.022 in.)	3
6	346847	Shim (0.025 in.)	3
7	334447	Lock Plate	2
8	287851	Capscrew.....	2
9	292681	Lockwasher.....	2
10	a 1343219	Gear Set (Hypoid).....	1
10	b 1483113	Gear Set (Hypoid).....	1
11	97577	Bolt	12
12	1474231	Washer	12
13	1334796	Housing	1
14	218599	Capscrew	4
15	221773	Washer	4
16		Bearing Cap	2
17	234038	Dowel Pin	4
18	309831	Pin	1
19	136985	Capscrew.....	8
20	292682	Lockwasher.....	10
21	347746	Nut	2
22	78584	Bearing Cone.....	2
23	45733	Bearing Cup.....	2
24	342734	Bearing Cone.....	1
25	135158	Roller Bearing.....	1
26	320264	Snap Ring.....	1
27	292519	Capscrew.....	2
28	380478	Differential.....	1
28	380479	Housing (Flanged).....	1
29	380489	Spider	1
30	380486	Pinion	4
31	380488	Washer	4
32	380483	Gear (Side).....	2
33	380485	Washer	2
34	380481	Housing	1
35	221550	Capscrew	8
36	334580	Washer	8
37	137282	Bearing Cup.....	1
38	1526166	Seal (Double Lip)	1
39	230419	Bearing Cup.....	1

FOOTNOTES:**a** ⇒ S/N T80B36193**b** S/N T80B36194 ⇒

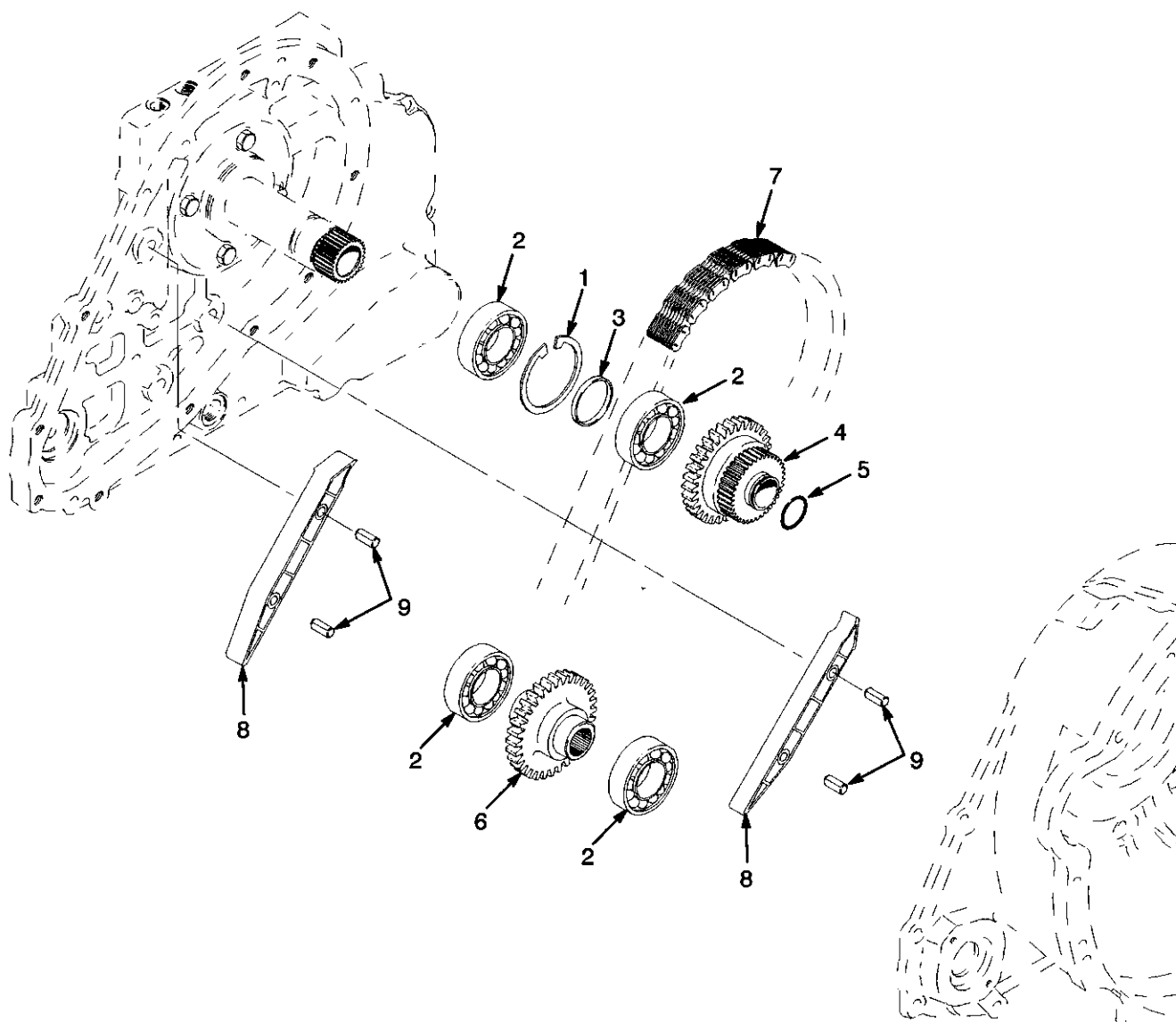
DIFFERENTIAL (Figure 5-15) T080 AND T109 (D/B 07/1998⇒)



**DIFFERENTIAL
T080 AND T109
(D/B 07/1998⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
1	1386806	Gear (Output)	1
2	334587	Washer	1
3	304406	Nut	1
4	137283	Bearing Cone.....	1
5	334453	Spacer	1
6	346846	Shim (0.022 in.)	3
6	346847	Shim (0.025 in.)	3
6	346842	Shim (0.014 in.)	2
6	346844	Shim (0.016 in.)	4
6	346845	Shim (0.020 in.)	4
6	346843	Shim (0.015 in.)	2
7	334447	Lock Plate	2
8	287851	Capscrew.....	2
9	292681	Lockwasher.....	2
10	1483113	Gear Set (Hypoid).....	1
11	97577	Bolt	12
12	1474231	Washer	12
13	1334796	Housing	1
14	218599	Capscrew	4
15	221773	Washer	4
16		Bearing Cap	2
17	234038	Dowel Pin	4
18	309831	Pin	1
19	136985	Capscrew.....	8
20	292682	Lockwasher.....	10
21	347746	Nut	2
22	78584	Bearing Cone.....	2
23	45733	Bearing Cup.....	2
24	342734	Bearing Cone.....	1
25	135158	Roller Bearing.....	1
26	320264	Snap Ring.....	1
27	292519	Capscrew.....	2
28	1383450	Differential.....	1
29	1383461	Spider	2
30	1383458	Pinion	4
31	1383460	Washer	4
32	1383455	Gear	2
33	1383457	Washer	2
34	1383451	Housing (Flanged).....	1
35	1383453	Housing	1
36	1383466	Washer	8
37	293657	Capscrew	8
38	137282	Bearing Cup.....	1
39	1526166	Seal (Double Lip)	1
40	230419	Bearing Cup.....	1

PUMP DRIVE (Figure 5-16)



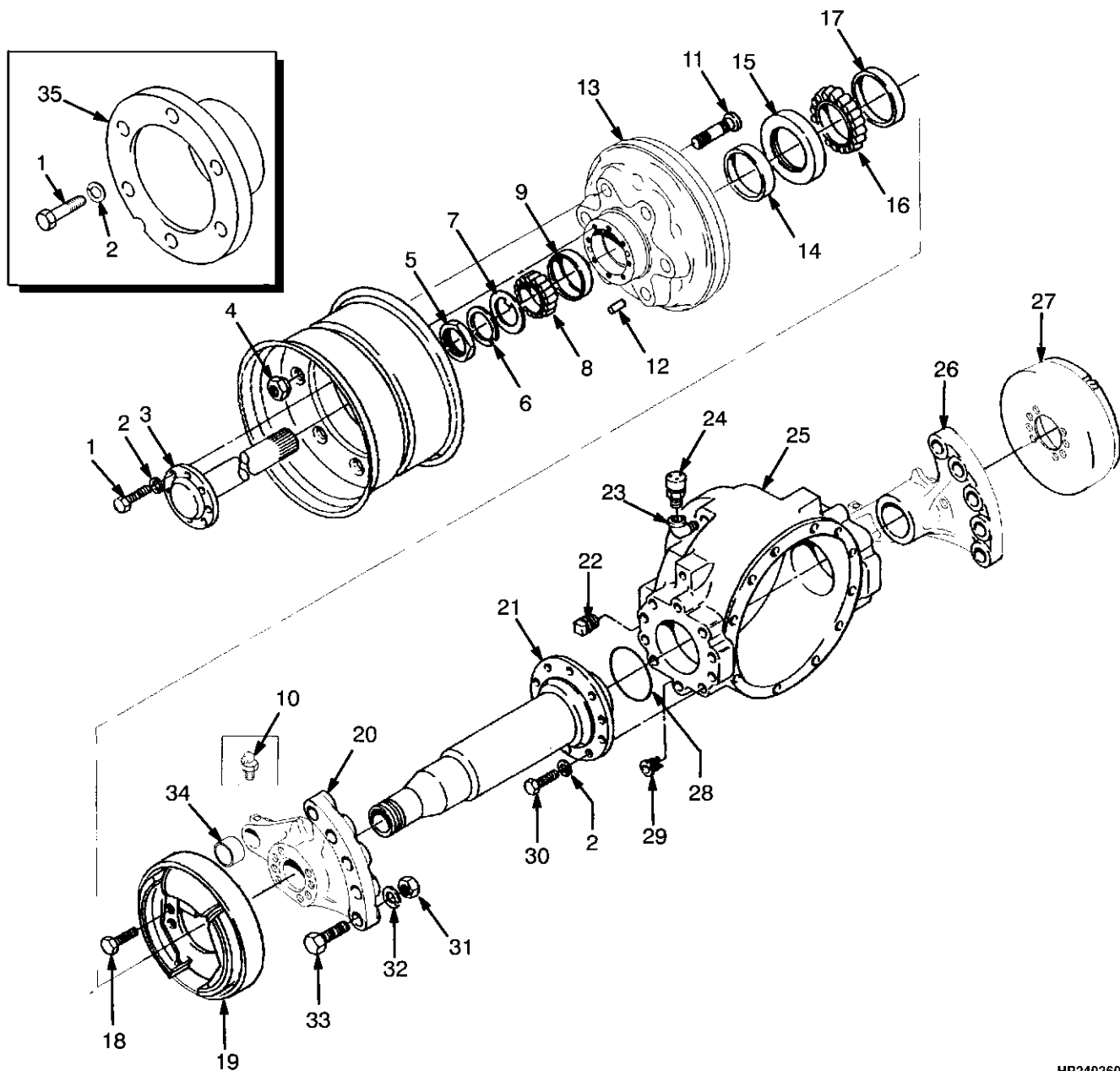
HP240293

PUMP DRIVE

ITEM	PART NO.	DESCRIPTION	QTY
1	12894	Snap Ring.....	1
2	44308	Ball Bearing	4
3	1394904	Spacer	1
4	a 1343479	Sprocket.....	1
4	b 1386813	Sprocket.....	1
5	1338296	O-Ring	1
6	1343480	Sprocket.....	1
7	1343478	Chain	1
8	1347158	Snubber	2
9	80952	Pin	4

FOOTNOTES:**a** ⇒ S/N T080M-4442**b** S/N T081M-4443 ⇒

DRIVE AXLE (Figure 5-17)



HP240260

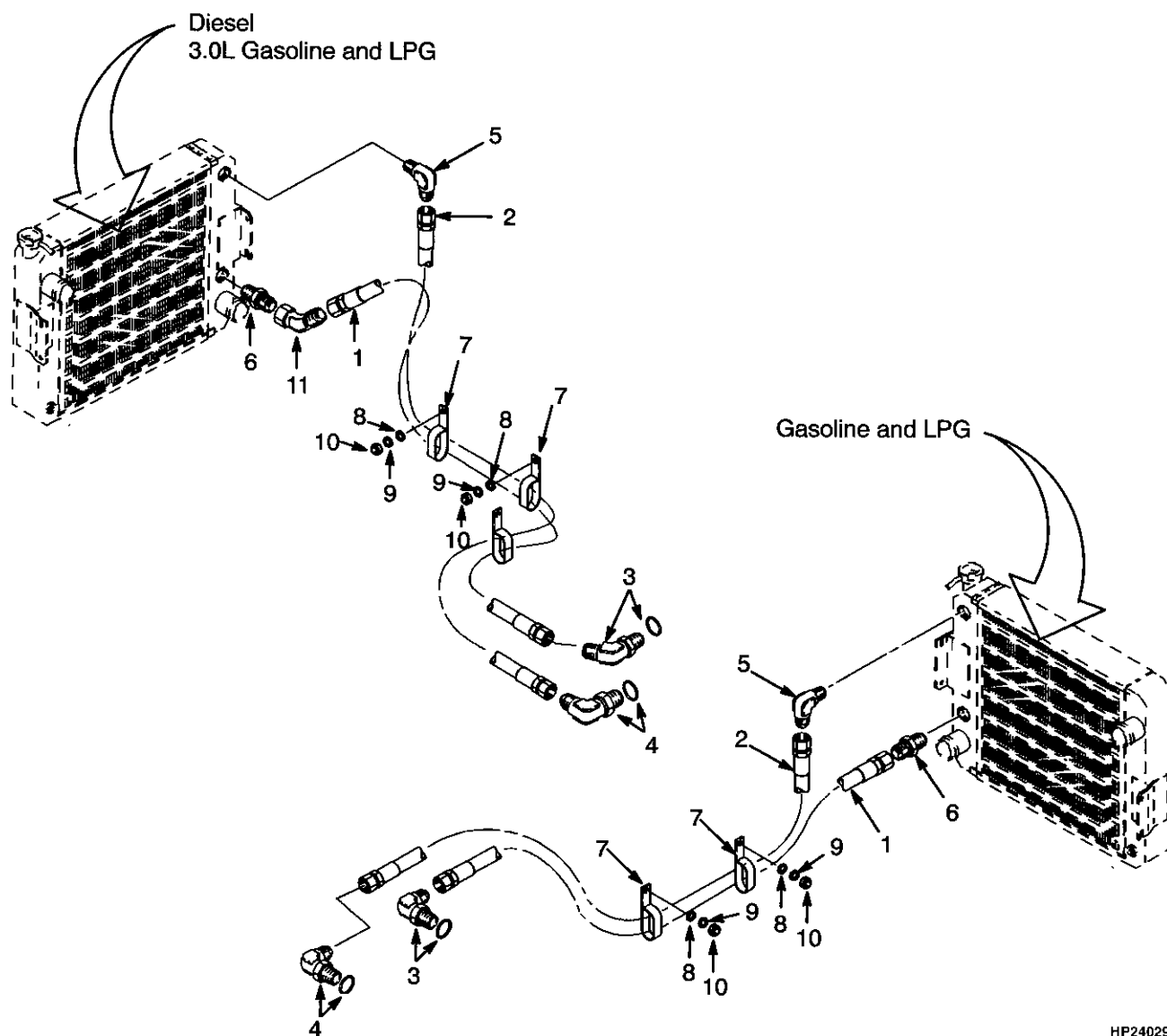
DRIVE AXLE

ITEM	PART NO.	DESCRIPTION	QTY
1	a 326488	Capscrew.....	16
1	300794	Capscrew.....	16
2	292683	Lockwasher.....	36
2	a 292683	Lockwasher.....	52
3	313022	Sealant	AR
3	317679	Shaft	2
4	b 11276	Wheel Nut.....	12
4	c 1516142	Lug Nut	12
4	ab 11276	Wheel Nut.....	24
4	ac 1516142	Lug Nut	24
5	33657	Locknut	2
6	145978	Lockwasher.....	2
7	85885	Washer	2
8	264892	Bearing Cone.....	2
9	264893	Bearing Cup.....	2
10	16009	Lube Fitting	2
11	137154	Wheel Stud	12
11	a 137154	Wheel Stud	24
12	328390	Pin	4
13	1335986	Brake Drum.....	2
14	300800	Seal	2
15	224571	Bearing Cup.....	2
16	224570	Bearing Cone.....	2
17	300801	Seal	2
18	1327246	Lock Bolt.....	16
19	1338256	Brake Assembly (LH)	1
19	1504038	Brake Assembly (LH)	1
20	1335502	Bracket (LH).....	1
21	251979	Lubricant.....	AR
21	300758	Spindle.....	2
22	15303	Fitting.....	1
23	16151	Fitting.....	1
24	21420	Plug	1
25	264159	Adhesive	AR
25	1334791	Housing	1
26	1335503	Bracket (RH)	1
27	1338255	Brake Assembly (RH)	1
27	1504039	Brake Assembly (RH)	1
28	39714	O-Ring	2
29	15290	Fitting.....	1
30	292528	Capscrew.....	20
31	292620	Nut	10
32	2307729	Lockwasher.....	10
33	292588	Capscrew.....	10
34	1333385	Bushing.....	2
35	a 1347020	Spacer	2

FOOTNOTES:

- a** Dual Wheel Application
b ⇒ S/N H177B-2294Z
c S/N H177B-22995Z ⇒

TRANSMISSION COOLING (Figure 5-18) (⇒S/N H177B-36823Z)

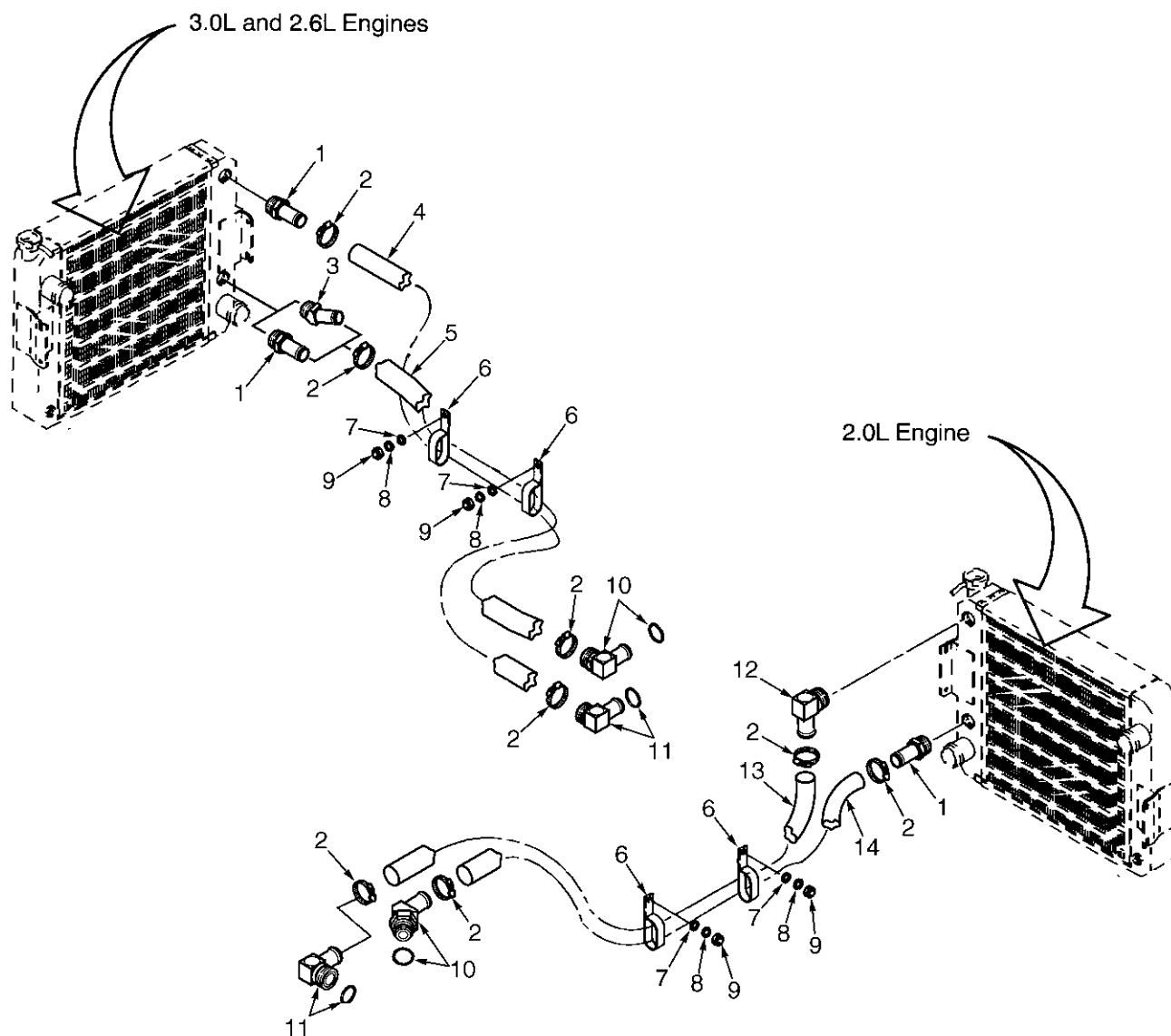


HP240294

TRANSMISSION COOLING
(⇒S/N H177B-36823Z)**KEY:****A:** Gasoline and LPG 2.0L**B:** Diesel, Gasoline and LPG 3.0L

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1351134	Hose	..	1
1	1382320	Hose	1	..
2	1351135	Hose	..	1
2	1371429	Hose	1	..
3	16568	Fitting.....	1	..
3	17167	Fitting.....	..	1
3	16484	O-Ring	1	1
4	14506	Fitting.....	1	1
4	16481	O-Ring	1	1
5	17309	Fitting.....	1	1
6	17315	Fitting.....	1	1
7	140660	Clamp	2	2
8	320157	Washer	2	2
9	292681	Lockwasher.....	2	2
10	239503	Nut	2	2
11	17038	Fitting (Diesel)	..	1

TRANSMISSION COOLING (Figure 5-19) (S/N H177B-36824Z⇒)



BP240006

TRANSMISSION COOLING
(S/N H177B-36824Z⇒)**KEY:****A:** Gasoline and LPG 2.0L**B:** Gasoline and LPG 3.0L**C:** Diesel 2.6L

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	abc 102919	Fitting.....	1	2	1
2	130845	Clamp.....	4	4	4
3	abc 16764	Fitting.....	..	..	1
4	1519131	Hose (Radiator) (Upper).....	..	..	1
4	1519132	Hose (Radiator) (Upper).....	..	1	..
5	1519131	Hose (Radiator) (Lower).....	..	1	..
5	1519132	Hose (Radiator) (Lower).....	..	..	1
6	140660	Clamp.....	2	2	2
7	320157	Washer.....	2	2	2
8	292681	Lockwasher.....	2	2	2
9	239503	Nut.....	2	2	2
10	1528866	Fitting.....	..	1	1
10	16484	O-Ring.....	..	1	1
11	222502	Fitting.....	1	..	..
11	16788	Fitting.....	1	1	1
11	16484	O-Ring.....	1	..	..
12	abc 102898	Fitting.....	1	1	1
13	1519133	Hose (Radiator) (Upper).....	1	..	..
14	1519134	Hose (Radiator) (Lower).....	1	..	..

FOOTNOTES:**a** ⇒ S/N H177B-40524A (3.0L)**b** ⇒ S/N H177B-40926A (2.6L)**c** ⇒ S/N H177B-41039A (2.0L)

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6

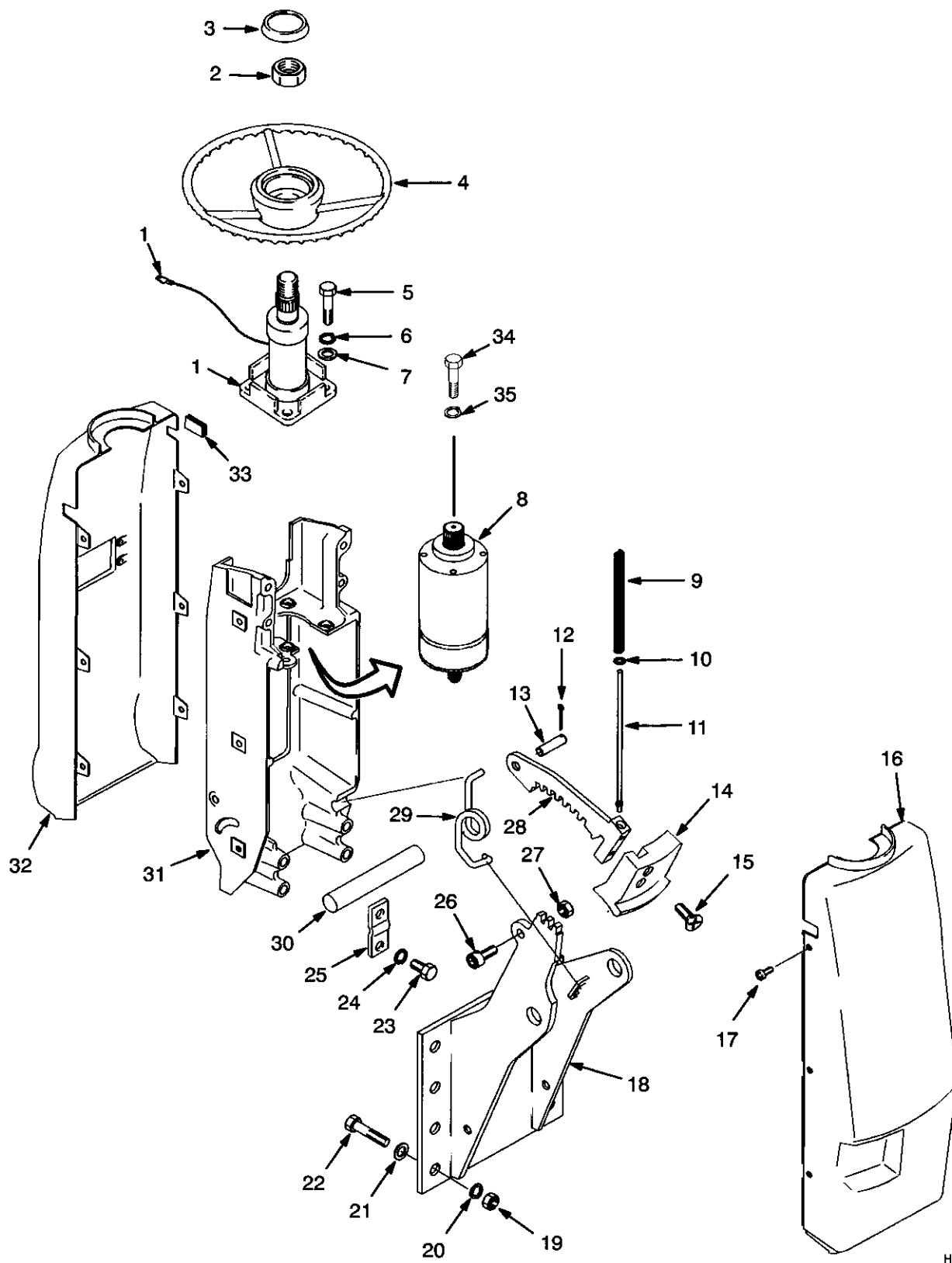
STEERING SYSTEM

SECTION 6

STEERING SYSTEM

DESCRIPTION	PAGE
SHIFT LEVER	6-4
STEERING AXLE	6-6
STEERING CYLINDER	6-10
STEERING POD	6-2
STEERING PUMP	6-8

STEERING POD (Figure 6-1)



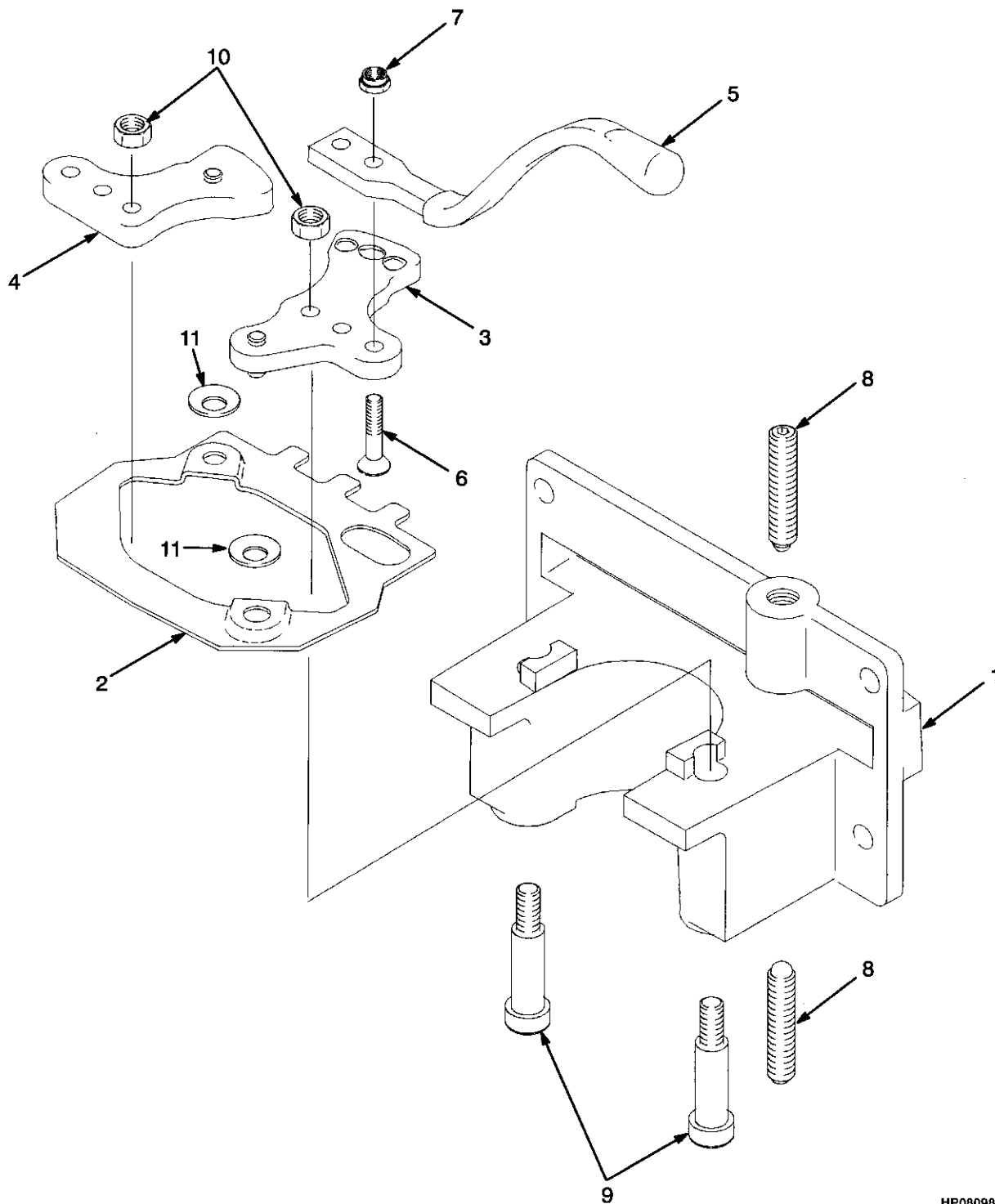
HP220252

STEERING POD

ITEM	PART NO.	DESCRIPTION	QTY
1	1453687	Steering Column.....	1
1	1382556	Terminal Kit (Horn)	1
2	345423	Nut.....	1
3	1347135	Horn Button	1
4	1329250	Steering Wheel.....	1
5	16815	Capscrew.....	4
6	15156	Lockwasher.....	4
7	15134	Washer	4
8	1453538	Steering Control Unit (☛ Figure 6-4)	1
9	1343537	Spring	1
10	320155	Washer	1
11	1343572	Rod	1
12	15212	Cotter Pin.....	1
13	1343607	Pin	1
14	1343574	Latch Knob	1
15	296472	Screw.....	2
16	1376745	Cover (Lower)	1
17	1507923	Screw.....	6
18	2040526	Bracket.....	1
19	136692	Nut	4
20	292682	Lockwasher.....	4
21	320156	Washer	1
22	136985	Capscrew.....	4
23	136749	Capscrew.....	4
24	292681	Lockwasher.....	4
25	1335967	Plate	2
26	296010	Capscrew.....	1
27	302400	Locknut	1
28	1364271	Latch	1
29	1378600	Spring	1
30	1335987	Shaft	1
31	1343573	Bracket.....	1
32	1376744	Cover (Upper)	1
33	a 1376743	Plug	1
34	293762	Capscrew.....	4
35	293779	Lockwasher.....	4

FOOTNOTES:**a** Without Turn Signals

SHIFT LEVER (Figure 6-2)



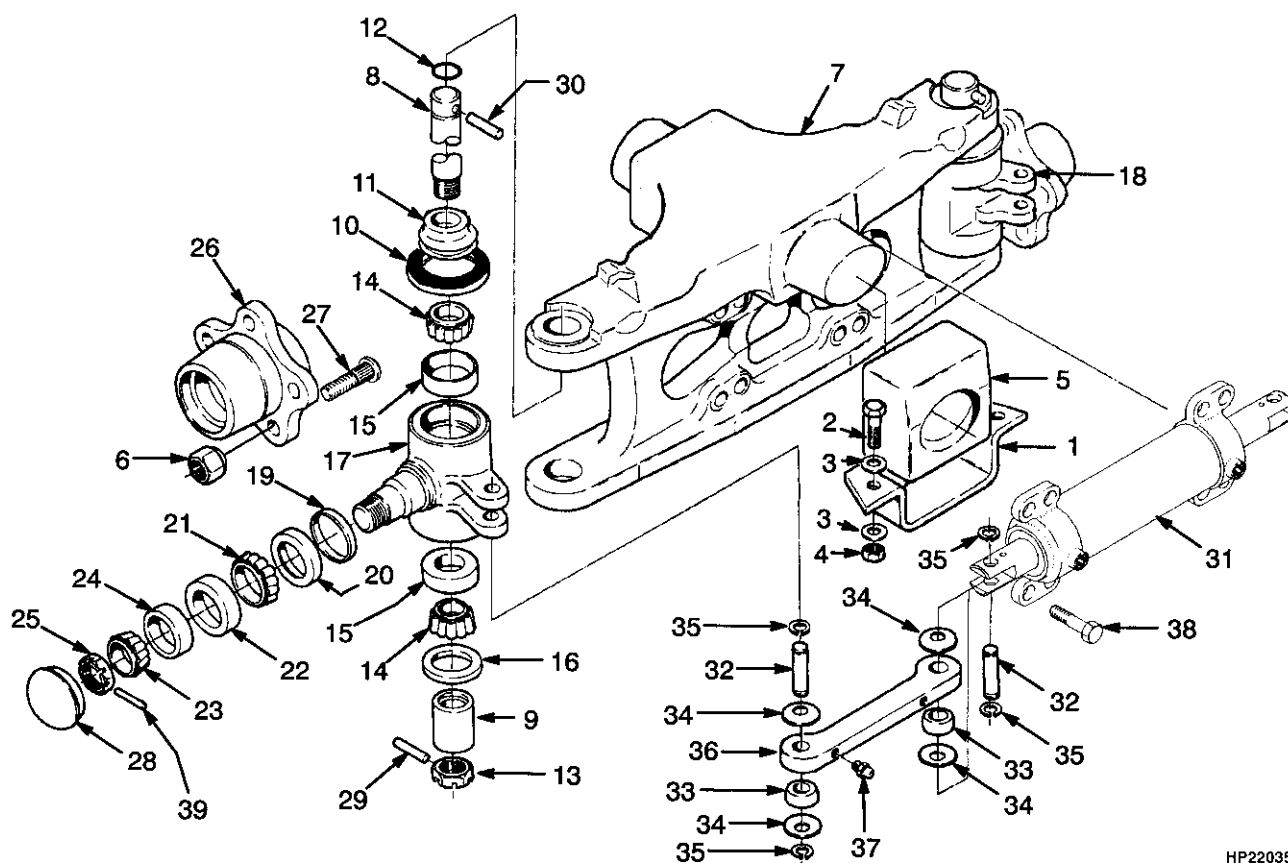
HP080982

SHIFT LEVER

ITEM	PART NO.	DESCRIPTION	QTY
	1347004	Shift Lever Assembly	1
1	1343577	Base	1
2	1343578	Link.....	1
3	1343579	Crank.....	1
4	1343598	Crank.....	1
5	1343593	Shift Lever	1
6	296205	Capscrew	2
7	302398	Locknut.....	2
8	a 1338291	Spring Plunger	2
8	b 1491830	Spring Plunger	2
9	1343594	Bolt	2
10	136687	Nut.....	2
11	1354300	Washer	4

FOOTNOTES:**a** ⇒ S/N H177B-24623Y**b** S/N H177B-24624Y ⇒

STEERING AXLE (Figure 6-3)



HP220353

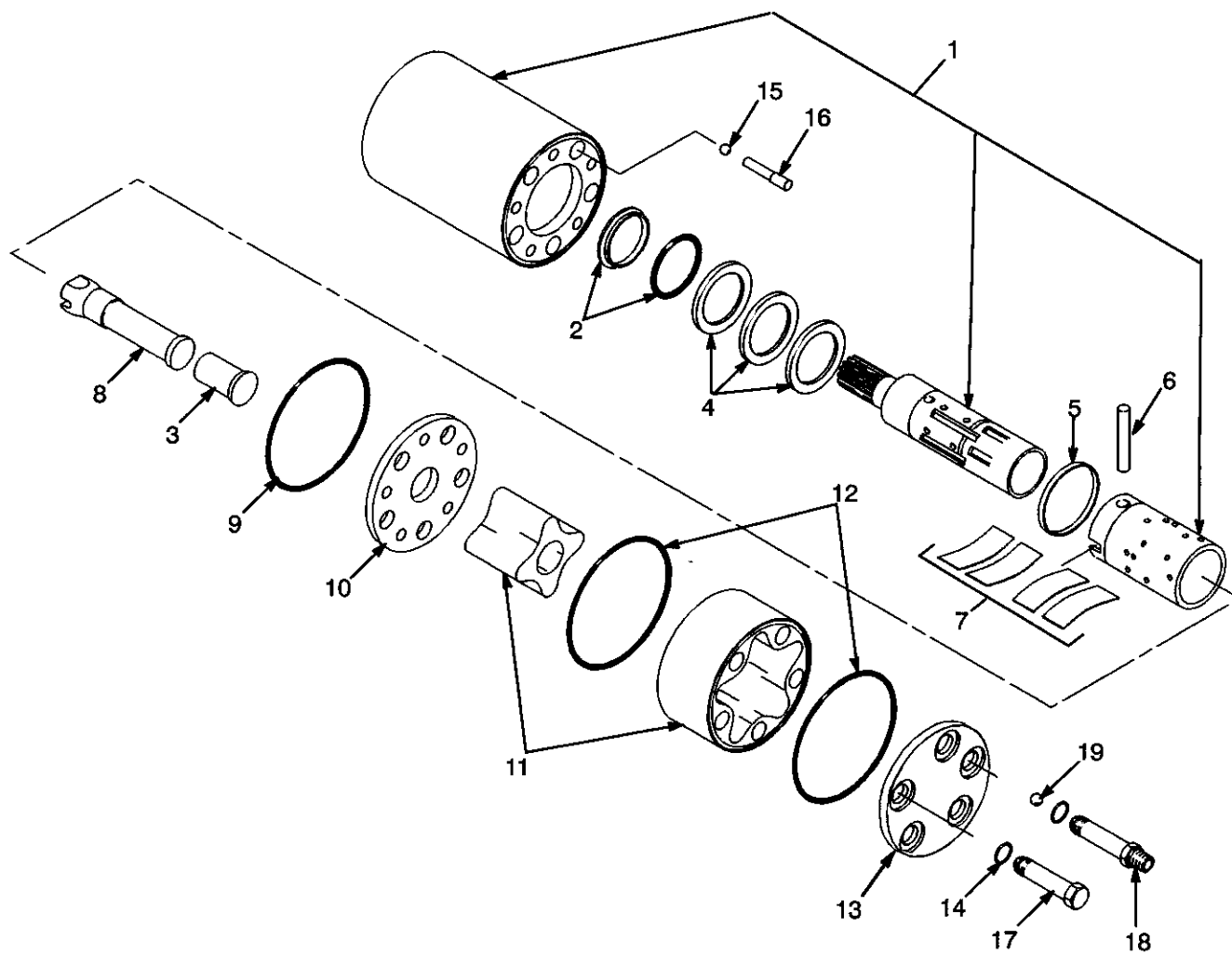
STEERING AXLE

ITEM	PART NO.	DESCRIPTION	QTY
1	1334723	Plate	2
2	293648	Capscrew.....	4
3	320161	Washer	8
4	300937	Nut	4
5	324864	Mount.....	2
6	60949	Lug Nut	10
7	1334718	Steering Axle	1
8	300765	King Pin	2
9	300766	Sleeve	2
10	264973	Seal	2
11	300767	Spacer	2
12	39352	O-Ring	2
13	249289	Nut	2
14	156195	Bearing Cone.....	4
15	156194	Bearing Cup.....	4
16	98525	Oil Seal	2
17	1310599	Spindle (LH).....	1
18	1315425	Spindle (RH)	1
19	44542	Oil Seal	2
20	164639	Wear Sleeve	2
21	30273	Bearing Cone.....	2
22	163970	Bearing Cup.....	2
23	317076	Bearing Cone.....	2
24	317075	Bearing Cup.....	2
25	1383777	Nut	2
26	300738	Hub	2
27	339529	Wheel Stud	10
28	69029	Hub Cap	2
29	15225	Cotter Pin.....	2
30	226986	Pin	2
31	1321174	Steer Cylinder (☞ Figure 6-5)	1
32	326498	Pin	4
33	300751	Bushing.....	4
34	300752	Washer	8
35	58903	Snap Ring.....	8
36	381298	Tie Rod	2
37	13957	Lube Fitting	6
38	293686	Capscrew.....	8
39	15227	Cotter Pin.....	2
a 334717		King Pin Kit (Includes Items 8-12, 14-16, 20, 30)	1

FOOTNOTES:

a For One Side

STEERING PUMP (Figure 6-4)

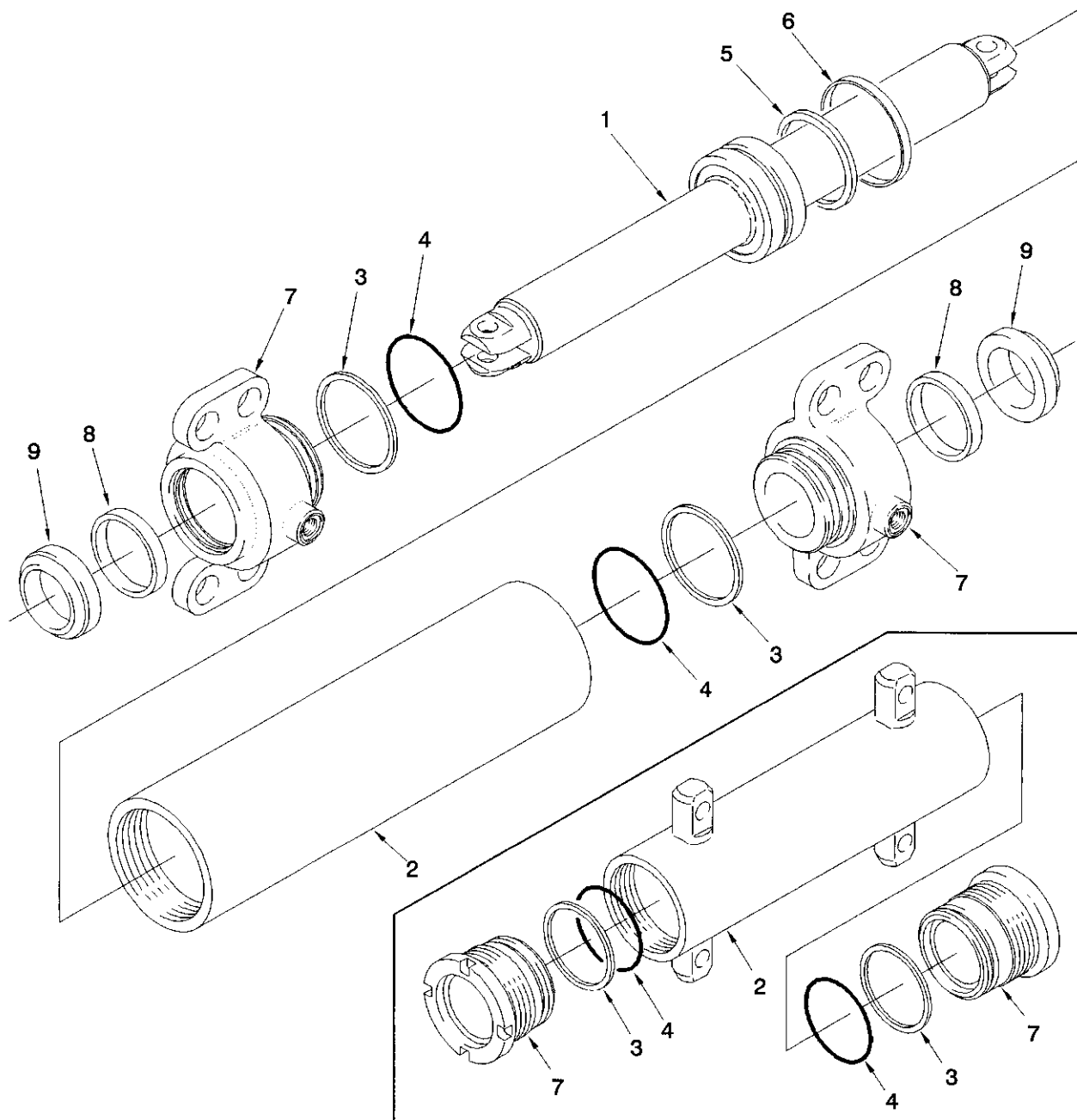


HP220251

STEERING PUMP

ITEM	PART NO.	DESCRIPTION	QTY
	1453538	Steering Control Unit	1
1		Housing	1
1		Spool	1
1		Sleeve	1
2		Seal	1
3	1451701	Spacer	1
4	1451697	Bearing Assembly	1
5	1455770	Ring	1
6	1451698	Pin	1
7	1455771	Spring Set	1
8	1451700	Shaft	1
9		O-Ring	1
10	1451703	Plate	1
11	1456690	Gear Set	1
12		O-Ring	2
13	1455773	Cover	1
14		O-Ring	5
15	1355335	Ball	1
16	1451696	Stop	1
17	1456691	Screw	1
17		O-Ring	1
18	1456692	Screw	4
18		O-Ring	1
19	1451707	Ball	1
	1455778	Seal Kit (Includes Items 2, 9, 12, 14)	

STEERING CYLINDER (Figure 6-5)



HP220355

STEERING CYLINDER

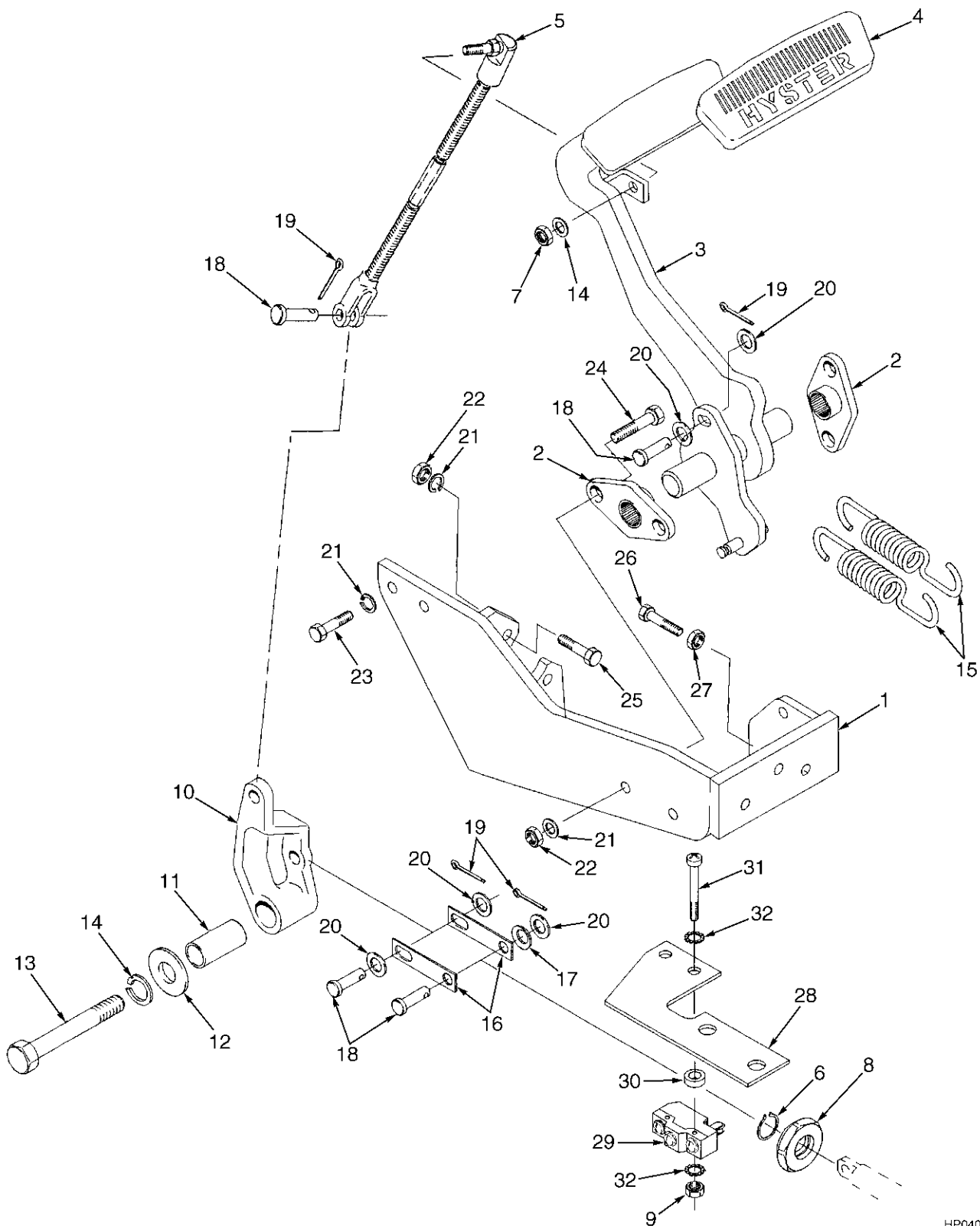
ITEM	PART NO.	DESCRIPTION	QTY
	1321174	Steer Cylinder.....	1
1	375634	Piston Rod.....	1
2	375635	Shell	1
3	147973	Back-Up Ring	2
4	130825	O-Ring	2
5	46388	O-Ring	1
6	2044371	Piston Seal	1
7	1321149	End Cap	2
8	210183	Seal	2
9	203071	Rod Wiper	2
	1501413	Seal Kit (Includes Items 3-6, 8-9)	

[illegible]

SECTION 7
BRAKE SYSTEM

DESCRIPTION	PAGE
BRAKE	7-4
BRAKE LINES	7-6
BRAKE PEDAL LINKAGE	7-2
MASTER CYLINDER	7-10
PARK BRAKE	7-8

BRAKE PEDAL LINKAGE (Figure 7-1)

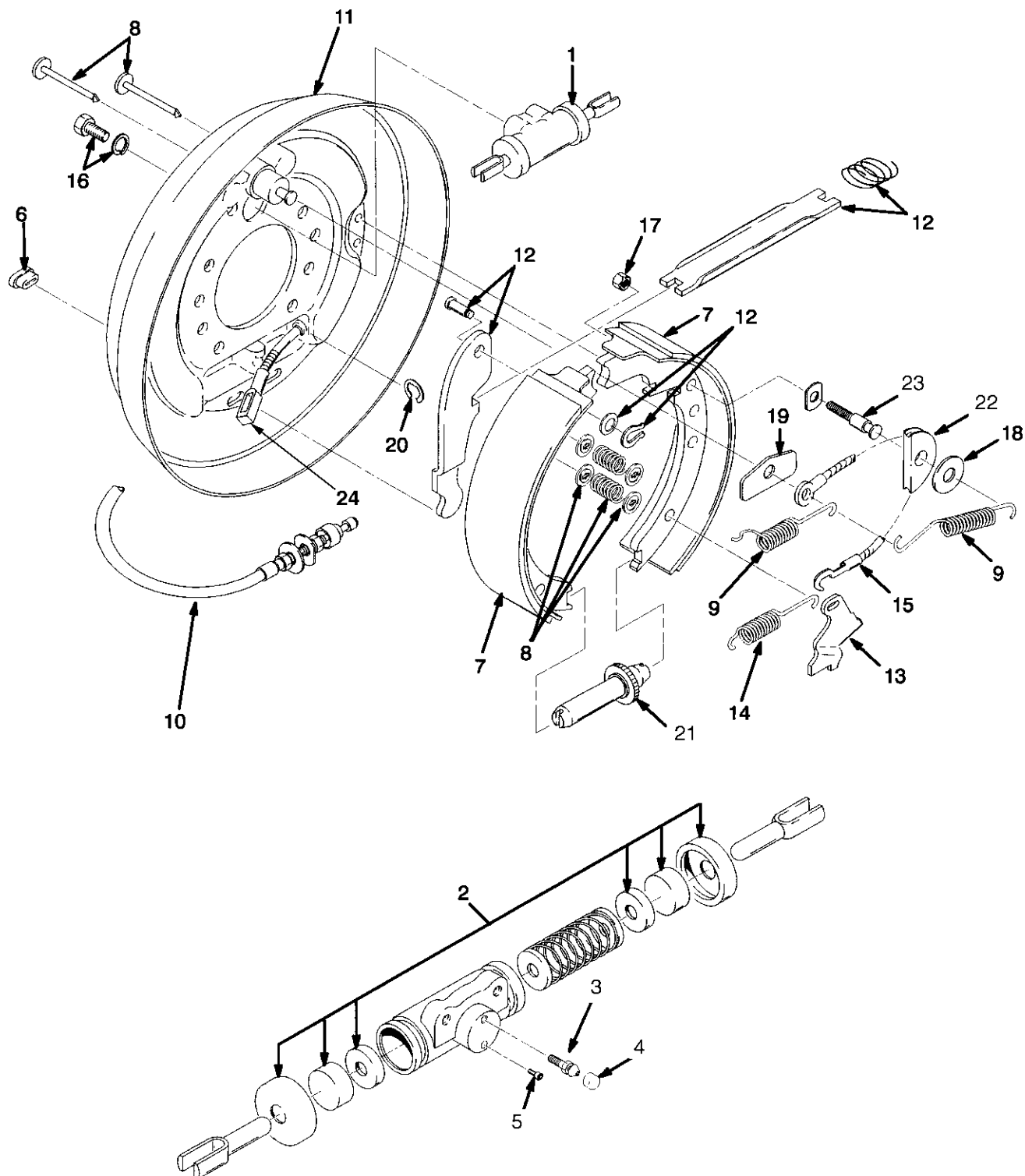


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BRAKE PEDAL LINKAGE

ITEM	PART NO.	DESCRIPTION	QTY
1	1343541	Bracket.....	1
2	1327161	Bushing.....	2
3	1343540	Pedal.....	1
4	1343630	Pad	1
5	1515588	Inching Linkage Assembly	1
6	209417	Snap Ring.....	1
7	15025	Nut	1
8	387455	Disc (Neutral Start)	1
9	15049	Nut	2
10	1343553	Crank	1
11	1337108	Spacer	1
12	332755	Washer	1
13	136703	Capscrew.....	1
14	292681	Lockwasher.....	2
15	1343508	Spring	2
16	1337091	Link	2
17	375984	Washer	1
18	142	Pin	4
19	15212	Cotter Pin.....	4
20	320159	Washer	7
21	292682	Lockwasher.....	6
22	136692	Nut	4
23	287854	Capscrew.....	6
24	136985	Capscrew.....	2
25	287860	Capscrew.....	2
26	292533	Capscrew.....	1
27	296130	Nut	1
28	1324557	Bracket.....	1
29	1320893	Switch	1
30	316132	Spacer	1
31	86510	Screw.....	2
32	16743	Lockwasher.....	4

BRAKE (Figure 7-2)



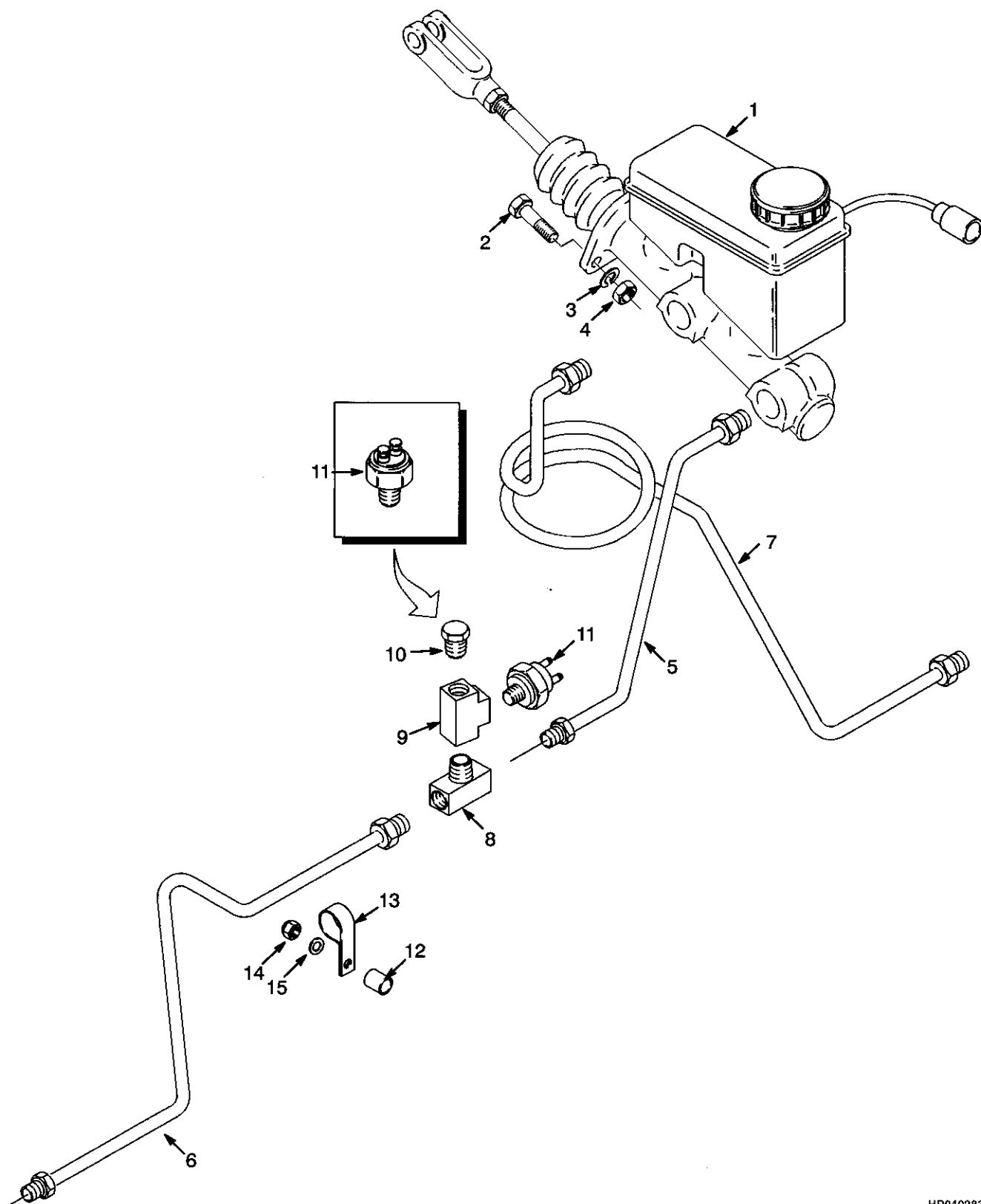
HP040091

BRAKE

ITEM	PART NO.	DESCRIPTION	QTY
	a 1338255	Brake Assembly (RH)	1
	b 1504039	Brake Assembly (RH)	1
	a 1338256	Brake Assembly (LH)	1
	b 1504038	Brake Assembly (LH)	1
1	1334648	Wheel Cylinder	1
2	1334647	Wheel Cylinder Kit	1
2	2040959	Cup and Boot Kit.....	1
3	1361503	Bleeder Screw.....	1
4	1361504	Bleeder Cap	1
5		Plug.....	1
6	1334642	Cover.....	1
7	1515374	Shoe and Lining Assembly Kit (LH and RH)	1
8	1334639	Shoe Hold Down Kit	1
9	1334638	Spring Kit.....	1
10	1358224	Cable (RH)	1
10	1358225	Cable (LH)	1
11	a 1347970	Plate (LH)	1
11	b 1508072	Plate (LH)	1
11	a 1347971	Plate (RH).....	1
11	b 1508073	Plate (RH).....	1
	1375048	Parking Brake Kit (LH) (Includes Item)	1
	1375049	Parking Brake Kit (RH) (Includes Item)	1
13	1360794	Lever (RH)	1
13	1361505	Lever (LH).....	1
14	1360793	Spring.....	1
15	1360792	Cable Assembly	1
16	1360798	Bolt	2
17		Nut.....	1
18		Washer	1
19	1361501	Guide.....	1
20	1361502	Snap Ring.....	1
21	1334645	Adjuster (RH).....	1
21	1334646	Adjuster (LH)	1
22		Sheave	1
23		Pin	1
24	b 1361507	Strut (LH).....	1
24	b 1360796	Strut (RH)	1
	1379758	Sheave Kit (Includes Items 17-18, 22-23)	1

FOOTNOTES:**a** ⇒ S/N H177B-31501Y**b** S/N H177B-31502Y ⇒

BRAKE LINES (Figure 7-3)



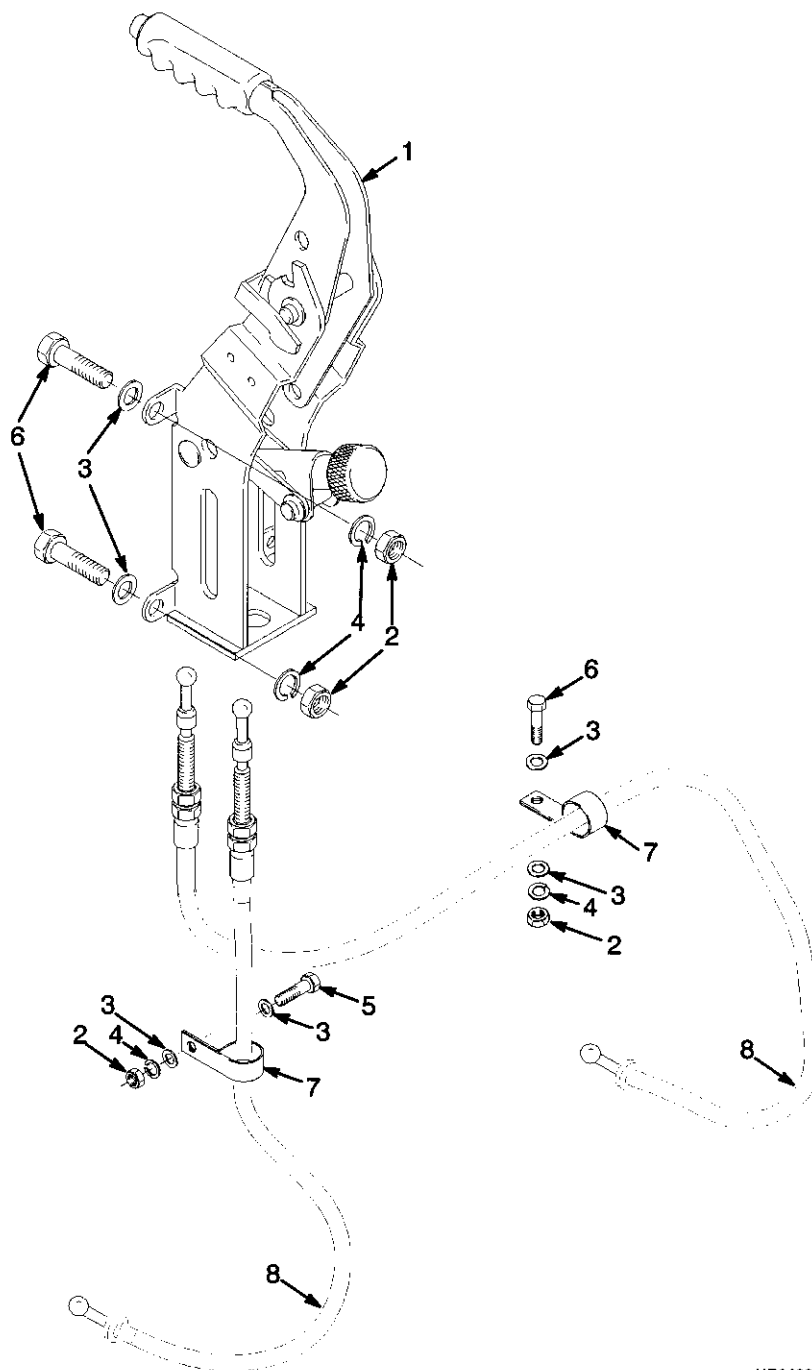
HP040283

BRAKE LINES

ITEM	PART NO.	DESCRIPTION	QTY
1	1347048	Master Cylinder (☞ Figure 7-5)	1
2	287860	Capscrew.....	2
3	292682	Lockwasher.....	2
4	136692	Nut	2
5	1347113	Tube (RH)	1
5	1381923	Hose (RH).....	1
6	1347091	Tube (RH)	1
7	1455550	Tube (LH)	1
8	14899	Fitting.....	1
9	12838	Fitting.....	1
10	a 14349	Fitting.....	1
11	a 387867	Pressure Switch.....	1
11	b 387867	Pressure Switch.....	2
12	1361559	Spacer	1
13	1347116	Clamp	1
14	302400	Locknut	1
15	320158	Washer	1

FOOTNOTES:**a** Forward and Reverse**b** Monotrol Pedal

PARK BRAKE (Figure 7-4)



HP040284

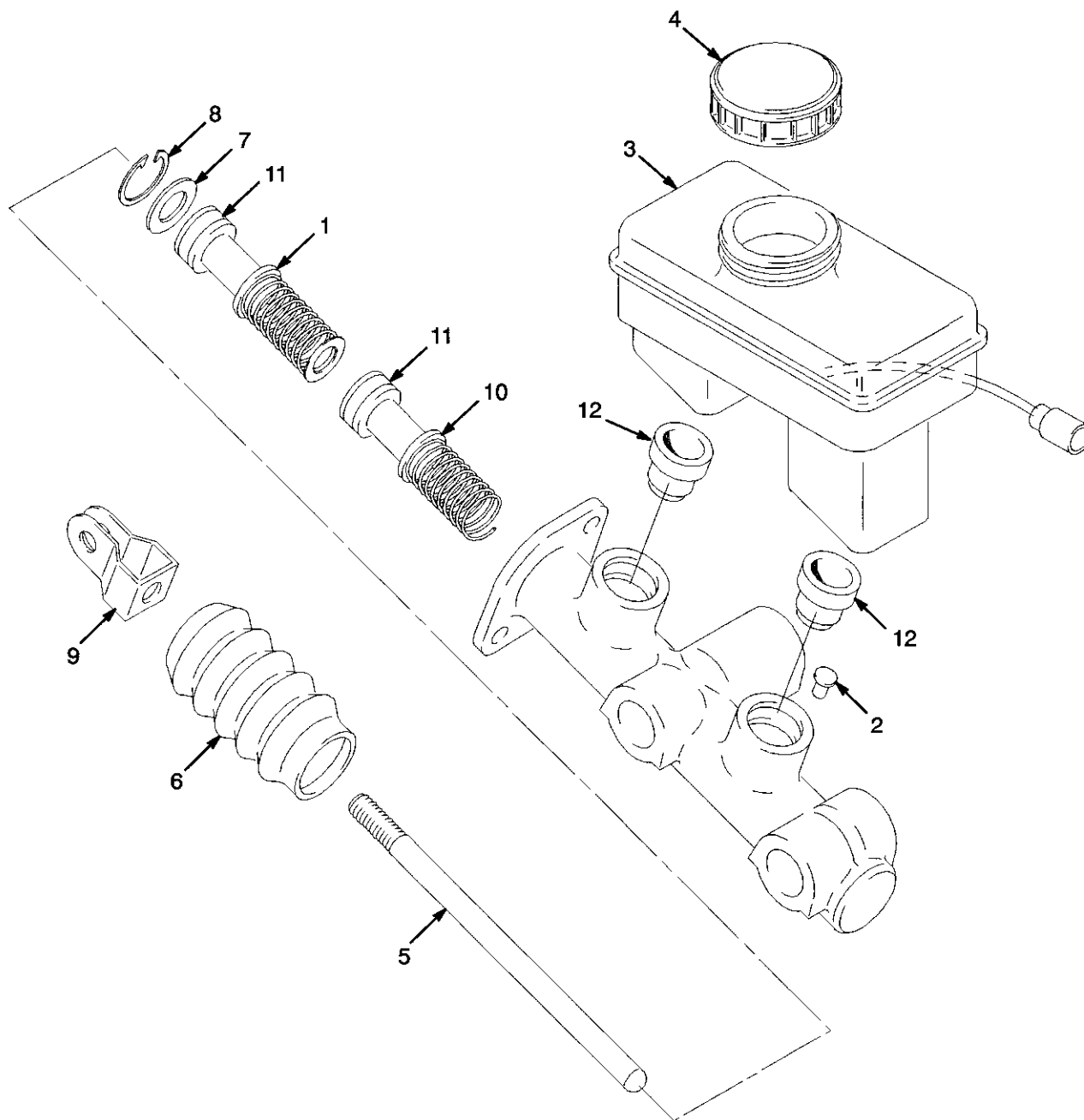
PARK BRAKE

ITEM	PART NO.	DESCRIPTION	QTY
1	1376557	Lever Assembly (Park Brake)	1
2	239503	Nut	6
3	320157	Washer	8
4	292681	Lockwasher.....	6
5	176640	Capscrew.....	1
6	136749	Capscrew.....	5
7	113341	Clamp	2
8	a	Cable	2

FOOTNOTES:

a Cables are Included with Service Brake Assemblies.

MASTER CYLINDER (Figure 7-5)



HP040285

MASTER CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY
	1347048	Master Cylinder	1
1	1357197	Piston	1
2	1324029	Pin	1
3	1357199	Reservoir	1
4	1324048	Cap	1
5	1357201	Rod.....	1
6	1324040	Cover.....	1
7	1324041	Washer	1
8	1324042	Snap Ring.....	1
9	1324035	Clevis.....	1
10	1357196	Piston	1
11		Seal	2
12		Seal	2
	1355305	Seal Kit (Includes Items 11-12)	1

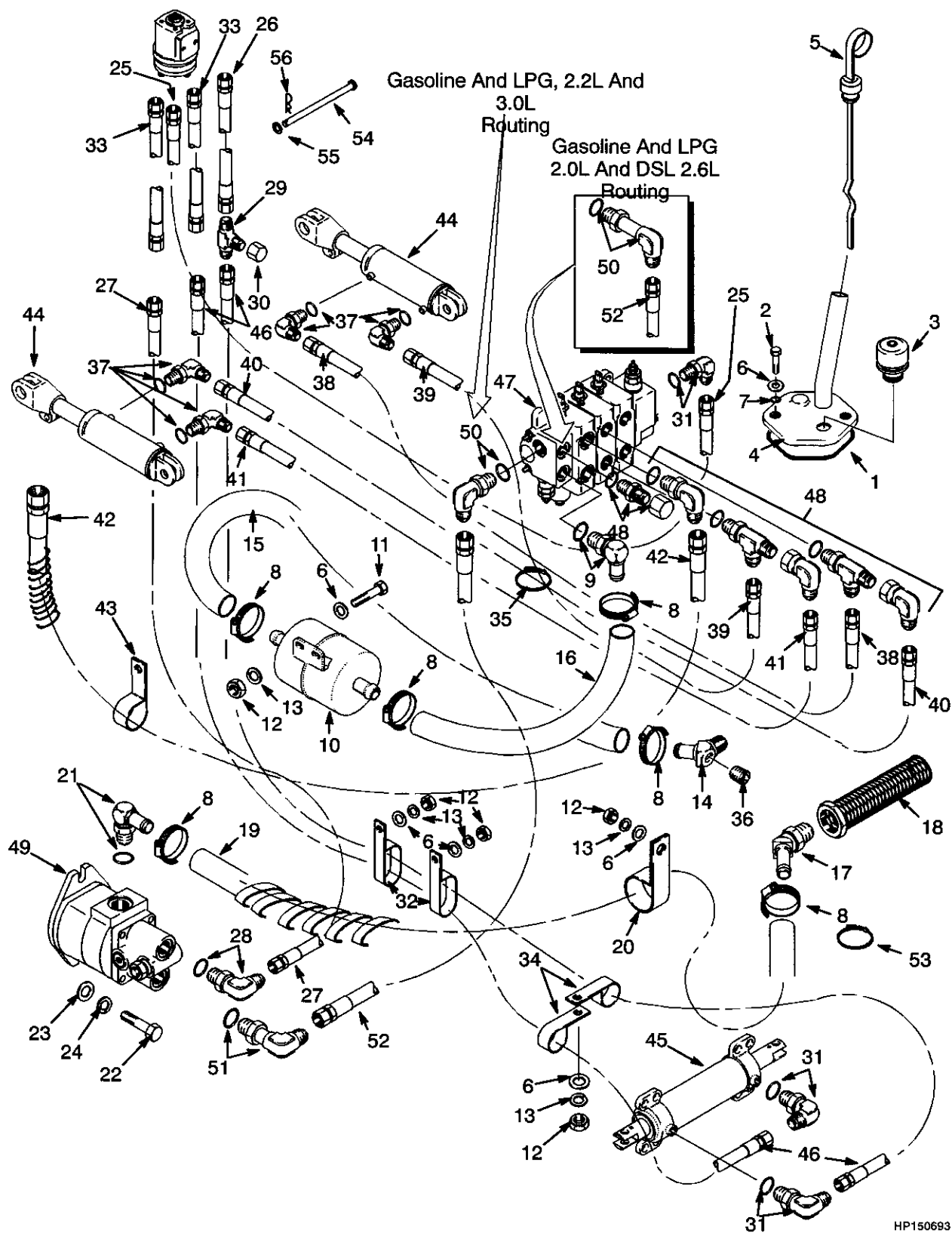
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SECTION 8

HYDRAULIC SYSTEM

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CONTROL VALVE	
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⇒S/N H177B-13286 (LPG 3.0L), ⇒S/N H177B-13826 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L)	8-14
S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L), S/N H177B-14210⇒ (LPG 3.0L)	8-16
SINGLE GEAR	
⇒S/N H177B-13960 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L), ⇒S/N H177B-14209 (LPG 3.0L)	8-10
S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L), S/N H177B-14210⇒ (LPG 3.0L)	8-12
MAST INSTALLATION	
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6° FORWARD TILT	8-20
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⇒S/N H177B-10871	8-30
S/N H177B-10872⇒	8-38

HYDRAULIC (Figure 8-1) (⇒S/N H177B-23563X)



HYDRAULIC
(⇒S/N H177B-23563X)

ITEM	PART NO.	DESCRIPTION	QTY
1	1343449	Seal	1
2	329067	Screw.....	2
3	1356393	Breather.....	1
4	1339700	Cover	1
5	1339647	Dipstick	1
6	320157	Washer	12
7	353000	O-Ring	2
8	127045	Clamp	6
9	1343452	Fitting.....	1
10	1337159	Filter.....	1
11	136749	Capscrew.....	2
12	239503	Nut	8
13	292681	Lockwasher.....	8
14	1343560	Fitting.....	1
15	1367431	Hose	1
16	878574	Hose	1
17	f 1468538	Screen And Fitting Assembly.....	1
17	e 222477	Fitting.....	1
18	1328680	Screen	1
19	878782	Hose	1
20	335047	Clamp	1
21	1350273	Fitting.....	1
22	1356103	Capscrew.....	2
23	292682	Lockwasher.....	2
24	320159	Washer	2
25	1453620	Hose	1
26	69238	Hose	1
27	168389	Hose	1
28	110174	Fitting.....	1
29	1347212	Fitting.....	1
30	16923	Fitting.....	1
31	16558	Fitting.....	3
32	110322	Clamp	2
33	1458752	Hose	2
34	101625	Clamp	2
35	137852	Strap Clamp.....	3
36	15347	Fitting.....	1
37	16556	Fitting.....	4
37	16481	O-Ring.....	4
38	1347027	Hose	1
39	1347028	Hose	1
40	1347029	Hose	1
41	1347030	Hose	1
42	1351077	Hose	1
43	176452	Clamp	1
44	1338742	Tilt Cylinder (☞ Figure 8-10)	2
45	1321174	Steer Cylinder (☞ Figure 6-5)	1
46	1382316	Hose	2
47	2033502	Control Valve (Control) (☞ Figure 8-15)	1
47	2042619	Control Valve (☞ Figure 8-15)	1
47	2033503	Control Valve (☞ Figure 8-16)	1

HYDRAULIC

(⇒S/N H177B-23563X)

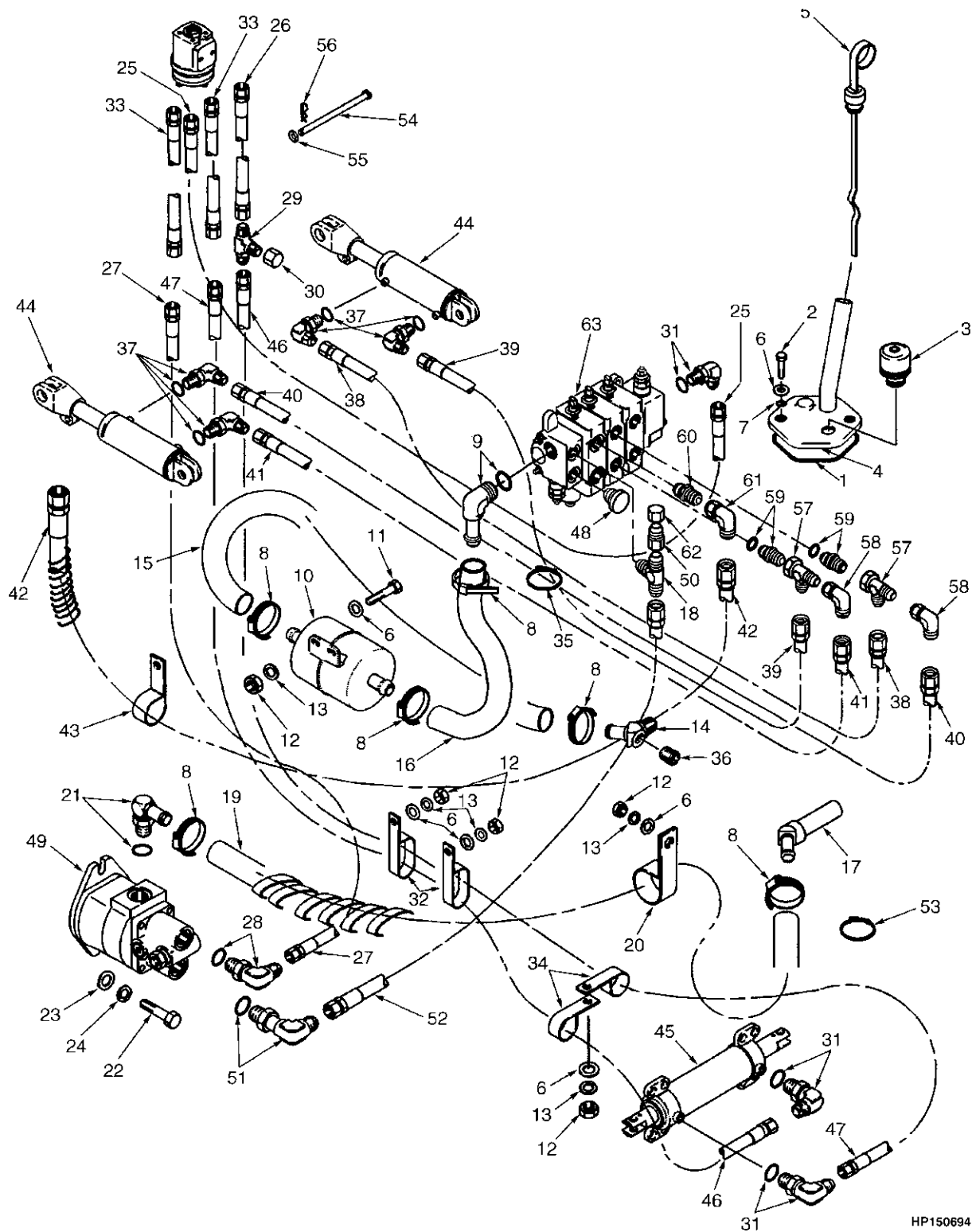
ITEM	PART NO.	DESCRIPTION	QTY
47	2040357	Control Valve (☞ Figure 8-16)	1
48		Fitting (☞ Figure 8-11, ☞ Figure 8-12)	..
49	1455404	Hydraulic Pump (Hydraulic) (☞ Figure 8-3)	1
49	1455405	Hydraulic Pump (☞ Figure 8-3)	1
49	1456472	Hydraulic Pump (☞ Figure 8-5)	1
49	1456473	Hydraulic Pump (☞ Figure 8-5)	1
50	c 1352157	Fitting.....	1
50	d 16560	Fitting.....	1
50	16485	O-Ring (Face Seal).....	1
51	a 222413	Fitting.....	1
51	16485	O-Ring (Face Seal).....	1
51	b 16560	Fitting.....	1
51	16485	O-Ring (Face Seal).....	1
52	1351140	Hose (Gasoline and LPG)	1
52	1361584	Hose (Diesel)	1
53	129563	Strap Clamp.....	2
54	1352616	Rod End Pin	1
55	320156	Washer	1
56	18824	Cotter Pin.....	1

FOOTNOTES:

- a** Used with All Gasoline and LPG 3.0L, Single Gear Pump
b Used with All Gasoline, LPG, Diesel, Double Gear Pump
c Used with Gasoline and LPG 2.0L and Diesel 2.6L
d Used with Gasoline and LPG 2.2L and 3.0L
e ⇒ S/N H177B-19369X
f S/N H177B-19370X ⇒

[illegible]

HYDRAULIC (Figure 8-2) (S/N H177B-23564X⇒)



HP150694

HYDRAULIC
(S/N H177B-23564X⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	1343449	Seal	1
2	329067	Screw	2
3	1356393	Breather	1
4	1339700	Cover	1
5	1339647	Dipstick	1
6	320157	Washer	12
7	353000	O-Ring	2
8	127045	Clamp	6
9	1343452	Fitting	1
10	1337159	Filter	1
11	136749	Capscrew	2
12	239503	Nut	8
13	292681	Lockwasher	8
14	1343560	Fitting	1
14	16485	O-Ring (Face Seal)	1
15	1367431	Hose	1
16	878574	Hose	1
17	f 1468538	Screen And Fitting Assembly	1
17	g 1526186	Screen Assembly	1
18	16578	Fitting	1
18	16485	O-Ring (Face Seal)	1
19	f 878782	Hose	1
19	g 1555006	Hose	1
20	335047	Clamp	1
21	1350273	Fitting	1
22	1356103	Capscrew	2
23	292682	Lockwasher	2
24	320159	Washer	2
25	1453620	Hose	1
26	69238	Hose	1
27	168389	Hose	1
28	110174	Fitting	1
28	16484	O-Ring	1
29	1347212	Fitting	1
30	16923	Fitting	1
31	16558	Fitting	3
31	16483	O-Ring	1
32	110322	Clamp	2
33	1458752	Hose	2
34	101625	Clamp	2
35	137852	Strap Clamp	3
36	15347	Fitting	1
37	16556	Fitting	4
37	16481	O-Ring	1
38	1347027	Hose	1
39	1347028	Hose	1
40	1347029	Hose	1
41	1347030	Hose	1
42	1351077	Hose	1
43	176452	Clamp	1
44	1338742	Tilt Cylinder (☞ Figure 8-10)	2

HYDRAULIC

(S/N H177B-23564X⇒)

ITEM	PART NO.	DESCRIPTION	QTY
45	1321174	Steer Cylinder (☞ Figure 6-5)	1
46	1382316	Hose (LH)	1
46	a 1559745	Hose (LH)	1
47	1496170	Hose (RH).....	1
47	a 1559746	Hose (RH).....	1
48	233693	Fitting.....	1
48	16485	O-Ring (Face Seal).....	1
49	1455404	Hydraulic Pump (Hydraulic) (☞ Figure 8-3)	1
49	1455405	Hydraulic Pump (☞ Figure 8-3)	1
49	1456472	Hydraulic Pump (☞ Figure 8-5)	1
49	1456473	Hydraulic Pump (☞ Figure 8-5)	1
50	222365	Fitting.....	1
51	c 222413	Fitting.....	1
51	16485	O-Ring (Face Seal).....	1
51	b 16560	Fitting.....	1
51	16485	O-Ring (Face Seal).....	1
52	d 1361584	Hose	1
52	e 1351140	Hose	1
53	129563	Strap Clamp.....	2
54	1352616	Rod End Pin	1
55	320156	Washer	1
56	18824	Cotter Pin.....	1
57	17059	Fitting.....	2
58	16987	Fitting.....	2
59	222381	Fitting.....	2
59	16484	O-Ring	1
60	134680	Fitting.....	1
60	16484	O-Ring	1
61	17039	Fitting.....	1
62	16923	Fitting.....	1
63	2033502	Control Valve (Control) (☞ Figure 8-15)	1
63	2042619	Control Valve (☞ Figure 8-15)	1
63	2033503	Control Valve (☞ Figure 8-16)	1
63	2040357	Control Valve (☞ Figure 8-16)	1

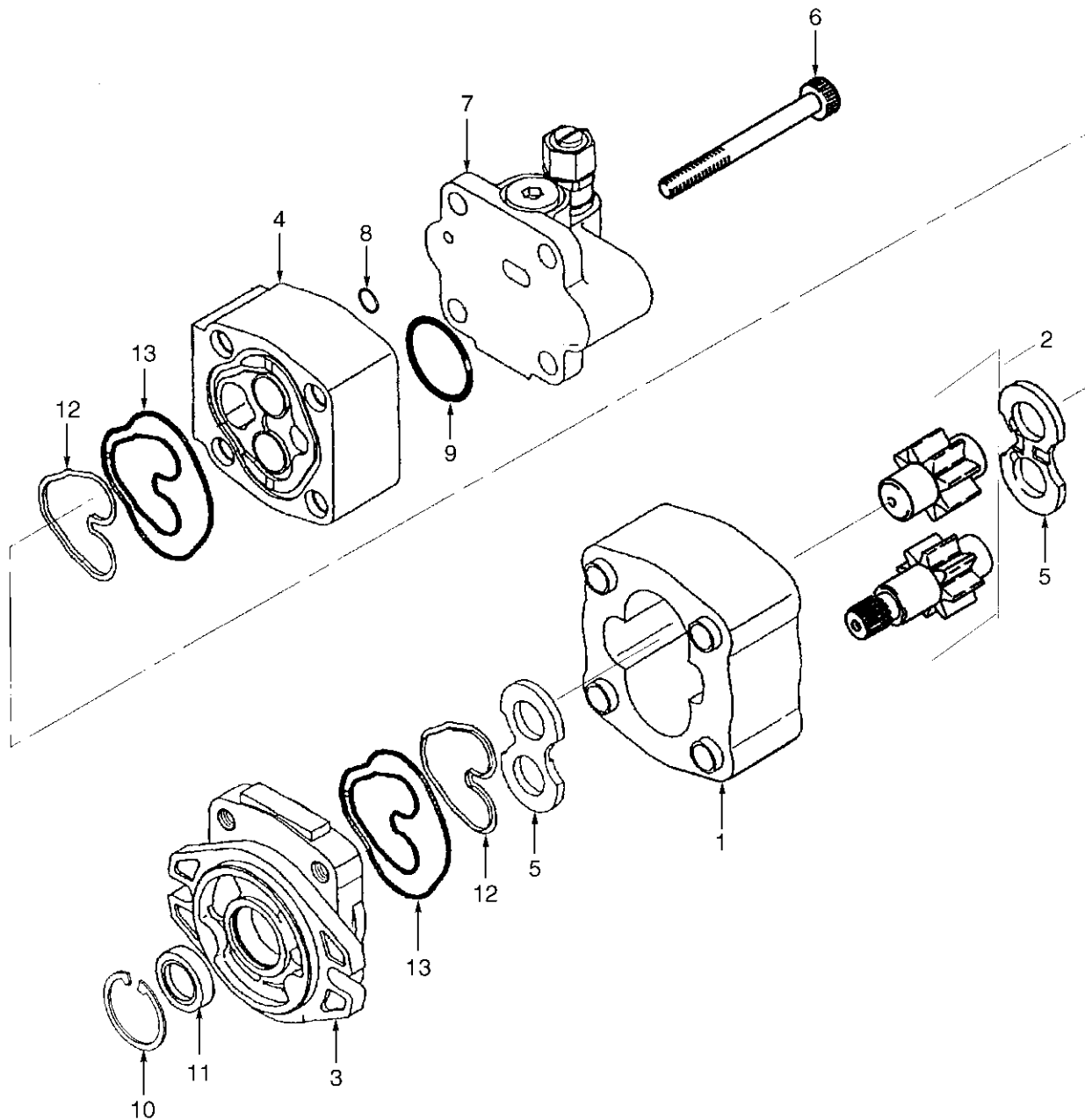
FOOTNOTES:

- a** 2.0L, 2.2L EPA Compliant Gasoline Engine
b Used with 2.0L Double Gear Pump, Diesel 2.6L, Gasoline and LPG 3.0L
c Used with 2.0L Single Gear Pump
d ⇒ S/N H177B-28689Y
e S/N H177B-28689Y ⇒
f ⇒ S/N PENDING PER ECN 95643
g S/N PENDING PER ECN 95643 ⇒

[illegible]

HYDRAULIC PUMP (Figure 8-3) SINGLE GEAR

(⇒S/N H177B-13960 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L),
⇒S/N H177B-14209 (LPG 3.0L))



YP150201

HYDRAULIC PUMP**SINGLE GEAR**

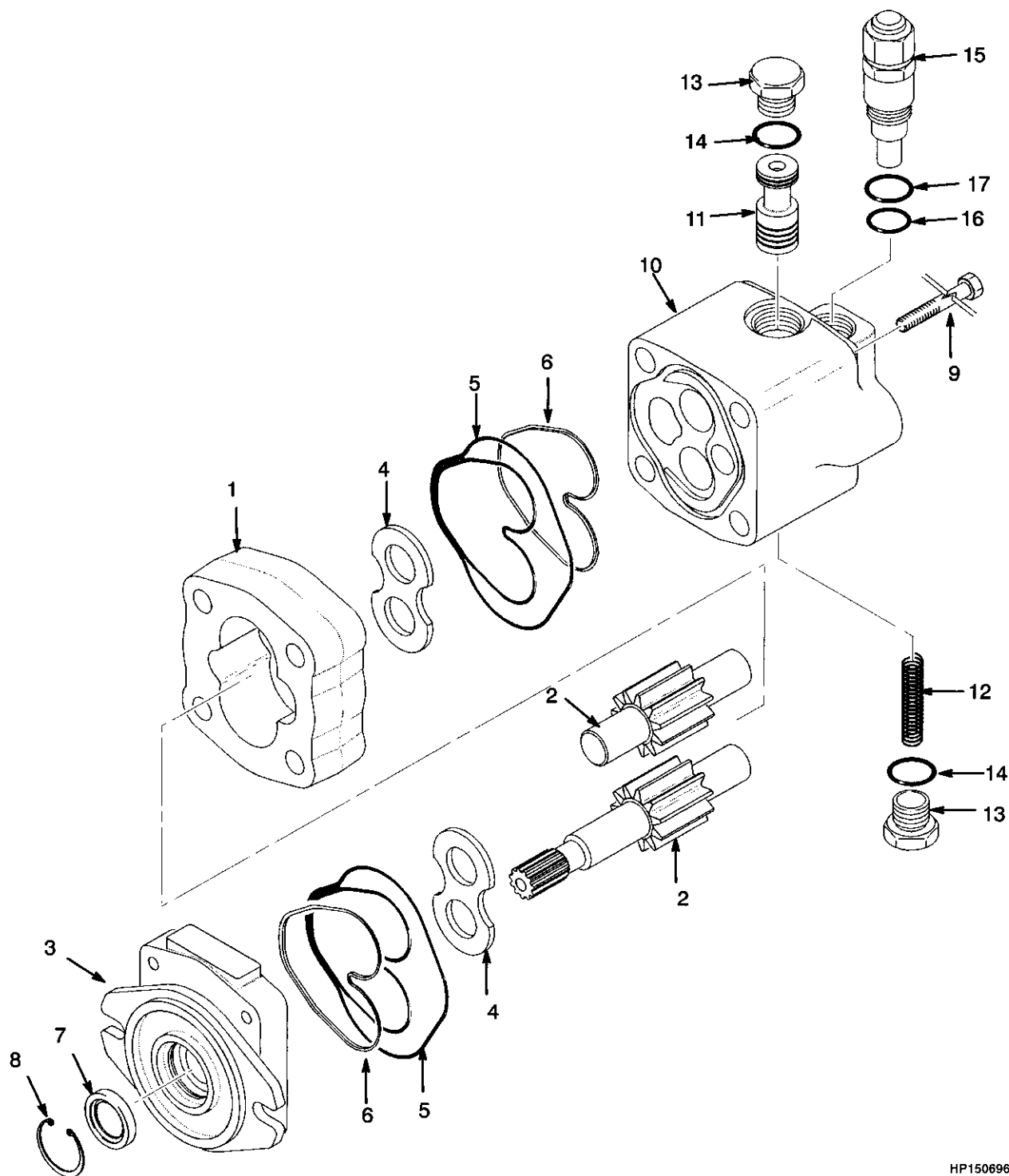
(⇒S/N H177B-13960 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L),
⇒S/N H177B-14209 (LPG 3.0L))

KEY:**A:** Gasoline and LPG 2.0L, and Gasoline 3.0L, and Diesel 2.6L**B:** LPG 3.0L

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1455404	Hydraulic Pump	1	..
	1455405	Hydraulic Pump	..	1
1		Gear Plate	1	1
2	1377264	Gear Set	..	1
2	1377266	Gear Set	1	..
3	1458802	Flange	1	1
4	1458803	Cover	1	1
5	1458804	Plate	2	2
6	1458805	Screw	..	4
6	1458813	Screw	4	..
7	1377255	Valve (☞ Figure 8-7)	1	1
8		O-Ring	1	1
9		O-Ring	1	1
10		Snap Ring	1	1
11		Oil Seal	1	1
12		Back-Up Ring	2	2
13		Plate Seal	2	2
	1352463	Seal Kit (Includes Items 8-13)	1	1

HYDRAULIC PUMP (Figure 8-4) SINGLE GEAR

(S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L),
S/N H177B-14210⇒ (LPG 3.0L))



HP150696

**HYDRAULIC PUMP
SINGLE GEAR****(S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L),
S/N H177B-14210⇒ (LPG 3.0L))****KEY:****A: Gasoline and LPG 2.0L, and Gasoline 3.0L, and Diesel 2.6L****B: LPG 3.0L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2037189	Hydraulic Pump	1	..
	2037190	Hydraulic Pump	..	1
1		Gear Plate	1	1
2	1377264	Gear Set	..	1
2	1377266	Gear Set	1	..
3	1458802	Flange	1	1
4	1458804	Plate	2	2
5		Plate Seal	2	2
6		Back-Up Ring	2	2
7		Oil Seal	1	1
8		Snap Ring	1	1
9	1465130	Screw	4	..
9	1465135	Screw	..	4
10		Body	1	1
11		Plunger	1	1
12		Spring	1	1
13		Plug	2	2
14		O-Ring	2	2
15	1465139	Valve Kit	1	1
16	1328828	O-Ring	1	1
17		O-Ring	1	1
	1465140	Seal Kit (Includes Items 5-8)	1	1
	1465141	Seal Kit (Includes Items 15-17)	1	1
	1465142	Pump Kit (Includes Items 10-14)	1	1

(⇒S/N H177B-13286 (LPG 3.0L), ⇒S/N H177B-13826 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L))



HYDRAULIC PUMP**DOUBLE GEAR**

(⇒S/N H177B-13286 (LPG 3.0L), ⇒S/N H177B-13826 (GASOLINE AND LPG 2.0L, GASOLINE 3.0L, AND DIESEL 3.0L))

KEY:

A: Gasoline and LPG 2.0L, and Gasoline 3.0L, and Diesel 2.6L

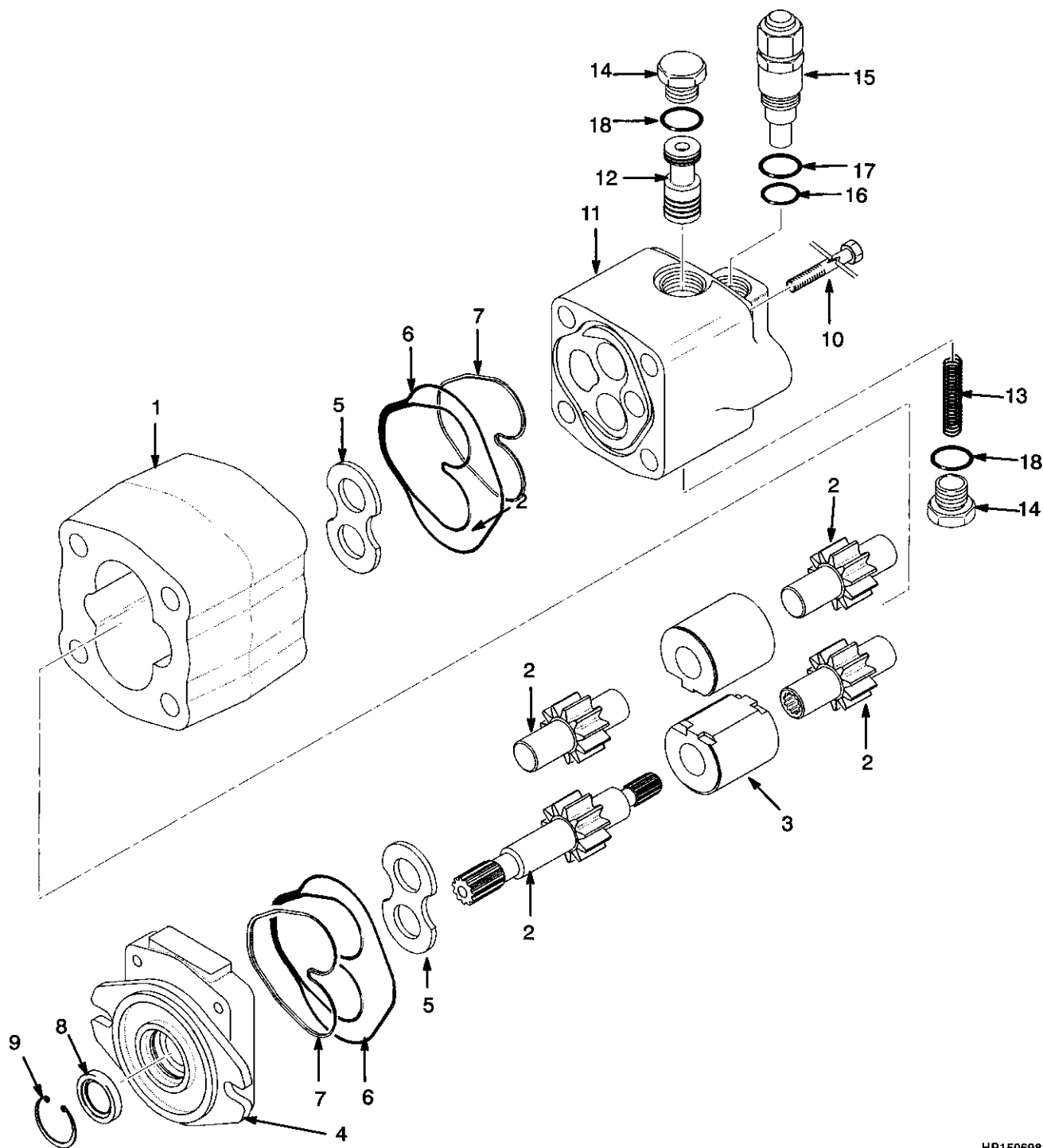
B: LPG 3.0L

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1456472	Hydraulic Pump	1	..
	1456473	Hydraulic Pump	..	1
1		Gear Plate	1	1
2	1458806	Gear Set	..	..
2	1458814	Gear Set	1	..
3		Bush	2	2
4	1458804	Plate	2	2
5		Back-Up Ring	2	2
6		Seal	2	2
7	1458810	Flange	1	1
8		Oil Seal	1	1
9		Snap Ring	1	1
10	1458811	Screw	..	4
10	1458818	Screw	4	..
11	1377255	Valve (☞ Figure 8-7)	1	1
12		O-Ring	1	1
13		O-Ring	1	1
14	1458803	Cover	1	1
	1352463	Seal Kit (Includes Items 5-6, 8-9, 12-13)	1	1

HYDRAULIC PUMP (Figure 8-6)

DOUBLE GEAR

(S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L),
S/N H177B-14210⇒ (LPG 3.0L))



HP150698

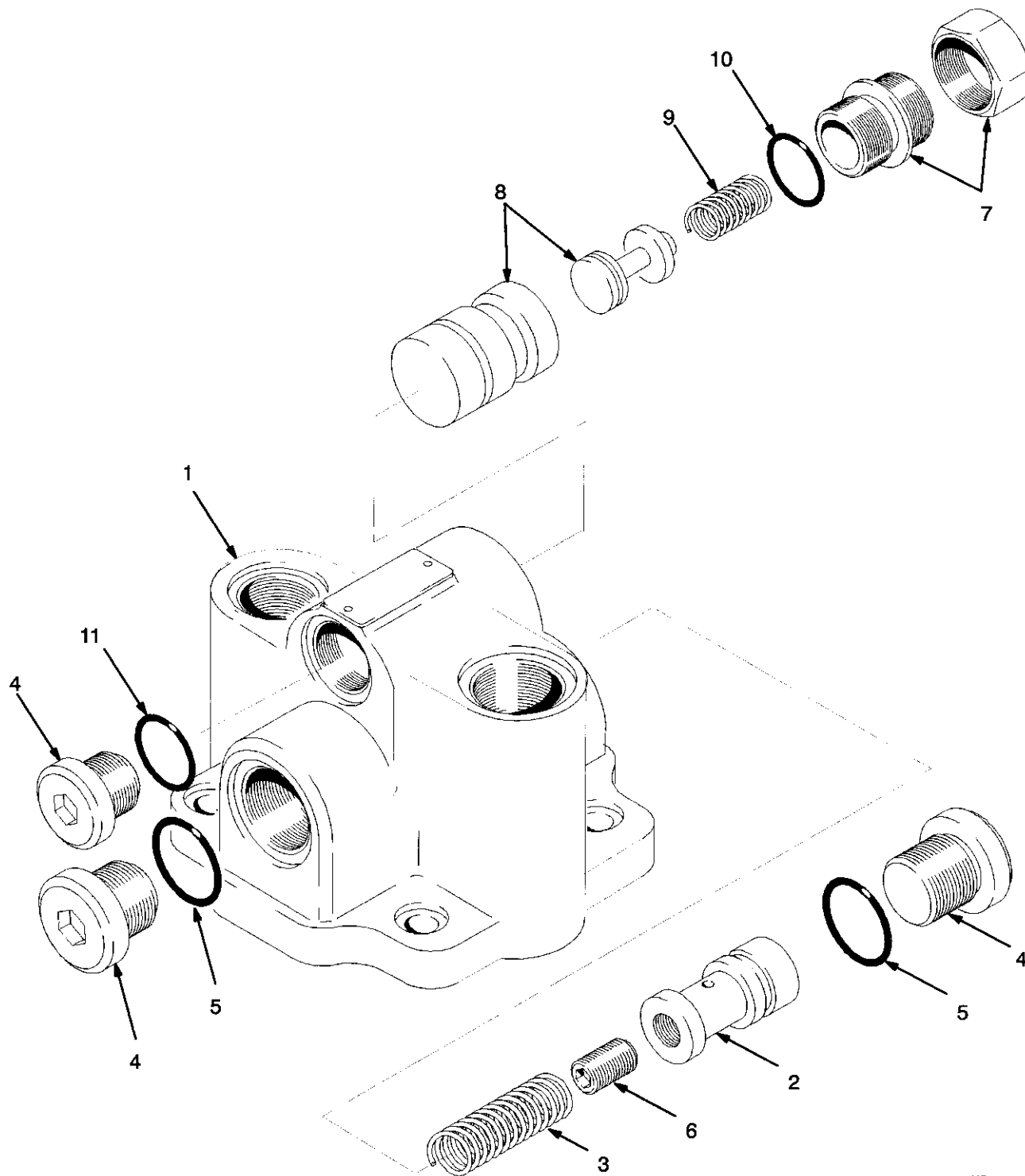
HYDRAULIC PUMP**DOUBLE GEAR**

(S/N H177B-13961⇒ (GASOLINE AND LPG 2.0L-2.2L, GASOLINE 3.0L, AND DIESEL 3.0L),
S/N H177B-14210⇒ (LPG 3.0L))

KEY:**A: Gasoline and LPG 2.0L, and Gasoline 3.0L, and Diesel 2.6L****B: LPG 3.0L**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2037192	Hydraulic Pump	1	..
	2037193	Hydraulic Pump	..	1
1		Body	1	1
2	1458806	Gear Set	..	1
2	1458814	Gear Set	1	..
3		Bush	2	2
4	1458810	Flange	1	1
5	1458804	Plate	2	2
6		Seal	2	2
7		Back-Up Ring	2	2
8		Oil Seal	1	1
9		Snap Ring	1	1
10	1458811	Screw	..	4
10	1458818	Screw	4	..
11		Body Assembly	1	1
12		Plunger	1	1
13		Spring	1	1
14		Plug	2	2
15	1465139	Valve Kit	1	1
16		O-Ring	1	1
17		O-Ring	1	1
18		O-Ring	2	2
	1465140	Seal Kit (Includes Items 6-9)	1	1
	1465141	Seal Kit (Includes Items 15-17)	1	1
	1465142	Pump Kit (Includes Items 11-14, 18)	1	1

FLOW VALVE (Figure 8-7)



HP150699

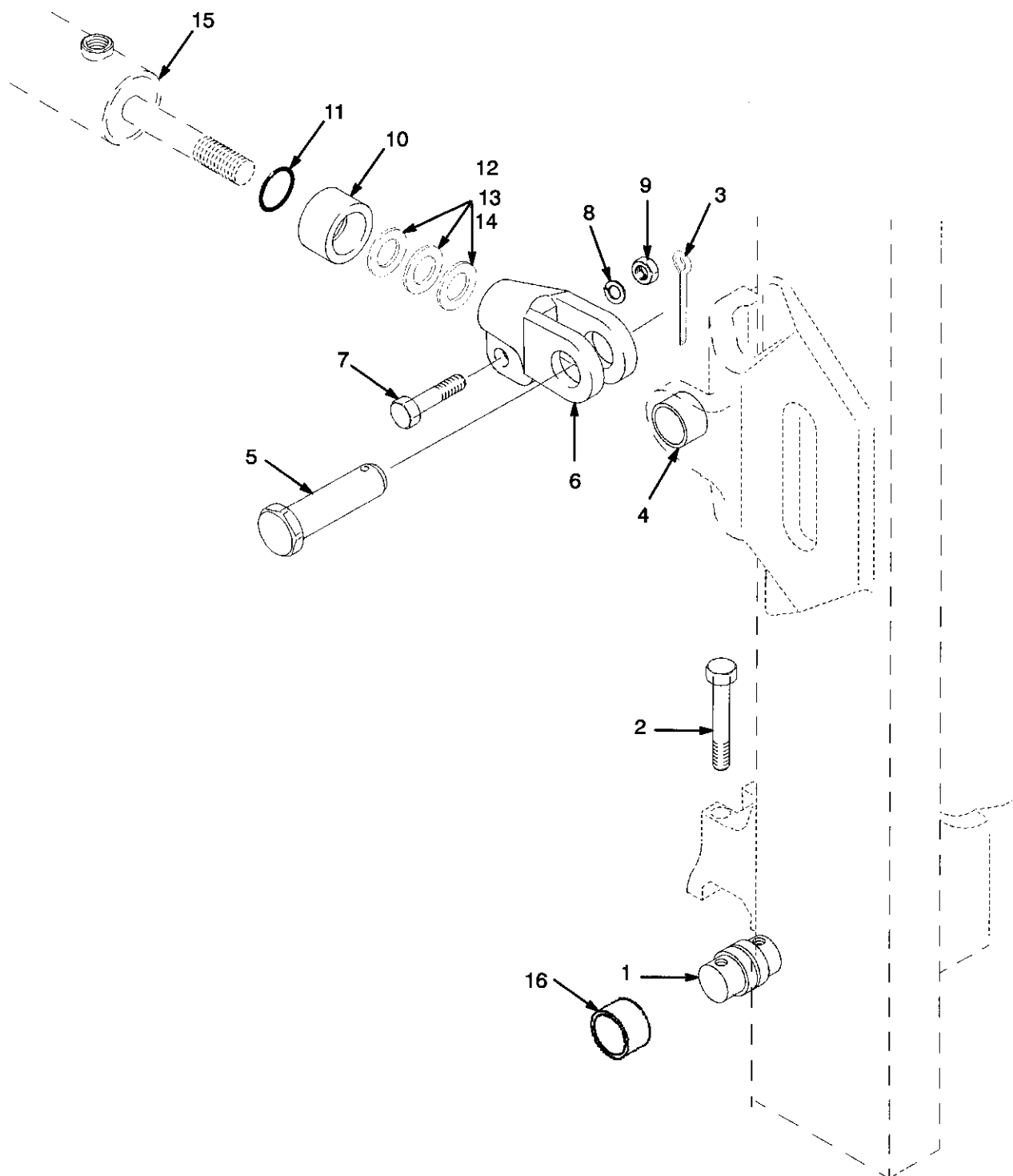
FLOW VALVE

ITEM	PART NO.	DESCRIPTION	QTY
	1377255	Valve	1
1		Body	1
2		Plunger	1
3	321797	Spring	1
4	321792	Plug	3
5	16485	O-Ring (Face Seal).....	2
6	1328822	Plug	1
7	1377256	Adjuster Kit	1
8		Housing	1
8		Poppet	1
9	1377257	Spring	1
10	1377259	O-Ring	1
11	1377260	O-Ring	1
	1377258	Seal Kit (Includes Items 5, 10-11)	1
	1377261	Seal Kit (Includes Item 8)	1

MAST INSTALLATION (Figure 8-8)

SHEET 1 OF 2

6° FORWARD TILT



HP171012

MAST INSTALLATION

SHEET 1 OF 2

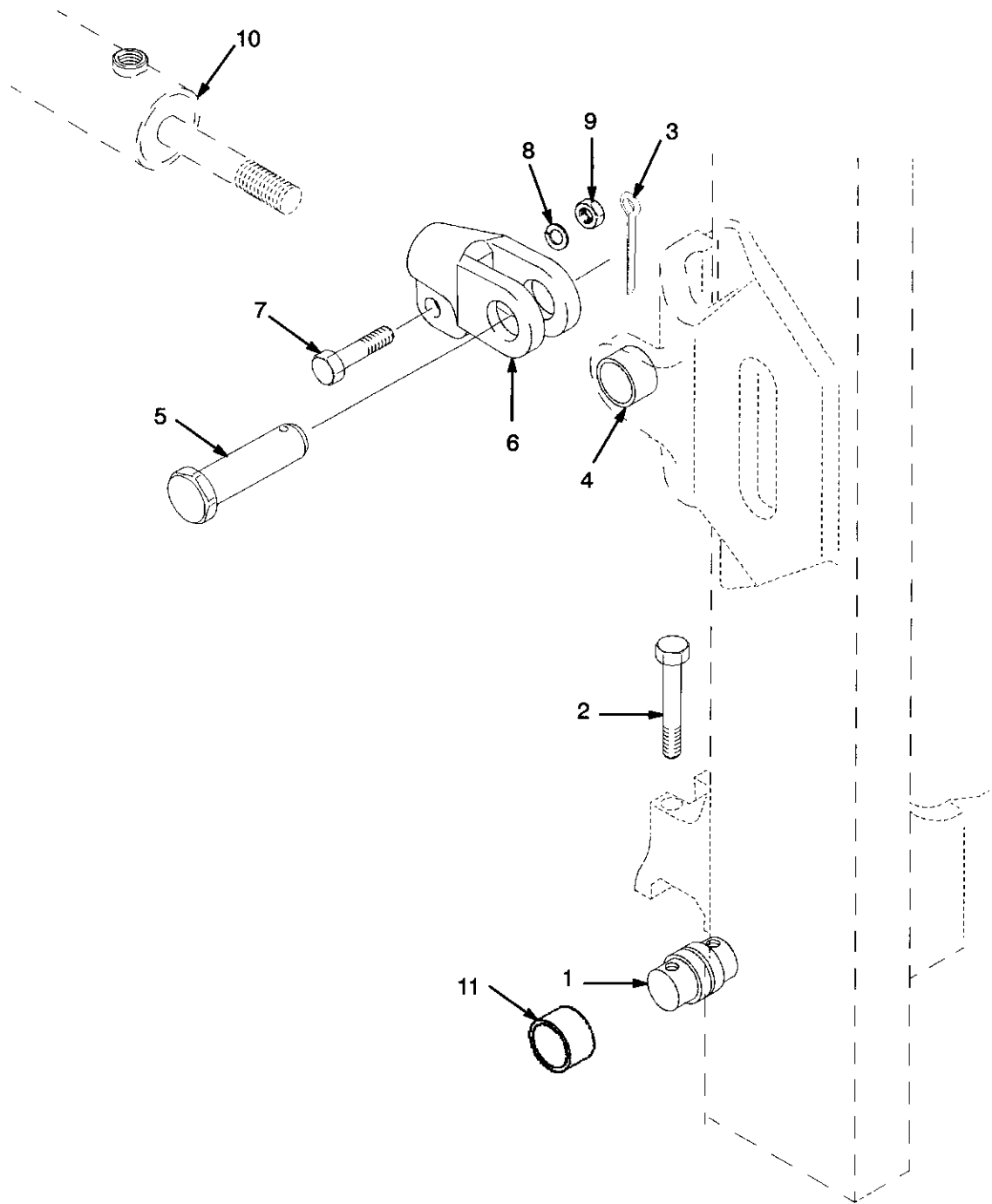
6° FORWARD TILT

KEY:**A:** 6° Forward Tilt/10° Back Tilt**B:** 6° Forward Tilt/6° Back Tilt**C:** 6° Forward Tilt/5° Back Tilt

ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	1376424	Pin	2	2	2
2	296053	Capscrew.....	4	4	4
3	15236	Cotter Pin.....	2	2	2
4	300982	Bushing.....	2	2	2
5	1345354	Rod End Pin	2	2	2
6	1307641	Rod End.....	2	2	2
7	293650	Capscrew.....	2	2	2
8	292683	Lockwasher.....	2	2	2
9	292656	Nut	2	2	2
10	1451788	Spacer	..	2	..
10	384101	Spacer	..	..	2
11	55434	O-Ring	..	2	2
12	134675	Shim (0.060 in.)	..	AR	AR
13	1325119	Shim (0.030 in.)	..	AR	AR
14	1361948	Shim	..	AR	AR
15	1338742	Tilt Cylinder (☞ Figure 8-10)	2	2	2
16	1333385	Bushing.....	2	2	2
16	1380115	Bushing (Optional).....	2	2	2

MAST INSTALLATION (Figure 8-9)

SHEET 2 OF 2
10° FORWARD TILT

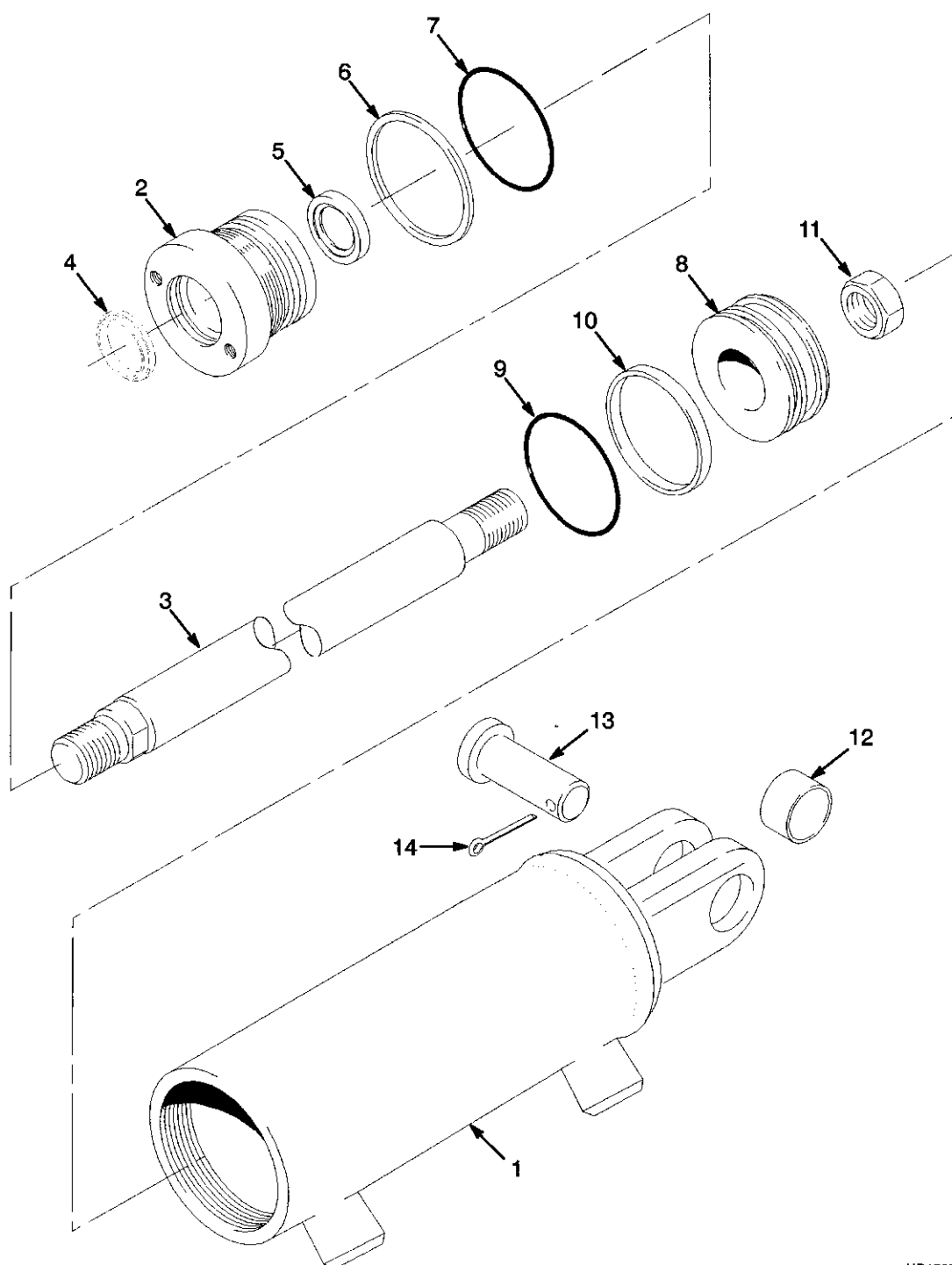


HP171013

**MAST INSTALLATION
SHEET 2 OF 2
10° FORWARD TILT**

ITEM	PART NO.	DESCRIPTION	QTY
1	1376424	Pin	2
2	1376423	Capscrew.....	4
3	15236	Cotter Pin.....	2
4	300982	Bushing.....	2
5	1345354	Rod End Pin	2
6	1356318	Rod End.....	2
7	293650	Capscrew.....	2
8	292683	Lockwasher.....	2
9	216877	Nut	2
10	1338742	Tilt Cylinder.....	2
11	1380115	Bushing (Optional)	2
11	1333385	Bushing.....	2

TILT CYLINDER (Figure 8-10)

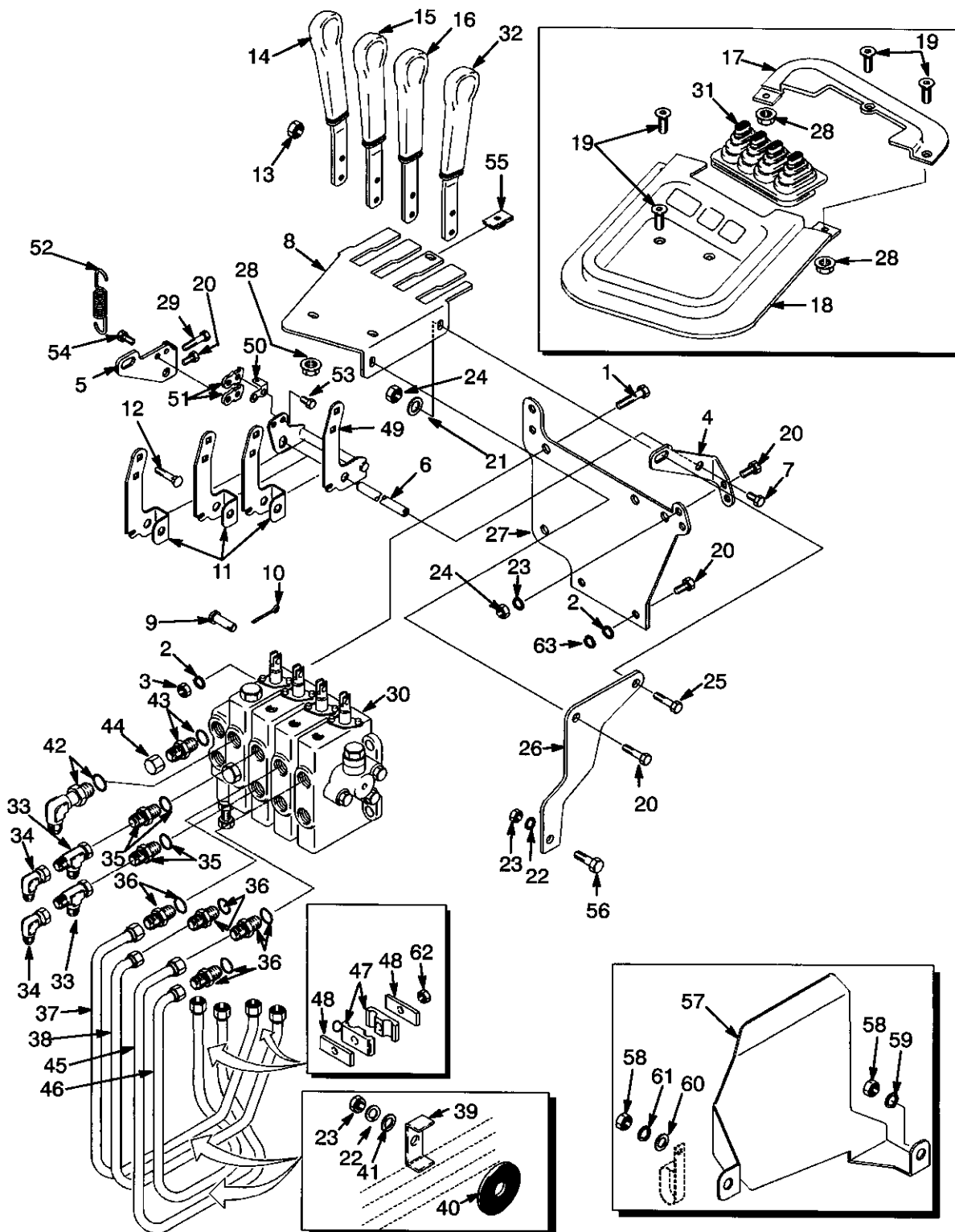


HP150700

TILT CYLINDER

ITEM	PART NO.	DESCRIPTION	QTY
	1338742	Tilt Cylinder.....	1
1	1338743	Shell	1
2	1338744	Gland.....	1
3	1338740	Rod.....	1
4	1383062	Wiper Ring.....	1
5	1381082	Seal	1
6	154375	Back-Up Ring	1
7	46388	O-Ring	1
8	1338741	Piston	1
9	59583	O-Ring	1
10	1380882	Seal	1
11	2302899	Nut.....	1
12	300982	Bushing.....	2
13	1345354	Rod End Pin	2
14	15236	Cotter Pin.....	2
	1492644	Seal Kit (Includes Items 4-7, 9-10)	1

VALVE ATTACHING PARTS (Figure 8-11) THREE AND FOUR FUNCTION WITH DETENTED LEVERS (⇒S/N H177B-10871)



HP150701

VALVE ATTACHING PARTS THREE AND FOUR FUNCTION WITH DETENTED LEVERS (⇒S/N H177B-10871)

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	287860	Capscrew.....	3	3
2	292682	Lockwasher.....	3	3
3	136692	Nut	3	3
4	1339723	Bracket (RH)	1	1
5	1339724	Bracket (LH).....	1	1
6	1343443	Pivot.....	1	1
7	1328930	Capscrew.....	2	2
8	1339702	Panel.....	1	1
8	b 1361101	Panel.....	1	1
9	309109	Rod End Pin	3	4
10	15211	Cotter Pin.....	3	4
11	1339749	Crank	2	3
12	308980	Bolt	6	8
13	316834	Nut	6	8
14	1339725	Handlever (Lift)	1	1
15	1339727	Handlever (Tilt)	1	1
16	1339729	Handlever (3rd Function)	1	1
17	1338292	Cover	1	1
18	1339300	Cover	1	1
18	b 1361102	Cover	1	1
19	b 1339793	Screw.....	5	5
20	136749	Capscrew.....	8	8
21	320158	Washer	6	6
22	292681	Lockwasher.....	7	7
23	239503	Nut	5	5
24	313828	Nut	3	3
25	176640	Capscrew.....	1	1
26	1339737	Bracket.....	1	1
27	1339715	Bracket.....	1	1
28	b 1452270	Nut	3	3
28	1452270	Nut	4	4
29	132861	Capscrew.....	4	4
30	2033502	Control Valve (☞ Figure 8-15)	1	..
30	2033503	Control Valve (☞ Figure 8-16)	..	1
31	1339636	Boot	..	1
31	1339799	Boot	1	..
32	1339731	Handlever (4th Function)	..	1
33	17059	Fitting.....	2	2
34	16987	Fitting.....	2	2
35	222381	Fitting.....	2	2
35	16484	O-Ring	1	1
36	16541	Fitting.....	2	4
36	16484	O-Ring	1	1
37	1343461	Tube	1	1

VALVE ATTACHING PARTS THREE AND FOUR FUNCTION WITH DETENTED LEVERS (⇒S/N H177B-10871)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
38	1343481	Tube	1	1
39	1343531	Clamp	1	2
40	1347112	Washer (Rubber)	1	2
41	320157	Washer	2	4
42	17197	Fitting	1	1
42	16484	O-Ring	1	1
43	17756	Fitting	1	1
43	16485	O-Ring (Face Seal).....	1	1
44	16923	Fitting	1	1
45	1379506	Tube	..	1
46	1379507	Tube	..	1
47	1359620	Clamp	2	4
48	1361142	Plate	2	4
49	1339748	Crank	..	1
49	1339770	Crank	1	..
50	1339746	Plate	1	1
51	1339745	Lock	2	2
52	1339713	Spring	1	1
53	293612	Capscrew	2	2
54	293611	Capscrew	2	2
55	1350215	Nut (Foldover).....	1	1
56	136681	Capscrew	1	1
57	a 1373819	Heat Shield	1	1
58	a 239503	Nut	2	2
59	a 320157	Washer	1	1
60	a 320158	Washer	2	2
61	a 292681	Lockwasher.....	1	1
62	316835	Nut	1	2
63	221733	Washer	3	3

FOOTNOTES:

a Gasoline and LPG 2.0L

b Used with Type GS, LPS, and DS

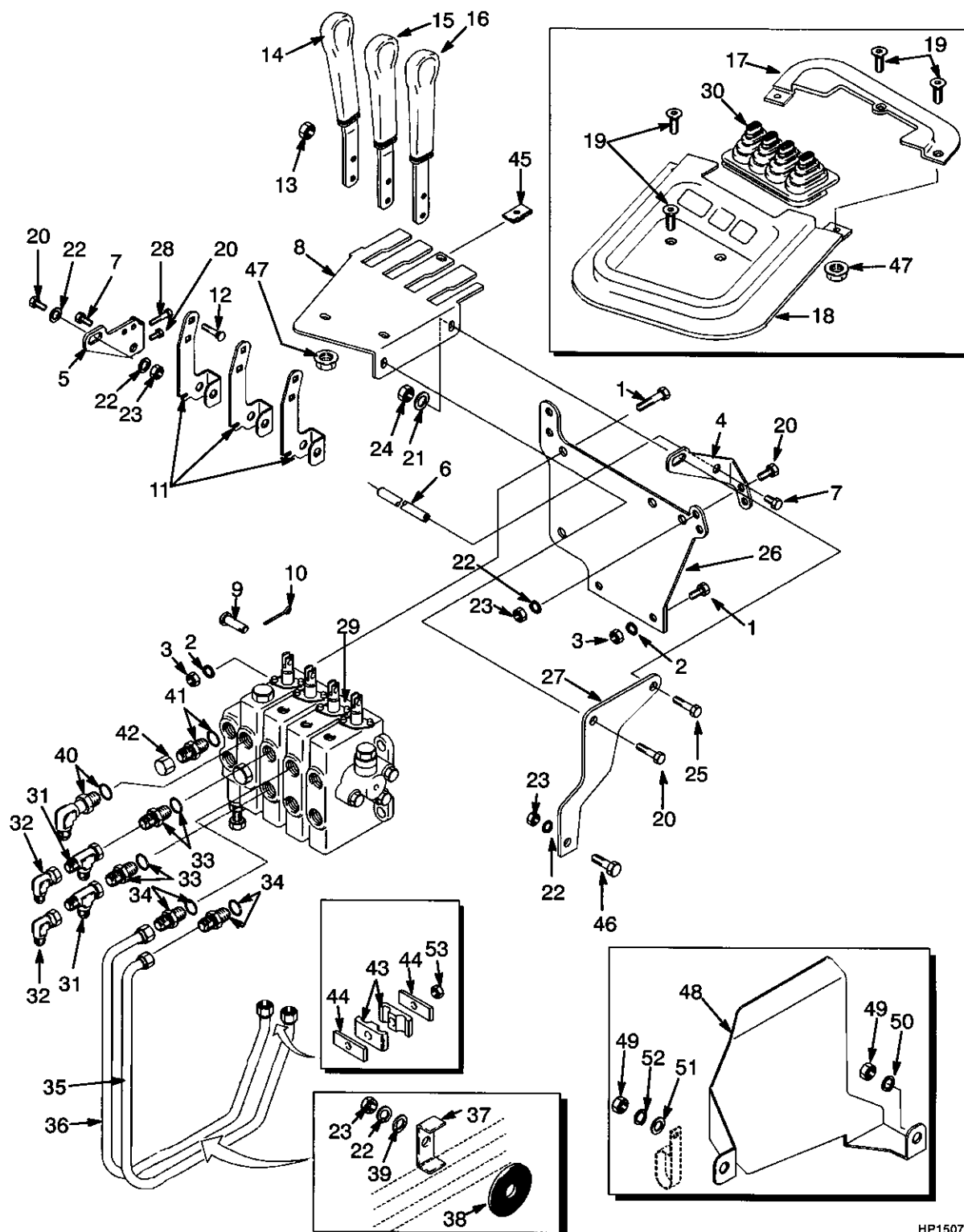
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VALVE ATTACHING PARTS (Figure 8-12)

THREE FUNCTION

WITHOUT DETENTED LEVERS

(⇒S/N H177B-10871)



HP150702

VALVE ATTACHING PARTS THREE FUNCTION WITHOUT DETENTED LEVERS (⇒S/N H177B-10871)

ITEM	PART NO.	DESCRIPTION	QTY
1	287860	Capscrew.....	3
2	292682	Lockwasher.....	3
3	136692	Nut.....	3
4	1339723	Bracket (RH).....	1
5	1339724	Bracket (LH).....	1
6	1343443	Pivot.....	1
7	1328930	Capscrew.....	2
8	1339702	Panel.....	1
8	b 1361101	Panel.....	1
9	309109	Rod End Pin.....	3
10	15211	Cotter Pin.....	3
11	1339749	Crank.....	3
12	308980	Bolt.....	6
13	316834	Nut.....	6
14	1339725	Handlever (Lift).....	1
15	1339727	Handlever (Tilt).....	1
16	1339729	Handlever (3rd Function).....	1
17	1338292	Cover.....	1
18	1339300	Cover.....	1
18	b 1361102	Cover.....	1
19	b 1339793	Screw.....	5
19	1339793	Screw.....	6
20	136749	Capscrew.....	8
21	320158	Washer.....	8
22	292681	Lockwasher.....	9
23	239503	Nut.....	7
24	313828	Nut.....	3
25	176640	Capscrew.....	1
26	1339737	Bracket.....	1
27	1339715	Bracket.....	1
28	132861	Capscrew.....	1
29	2033502	Control Valve (☞ Figure 8-15).....	1
30	1339799	Boot.....	1
31	17059	Fitting.....	2
32	16987	Fitting.....	2
33	222381	Fitting.....	2
33	16484	O-Ring.....	1
34	16541	Fitting.....	2
34	16484	O-Ring.....	1
35	1343461	Tube.....	1
36	1343481	Tube.....	1
37	1343531	Clamp.....	1
38	1347112	Washer (Rubber).....	1
39	320157	Washer.....	2
40	17197	Fitting.....	1
40	16484	O-Ring.....	1
41	17756	Fitting.....	1
41	16485	O-Ring (Face Seal).....	1
42	16923	Fitting.....	1

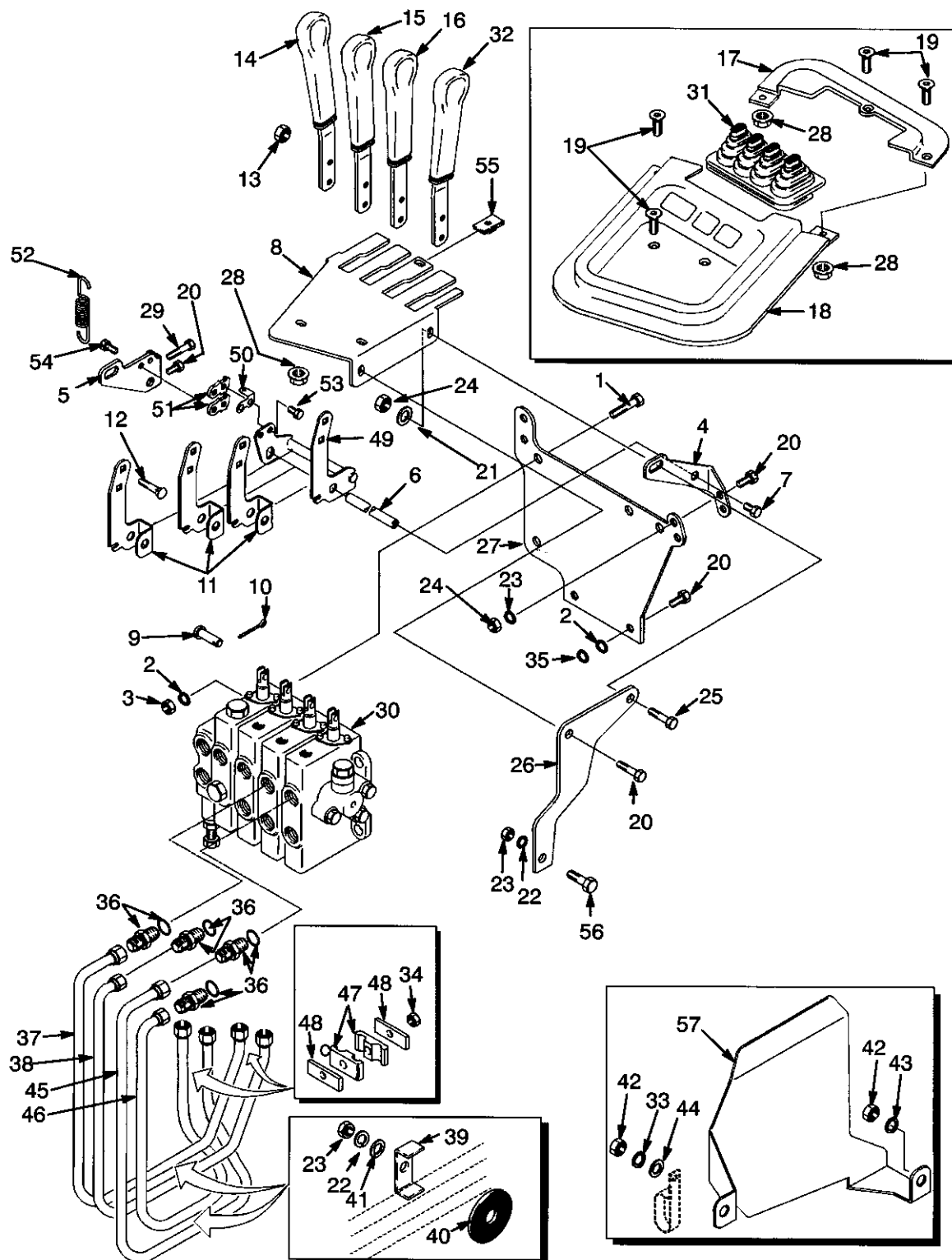
**VALVE ATTACHING PARTS
THREE FUNCTION
WITHOUT DETENTED LEVERS
(⇒S/N H177B-10871)**

ITEM	PART NO.	DESCRIPTION	QTY
43	1359620	Clamp	2
44	1361142	Plate	2
45	1350215	Nut (Foldover)	1
46	136681	Capscrew	1
47	1452270	Nut	4
48	a 1373819	Heat Shield	1
49	a 239503	Nut	2
50	a 320157	Washer	1
51	320158	Washer	2
52	292681	Lockwasher	1
53	316835	Nut	1

FOOTNOTES:**a** Gasoline and LPG 2.0L**b** Used with Type GS, LPS, and DS

[illegible]

VALVE ATTACHING PARTS (Figure 8-13) THREE AND FOUR FUNCTION WITH DETENTED LEVERS (S/N H177B-10872⇒)



HP150703

VALVE ATTACHING PARTS THREE AND FOUR FUNCTION WITH DETENTED LEVERS (S/N H177B-10872⇒)

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	287860	Capscrew.....	3	3
2	292682	Lockwasher.....	3	3
3	136692	Nut	3	3
4	1339723	Bracket (RH)	1	1
5	1339724	Bracket (LH).....	1	1
6	1343443	Pivot.....	1	1
7	1328930	Capscrew.....	2	2
8	1339702	Panel.....	1	1
8	b 1361101	Panel.....	1	1
9	309109	Rod End Pin	3	4
10	15211	Cotter Pin.....	3	4
11	1339749	Crank	2	3
12	308980	Bolt	6	8
13	316834	Nut	6	8
14	1339725	Handlever (Lift)	1	1
15	1339727	Handlever (Tilt)	1	1
16	1339729	Handlever (3rd Function)	1	1
17	1338292	Cover	1	1
18	1339300	Cover	1	1
18	b 1361102	Cover	1	1
19	1507924	Screw.....	5	5
20	136749	Capscrew.....	6	6
21	320158	Washer	6	6
22	292681	Lockwasher.....	7	7
23	239503	Nut	5	5
24	313828	Nut	3	3
25	176640	Capscrew.....	1	1
26	1339737	Bracket.....	1	1
27	c 1339715	Bracket.....	1	1
27	d 1500537	Bracket.....	1	1
28	b 1452270	Nut	3	3
28	1452270	Nut	4	4
29	132861	Capscrew.....	4	4
30	2042619	Control Valve (☞ Figure 8-15)	1	..
30	2040357	Control Valve (☞ Figure 8-16)	..	1
31	1339636	Boot	..	1
31	1339799	Boot	1	..
32	1339731	Handlever (4th Function)	..	1
33	a 292681	Lockwasher.....	1	1
34	316835	Nut	1	2
35	221733	Washer	2	2
36	16541	Fitting.....	2	4
36	16484	O-Ring.....	1	1
37	1343461	Tube	1	1

VALVE ATTACHING PARTS THREE AND FOUR FUNCTION WITH DETENTED LEVERS (S/N H177B-10872⇒)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
38	1343481	Tube	1	1
39	1343531	Clamp	1	2
40	1347112	Washer (Rubber)	1	2
41	320157	Washer	2	4
42	a 239503	Nut	2	2
43	a 320157	Washer	1	1
44	a 320158	Washer	2	2
45	1379506	Tube	..	1
46	1379507	Tube	..	1
47	1359620	Clamp	2	4
48	1361142	Plate	2	4
49	1339748	Crank	..	1
49	1339770	Crank	1	..
50	1339746	Plate	1	1
51	1339745	Lock	2	2
52	1339713	Spring	1	1
53	293612	Capscrew	2	2
54	293611	Capscrew	2	2
55	1350215	Nut (Foldover)	1	1
56	136681	Capscrew	1	1
57	1373819	Heat Shield	1	1

FOOTNOTES:

- a** Gasoline and LPG 2.0L
- b** Used with Type GS, LPS, and DS
- c** ⇒ S/N H177B-30131Y
- d** S/N H177B-30132Y ⇒

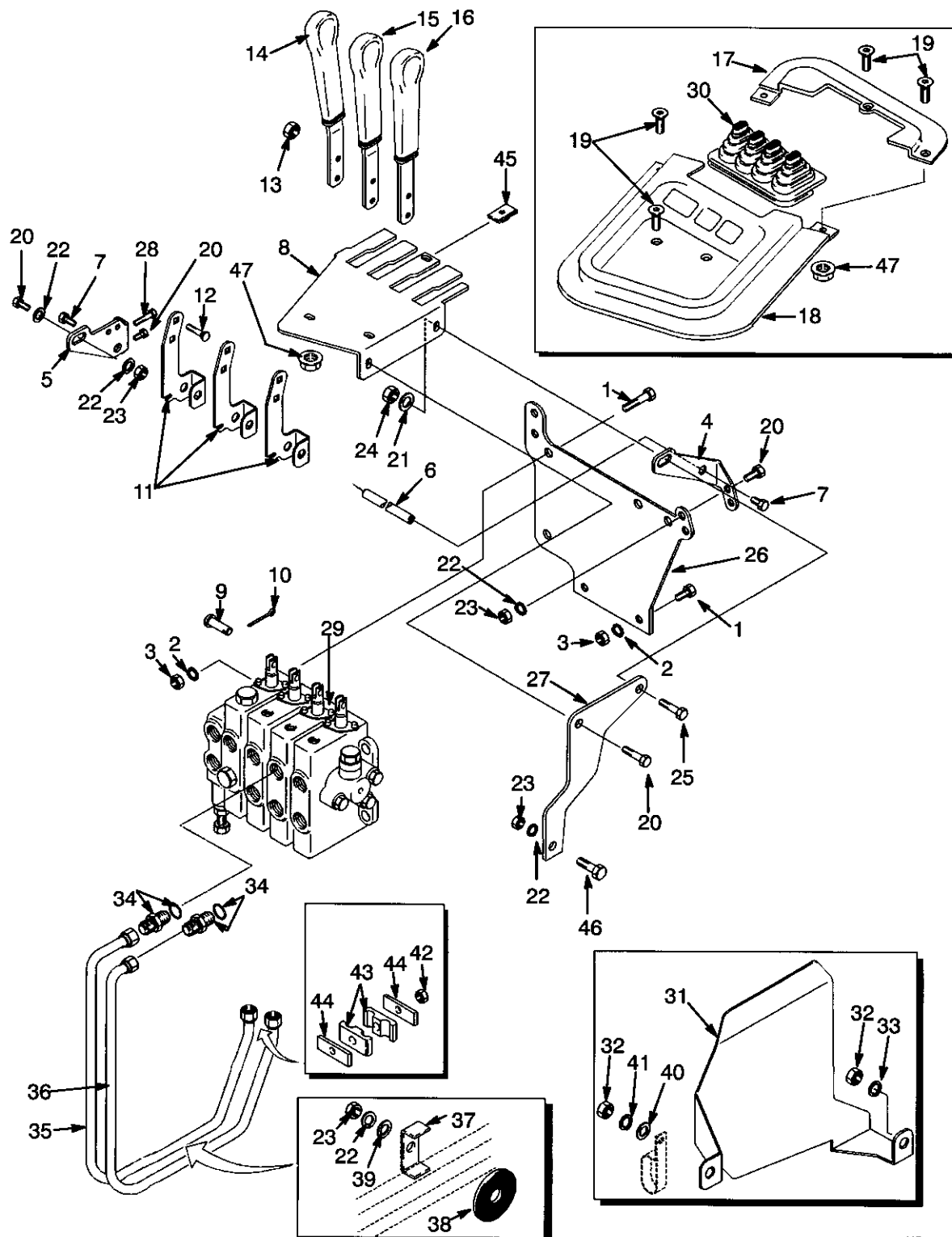
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VALVE ATTACHING PARTS (Figure 8-14)

THREE FUNCTION

WITHOUT DETENTED LEVERS

(S/N H177B-10872⇒)



HP150704

VALVE ATTACHING PARTS THREE FUNCTION WITHOUT DETENTED LEVERS (S/N H177B-10872⇒)

ITEM	PART NO.	DESCRIPTION	QTY
1	287860	Capscrew.....	3
2	292682	Lockwasher.....	3
3	136692	Nut.....	3
4	1339723	Bracket (RH).....	1
5	1339724	Bracket (LH).....	1
6	1343443	Pivot.....	1
7	1328930	Capscrew.....	2
8	1339702	Panel.....	1
8	b 1361101	Panel.....	1
9	309109	Rod End Pin.....	3
10	15211	Cotter Pin.....	3
11	1339749	Crank.....	3
12	308980	Bolt.....	6
13	316834	Nut.....	6
14	1339725	Handlever (Lift).....	1
15	1339727	Handlever (Tilt).....	1
16	1339729	Handlever (3rd Function).....	1
17	1338292	Cover.....	1
18	1339300	Cover.....	1
18	b 1361102	Cover.....	1
19	b 1339793	Screw.....	5
19	1339793	Screw.....	6
20	136749	Capscrew.....	8
21	320158	Washer.....	8
22	292681	Lockwasher.....	9
23	239503	Nut.....	7
24	313828	Nut.....	3
25	176640	Capscrew.....	1
26	1339737	Bracket.....	1
27	c 1339715	Bracket.....	1
27	d 1500537	Bracket.....	1
28	132861	Capscrew.....	1
29	2042619	Control Valve (☞ Figure 8-15).....	1
30	1339799	Boot.....	1
31	a 1373819	Heat Shield.....	1
32	a 239503	Nut.....	2
33	a 320157	Washer.....	2
34	16484	O-Ring.....	1
34	16541	Fitting.....	2
35	1343461	Tube.....	1
36	1343481	Tube.....	1
37	1343531	Clamp.....	1
38	1347112	Washer (Rubber).....	1
39	320157	Washer.....	2
40	320158	Washer.....	2
41	292681	Lockwasher.....	1
42	316835	Nut.....	1
43	1359620	Clamp.....	2
44	1361142	Plate.....	2

**VALVE ATTACHING PARTS
THREE FUNCTION
WITHOUT DETENTED LEVERS
(S/N H177B-10872⇒)**

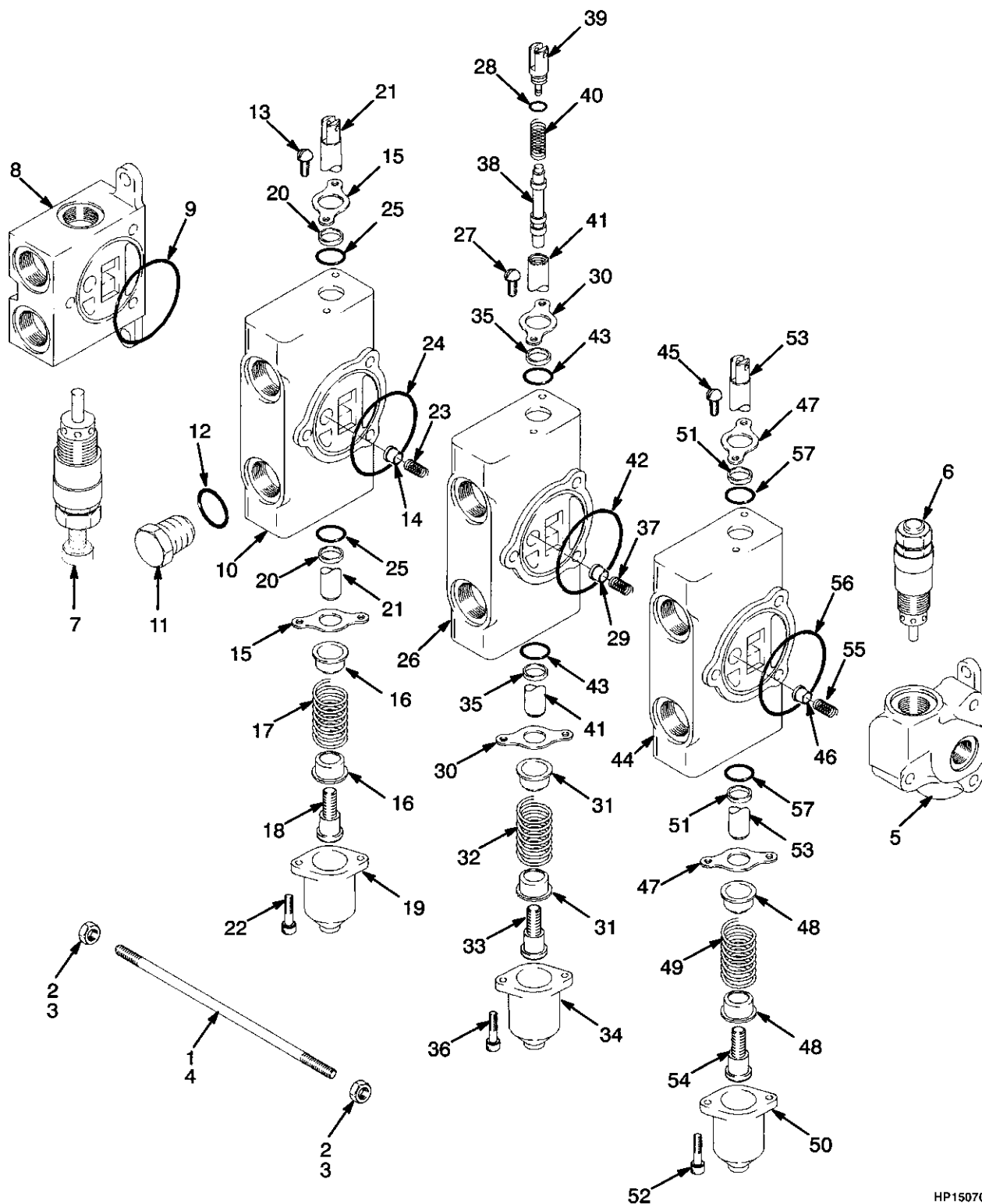
ITEM	PART NO.	DESCRIPTION	QTY
45	316835	Nut.....	1
46	136681	Capscrew.....	1
47	1452270	Nut.....	4

FOOTNOTES:

- a** Gasoline and LPG 2.0L
- b** Use with Type GS, LPS, and DS
- c** ⇒ S/N H177B-30131Y
- d** S/N H177B-30132Y ⇒

[illegible]

CONTROL VALVE (Figure 8-15) THREE FUNCTION



HP150705

**CONTROL VALVE
THREE FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2033502	Control Valve	1
	b 2042619	Control Valve	1
1	1350707	Rod.....	1
2	188534	Nut.....	2
3	15055	Nut.....	4
4	1350706	Rod.....	2
5	1451092	Valve (Outlet).....	1
6	378424	Relief Valve	1
6	1309419	Seal Kit.....	1
7	350485	Relief Valve	1
7	1357369	Seal Kit.....	1
8	385474	Valve Section (Inlet)	1
9	57664	O-Ring.....	1
10	1357354	Spool	1
11	199524	Plug.....	1
12	16484	O-Ring.....	1
13	16706	Screw	2
14	205120	Poppet.....	1
15	205121	Seal Plate.....	2
16	188516	Spring Seat	2
17	385855	Spring.....	1
18	188518	Spool End	1
19	188519	Cap	1
20	205122	Wiper.....	2
21		Spool.....	1
22	12949	Capscrew	2
23	205123	Spring.....	1
24	57664	O-Ring.....	1
25	1357361	O-Ring.....	2
26	1357355	Spool	1
27	16706	Screw	2
28	16480	O-Ring.....	1
29	205120	Poppet.....	1
30	205121	Seal Plate.....	2
31	188516	Spring Seat	1
32	385855	Spring.....	1
33	188518	Spool End	1
34	188519	Cap	1
35	205122	Wiper.....	2
36	12949	Capscrew	2
37	205123	Spring.....	1
38		Piston	1
39	1357364	Piston End.....	1
40	341462	Spring.....	1
41		Spool.....	1
42	57664	O-Ring.....	1
43	1357361	O-Ring.....	2
44	1357353	Spool	1
45	16706	Screw	2
46	205120	Poppet.....	1
47	205121	Seal Plate.....	2

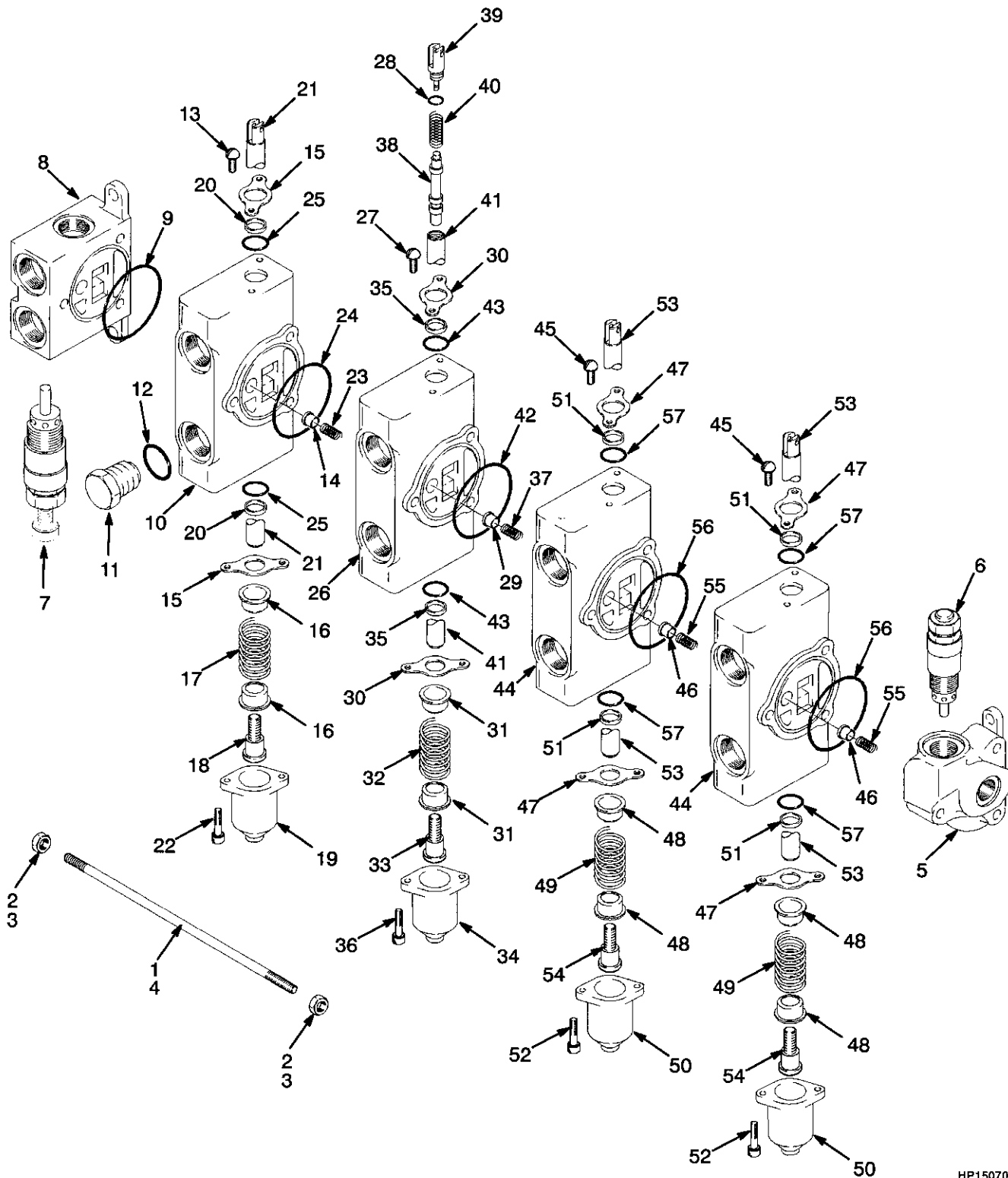
**CONTROL VALVE
THREE FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
48	188516	Spring Seat	2
49	385855	Spring.....	1
50	188519	Cap	1
51	205122	Wiper.....	2
52	12949	Capscrew	2
53		Spool.....	1
54	188518	Spool End	1
55	205123	Spring.....	1
56	57664	O-Ring.....	1
57	1357361	O-Ring.....	2

FOOTNOTES:**a** ⇒ S/N H177B-23563X**b** S/N H177B-23564X ⇒

[illegible]

CONTROL VALVE (Figure 8-16) FOUR FUNCTION



HP150705

**CONTROL VALVE
FOUR FUNCTION**

ITEM	PART NO.	DESCRIPTION	QTY
	a 2033503	Control Valve	1
	b 2040357	Control Valve	1
1	1327415	Rod.....	1
2	188534	Nut.....	2
3	15055	Nut.....	4
4	1327414	Rod.....	2
5	1451092	Valve (Outlet).....	1
6	378424	Relief Valve	1
6	1309419	Seal Kit.....	1
7	350485	Relief Valve	1
7	1357369	Seal Kit.....	1
8	1357352	Inlet Section.....	1
9	57664	O-Ring.....	1
10	1357354	Spool	1
11	199524	Plug.....	1
12	16484	O-Ring.....	1
13	16706	Screw	2
14	205120	Poppet.....	1
15	205121	Seal Plate.....	2
16	188516	Spring Seat	2
17	385855	Spring.....	1
18	188518	Spool End	1
19	188519	Cap	1
20	205122	Wiper.....	2
21		Spool.....	1
22	12949	Capscrew	2
23	205123	Spring.....	1
24	57664	O-Ring.....	1
25	1357361	O-Ring.....	2
26	1357355	Spool	1
27	16706	Screw	2
28	16480	O-Ring.....	1
29	205120	Poppet.....	1
30	205121	Seal Plate.....	2
31	188516	Spring Seat	1
32	385855	Spring.....	1
33	188518	Spool End	1
34	188519	Cap	1
35	205122	Wiper.....	2
36	12949	Capscrew	2
37	205123	Spring.....	1
38		Piston	1
39	1357364	Piston End.....	1
40	341462	Spring.....	1
41		Spool.....	1
42	57664	O-Ring.....	1
43	1357361	O-Ring.....	2
44	1357353	Spool	2
45	16706	Screw	2
46	205120	Poppet.....	1
47	205121	Seal Plate.....	2

CONTROL VALVE FOUR FUNCTION

ITEM	PART NO.	DESCRIPTION	QTY
48	188516	Spring Seat	2
49	385855	Spring.....	1
50	188519	Cap	1
51	205122	Wiper.....	2
52	12949	Capscrew	2
53		Spool.....	1
54	188518	Spool End	1
55	205123	Spring.....	1
56	57664	O-Ring.....	1
57	1357361	O-Ring.....	2

FOOTNOTES:

a ⇒ S/N H177B-23563X

b S/N H177B-23564X ⇒

9

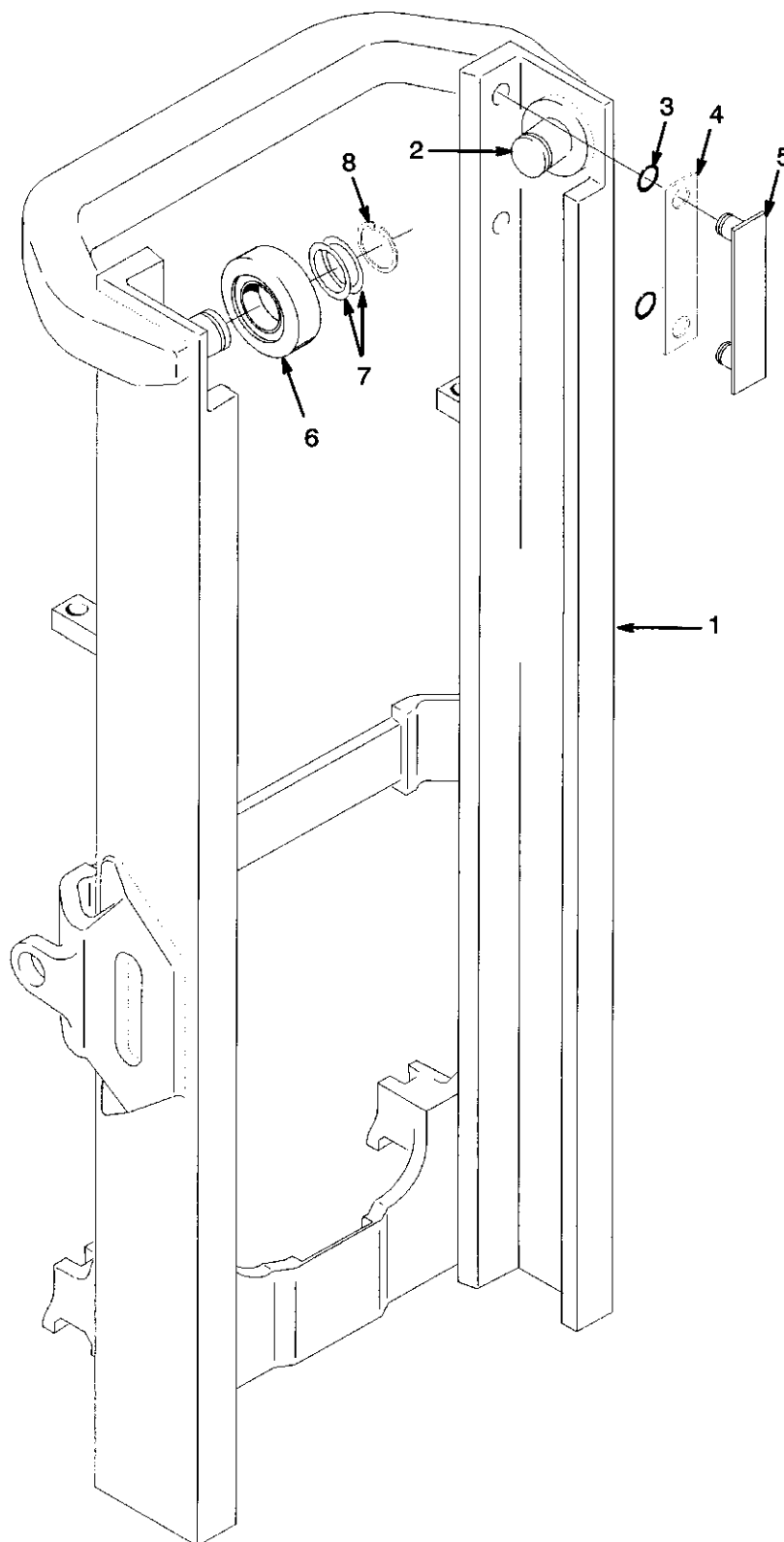
MAST-TWO STAGE LIMITED FREE-LIFT

SECTION 9

MAST-TWO STAGE LIMITED FREE-LIFT

DESCRIPTION	PAGE
CARRIAGE	
TWO STAGE LIMITED FREE-LIFT	
SIX ROLLER	9-18
HEADER HOSE	
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TWO STAGE LIMITED FREE-LIFT	9-4
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LIFT CYLINDER	
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H45-55XM	9-12
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TWO STAGE LIMITED FREE-LIFT	9-2

OUTER MAST (Figure 9-1) TWO STAGE LIMITED FREE-LIFT



HP171005

**OUTER MAST
TWO STAGE LIMITED FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
1	Outer Mast	1341000	1341001	1341005	1341008

H45-55XM (CONT.)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	Mast Group Number	B507 3792	B507 4292	B507 4792
1	Outer Mast	1341013	1341019	1341024

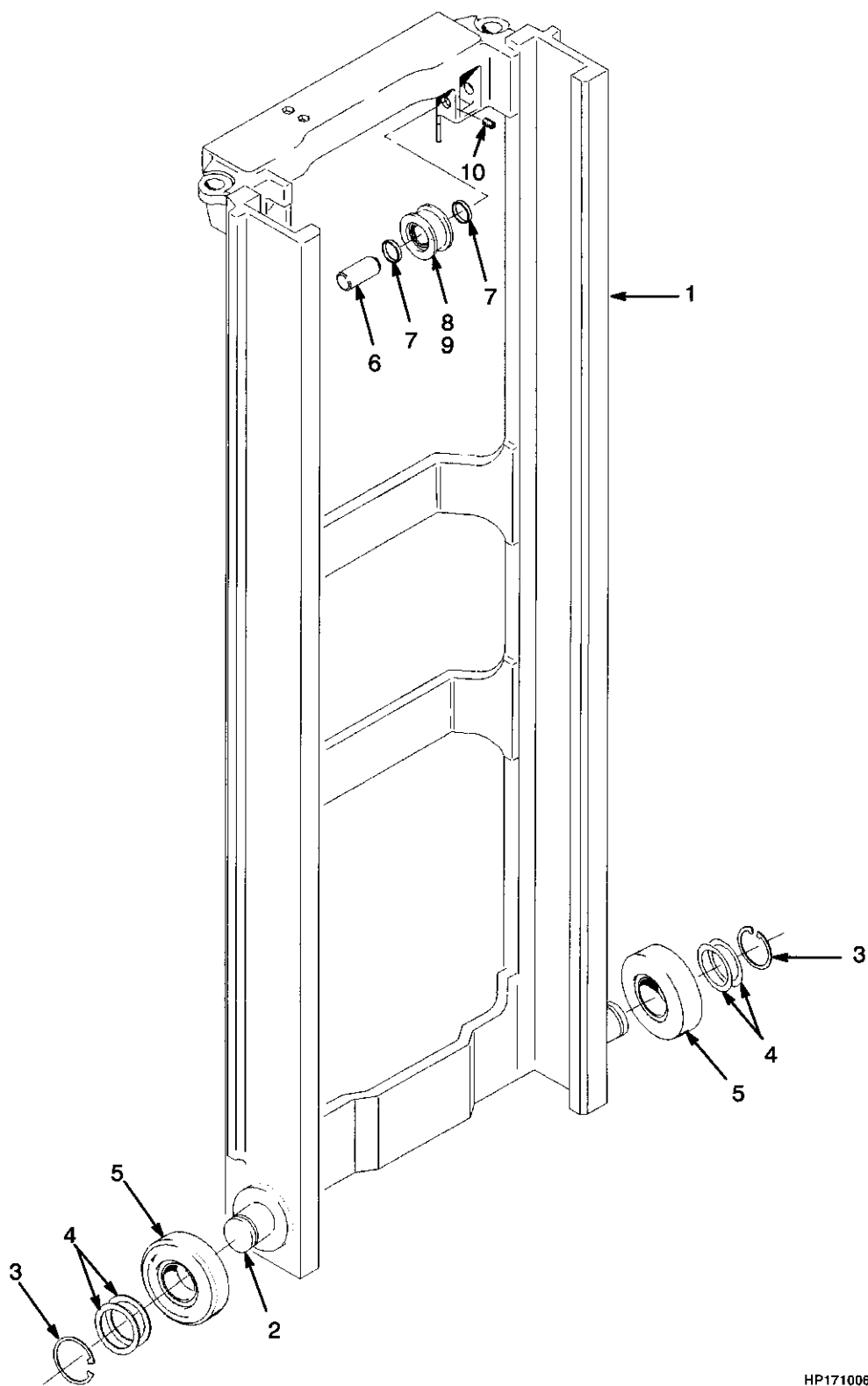
H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
1	Outer Mast	1341000	1341001	1341008	1341013	1341019	1341024

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Outer Mast.....	1
2	1345216	Stubshaft	2
3	104506	O-Ring	4
4	131716	Shim (0.020 in.)	4
5	215211	Bearing Strip.....	2
6	1333396	Load Roller (Standard)	2
6	1333397	Load Roller (1,52 mm).....	2
7	129387	Shim (0.020 in.)	AR
8	58901	Snap Ring.....	2

FOOTNOTES:**a** Refer to Table

INNER MAST (Figure 9-2) TWO STAGE LIMITED FREE-LIFT



HP171006

**INNER MAST
TWO STAGE LIMITED FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
1	Inner Mast	1341205	1341206	1341210	1341213

H45-55XM (CONT.)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	Mast Group Number	B507 3792	B507 4292	B507 4792
1	Inner Mast	1341218	1341223	1341228

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
1	Inner Mast	1341205	1341206	1341213	1341218	1341223	1341228

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Inner Mast.....	1
2	1345216	Stubshaft	2
3	58901	Snap Ring.....	2
4	129387	Shim (0.020 in.)	AR
5	1333396	Load Roller (Standard)	2
5	1333397	Load Roller (1,52 mm).....	2
6	1368656	Pin	2
7	1378691	Spacer	4
8	bd 1345183	Chain Sheave (H45-65XM).....	2
8	c 1379685	Chain Sheave Assembly (H45-55XM)	2
8	1378698	Sheave.....	1
8	37752	Snap Ring.....	1
8	1378699	Bearing.....	1
9	e 1379684	Chain Sheave Assembly (H60-65XM)	2
9	1378694	Chain Sheave	1
9	37752	Snap Ring.....	1

INNER MAST TWO STAGE LIMITED FREE-LIFT

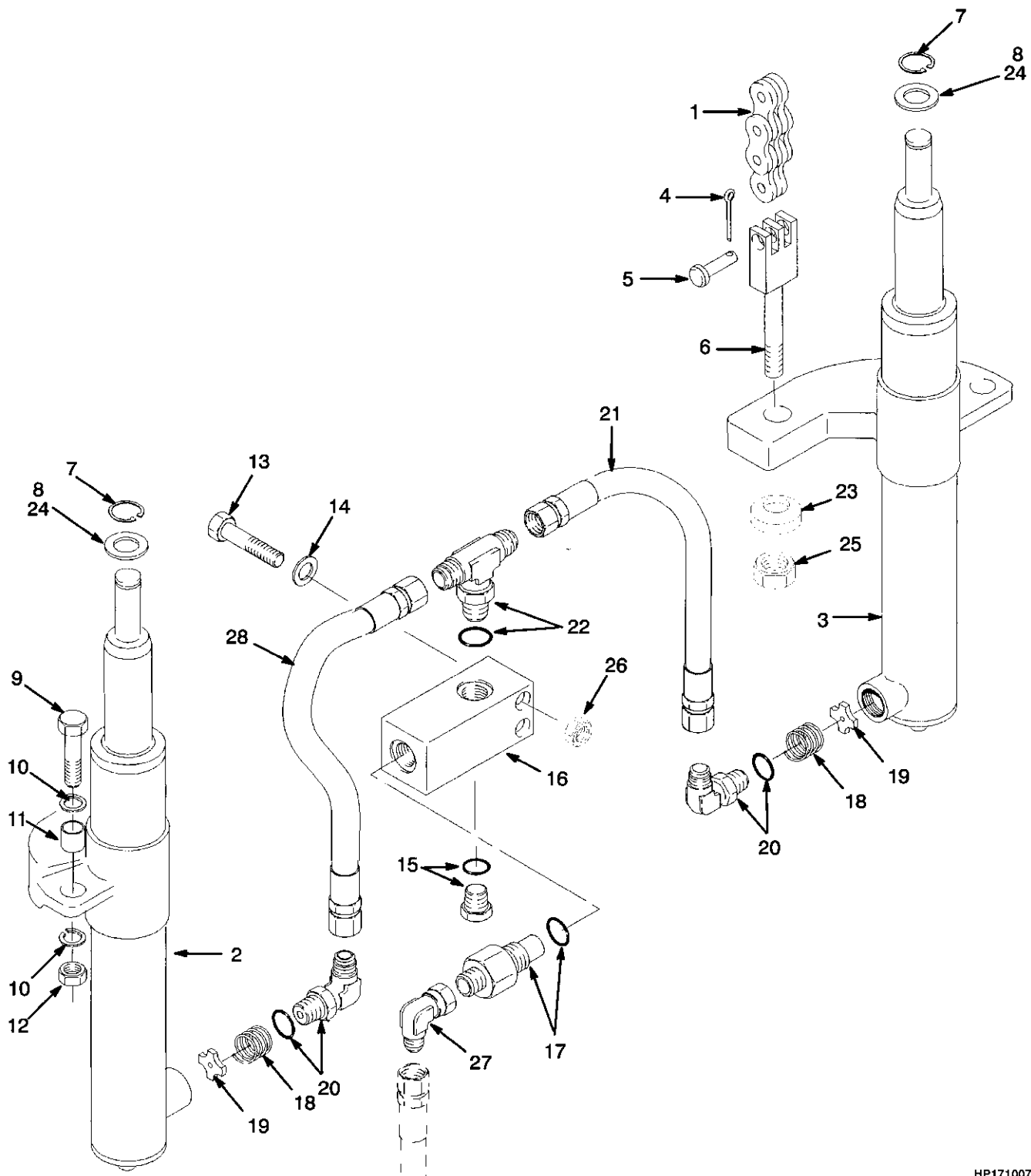
ITEM	PART NO.	DESCRIPTION	QTY
9	1378699	Bearing.....	1
10	302462	Pin	2

FOOTNOTES:

- a** Refer to Table
- b** ⇒ S/N B507B-07408S
- c** S/N B507B-07409S ⇒
- d** ⇒ S/N B562B-05197S
- e** S/N B562B-05198S ⇒

[illegible]

LIFT (Figure 9-3) TWO STAGE LIMITED FREE-LIFT



HP171007

**LIFT
TWO STAGE LIMITED FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
1	Chain	182332	135619	180057	223389

H45-55XM (CONT.)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	Mast Group Number	B507 3792	B507 4292	B507 4792
1	Chain	1301870	246994	336393

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
1	Chain	1342116	1342379	1342383	1342393	1359234	1342392

ITEM	PART NO.	DESCRIPTION	QTY
1	d	Chain	2
2		Cylinder (RH) (☞ Figure 9-4, ☞ Figure 9-5)	1
3		Cylinder (LH) (☞ Figure 9-4, ☞ Figure 9-5)	1
4	15211	Cotter Pin.....	2
5	1514866	Pin	2
6	b 1369356	Chain Anchor.....	2
6	a 1369357	Chain Anchor.....	2
7	131358	Snap Ring.....	2
8	1333382	Washer	AR
9	292532	Capscrew.....	2
10	296422	Washer	4
11	323090	Spacer	2
12	300937	Nut	2
13	136704	Capscrew.....	2
14	320157	Washer	2
15	c 14603	Fitting (Used with optional item 16)	1
15	16486	O-Ring (Face Seal).....	1
16	1379687	Housing	1
16	c 1333392	Housing	1
17	2309766	Control Valve (Lowering) (H45-55XM).....	1
17	316306	Control Valve (Lowering) (H60-65XM).....	1

LIFT
TWO STAGE LIMITED FREE-LIFT

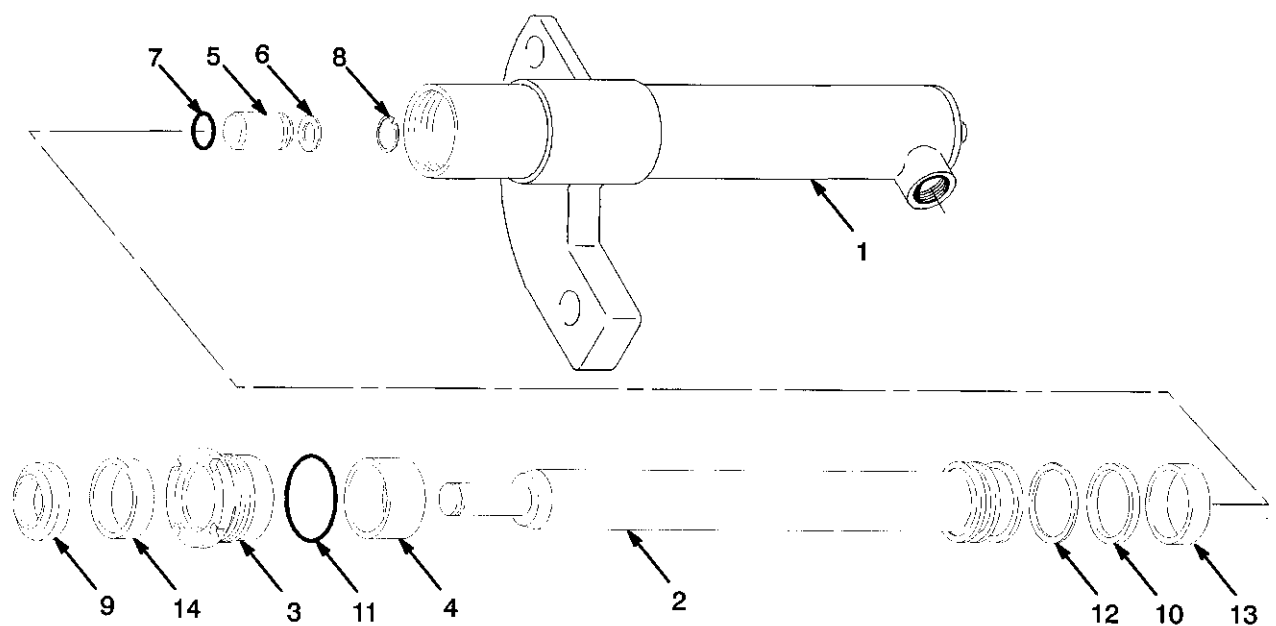
ITEM	PART NO.	DESCRIPTION	QTY
17	16982	O-Ring	1
18	337179	Spring	2
19	357749	Washer	2
20	189595	Fitting	2
20	16485	O-Ring (Face Seal)	1
21	1345403	Hose	1
22	16485	O-Ring (Face Seal)	1
22	16578	Fitting	1
23	296426	Washer (Hardened)	2
24	e 1354915	Washer	AR
24	e 1354916	Washer	AR
24	e 1354917	Washer	AR
25	60137	Nut	2
26	313828	Nut	2
27	16882	Fitting	1
28	1462551	Hose	1

FOOTNOTES:

- a** For Mast S/N B507
- b** For Mast S/N B562
- c** Optional
- d** Refer to Table
- e** Used with Part Number 1333382, between Cylinder Rod and Inner Mast as Required

[illegible]

LIFT CYLINDER (Figure 9-4) TWO STAGE LIMITED FREE-LIFT H45-55XM



HP171008

LIFT CYLINDER TWO STAGE LIMITED FREE-LIFT H45-55XM

LEFT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
	Cylinder Group Number	8600001	8600002	8600006	8600009
	Lift Cylinder	1341427	1341428	1341432	1341435
1	Shell	1355145	1355133	1355145	1355157
2	Rod	1355130	1355158	1355146	1355158

LEFT HAND (CONT.)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	Mast Group Number	B507 3792	B507 4292	B507 4792
	Cylinder Group Number	8600014	8600020	8600101
	Lift Cylinder	1341440	1341445	1341450
1	Shell	1355177	1355198	1355219
2	Rod	1355178	1355199	1355217

RIGHT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
	Cylinder Group Number	8600051	8600052	8600056	8600059
	Lift Cylinder	1341390	1341391	1341395	1341398
1	Shell	1355128	1355132	1355148	1355160
2	Rod	1355130	1355134	1355146	1355158

LIFT CYLINDER TWO STAGE LIMITED FREE-LIFT H45-55XM

RIGHT HAND (CONT.)

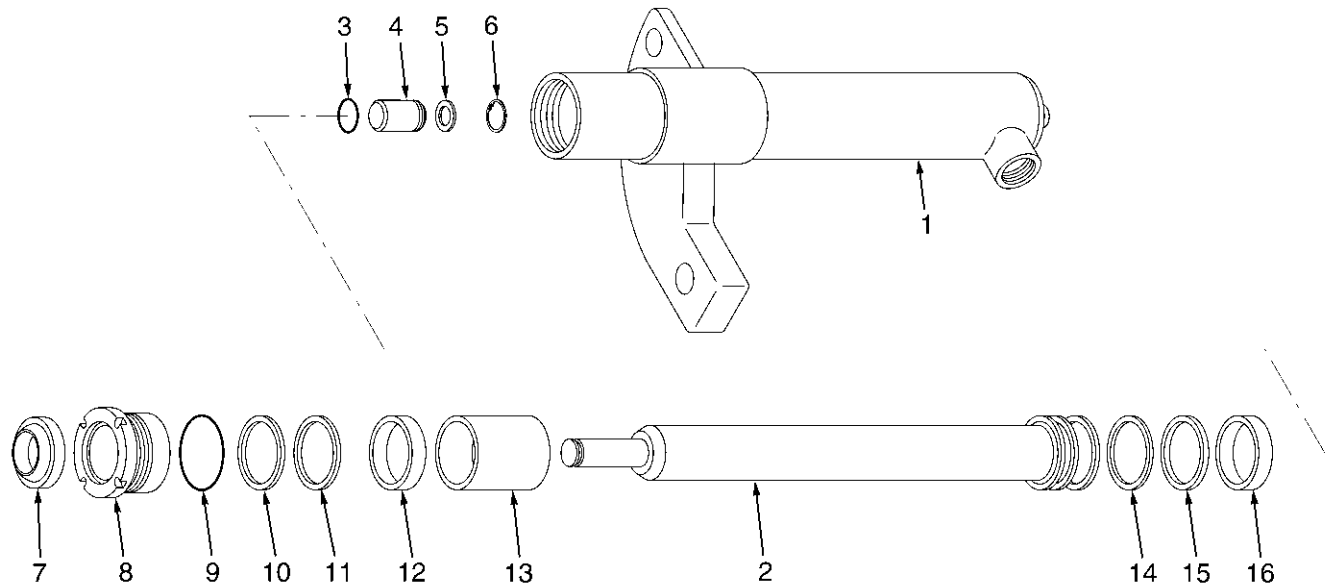
ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	1 2 3 4			
	Mast Group Number	B507 3792	B507 4292	B507 4792
	Cylinder Group Number	8600064	8600070	8600151
	Lift Cylinder	1341403	1341408	1341413
1	Shell	1355180	1355128	1355222
2	Rod	1355178	1355199	1355217

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	a	Shell	1
2	a	Rod.....	1
3	1355127	Gland.....	1
4	1355189	Spacer (8600070 and below)	1
4	1355221	Spacer (8600101and above).....	1
5	257913	Check Valve.....	1
6	297531	Washer	1
7	39348	O-Ring.....	1
8	187388	Snap Ring.....	1
9	1319668	Wiper Ring.....	1
10	2013075	Seal	1
11	92861	O-Ring.....	1
12	638246	Back-Up Ring	1
13	1356750	Wear Ring	1
14	1381095	Rod Seal.....	1
14	1356752	Rod Seal.....	1
	1355276	Seal Kit (8600070 and below) (Includes Items 7, 9-14).....	1
	1355277	Seal Kit (8600101and above) (Includes Items 7, 10-14)	1

FOOTNOTES:

a Refer to Table

LIFT CYLINDER (Figure 9-5) TWO STAGE LIMITED FREE-LIFT H60-65XM



BP170002

LEFT HAND

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	1 2 3 4						
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
	Cylinder Group Number	8510401	8510402	8510409	8510414	8600302	8600307
	Cylinder	2046279	2046185	2046174	2046179	1341519	1341524
1	Shell	1355278	1355288	1355366	1355390	1355413	1355433
2	Rod	1355281	1355289	1355367	1355391	1355414	1355434
13	Spacer	2046163	2046163	2046163	2046163	1355410	1355410

LIFT CYLINDER

TWO STAGE LIMITED FREE-LIFT

H60-65XM

RIGHT HAND

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	1 2 3 4						
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
	Cylinder Group Number	8510451	8510452	8510459	8510464	8600352	8600357
	Cylinder	2046186	2046187	2046193	2046198	1341482	1341487
1	Shell	1355287	1355291	1355369	1355393	1355416	1355436
2	Rod	1355281	1355289	1355367	1355391	1355416	1355434
13	Spacer	2046163	2046163	2046163	2046163	1355410	1355410

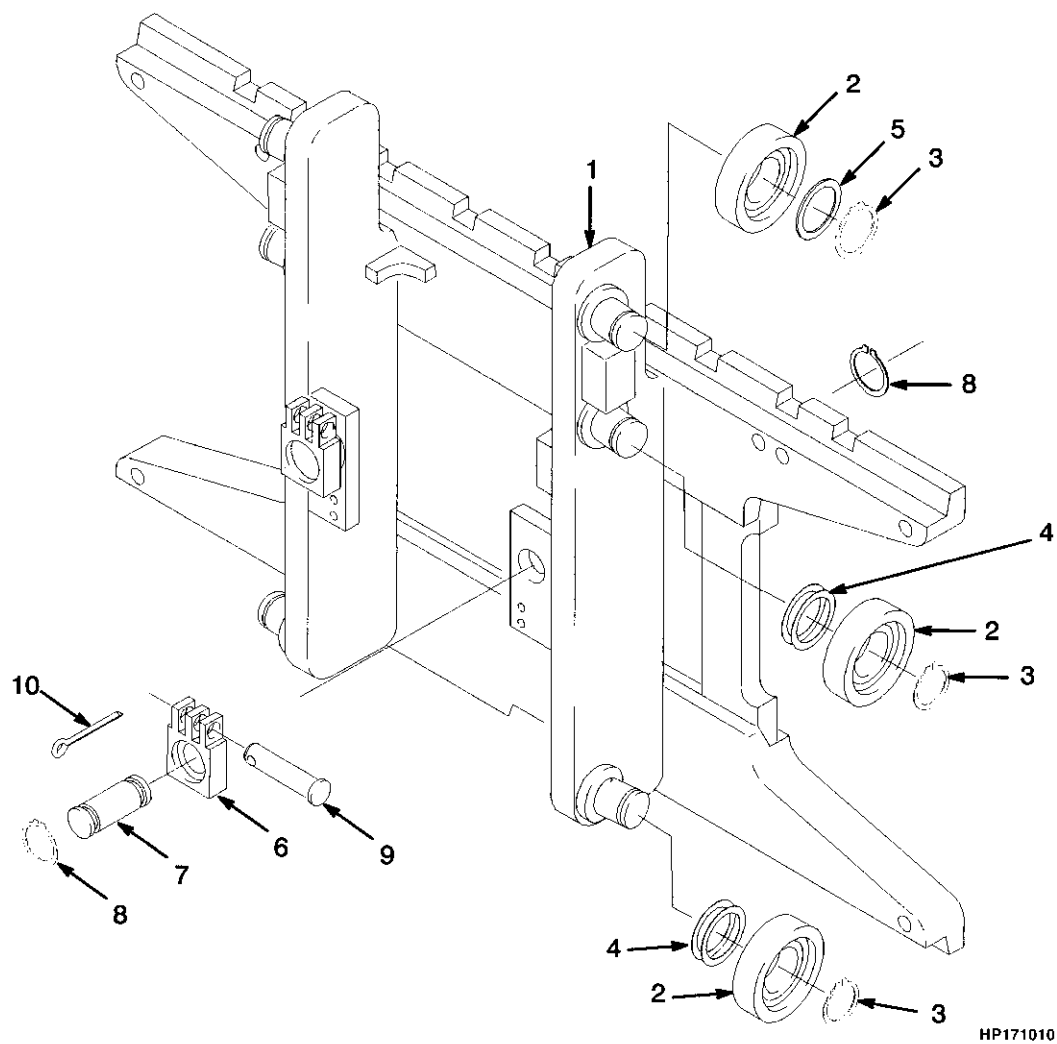
ITEM	PART NO.	DESCRIPTION	QTY
	a	Cylinder	1
1	a	Shell	1
2	a	Rod.....	1
3	39348	O-Ring	1
4	257913	Check Valve.....	1
5	297531	Washer	1
5	637635	Washer (Optional)	1
6	187388	Snap Ring.....	1
7	1319668	Wiper Ring (8510464 and below)	1
7	1310370	Rod Wiper Ring (8600302 and above)	1
8	1380879	Gland.....	1
9	59229	O-Ring	1
10	322824	Back-Up Ring	1
11	1381095	Rod Seal.....	1
12	322902	Wear Ring	1
13	a	Spacer	1
14	335012	Back-Up Ring	1
15	334156	Seal	1
16	1356751	Wear Ring	1
	1499111	Seal Kit (8510464 and below) (Includes Items 3, 7, 9-12, 14-16).....	1
	1355411	Seal Kit (8600302 and above) (Includes Items 3, 7, 9-11, 14-16)	1

FOOTNOTES:

a Refer to Table

[illegible]

CARRIAGE (Figure 9-6) TWO STAGE LIMITED FREE-LIFT SIX ROLLER

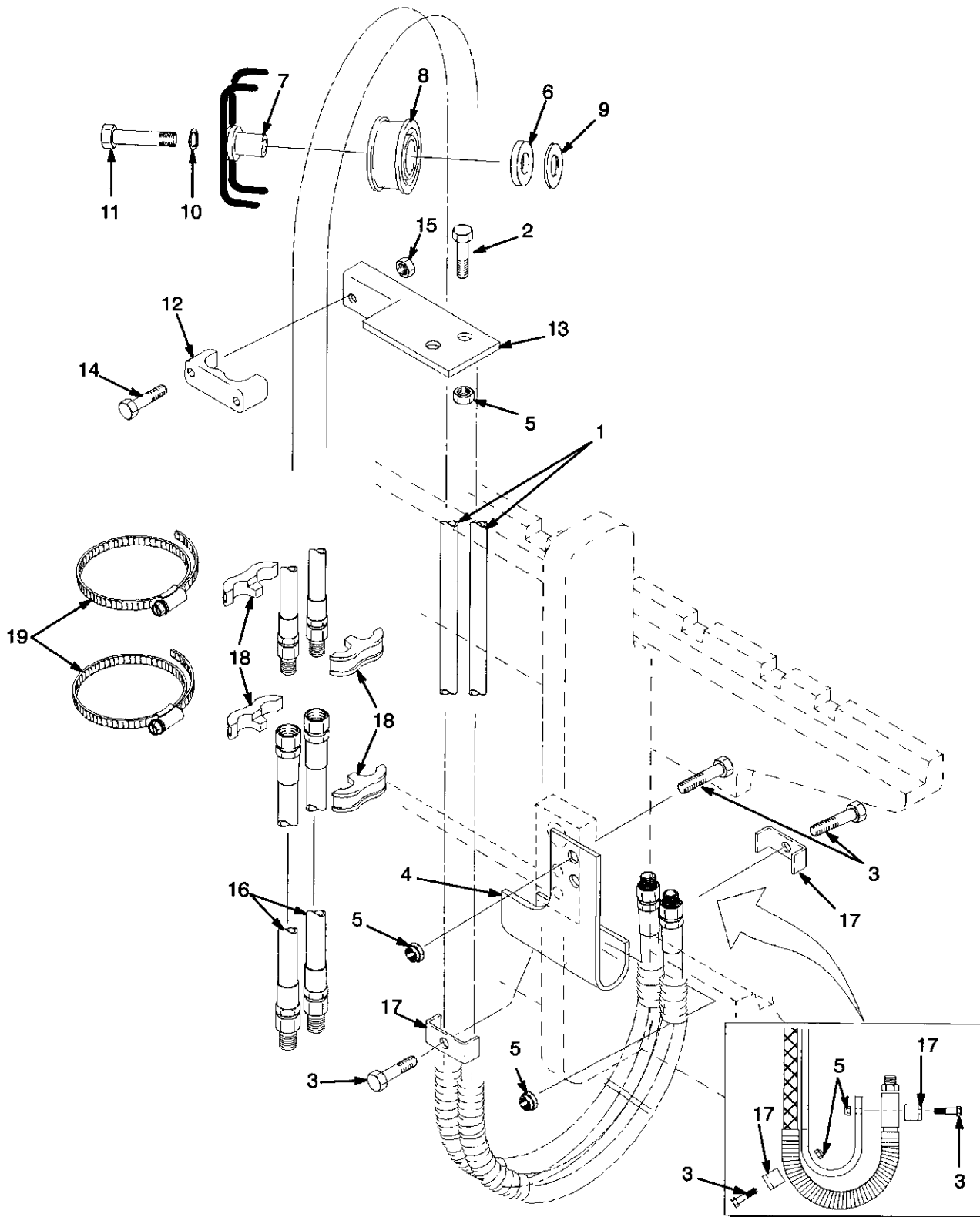


CARRIAGE TWO STAGE LIMITED FREE-LIFT SIX ROLLER

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1343846	Carriage Assembly (42 in.) (Group No. 8500013).....	1	..
	1343847	Carriage Assembly (42 in.) (Group No. 8500014).....	..	1
1	1338616	Carriage	1	..
1	1338618	Carriage	..	1
1	1345264	Stubshaft.....	6	6
2	1345219	Load Roller (Standard)	6	6
2	1345220	Load Roller (1,52 mm).....	6	6
3	12891	Snap Ring.....	6	6
4	1345263	Shim (0.020 in.)	AR	AR
5	366116	Spacer.....	2	2
6	1369344	Chain Anchor (Dual Hole)	..	2
6	1504009	Chain Anchor (Single Hole).....	..	2
6	1369345	Chain Anchor (Dual Hole)	2	..
6	1504011	Chain Anchor (Single Hole).....	..	2
7	1345352	Pin	2	2
8	131358	Snap Ring.....	4	4
9	1514866	Pin	2	2
10	15211	Cotter Pin	2	2

HEADER HOSE (Figure 9-7) TWO STAGE LIMITED FREE-LIFT



HP171014

**HEADER HOSE
TWO STAGE LIMITED FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2492 mm (98.1 in.)	2592 mm (102.0 in.)	2992 mm (117.8 in.)	3292 mm (129.6 in.)
	Mast Group Number	B507 2492	B507 2592	B507 2992	B507 3292
1	Hose	b 1345492 c 1345500	b 1345493 c 1369602	1368313	1369606
20	Hose	----	----	1398493	1368314

H45-55XM (CONT.)

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		3792 mm (149.3 in.)	4292 mm (169.0 in.)	4792 mm (188.7 in.)
	Mast Group Number	B507 3792	B507 4292	B507 4792
1	Hose	1369611	1345516	1369617
20	Hose	1398512	1398645	1398541

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		2359 mm (92.9 in.)	2459 mm (96.8 in.)	3159 mm (124.4 in.)	3659 mm (144.1 in.)	4159 mm (163.7 in.)	4659 mm (183.4 in.)
	Mast Group Number	B562 2359	B562 2459	B562 3159	B562 3659	B562 4159	B562 4659
1	Hose	d 1345492 e 1345500	d 1345493 e 1369602	1369606	1369611	1345516	1369617
20	Hose	e 1398479	e 1366435	1368314	1398512	1398645	1398541

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Hose	2	2
2	136704	Capscrew.....	2	4
3	292508	Capscrew.....	4	8
4	1345412	Bracket (RH)	1	1
4	1345413	Bracket (LH).....	..	1
5	313828	Nut	6	12
6	1360549	Spacer	1	2
7	1360548	Stubshaft	1	2
8	1494017	Sheave.....	1	2
9	1345190	Washer	1	2
10	292683	Lockwasher.....	1	2

HEADER HOSE TWO STAGE LIMITED FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
11	292533	Capscrew.....	1	2
11	292533	Capscrew.....	1	2
12	1360386	Clamp	1	2
13	1354919	Bracket (RH)	1	1
13	1354921	Bracket (LH).....	..	1
14	292502	Capscrew.....	2	4
15	313805	Nut	2	4
16	1354904	Hose (LH)	..	2
16	1354922	Hose (RH).....	2	2
17	1345348	Clamp	2	4
18	1353530	Clamp (Mast 3659 and above)	2	7
19	1360507	Clamp (Mast 3659 and above)	3	7
20	a	Hose	..	2

FOOTNOTES:

- a** Refer to Table
- b** ⇒ S/N B507V-3171
- c** S/N B507V-3172 ⇒
- d** ⇒ S/N B562V-2417
- e** S/N B562V-2418 ⇒

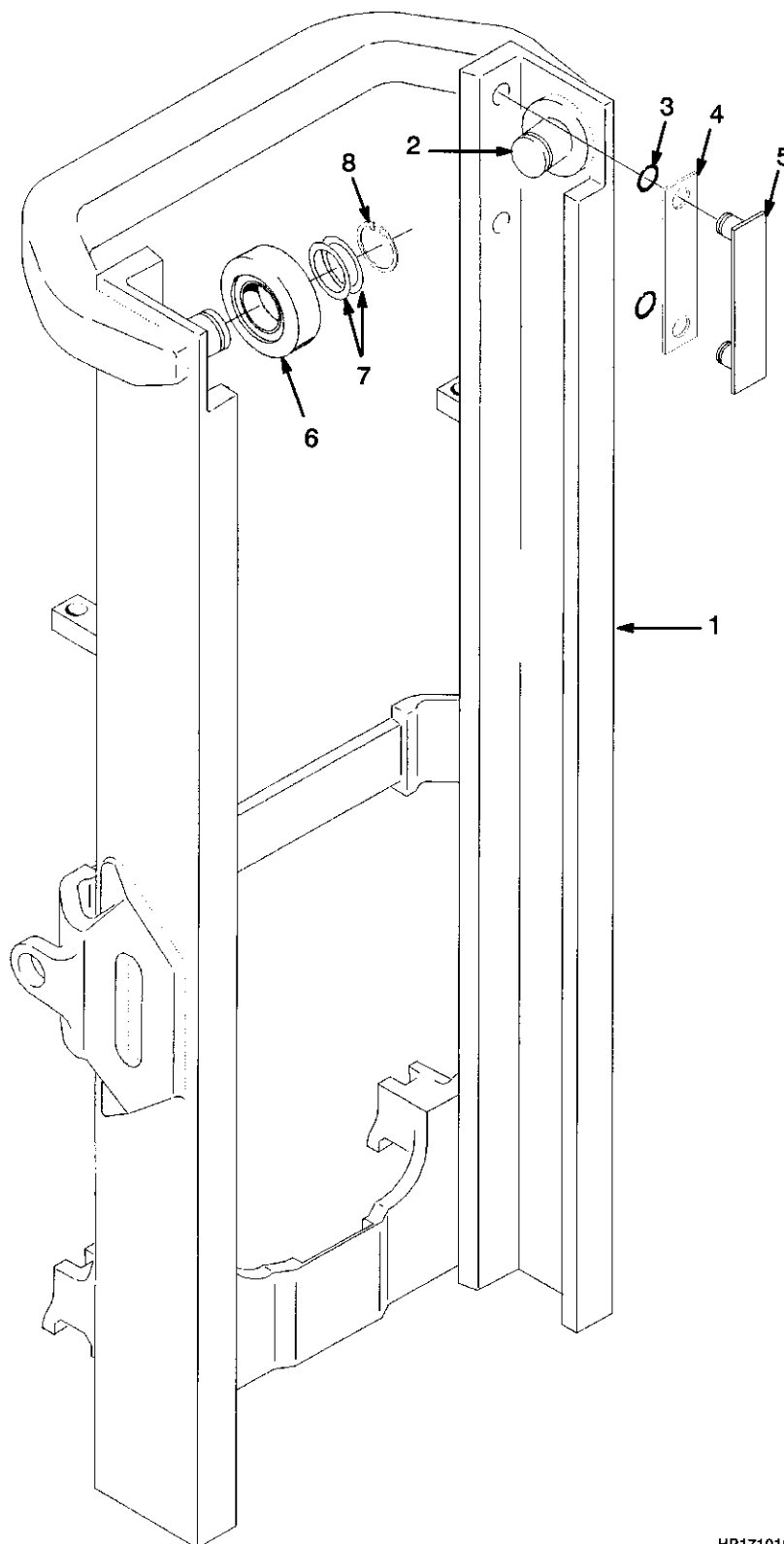
10

MAST-TWO STAGE FULL FREE-LIFT

SECTION 10

MAST-TWO STAGE FULL FREE-LIFT

DESCRIPTION	PAGE
CARRIAGE	
TWO STAGE FULL FREE-LIFT	
SIX ROLLER	10-32
FREE-LIFT	
TWO STAGE FULL FREE-LIFT	10-8
FREE-LIFT CYLINDER	
TWO STAGE FULL FREE-LIFT	
S/N PENDING PER ECN 73703-01⇒	10-28
⇒S/N PENDING PER ECN 73703-01	10-24
HEADER HOSE	
TWO STAGE FULL FREE-LIFT	10-34
INNER MAST	
TWO STAGE FULL FREE-LIFT	10-4
MAIN CYLINDER (H45-55XM)	
TWO STAGE FULL FREE-LIFT	
LEFT HAND	
⇒S/N B509V-4962	10-11
S/N B509V-4963⇒	10-13
RIGHT HAND	
⇒S/N B509V-4962	10-15
S/N B509V-4963⇒	10-16
MAIN CYLINDER (H60-65XM)	
TWO STAGE FULL FREE-LIFT	
LEFT HAND	
⇒S/N B564V-3940	10-17
S/N B564V-3941⇒	10-19
RIGHT HAND	
⇒S/N B564V-3940	10-21
S/N B564V-3941⇒	10-22
MAIN LIFT	
TWO STAGE FULL FREE-LIFT	10-6
OUTER MAST	
TWO STAGE FULL FREE-LIFT	10-2

OUTER MAST (Figure 10-1)
TWO STAGE FULL FREE-LIFT

HP171016

**OUTER MAST
TWO STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
1	Outer Mast	1341000	1341001	1341005	1341008

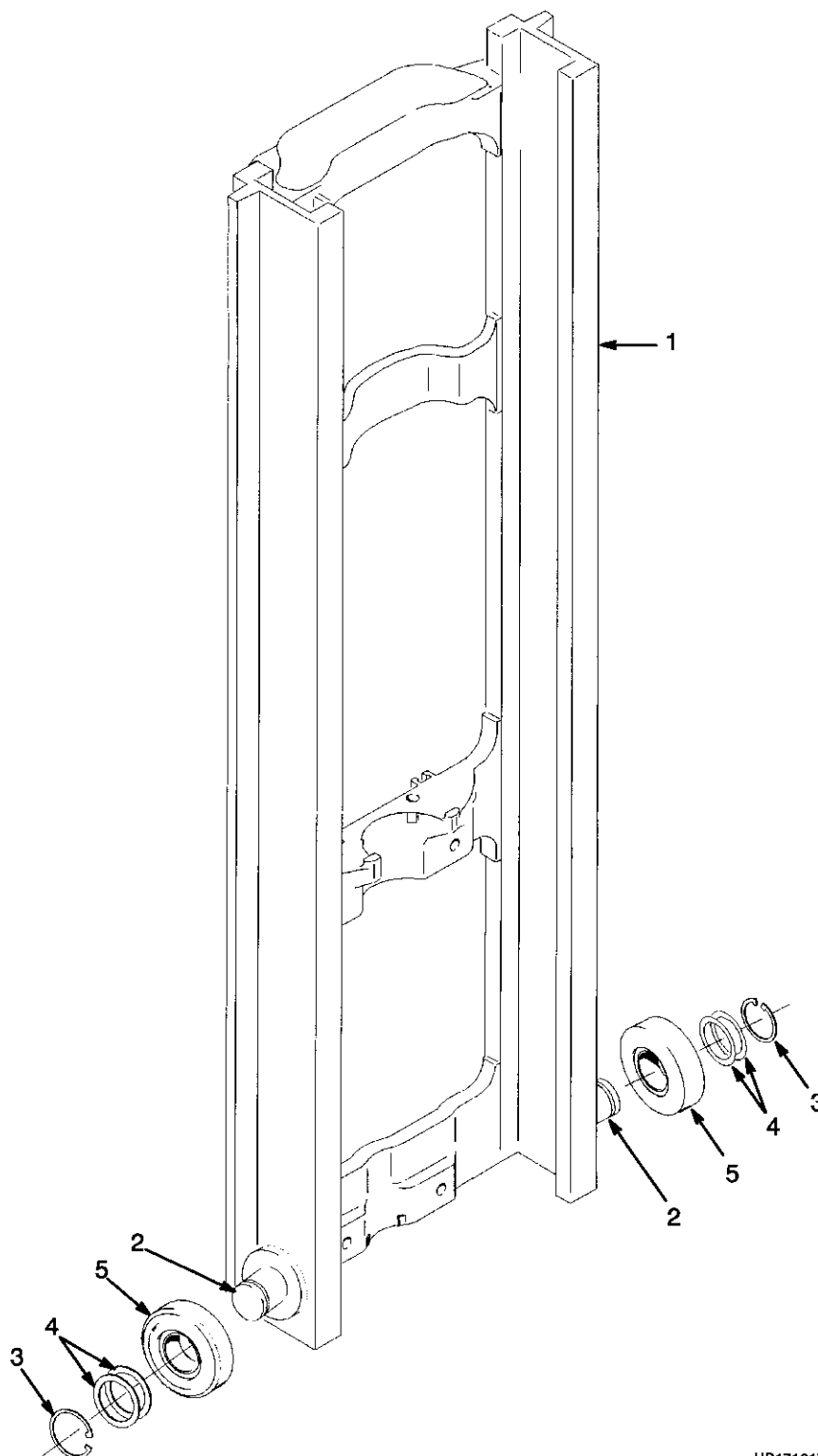
H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
1	Outer Mast	1341000	1341001	1341008

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Outer Mast.....	1
2	1345216	Stubshaft	2
3	104506	O-Ring	4
4	131716	Shim (0.020 in.)	4
4	131715	Shim (0.007 in.) (Optional)	2
5	215211	Bearing Strip.....	2
6	1333396	Load Roller (Standard)	2
6	1333397	Load Roller (1,52 mm)	2
7	129387	Shim (0.020 in.)	AR
8	58901	Snap Ring.....	2

FOOTNOTES:**a** Refer to Table

INNER MAST (Figure 10-2) TWO STAGE FULL FREE-LIFT



HP171017

**INNER MAST
TWO STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
1	Inner Mast	1342469	1342470	1342474	1342477

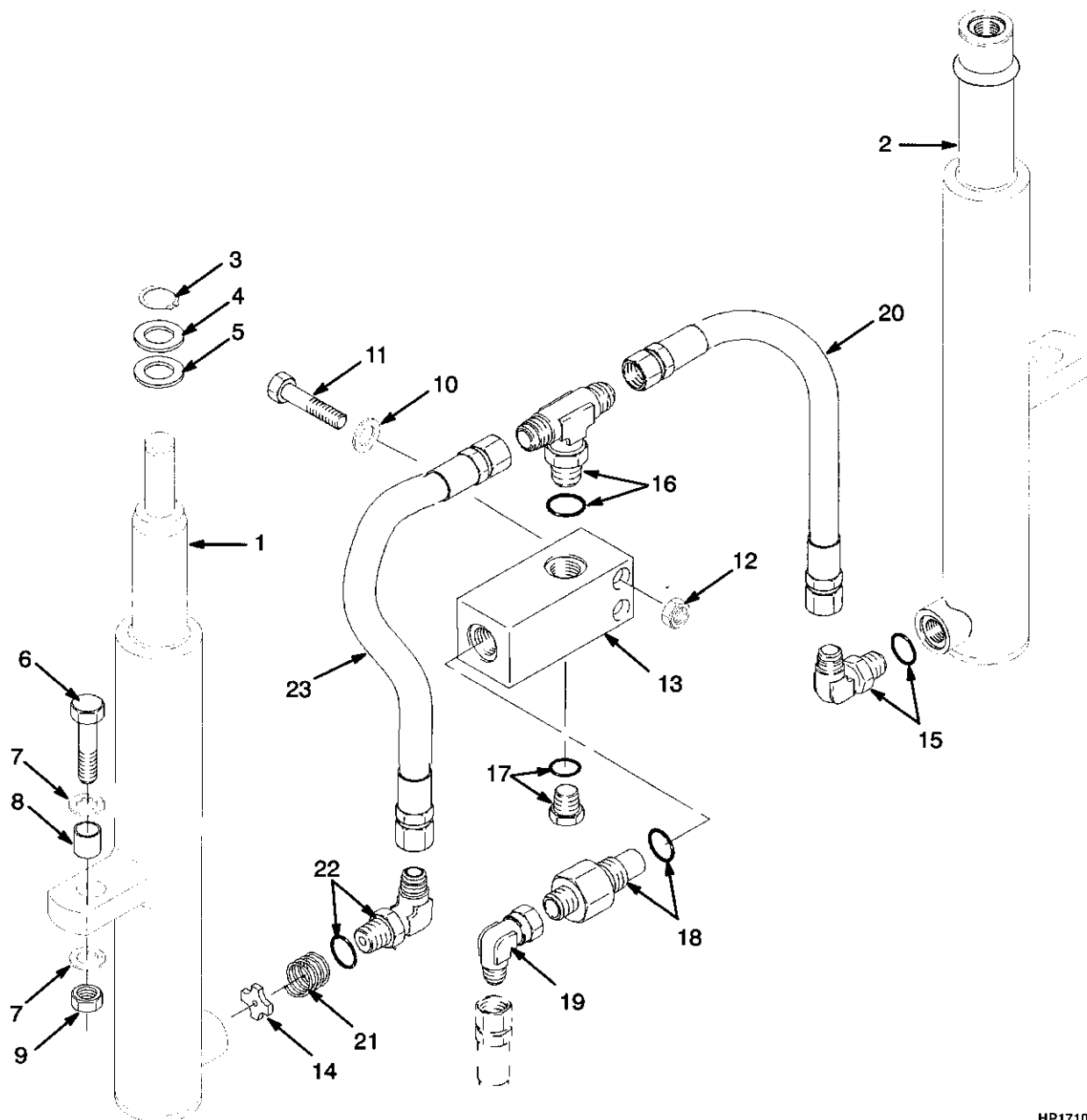
H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
1	Inner Mast	1342469	1342470	1342477

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Inner Mast.....	1
2	1345216	Stubshaft	2
3	58901	Snap Ring.....	2
4	129387	Shim (0.020 in.)	AR
5	1333396	Load Roller (Standard)	2
5	1333397	Load Roller (1,52 mm).....	2
5	1395168	Load Roller ("A" Standard)	2

FOOTNOTES:**a** Refer to Table

MAIN LIFT (Figure 10-3) TWO STAGE FULL FREE-LIFT

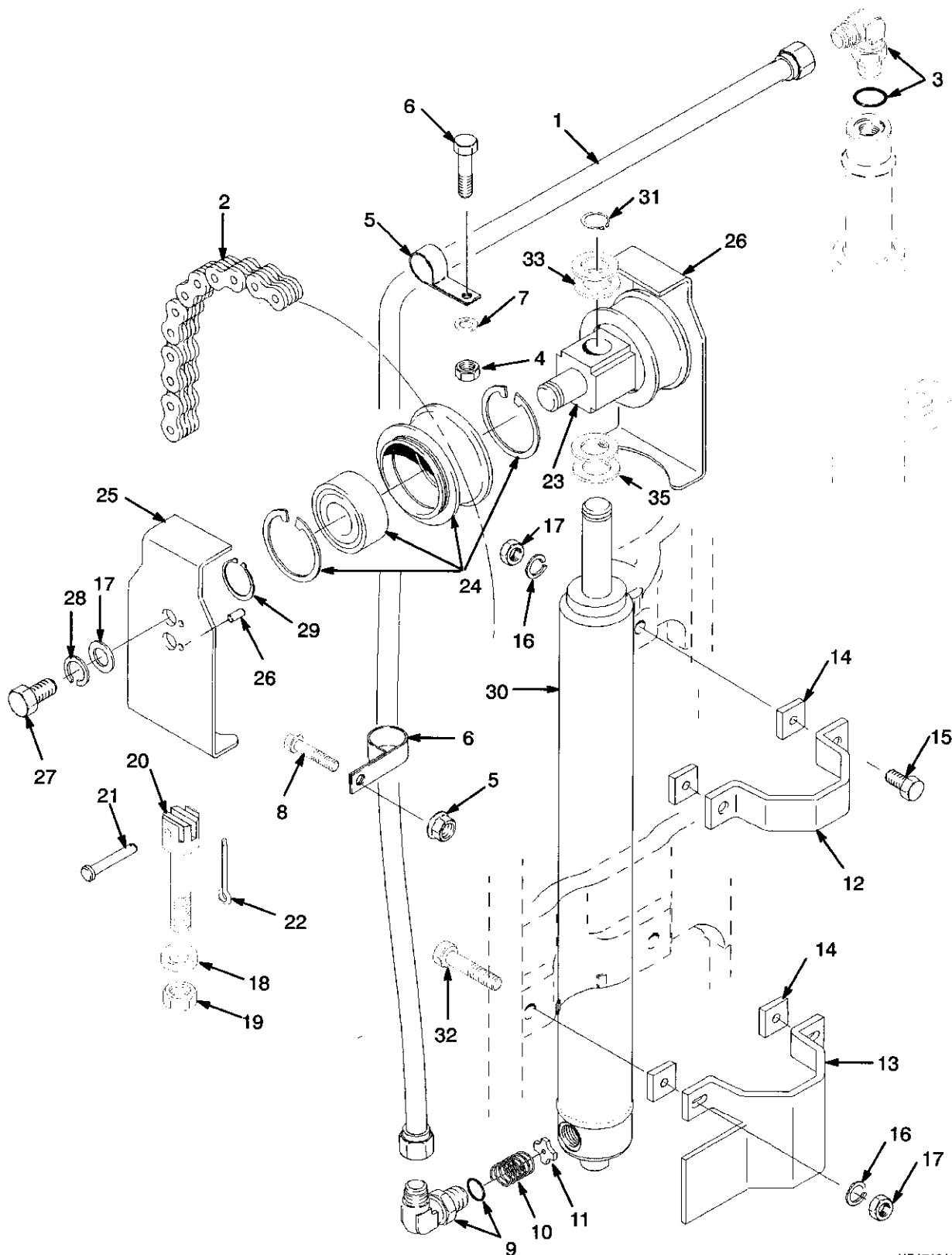


HP171018

**MAIN LIFT
TWO STAGE FULL FREE-LIFT****KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1		Cylinder (RH) (☞ Figure 10-9)	1	1
2		Cylinder (LH) (☞ Figure 10-5)	1	1
3	131358	Snap Ring	1	1
4	1333382	Washer	1	1
5	1354915	Washer	AR	AR
5	1354916	Washer	AR	AR
5	1354917	Washer	AR	AR
6	292532	Capscrew	2	2
7	296422	Washer	4	4
8	323090	Spacer	2	2
9	300937	Nut	2	2
10	320157	Washer	2	2
11	214364	Capscrew	2	2
11	292509	Capscrew (Used with optional item 13)	2	2
12	313828	Nut	2	2
13	1333392	Housing	1	1
13	1379687	Housing (Optional)	1	1
14	357749	Washer	1	1
15	16560	Fitting	1	1
15	16485	O-Ring (Face Seal)	1	1
16	16578	Fitting	1	1
16	16485	O-Ring (Face Seal)	1	1
17	14603	Fitting (Used with optional item 13)	1	1
17	16486	O-Ring (Face Seal)	1	1
18	2309766	Control Valve (Lowering)	1	..
18	316306	Control Valve (Lowering)	..	1
18	16982	O-Ring	1	1
19	16882	Fitting	1	1
20	1345403	Hose	1	1
21	337179	Spring	1	1
22	189595	Fitting	1	1
22	16485	O-Ring (Face Seal)	1	1
23	1462551	Hose	1	1

FREE-LIFT (Figure 10-4) TWO STAGE FULL FREE-LIFT



HP171019

**FREE-LIFT
TWO STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
1	Tube	1345306	1345307	1345311	1345314
2	Chain	182333	180030	197345	180177

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
1	Tube	1345306	1345307	1345314
2	Chain	1342390	1342370	1342377

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Tube	1	1
2	a	Chain	2	2
3	1380036	Fitting.....	1	1
3	16485	O-Ring (Face Seal).....	1	1
4	316826	Nut	2	2
5	178119	Clamp	2	2
6	296028	Capscrew.....	1	1
7	320159	Washer	1	1
8	136985	Capscrew.....	1	1
9	1354956	Fitting.....	1	1
9	16485	O-Ring (Face Seal).....	1	1
10	154355	Spring	1	1
11	356505	Washer	1	1
12	1360387	Clamp	1	1
13	1354967	Bracket.....	1	1
14	1354902	Spacer	..	4
15	292529	Capscrew.....	2	2
16	320161	Washer	6	6
17	300937	Nut	4	4
18	296426	Washer (Hardened)	2	2
19	60137	Nut	2	2
20	1369357	Chain Anchor	2	2
21	1514866	Pin	2	2

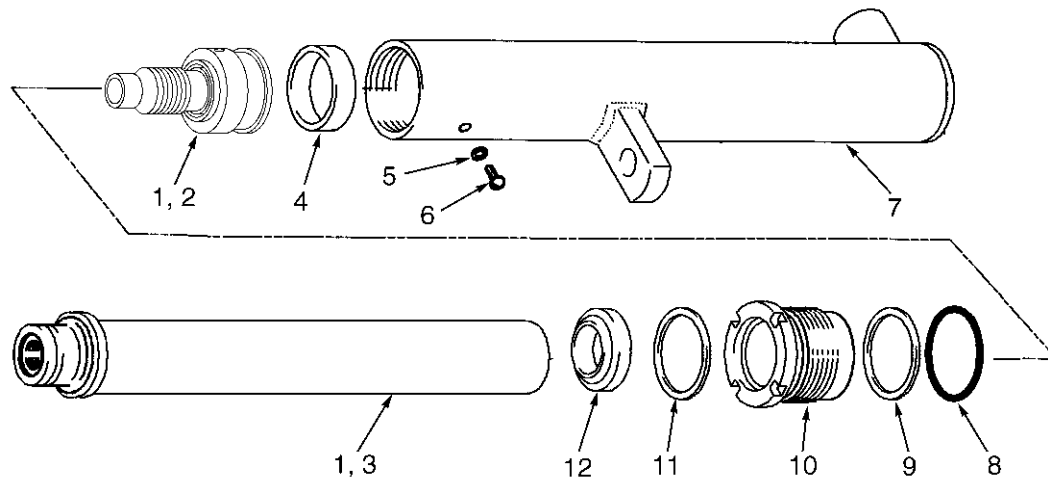
FREE-LIFT TWO STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
22	15211	Cotter Pin.....	2	2
23	1378690	Crosshead	1	1
24	1379682	Chain Sheave Assembly.....	2	2
24	1378692	Sheave	1	1
24	37752	Snap Ring.....	1	1
24	1378699	Bearing.....	1	1
25	1395285	Chain Guard	2	2
26	302461	Pin	2	2
27	132860	Capscrew.....	2	2
28	292683	Lockwasher.....	2	2
29	304526	Snap Ring.....	3	3
30		Free-Lift Cylinder (See Figure 10-13)	1	1
31	131358	Snap Ring.....	1	1
32	287837	Capscrew.....	2	2
33	bc 1362433	Spacer	4	4

FOOTNOTES:

- a** Refer to Table
b ⇒ S/N B509V-3232
c ⇒ S/N B564V-2526

MAIN CYLINDER (H45-55XM) (Figure 10-5)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(⇒S/N B509V-4962)



BP170064

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	1 2 3 4				
	Mast	B509	B509	B509	B509
	Group Number	2462	2562	2962	3262
	Cylinder	8600701	8600702	8600706	8600709
	Group Number				
	Lift Cylinder	1342217	1342218	1342222	1342225
1	Rod	1355875	1355887	1355911	1355929
3	Cylinder	1355876	1355888	1355912	1355930
7	Shell	1355874	1355886	1355910	1355928

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	a	Rod.....	1
2		Piston.....	1
3	a	Cylinder.....	1
4	1356747	Wear Ring	1
5	190887	Seal	1
6	295649	Screw	1
7	a	Shell	1
8	59229	O-Ring.....	1
9	147972	Back-Up Ring	1
10	1355284	Gland.....	1
11	1381095	Rod Seal.....	1

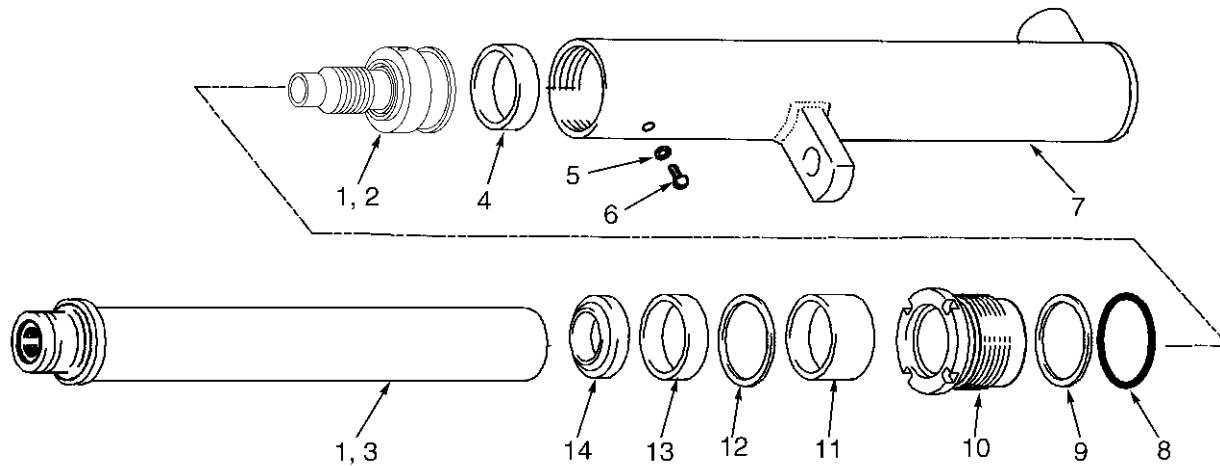
**MAIN CYLINDER (H45-55XM)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(⇒S/N B509V-4962)**

ITEM	PART NO.	DESCRIPTION	QTY
12	1319668	Wiper Ring.....	1
	1358963	Seal Kit (Includes Items 4-5, 8-9, 11-12)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H45-55XM) (Figure 10-6)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(S/N B509V-4963⇒)



BP170065

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	1 2 3 4				
	Mast	B509	B509	B509	B509
	Group Number	2462	2562	2962	3262
	Cylinder	8509501	8509502	8509506	8509509
	Group Number				
	Main Lift Cylinder	2045773	2045701	2045776	2045705
1	Rod	1355875	1355887	1355911	1355929
3	Cylinder	1355876	1355888	1355912	1355930
7	Shell	1355874	1355886	1355910	1355928

ITEM	PART NO.	DESCRIPTION	QTY
	a	Main Lift Cylinder	1
1	a	Rod	1
2		Piston	1
3	a	Cylinder	1
4	1356747	Wear Ring	1
5	190887	Seal	1
6	295649	Screw	1
7	a	Shell	1
8	59229	O-Ring	1
9	147972	Back-Up Ring	1
10	1380879	Gland	1
11	322902	Wear Ring	1
12	1381095	Rod Seal	1
13	322824	Back-Up Ring	1

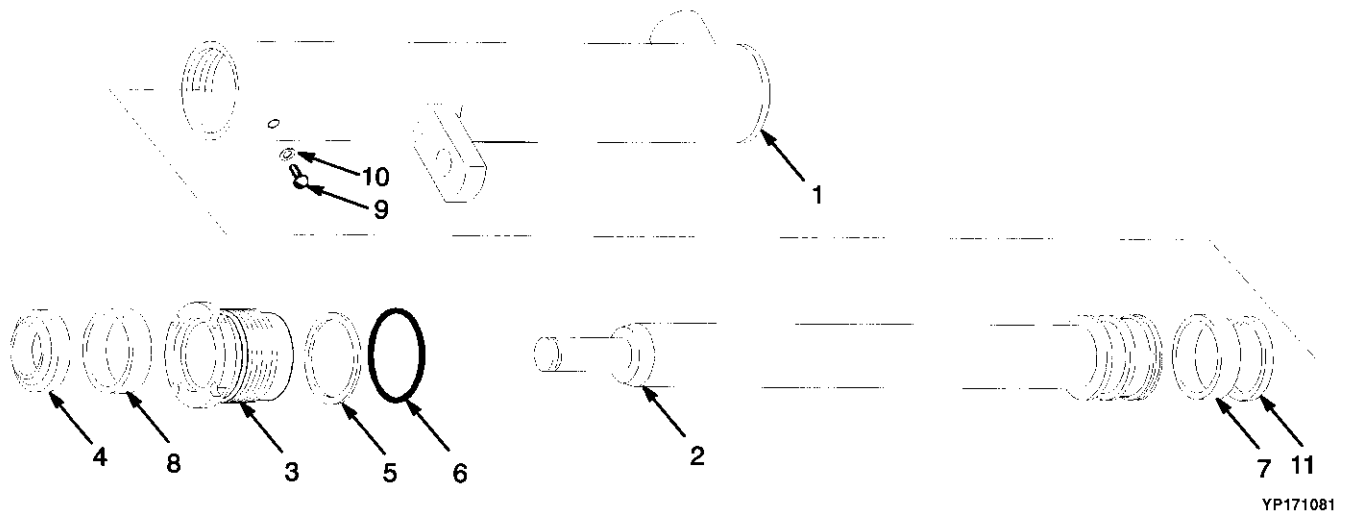
**MAIN CYLINDER (H45-55XM)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(S/N B509V-4963⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
14	1319668	Wiper Ring.....	1
	1496922	Seal Kit (Includes Items 4-5, 8-9, 11-14)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H45-55XM) (Figure 10-7) **TWO STAGE FULL FREE-LIFT** **RIGHT HAND** **(⇒S/N B509V-4962)**



ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
	Cylinder Group Number	8600801	8600802	8600806	8600809
	Lift Cylinder	1356754	1356755	1356759	1356762
1	Shell	1356778	1356779	1356783	1356786
2	Rod	1358932	1358933	1358937	1358940

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	a	Shell	1
2	a	Rod.....	1
3	1355284	Gland.....	1
4	1319668	Wiper Ring.....	1
5	147972	Back-Up Ring	1
6	59229	O-Ring.....	1
7	1356747	Wear Ring	1
8	1381095	Rod Seal.....	1
9	295649	Screw	1
10	190887	Seal	1
11	1356748	Piston Ring.....	1
	1360142	Seal Kit (Includes Items 4-8, 10-11)	1

FOOTNOTES:

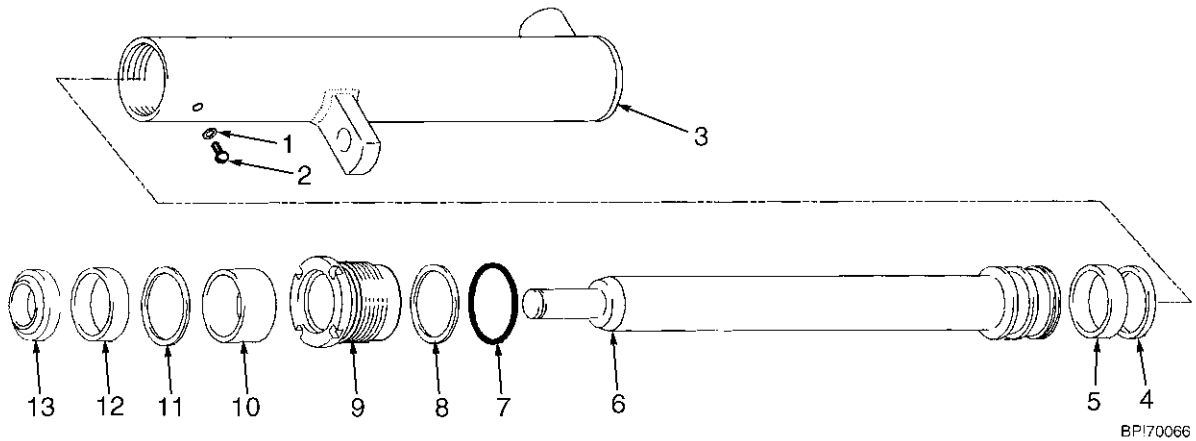
a Refer to Table

MAIN CYLINDER (H45-55XM) (Figure 10-8)

TWO STAGE FULL FREE-LIFT

RIGHT HAND

(S/N B509V-4963⇒)



BP170066

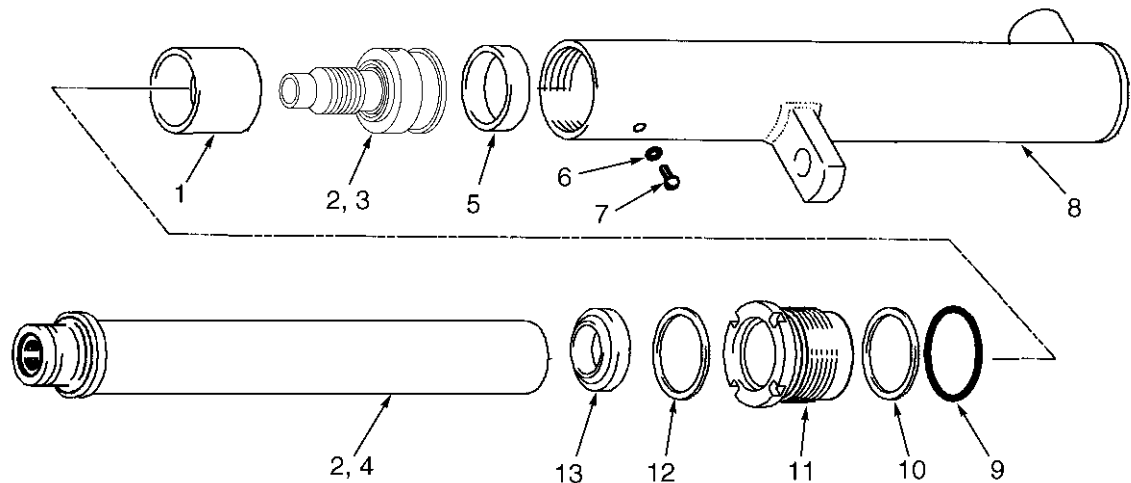
ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
	Cylinder Group Number	8509601	8509602	8509606	8509609
	Lift Cylinder	2045865	2045866	2045869	2045795
3	Shell	1356778	1356779	1356783	1356786
6	Rod	1358932	1358933	1358937	1358940

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	190887	Seal	1
2	295649	Screw	1
3	a	Shell	1
4	1356748	Piston Ring.....	1
5	1356747	Wear Ring	1
6	a	Rod.....	1
7	59229	O-Ring	1
8	147972	Back-Up Ring	1
9	1380879	Gland.....	1
10	322902	Wear Ring	1
11	322824	Back-Up Ring	1
12	1381095	Rod Seal.....	1
13	1319668	Wiper Ring.....	1
	1496922	Seal Kit (Includes Items 1, 4-5, 7-8, 12-14)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H60-65XM) (Figure 10-9)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(⇒S/N B564V-3940)



BP170061

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	1 2 3 4			
	Mast	B564	B564	B564
	Group Number	2360	2460	3160
	Cylinder	8600901	8600902	8600909
	Group Number			
	Lift Cylinder	1342275	1342276	1342283
2	Rod	1355875	1355887	----
4	Cylinder	1355876	1355888	1355930
8	Shell	1355874	1355886	1355928

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	1356058	Spacer.....	1
2	a	Rod.....	1
2	a 1355929	Rod.....	1
3		Piston.....	1
4	a	Cylinder.....	1
5	1356747	Wear Ring	1
6	190887	Seal	1
7	295649	Screw	1
8	a	Shell	1
9	59229	O-Ring.....	1
10	147972	Back-Up Ring	1
11	1355284	Gland.....	1
12	1381095	Rod Seal.....	1

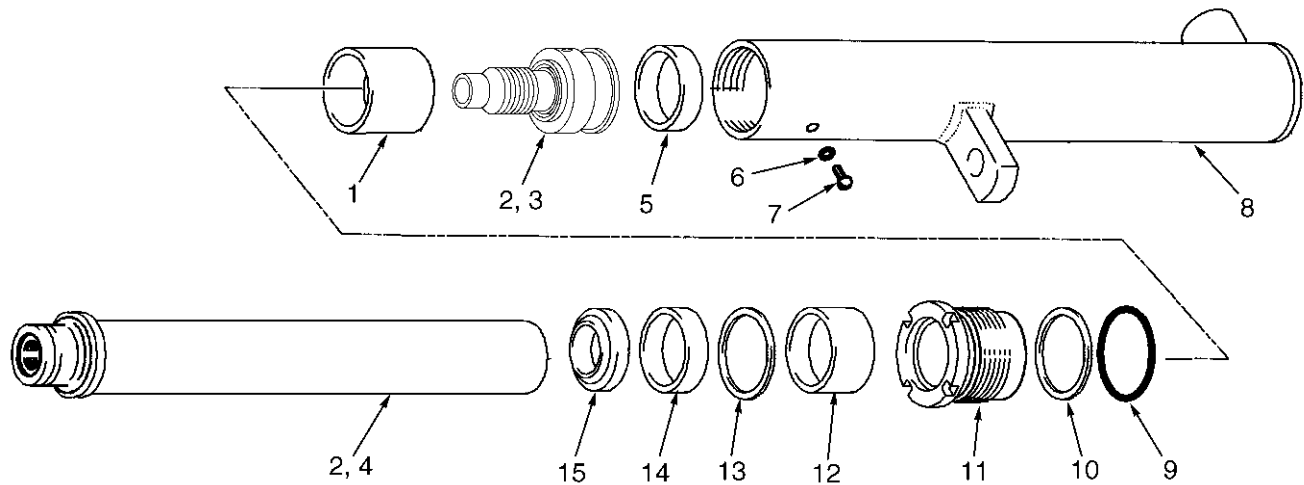
**MAIN CYLINDER (H60-65XM)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(⇒S/N B564V-3940)**

ITEM	PART NO.	DESCRIPTION	QTY
13	1319668	Wiper Ring.....	1
	1358963	Seal Kit (Includes Items 5-6, 9-10, 12-13)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H60-65XM) (Figure 10-10)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(S/N B564V-3941⇒)



BP170062

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	1 2 3 4			
	Mast	B564	B564	B564
	Group Number	2360	2460	3160
	Cylinder	8509551	8509552	8509559
	Group Number			
	Lift Cylinder	2045743	2045779	2045750
2	Rod	1355875	1355887	1355929
4	Cylinder	1355876	1355888	1355930
8	Shell	1355874	1355886	1355928

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	2046715	Spacer.....	1
2	a	Rod.....	1
3		Piston.....	1
4	a	Cylinder.....	1
5	1356747	Wear Ring	1
6	190887	Seal	1
7	295649	Screw	1
8	a	Shell	1
9	59229	O-Ring.....	1
10	147972	Back-Up Ring	1
11	1380879	Gland.....	1
12	322902	Wear Ring	1
13	1381095	Rod Seal.....	1
14	322824	Back-Up Ring	1

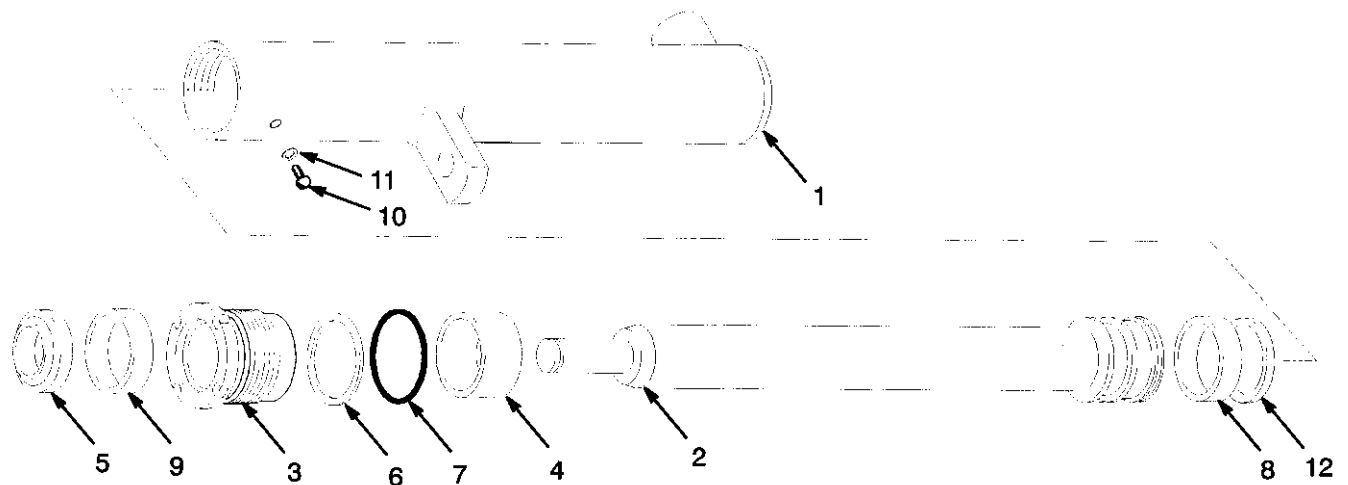
**MAIN CYLINDER (H60-65XM)
TWO STAGE FULL FREE-LIFT
LEFT HAND
(S/N B564V-3941⇒)**

ITEM	PART NO.	DESCRIPTION	QTY
15	1319668	Wiper Ring.....	1
	1496922	Seal Kit (Includes Items 5-6, 9-10, 12-15)	1

FOOTNOTES:

a Refer to Table

MAIN CYLINDER (H60-65XM) (Figure 10-11) **TWO STAGE FULL FREE-LIFT** **RIGHT HAND** **(⇒S/N B564V-3940)**



YP171083

ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	1 2 3 4			
	Mast Group Number	B564 2360	B564 2460	B564 3160
	Cylinder Group Number	8601001	8601002	8601009
	Lift Cylinder	1343893	1342247	1361276
1	Shell	1356778	1356779	1356786
2	Rod	1358932	1358933	1358940

ITEM	PART NO.	DESCRIPTION	QTY
	a	Lift Cylinder.....	1
1	a	Shell	1
2	a	Rod.....	1
3	1355284	Gland.....	1
4	1356058	Spacer.....	1
5	1319668	Wiper Ring.....	1
6	147972	Back-Up Ring	1
7	59229	O-Ring.....	1
8	1356747	Wear Ring	1
9	1381095	Rod Seal.....	1
10	295649	Screw	1
11	190887	Seal	1
12	1356748	Piston Ring.....	1
	1360142	Seal Kit (Includes Items 5-9, 11-12)	1

FOOTNOTES:

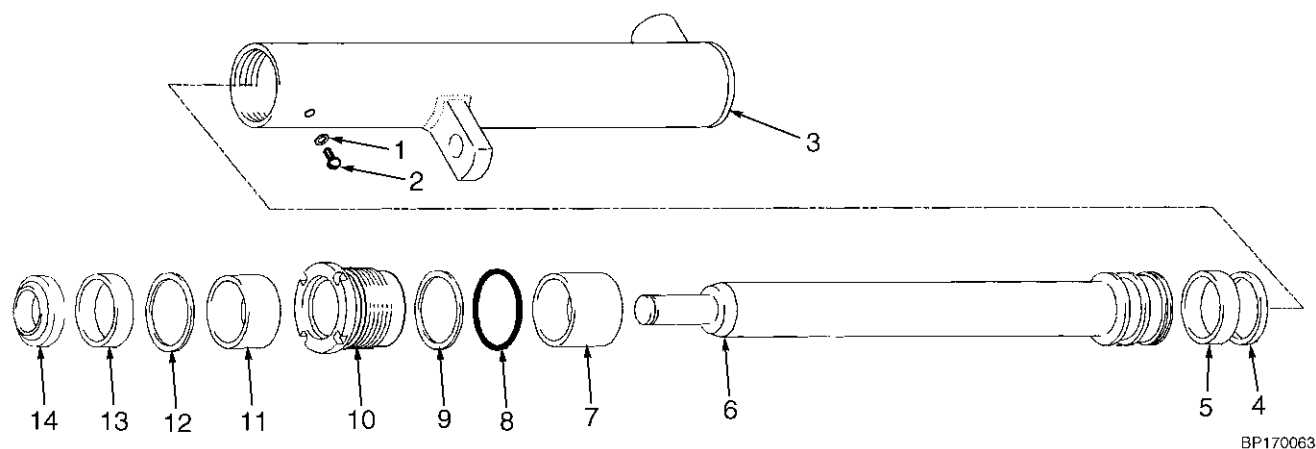
a Refer to Table

MAIN CYLINDER (H60-65XM) (Figure 10-12)

TWO STAGE FULL FREE-LIFT

RIGHT HAND

(S/N B564V-3941⇒)



ITEM	DESCRIPTION	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	1 2 3 4			
	Mast Group Number	B564 2360	B564 2460	B564 3160
	Cylinder Group Number	8509651	8509652	8509659
	Cylinder	2045836	2045837	2045844
3	Shell	1356778	1356779	1356786
6	Rod	1358932	1358933	1358940

ITEM	PART NO.	DESCRIPTION	QTY
	a	Cylinder	1
1	190887	Seal	1
2	295649	Screw	1
3	a	Shell	1
4	1356748	Piston Ring	1
5	1356747	Wear Ring	1
6	a	Rod	1
7	2046715	Spacer	1
8	59229	O-Ring	1
9	147972	Back-Up Ring	1
10	1380879	Gland	1
11	322902	Wear Ring	1
12	322824	Back-Up Ring	1
13	1381095	Rod Seal	1
14	1319668	Wiper Ring	1
	1496922	Seal Kit (Includes Items 1, 5, 8-9, 11-14)	1

FOOTNOTES:

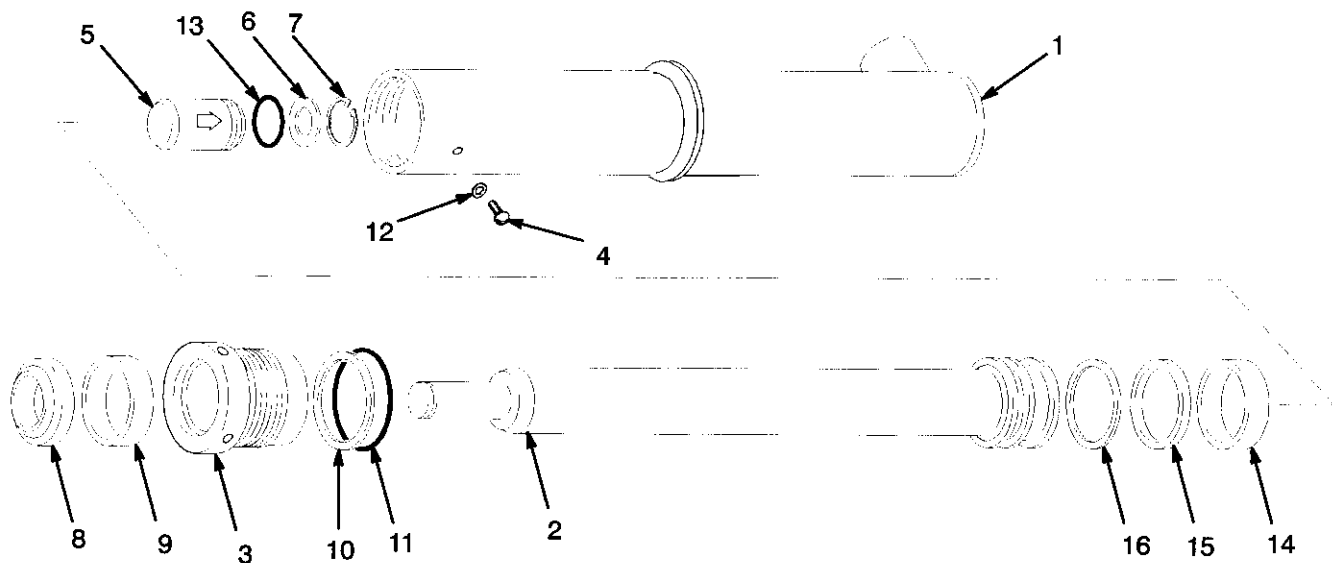
a Refer to Table

[illegible]

FREE-LIFT CYLINDER (Figure 10-13)

TWO STAGE FULL FREE-LIFT

(⇒S/N PENDING PER ECN 73703-01)



HP171022

FREE-LIFT CYLINDER TWO STAGE FULL FREE-LIFT (⇒S/N PENDING PER ECN 73703-01)

H45-55XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
	Cylinder Group Number	8602401	8602402	8602406	8602409
	Free-Lift Cylinder	1370749	1366729	1366733	1366736
1	Shell	2307457	2308980	2303871	2311434
2	Rod	1356295	1356298	1356295	1356569

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
	Cylinder Group Number	8602501	8602502	8602509
	Free-Lift Cylinder	1369543	1369544	1371601
1	Shell	2309136	2307201	2304575
2	Rod	1356658	1356667	1356688

KEY:

A: H45-55XM

B: H60-65XM

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Free-Lift Cylinder	1	1
1	a	Shell	1	1
2	a	Rod.....	1	1
3	1356292	Gland.....	1	..
3	1356661	Gland.....	..	1
4	1361302	Screw	1	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	2013099	Wiper.....	1	1
9	1358970	Seal	1	1
10	147973	Back-Up Ring	1	..
10	164840	Back-Up Ring	..	1
11	15880	O-Ring	..	1
11	90263	O-Ring.....	1	..

FREE-LIFT CYLINDER
TWO STAGE FULL FREE-LIFT
(⇒S/N PENDING PER ECN 73703-01)

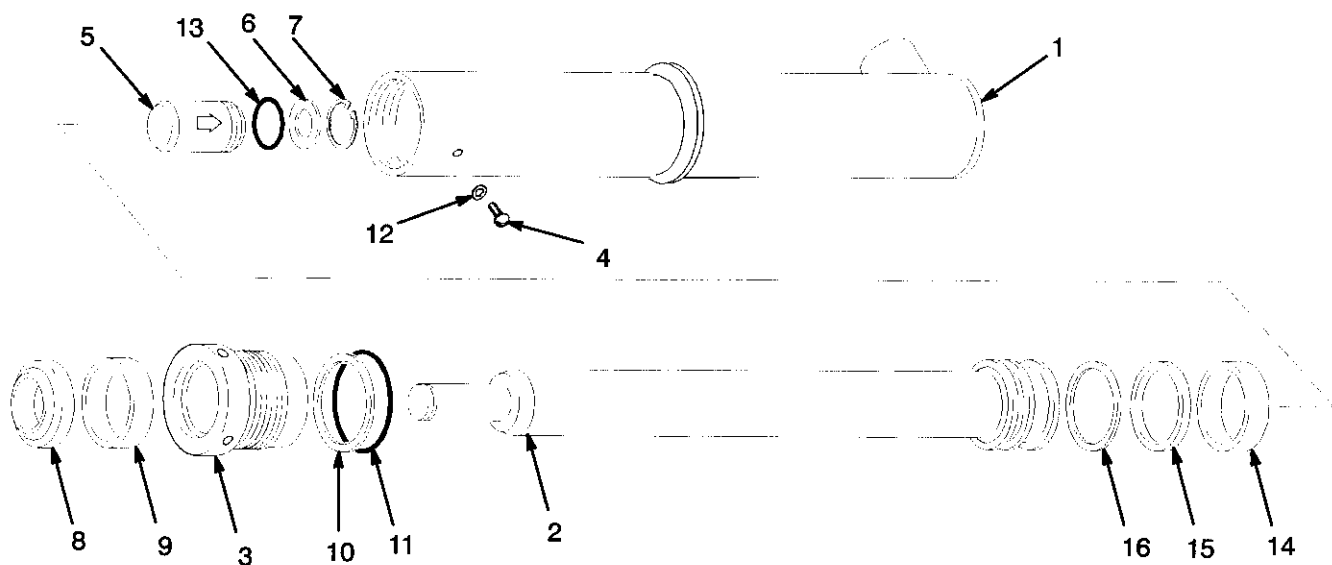
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
12	190887	Seal	1	1
13	39348	O-Ring	1	1
14	1358972	Wear Ring	1	..
14	636941	Wear Ring	..	1
15	2013088	Seal	1	..
15	309062	Seal	..	1
16	2013089	Back-Up Ring	1	..
16	637565	Back-Up Ring	..	1
	1358969	Seal Kit (Includes Items 8-16)	1	..
	1356662	Seal Kit (Includes Items 8-16)	..	1

FOOTNOTES:

a Refer to Table

[illegible]

FREE-LIFT CYLINDER (Figure 10-14) TWO STAGE FULL FREE-LIFT (S/N PENDING PER ECN 73703-01⇒)



HP171022

FREE-LIFT CYLINDER TWO STAGE FULL FREE-LIFT (S/N PENDING PER ECN 73703-01⇒)

H45-55XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
	Cylinder Group Number	8514551	8514552	8514556	8514559
	Free-Lift Cylinder	2058112	2058115	2053795	2053796
1	Shell	2058205	2058206	2058210	2058213
2	Rod	1356295	1356298	1356560	1356569

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
	Cylinder Group Number	8514501	8514502	8514509
	Free-Lift Cylinder	2061861	2061862	2061868
1	Shell	2058247	2058258	2058253
2	Rod	1356658	1356667	1356688

KEY:

A: H45-55XM

B: H60-65XM

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Free-Lift Cylinder	1	1
1	a	Shell	1	1
2	a	Rod.....	1	1
3	1356292	Gland.....	1	..
3	1356661	Gland.....	..	1
4	1361302	Screw	1	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	2013099	Wiper.....	1	1
9	1358970	Seal	1	1
10	147973	Back-Up Ring	1	..
10	164840	Back-Up Ring	..	1
11	15880	O-Ring	..	1
11	90263	O-Ring.....	1	..

**FREE-LIFT CYLINDER
TWO STAGE FULL FREE-LIFT
(S/N PENDING PER ECN 73703-01⇒)**

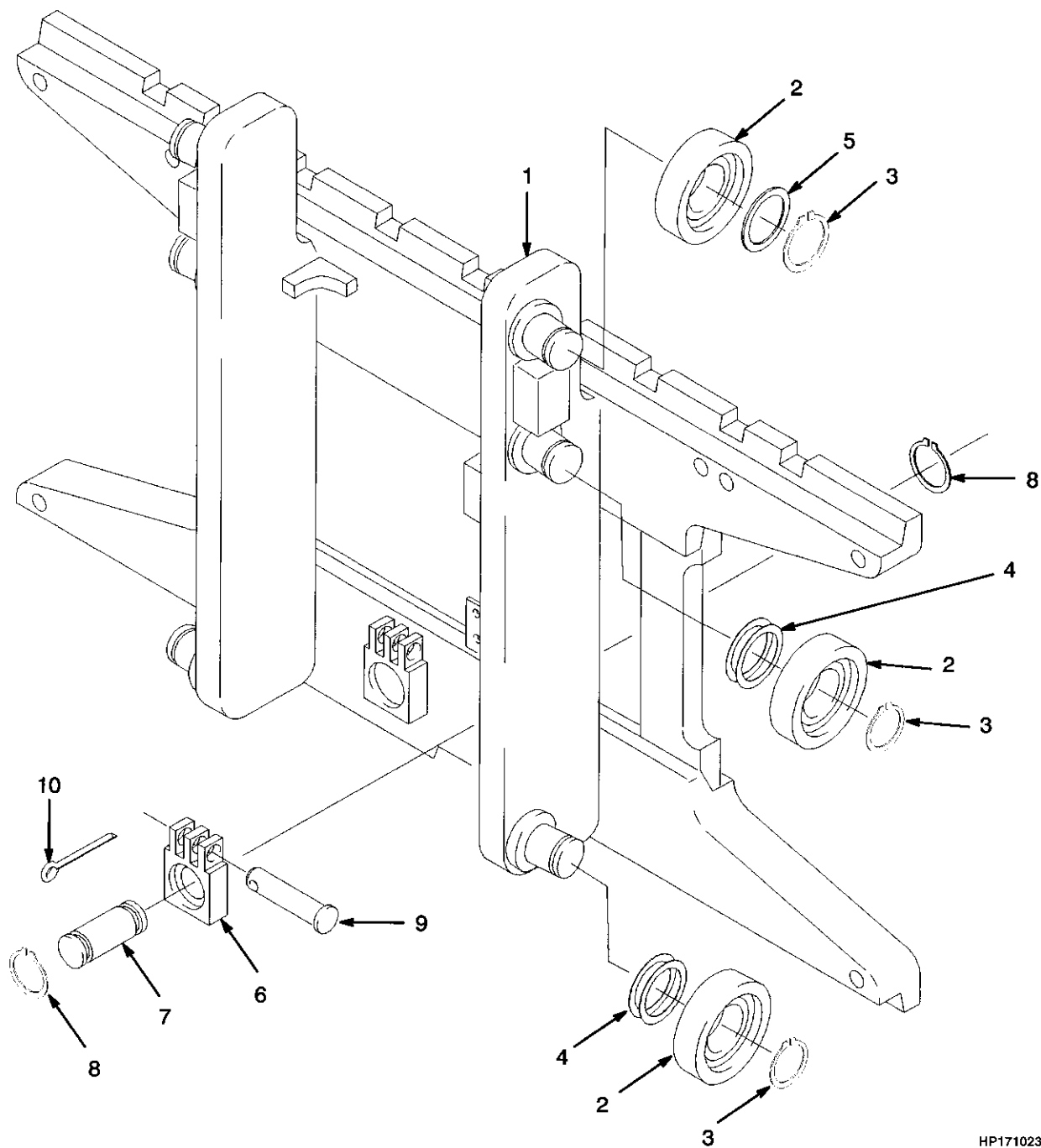
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
12	190887	Seal	1	1
13	39348	O-Ring	1	1
14	1358972	Wear Ring	1	..
14	636941	Wear Ring	..	1
15	2013088	Seal	1	..
15	309062	Seal	..	1
16	2013089	Back-Up Ring	1	..
16	637565	Back-Up Ring	..	1
	1358969	Seal Kit (Includes Items 8-16)	1	..
	1356662	Seal Kit (Includes Items 8-16)	..	1

FOOTNOTES:

a Refer to Table

[illegible]

CARRIAGE (Figure 10-15) TWO STAGE FULL FREE-LIFT SIX ROLLER



HP171023

CARRIAGE TWO STAGE FULL FREE-LIFT SIX ROLLER

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1343844	Carriage Assembly (42 in.) (Group No. 8500011).....	1	..
	1343845	Carriage Assembly (42 in.) (Group No. 8500012).....	..	1
	2035583	Carriage Assembly (48 in.) (Group No. 8500152).....	1	..
	2035584	Carriage Assembly (48 in.) (Group No. 8500157).....	..	1
1	1345239	Carriage	1	..
1	1345240	Carriage	..	1
1	1345216	Stubshaft.....	6	6
2	1345219	Load Roller (Standard)	6	6
2	1345220	Load Roller (1,52 mm).....	6	6
3	12891	Snap Ring.....	6	6
4	1345263	Shim (0.020 in.)	AR	AR
5	366116	Spacer.....	2	2
6	1369344	Chain Anchor (Dual Hole)	..	2
6	1504012	Chain Anchor (Single Hole) (Optional)	..	2
6	1369345	Chain Anchor (Dual Hole)	2	..
6	1504010	Chain Anchor (Single Hole) (Optional)	2	..
7	317735	Pin	2	2
8	131358	Snap Ring.....	4	4
9	1514866	Pin	2	2
10	15211	Cotter Pin	2	2

This diagram illustrates the exploded view of a mechanical assembly, likely a door hinge or latch mechanism. The components are numbered as follows:

- 20:** Multiple circular washers or spacers.
- 17:** Small rectangular spacers or shims.
- 4:** Small pins or screws.
- 3:** Small pins or screws.
- 5:** Small pins or screws.
- 12:** Small pins or screws.
- 14:** Small pins or screws.
- 19:** A long, thin metal plate or bracket.
- 13:** A circular component, possibly a bush or washer.
- 16:** A small rectangular component, possibly a pin or spacer.
- 1:** A long, thin metal plate or bracket.
- 21:** Two circular components, possibly bushings or spacers.
- 2:** A long, thin metal plate or bracket.
- 6:** A small pin or screw.
- 7:** A small pin or screw.
- 8:** A small pin or screw.
- 9:** A small pin or screw.
- 10:** A circular component, possibly a bush or washer.
- 11:** A circular component, possibly a bush or washer.
- 15:** A U-shaped bracket or clip.
- 23:** A long, thin metal plate or bracket.
- 24:** A long, thin metal plate or bracket.
- 25:** A small pin or screw.
- 26:** A small pin or screw.
- 27:** A small pin or screw.
- 28:** A small pin or screw.
- 29:** A small pin or screw.
- 30:** A small pin or screw.
- 31:** A small pin or screw.
- 32:** A small pin or screw.
- 33:** A small pin or screw.
- 35:** A small pin or screw.
- 39:** A small pin or screw.

The diagram shows the assembly of these parts into a larger structure, with dashed lines indicating the alignment and position of the components. An inset in the top right corner provides a detailed view of a specific sub-assembly, showing the arrangement of parts 26, 27, 28, 29, 30, 31, 32, and 33.

HP171027

**HEADER HOSE
TWO STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		2462 mm (96.9 in.)	2562 mm (100.9 in.)	2962 mm (116.6 in.)	3262 mm (128.4 in.)
	Mast Group Number	B509 2462	B509 2562	B509 2962	B509 3262
1	Channel	1365500	1365500	1365500	1365502
2	Channel	1365504	1365506	1365514	1365517
3	Hose	b 1390420 c 1345566	b 1390421 c 1390422	1345571	1368400
4	Hose	b 1390426 c 1368400	b 1369633 c 1376114	1368442	1376120
23	Tube	1360326	1360327	1360331	1360334
24	Tube	1360356	1360357	1360361	1360364
25	Bracket	1381771	1381771	----	----

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		2360 mm (92.9 in.)	2460 mm (96.9 in.)	3160 mm (124.4 in.)
	Mast Group Number	B564 2360	B564 2460	B564 3160
1	Channel	1365500	1365500	1365502
2	Channel	1365504	1365506	1365517
3	Hose	d 1390420 e 1345566	d 1390421 e 1376114	1368400
4	Hose	d 1390426 e 1368400	d 1369633 e 1376114	1360608
23	Tube	1360326	1360334	1360334
24	Tube	1360356	1360357	1360364
25	Bracket	1381772	1381772	----

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Channel	1	1
2	a	Channel	1	1
3	a	Hose	2	2
4	a	Hose	..	2
5	293799	Capscrew	..	4
6	1390411	Hose	..	2
7	1390410	Hose	2	2

HEADER HOSE TWO STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
8	136749	Capscrew.....	6	8
9	313828	Nut.....	6	8
10	1345199	Hose Guide.....	2	4
11	1345204	Snap Ring.....	2	4
12	293795	Capscrew.....	6	6
13	1360508	Clamp.....	2	2
14	1360386	Clamp.....	3	6
15	1365062	Clip.....	1	1
16	1345423	Clamp.....	2	2
17	1353530	Clamp.....	5	10
18	1369333	Clamp.....	1	2
19	1354918	Bracket.....	1	1
20	1360507	Clamp.....	8	8
21	2004005	Strap Clamp.....	1	2
22	14692	Fitting.....	2	2
23	a	Tube.....	1	1
24	a	Tube.....	1	1
25	a	Bracket.....	1	1
26	1395291	Bracket (RH).....	1	1
27	1395292	Bracket (LH).....	..	1
28	ce 1396406	Stubshaft.....	1	2
29	ce 1396407	Spacer.....	1	2
30	ce 1494017	Sheave.....	1	2
31	ce 1345190	Washer.....	1	2
32	ce 292533	Capscrew.....	1	2
33	ce 300937	Nut.....	1	2
34	292527	Capscrew.....	2	2
35	320161	Washer.....	2	2

FOOTNOTES:

- a** Refer to Table
- b** ⇒ S/N B509V-3722
- c** S/N B509V-3723 ⇒
- d** ⇒ S/N B564V-5761
- e** S/N B564V-5762 ⇒

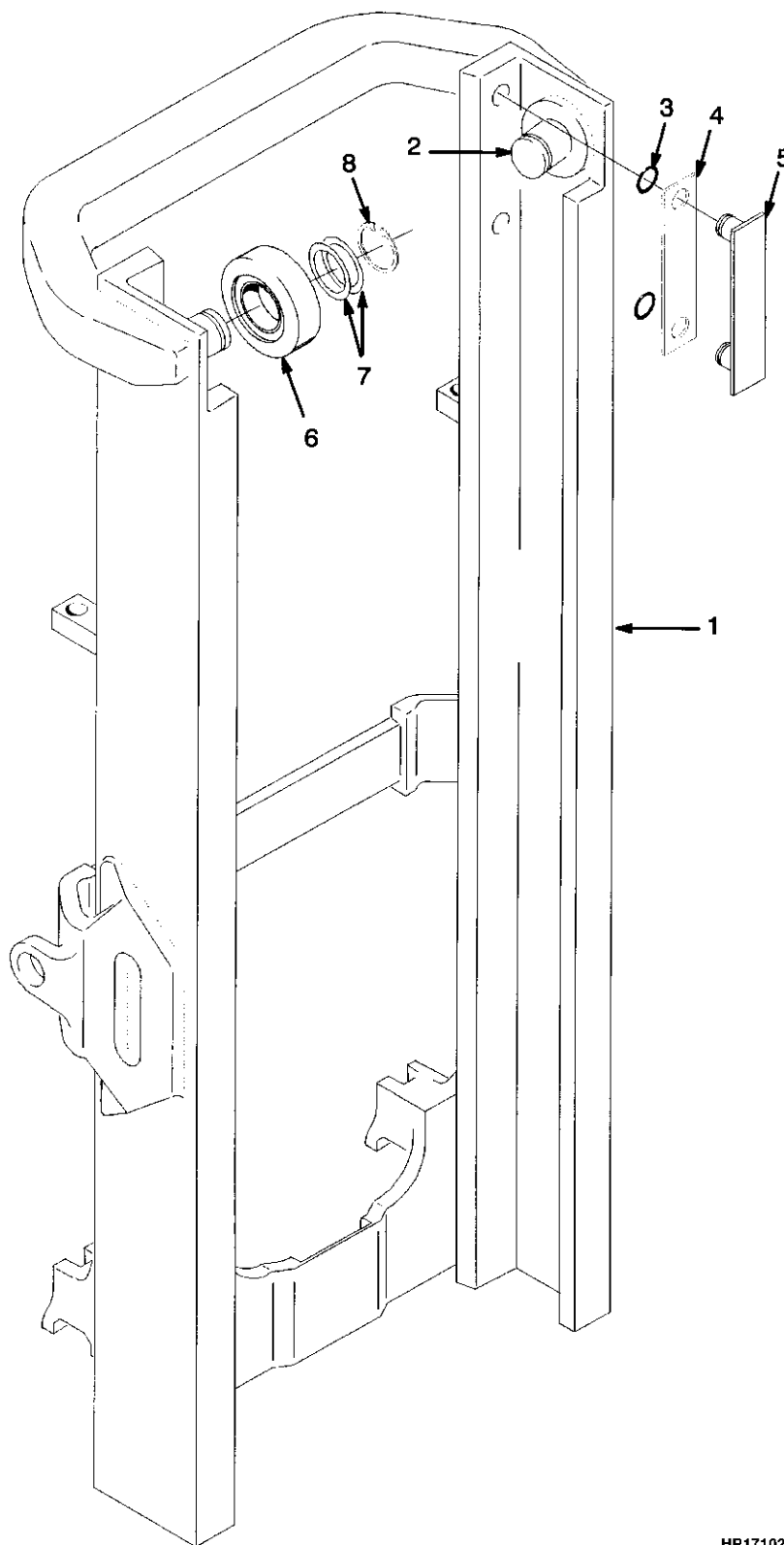
11

MAST-THREE STAGE FULL FREE-LIFT

SECTION 11

MAST-THREE STAGE FULL FREE-LIFT

DESCRIPTION	PAGE
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THREE STAGE FULL FREE-LIFT	
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**OUTER MAST (Figure 11-1)
THREE STAGE FULL FREE-LIFT**

HP171029

**OUTER MAST
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Outer Mast	1341004	1341007	1341008	1341013

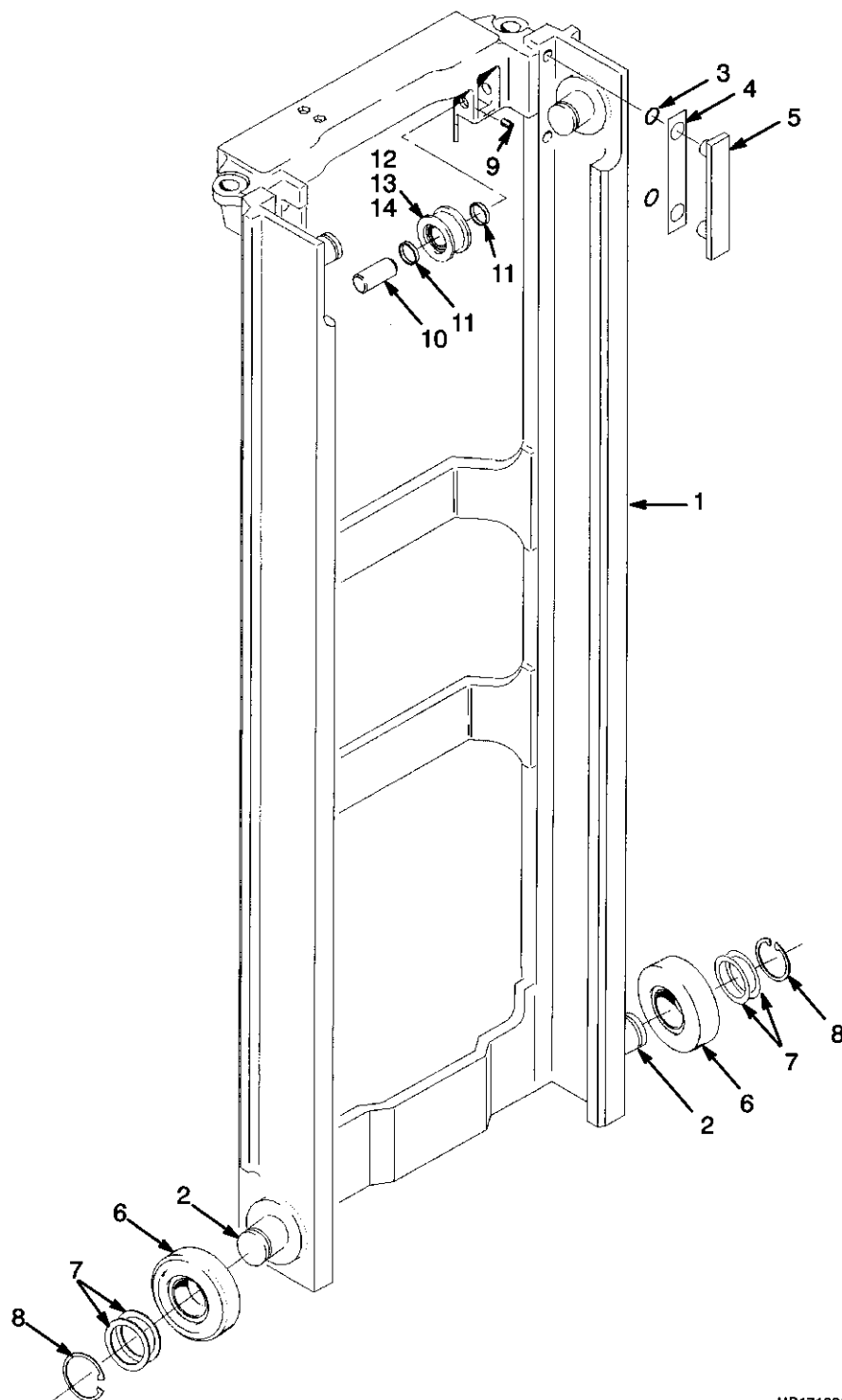
H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Outer Mast	1341004	1341007	1341008	1341010	1341013	1341017

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Outer Mast.....	1
2	1345216	Stubshaft	2
3	104506	O-Ring.....	4
4	131715	Shim (0.007 in.)	4
4	131716	Shim (0.020 in.)	4
5	215211	Bearing Strip	2
6	1333396	Load Roller.....	2
7	129387	Shim (0.020 in.)	AR
8	58901	Snap Ring.....	2

FOOTNOTES:**a** Refer to Table

INTERMEDIATE MAST (Figure 11-2) THREE STAGE FULL FREE-LIFT



HP171030

**INTERMEDIATE MAST
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Intermediate Mast	1341714	1341717	1341718	1341722

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Intermediate Mast	1341714	1341717	1341718	1341719	1341722	1341726

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Intermediate Mast.....	1	1
2	1345216	Stubshaft	2	2
3	104506	O-Ring.....	4	4
4	131716	Shim (0.020 in.)	4	4
5	215211	Bearing Strip	2	2
6	1333396	Load Roller.....	4	4
7	129387	Shim (0.020 in.)	AR	AR
8	58901	Snap Ring.....	4	4
9	302462	Pin	2	2
10	1368656	Pin	2	2
11	1378691	Spacer.....	4	4
12	bd 1345183	Chain Sheave	2	2
12	c 1379685	Chain Sheave Assembly	2	..
12	1378698	Sheave	2	..
12	37752	Snap Ring	1	..
12	1378699	Bearing.....	1	..
13	e 1379684	Chain Sheave Assembly	..	2
13	1378694	Chain Sheave.....	..	1
13	37752	Snap Ring.....	..	1
13	1378699	Bearing.....	..	1

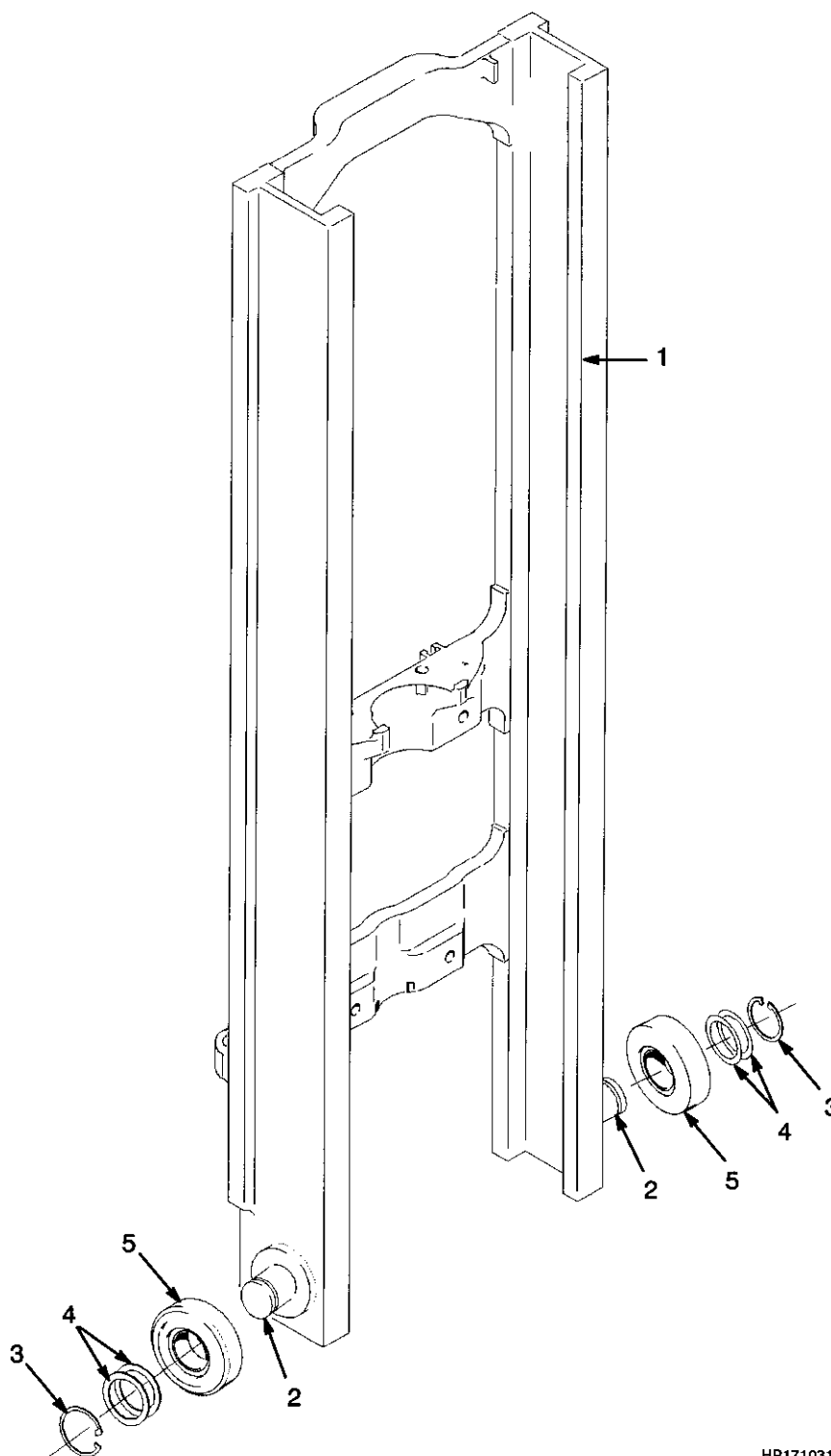
FOOTNOTES:**a** Refer to Table**b** ⇒ S/N B508B-13378S**c** S/N B508B-13379S ⇒

**INTERMEDIATE MAST
THREE STAGE FULL FREE-LIFT**

- d** ⇒ S/N B563B-07029S
e S/N B563B-07030S ⇒

[illegible]

INNER MAST (Figure 11-3) THREE STAGE FULL FREE-LIFT



HP171031

**INNER MAST
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Inner Mast	1381354	1381357	1381358	1381362

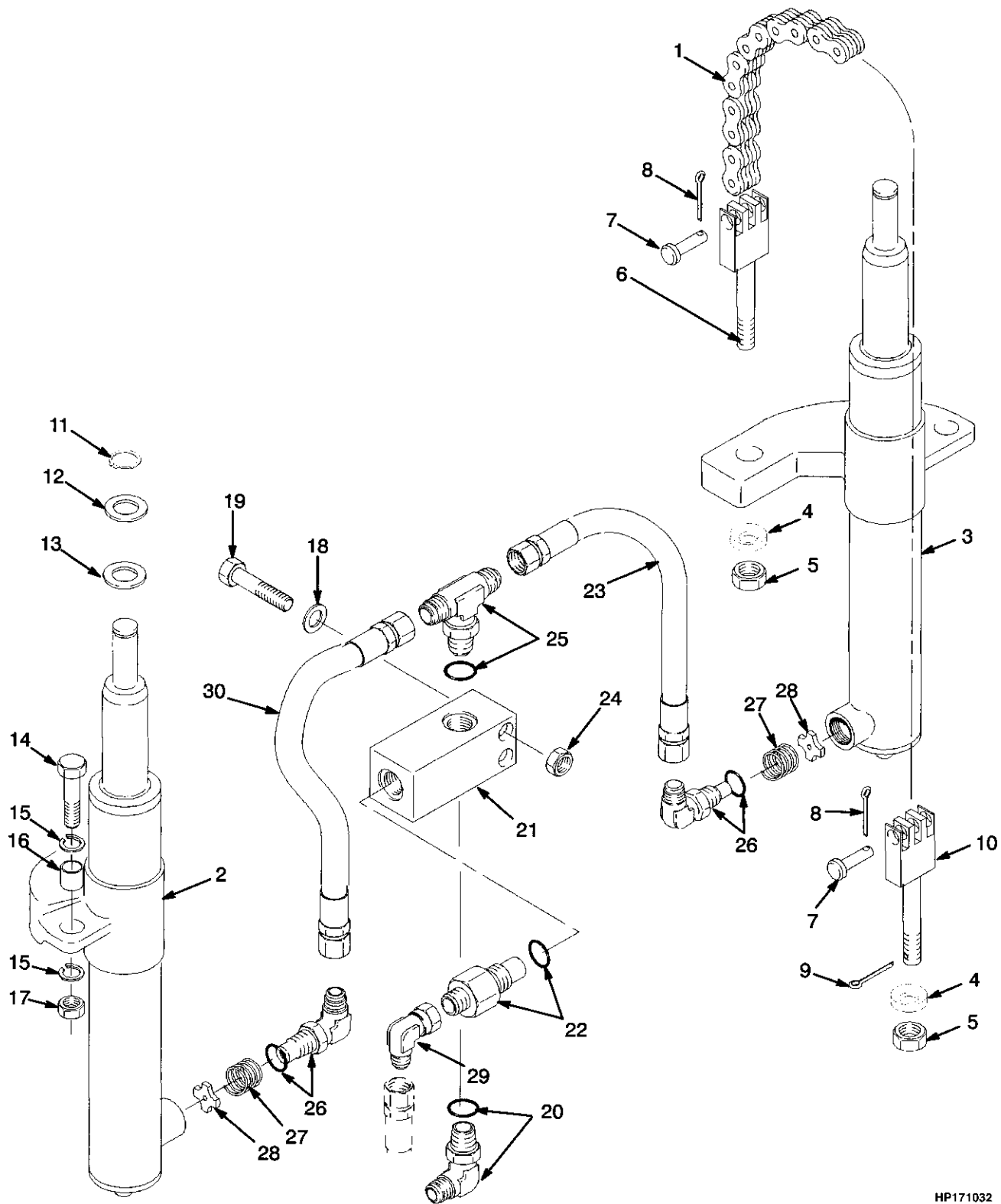
H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Inner Mast	1381354	1381357	----	1381359	1381362	1381366
2	Inner Mast	----	----	1381358	----	----	----

ITEM	PART NO.	DESCRIPTION	QTY
1	a	Inner Mast.....	1
2	a	Inner Mast.....	1
2	1345216	Stubshaft	2
3	58901	Snap Ring.....	2
4	129387	Shim (0.020 in.)	AR
5	1333396	Load Roller.....	2

FOOTNOTES:**a** Refer to Table

MAIN LIFT (Figure 11-4) THREE STAGE FULL FREE-LIFT



HP171032

**MAIN LIFT
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Chain	182343	135634	337174	135588

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Chain	1342120	1342123	1342124	1342126	1342129	1342132

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Chain	2	1
2		Cylinder (RH) (☞ Figure 11-6)	1	1
3		Cylinder (LH) (☞ Figure 11-6)	1	1
4	296426	Washer (Hardened)	4	4
5	60137	Nut	4	4
6	1369356	Chain Anchor	..	2
6	1369357	Chain Anchor	2	..
7	1514866	Pin	4	4
8	15211	Cotter Pin	2	2
9	15223	Cotter Pin	2	2
10	1333329	Chain Anchor	..	2
10	1365140	Chain Anchor	2	..
11	131358	Snap Ring	2	2
12	1333382	Washer	2	2
13	1354915	Washer	AR	AR
13	1354916	Washer	AR	AR
13	1354917	Washer	AR	AR
14	292532	Capscrew	2	2
15	296422	Washer	4	4
16	323090	Spacer	2	2
17	300937	Nut	2	2
18	320157	Washer	2	2
19	214364	Capscrew	2	2
20	184761	Fitting	1	1
20	16486	O-Ring (Face Seal)	1	1
21	1333392	Housing	1	1

MAIN LIFT THREE STAGE FULL FREE-LIFT

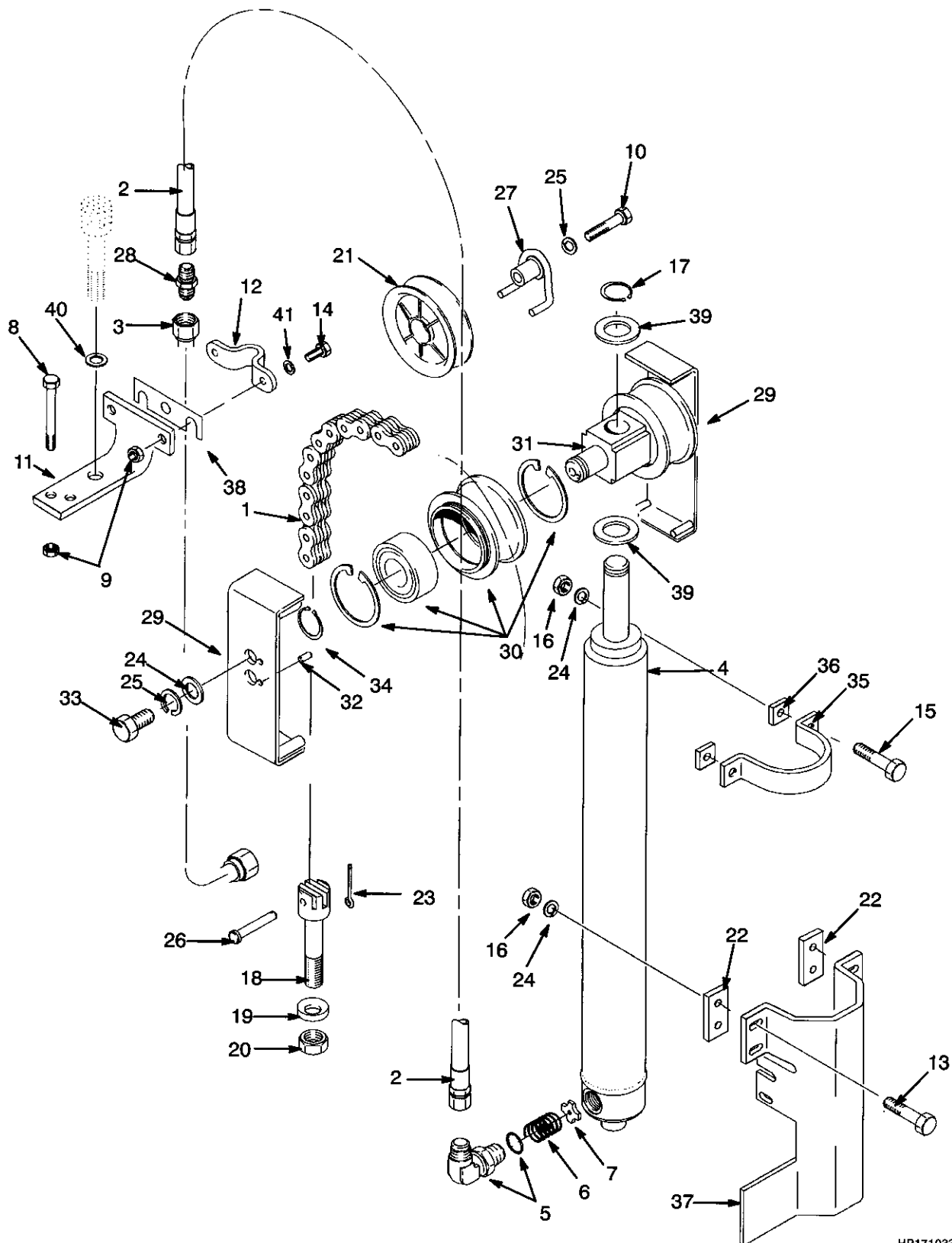
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
22	2309766	Control Valve (Lowering)	1	..
22	316306	Control Valve (Lowering)	..	1
22	16982	O-Ring	1	1
23	1345403	Hose	1	1
24	313828	Nut	2	2
25	16578	Fitting	1	1
25	16485	O-Ring (Face Seal)	1	1
26	189595	Fitting	2	2
26	16485	O-Ring (Face Seal)	1	1
27	337179	Spring	2	2
28	357749	Washer	2	2
29	16882	Fitting	1	1
30	1462551	Hose	1	1

FOOTNOTES:

a Refer to Table

[illegible]

FREE LIFT (Figure 11-5) THREE STAGE FULL FREE-LIFT



**FREE LIFT
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Chain	197345	180177	161029	180057
2	Hose	1342407	1342410	1342411	1342415
3	Tube	1345359	1345362	1345363	1345362

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Chain	1342391	1369328	1342116	1342118	1342121	1342384
2	Hose	1342407	1342410	1342411	1342412	1342415	1342419
3	Tube	1345359	1345362	1345363	1345364	1345367	1345371

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Chain	2	2
2	a	Hose	1	1
3	a	Tube	1	1
4		Free-Lift Cylinder (☞ Figure 11-7)	1	1
5	238637	Fitting	1	1
5	16485	O-Ring (Face Seal)	1	1
6	154355	Spring	1	1
7	356505	Washer	1	1
8	136704	Capscrew	2	2
9	313828	Nut	4	4
10	292532	Capscrew	1	1
11	1362390	Bracket	1	1
12	1345401	Clamp	1	1
13	287837	Capscrew	4	4
14	136681	Capscrew	2	..
14	136749	Capscrew	..	2
15	292529	Capscrew	2	..
15	292530	Capscrew	..	2
16	300937	Nut	6	6
17	131358	Snap Ring	1	1
18	1369357	Chain Anchor	2	..

FREE LIFT THREE STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
18	1369356	Chain Anchor	..	2
19	296426	Washer (Hardened)	2	2
20	161003	Nut	2	2
21	1343989	Hose Sheave	1	1
21	1354901	Bushing	1	1
22	1354903	Spacer	2	2
23	15211	Cotter Pin.....	2	2
24	320161	Washer	8	8
25	292683	Lockwasher.....	3	3
26	1514866	Pin	2	2
27	1360534	Stubshaft	1	1
28	17635	Fitting.....	1	1
29	1395285	Chain Guard	2	2
30	1379682	Chain Sheave Assembly.....	2	..
30	1379683	Chain Sheave Assembly.....	..	2
30	1378692	Sheave	1	..
30	1378693	Sheave	..	1
30	37752	Snap Ring	1	1
30	1378699	Bearing.....	1	1
31	1378690	Crosshead	1	1
32	302461	Pin	2	2
33	292527	Capscrew.....	2	..
33	132680	Capscrew.....	..	2
34	304526	Snap Ring.....	2	2
35	1465504	Clamp	1	1
36	1354902	Spacer	2	2
37	1354962	Bracket.....	1	1
38	325616	Spacer	AR	AR
39	b 1362433	Spacer	4	4
40	320165	Washer	1	1
41	320157	Washer	2	2

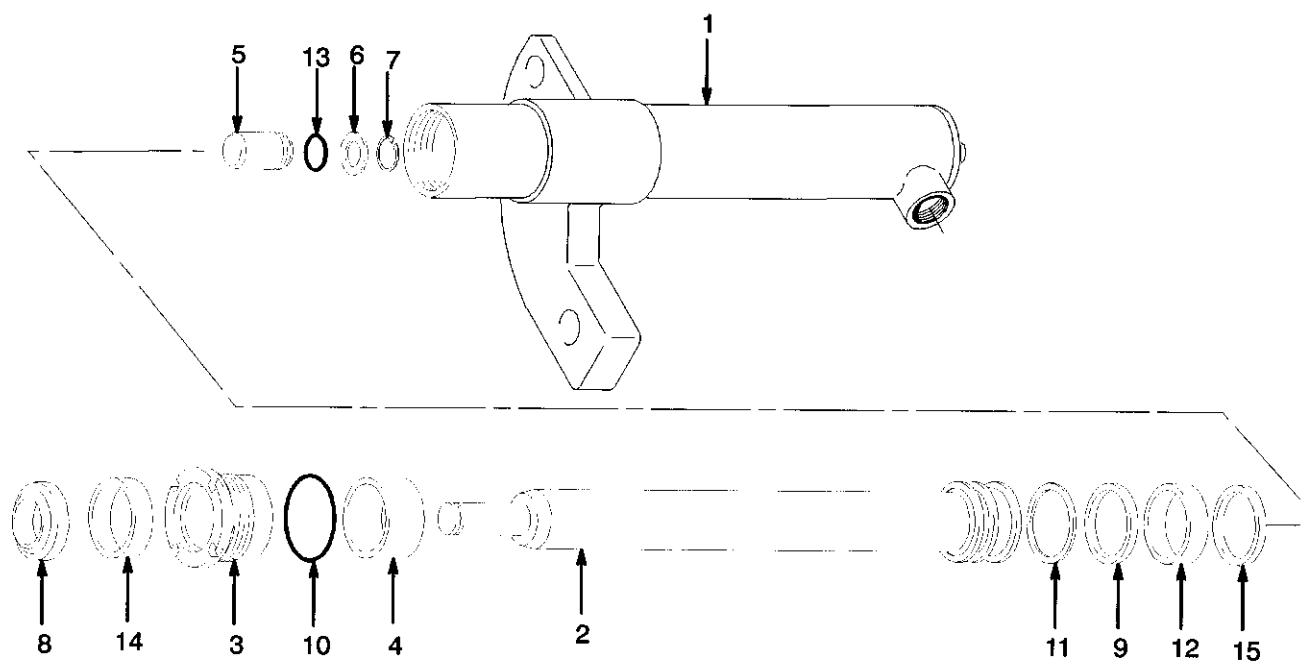
FOOTNOTES:

a Refer to Table

b ⇒ S/N B563V-7095

[illegible]

MAIN CYLINDER (Figure 11-6) THREE STAGE FULL FREE-LIFT



HP171035

**MAIN CYLINDER
THREE STAGE FULL FREE-LIFT****H45-55XM LEFT HAND**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
	Cylinder Group Number	8600405	8600408	8600409	8600413
	Lift Cylinder	1341575	1341578	1341579	1341583
1	Shell	1358973	1355598	1355602	1355619
2	Rod	1355587	1355599	1355603	1355620

H45-55XM RIGHT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
	Cylinder Group Number	8600455	8600458	8600459	8600463
	Lift Cylinder	1341542	1341545	1341546	1341550
1	Shell	1355589	1355601	1355605	1355622
2	Rod	1355587	1355599	1355603	1355620

H60-65XM LEFT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
	Cylinder Group Number	8600505	8600508	8600509	8600510	8600513	8600517
	Lift Cylinder	1341641	1341644	1341645	1341646	1341649	1341653
1	Shell	1355728	1355740	1355744	1355748	1355757	1355744
2	Rod	1355729	1355741	1355745	1355749	1355758	1355775

MAIN CYLINDER THREE STAGE FULL FREE-LIFT

H60-65XM RIGHT HAND

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
		Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318
		Cylinder Group Number	8600555	8600558	8600559	8600560	8600563
	Lift Cylinder		1341608	1341611	1341612	1341613	1341616
1	Shell		1355731	1355743	1355747	1355752	1355760
2	Rod		1355729	1355741	1355745	1355749	1355758

KEY:

A: H45-55XM

B: H60-65XM

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	d	Lift Cylinder.....	1	1
1	d	Shell	1	1
2	d	Rod.....	1	1
3	1355496	Gland.....	1	..
3	1355713	Gland.....	..	1
4	c 1355610	Spacer.....	1	..
4	a 1355711	Spacer.....	..	1
4	b 1355751	Spacer.....	..	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	1319668	Wiper Ring.....	1	1
9	2013075	Seal	1	..
9	334156	Seal	..	1
10	59229	O-Ring	..	1
10	92861	O-Ring	1	..
11	335012	Back-Up Ring	..	1
11	638246	Back-Up Ring	1	..
12	1356750	Wear Ring	1	..
12	1356751	Wear Ring	..	1
13	39348	O-Ring.....	1	1
14	1381095	Rod Seal.....	1	1
15	1356748	Piston Ring.....	..	1
15	1360127	Piston Ring.....	1	1
	1355497	Seal Kit (Includes Items 8-15)	1	..
	1355714	Seal Kit (Includes Items 8-15)	..	1

FOOTNOTES:

a For Lift Heights 162.1 in. and 179.8 in.

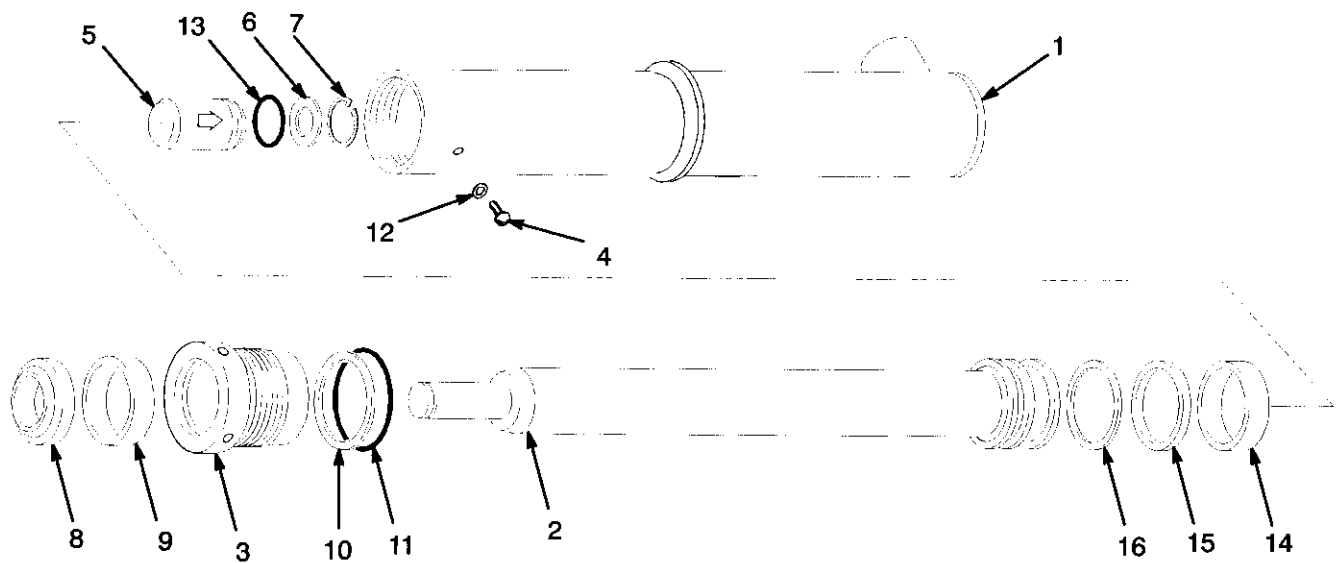
b For Lift Heights 191.7 in. and 209.4 in.

c For Lift Heights 216.9 in.

d Refer to Table

[illegible]

FREE-LIFT CYLINDER (Figure 11-7)
THREE STAGE FULL FREE-LIFT
(⇒S/N B508V-18484 EXC. 18477, ⇒S/N B563V-7094)



HP171037

FREE-LIFT CYLINDER
THREE STAGE FULL FREE-LIFT
(⇒S/N B508V-18484 EXC. 18477, ⇒S/N B563V-7094)

H45-55XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS		
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	5510 mm (216.9 in.)
		B508 4310	B508 4760	B508 5510
	Mast Group Number			
	Cylinder Group Number	8603406	8603409	8603415
	Lift Cylinder	2309480	2303951	2303489
1	Shell	2303871	2311434	2309770
2	Rod	2306774	2311141	2309044

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)
		B563 4118	B563 4568	B563 4868	B563 5318
	Mast Group Number				
	Cylinder Group Number	8603507	8603510	8603513	8603516
	Lift Cylinder	2310270	2302410	2303532	2307773
1	Shell	2311691	2305742	2309026	2309353
2	Rod	2303824	2304216	2309410	2303899

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Lift Cylinder.....	1	1
1	a	Shell	1	1
2	a	Rod.....	1	1
3	1356292	Gland.....	1	..
3	1356661	Gland.....	..	1
4	1361302	Screw	1	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	2013099	Wiper.....	1	1
9	1358970	Seal	1	1
10	147973	Back-Up Ring	1	..
10	164840	Back-Up Ring	..	1
11	15880	O-Ring.....	..	1
11	90263	O-Ring.....	1	..

FREE-LIFT CYLINDER
THREE STAGE FULL FREE-LIFT
(⇒S/N B508V-18484 EXC. 18477, ⇒S/N B563V-7094)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
12	190887	Seal	1	1
13	39348	O-Ring	1	1
14	1358972	Wear Ring	1	..
14	636941	Wear Ring	..	1
15	2013088	Seal	1	..
15	309062	Seal	..	1
16	2013089	Back-Up Ring	1	..
16	637565	Back-Up Ring	..	1
	1356662	Seal Kit (Includes Items 8-16)	..	1
	1358969	Seal Kit (Includes Items 8-16)	1	..

FOOTNOTES:

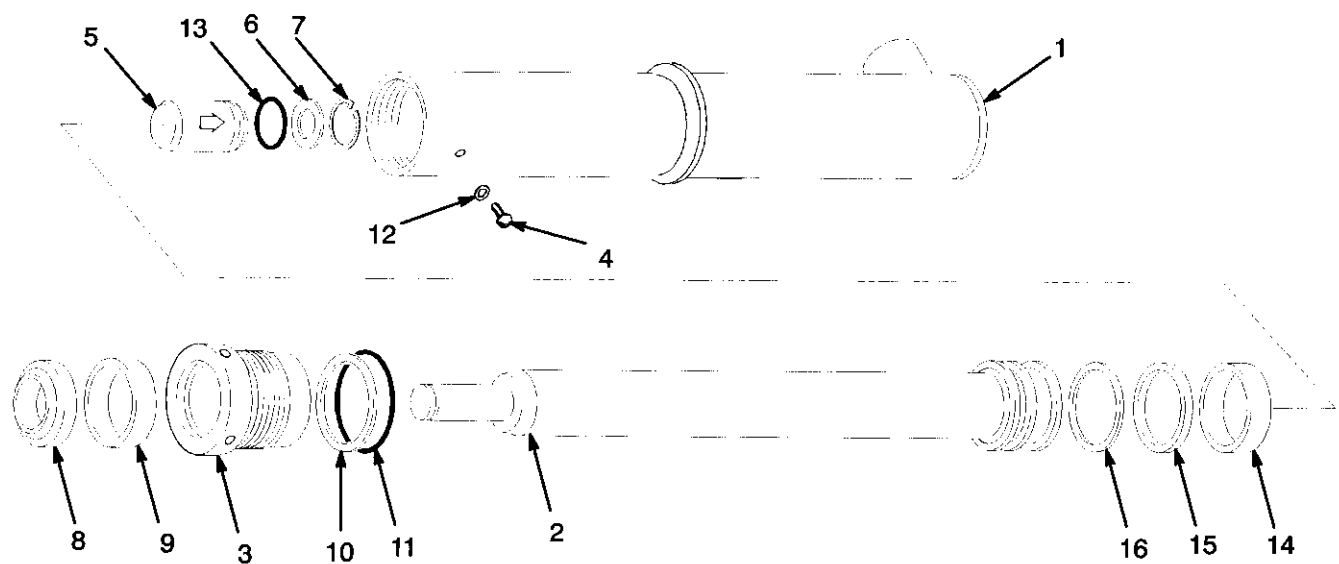
a Refer to Table

[illegible]

FREE-LIFT CYLINDER (Figure 11-8)

THREE STAGE FULL FREE-LIFT

(S/N B508V-18585 INC. 18477↔S/N PENDING PER ECN 73703-01, S/N B563V-07095↔S/N PENDING PER ECN 73703-01)



HP171037

FREE-LIFT CYLINDER
THREE STAGE FULL FREE-LIFT
(S/N B508V-18585 INC. 18477↔S/N PENDING PER ECN 73703-01, S/N B563V-
07095↔S/N PENDING PER ECN 73703-01)

H45-55XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
	Cylinder Group Number	8602406	8602409	8602410	8602415
	Lift Cylinder	1366733	1366736	1366737	1366742
1	Shell	2303871	2311434	2310340	2309770
2	Rod	1356560	1356569	1356572	1371631

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4868	B563 5318
	Cylinder Group Number	8602507	8602510	8602513	8602516
	Lift Cylinder	1369549	1371602	1371605	1371608
1	Shell	2311691	2305742	2309026	2309353
2	Rod	1356682	1356691	1356065	1356074

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Lift Cylinder.....	1	1
1	a	Shell	1	1
2	a	Rod.....	1	1
3	1356292	Gland.....	1	..
3	1356661	Gland.....	..	1
4	1361302	Screw	1	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	2013099	Wiper	1	1
9	1358970	Seal	1	1
10	147973	Back-Up Ring	1	..
10	164840	Back-Up Ring	..	1
11	15880	O-Ring.....	..	1

FREE-LIFT CYLINDER
THREE STAGE FULL FREE-LIFT
(S/N B508V-18585 INC. 18477↔S/N PENDING PER ECN 73703-01, S/N B563V-
07095↔S/N PENDING PER ECN 73703-01)

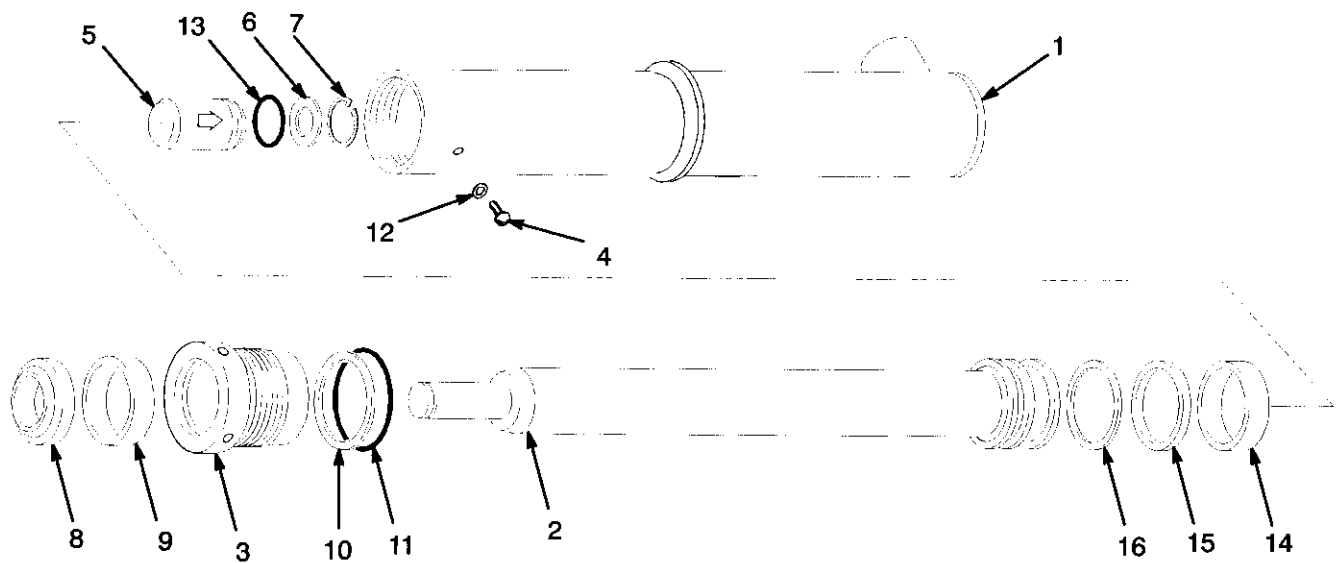
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
11	90263	O-Ring	1	..
12	190887	Seal	1	1
13	39348	O-Ring	1	1
14	1358972	Wear Ring	1	..
14	636941	Wear Ring	..	1
15	2013088	Seal	1	..
15	309062	Seal	..	1
16	2013089	Back-Up Ring	1	..
16	637565	Back-Up Ring	..	1
	1356662	Seal Kit (Includes Items 8-9, 11-16)	1	1
	1358969	Seal Kit (Includes Items 8-16)	1	1

FOOTNOTES:

a Refer to Table

[illegible]

FREE-LIFT CYLINDER (Figure 11-9) THREE STAGE FULL FREE LIFT (S/N PENDING PER ECN 73703-01⇒)



HP171037

FREE-LIFT CYLINDER THREE STAGE FULL FREE LIFT (S/N PENDING PER ECN 73703-01⇒)

H45-55XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
	Cylinder Group Number	8514556	8514559	8514560	8514565
	Lift Cylinder	2053795	2053796	2053797	2053799
1	Shell	2058210	2058213	2058214	2058219
2	Rod	1356560	1356569	1356572	1356587

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
	Cylinder Group Number	8514507	8514510	8514511	8514513	8514516	8514521
	Lift Cylinder	2053770	2053771	2053772	2053773	2053775	2061875
1	Shell	2063690	2063691	2063645	2064046	2063693	2058259
2	Rod	1356682	1356691	1356694	1356065	1356074	1356089

KEY:

A: H45-55XM

B: H60-65XM

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	a	Lift Cylinder.....	1	1
1	a	Shell	1	1
2	a	Rod.....	1	1
3	1356292	Gland.....	1	..
3	1356661	Gland.....	..	1
4	1361302	Screw	1	1
5	257913	Check Valve.....	1	1
6	297531	Washer	1	1
7	187388	Snap Ring.....	1	1
8	2013099	Wiper.....	1	1
9	1358970	Seal	1	1
10	147973	Back-Up Ring	1	..
10	164840	Back-Up Ring	..	1
11	90263	O-Ring.....	1	..
11	15880	O-Ring.....	..	1

**FREE-LIFT CYLINDER
THREE STAGE FULL FREE LIFT
(S/N PENDING PER ECN 73703-01⇒)**

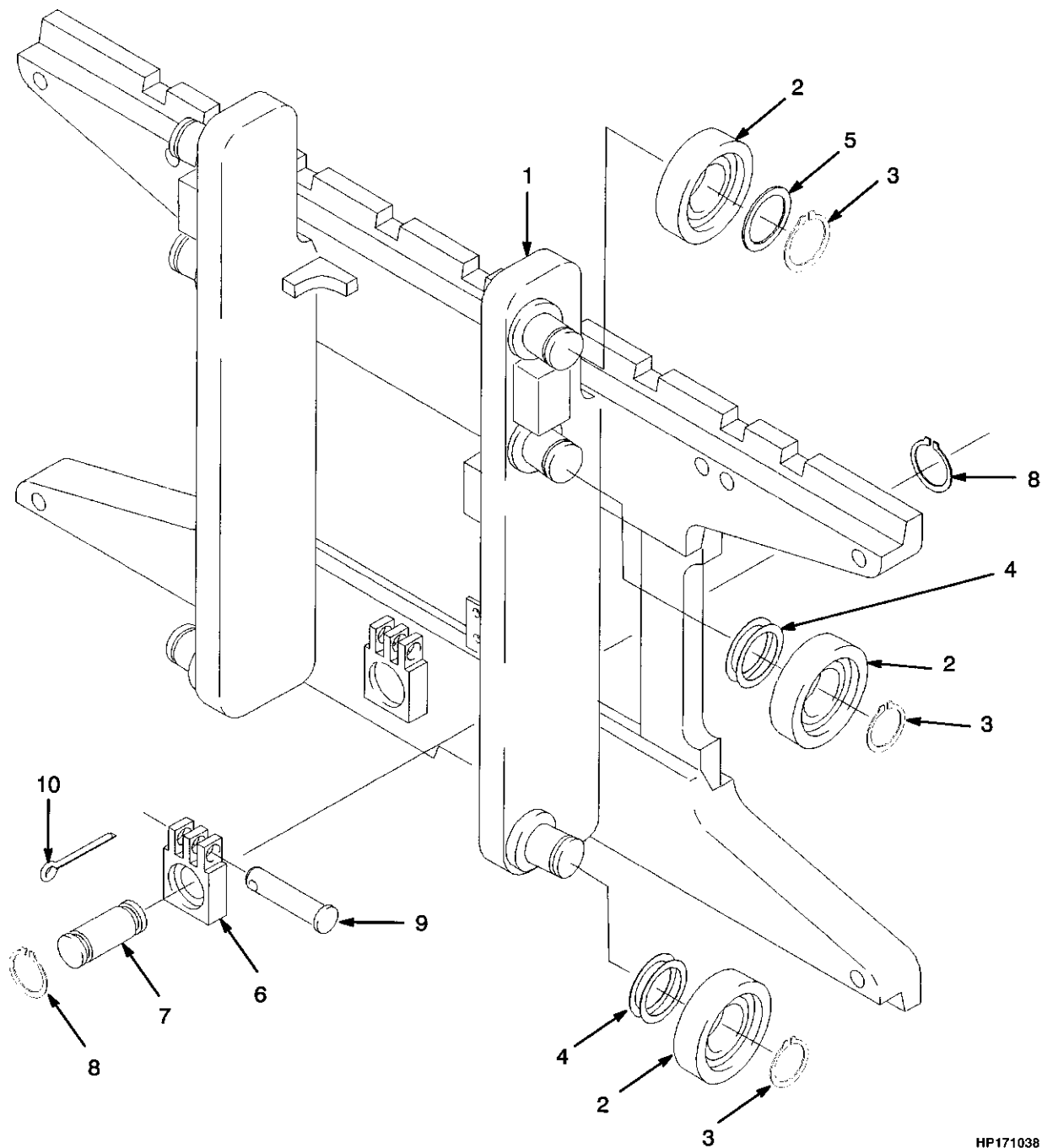
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
12	190887	Seal	1	1
13	39348	O-Ring	1	1
14	1358972	Wear Ring	1	..
14	636941	Wear Ring	..	1
15	2013088	Seal	1	..
15	309062	Seal	..	1
16	2013089	Back-Up Ring	1	..
16	637565	Back-Up Ring	..	1
	1358969	Seal Kit (Includes Items 8-16)	1	..
	1356662	Seal Kit (Includes Items 8-16)	..	1

FOOTNOTES:

a Refer to Table

[illegible]

CARRIAGE (Figure 11-10) THREE STAGE FULL FREE-LIFT SIX ROLLER



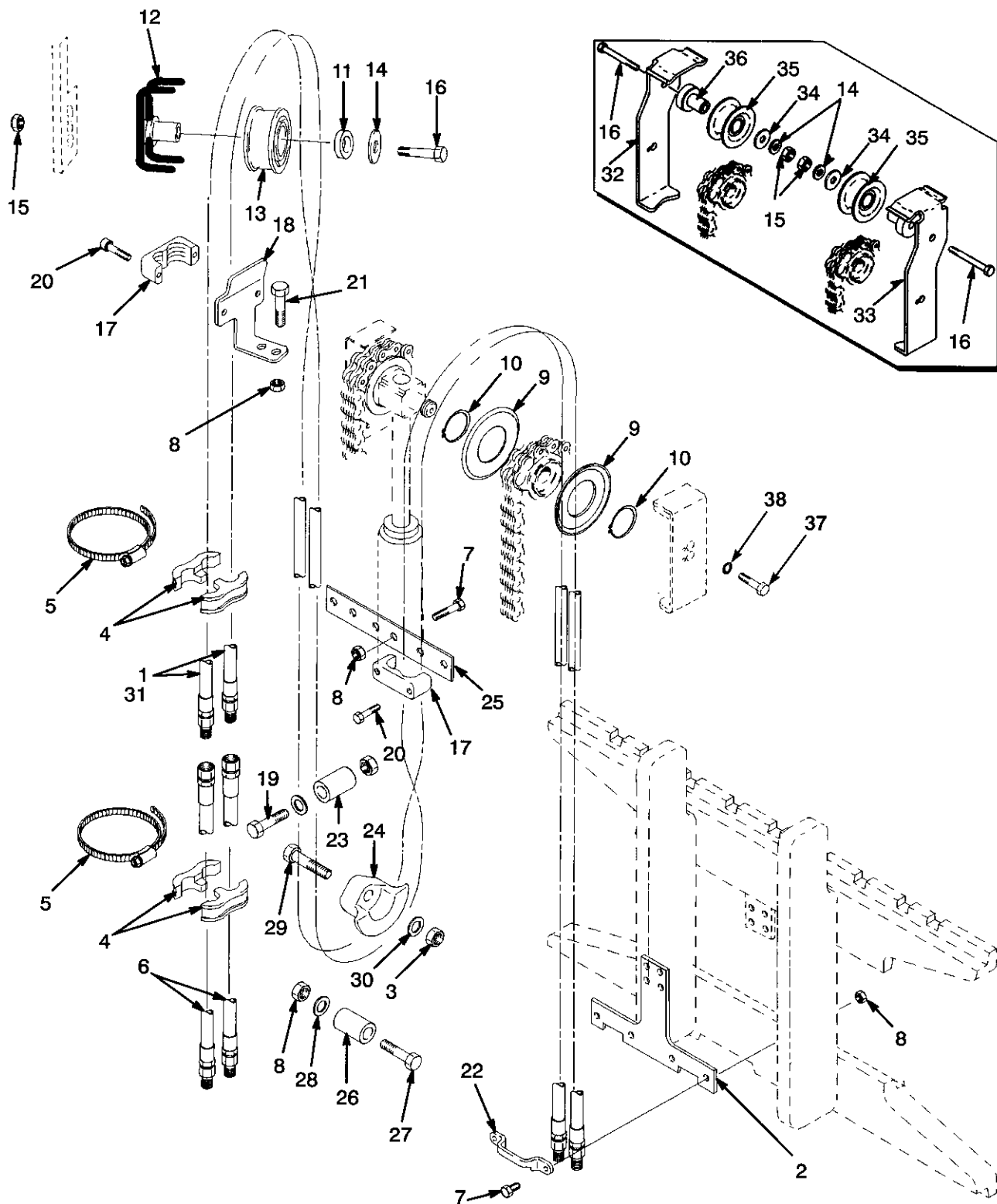
HP171038

CARRIAGE THREE STAGE FULL FREE-LIFT SIX ROLLER

KEY:**A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1379459	Carriage Assembly (42 in.) (Group No. 8500275).....	1	..
	1379460	Carriage Assembly (42 in.) (Group No. 8500276).....	..	1
	1379463	Carriage Assembly (48 in.) (Group No. 8500279).....	1	..
1	1381560	Frame (42 in.).....	1	..
1	1381561	Frame (42 in.).....	..	1
1	1381564	Frame (48 in.).....	1	..
1	1345216	Stubshaft.....	6	6
2	1333399	Load Roller (Standard)	6	6
2	1337900	Load Roller (1,52 mm).....	6	6
3	58901	Snap Ring.....	6	6
4	129387	Shim (0.020 in.)	AR	AR
5	366115	Spacer.....	2	2
6	1369344	Chain Anchor (Dual Hole)	..	2
6	1504012	Chain Anchor (Single Hole) (Optional)	..	2
6	1369345	Chain Anchor (Dual Hole)	2	..
6	1504010	Chain Anchor (Single Hole) (Optional)	2	..
7	317735	Pin	2	2
8	131358	Snap Ring.....	4	4
9	1514866	Pin	2	2
10	15211	Cotter Pin	2	2

HEADER HOSE (Figure 11-11) THREE STAGE FULL FREE-LIFT



HP171041

**HEADER HOSE
THREE STAGE FULL FREE-LIFT****H45-55XM**

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS			
		4310 mm (169.7 in.)	4760 mm (187.4 in.)	4910 mm (193.3 in.)	5510 mm (216.9 in.)
	Mast Group Number	B508 4310	B508 4760	B508 4910	B508 5510
1	Hose	b 1358352 c 1368411	b 1369625 c 1376131	b 1358354 c 1368414	b 1369627 c 1358360
31	Hose	1368445	1398951	1376133	1398595

H60-65XM

ITEM	DESCRIPTION 1 2 3 4	LIFT HEIGHT TO BOTTOM OF FORKS					
		4118 mm (162.1 in.)	4568 mm (179.8 in.)	4718 mm (185.7 in.)	4868 mm (191.7 in.)	5318 mm (209.4 in.)	5918 mm (233.0 in.)
	Mast Group Number	B563 4118	B563 4568	B563 4718	B563 4868	B563 5318	B563 5918
1	Hose	d 1358352 e 1368411	d 1369625 e 1376131	b 1358354 e 1368414	d 1358355 e 1376161	d 1369627 e 1376164	d 1351792 e 1376167
31	Hose	1368445	1398951	1376133	1369643	1398595	1398604

KEY:**A: Three Function****B: Four Function**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	a	Hose	2	2
2	1381771	Bracket (H45-55XM)	1	1
2	1381772	Bracket (H60-65XM)	1	1
3	316826	Nut	1	2
4	1353530	Clamp	4	8
5	1360507	Clamp	2	4
6	1354904	Hose (LH)	..	2
6	1354922	Hose (RH)	2	2
7	136749	Capscrew	8	10
8	313828	Nut	9	14
9	1345199	Hose Guide	2	4
10	1345204	Snap Ring	2	4
11	1360549	Spacer	1	2
12	1362387	Stubshaft	1	2
13	1494017	Sheave	1	2
14	1345190	Washer	1	2
15	1390182	Nut	1	2
16	292533	Capscrew	1	2
17	1360386	Clamp	2	4
18	1354906	Bracket (RH)	1	1
18	1354907	Bracket (LH)	..	1
19	292534	Capscrew	1	2

HEADER HOSE THREE STAGE FULL FREE-LIFT

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
20	293795	Capscrew.....	4	8
21	136704	Capscrew.....	2	4
22	1369333	Clamp	1	2
23	1360538	Tube	1	2
24	1348246	Hose Guide (RH)	1	1
24	1348247	Hose Guide (LH).....	..	1
25	1353464	Plate	1	1
26	1354961	Restraint	1	2
27	214364	Capscrew.....	1	2
28	320158	Washer	1	2
29	287860	Capscrew.....	1	2
30	320160	Washer	1	2
31	a	Hose	..	2
32	ce 1395291	Bracket (RH) (RH)	1	1
33	ce 1395292	Bracket (LH) (LH).....	..	1
34	ce 1396407	Spacer	1	2
35	ce 1345194	Sheave.....	1	2
36	ce 1396406	Stubshaft	1	2
37	292527	Capscrew.....	2	2
38	320161	Washer	2	2

FOOTNOTES:

- a** Refer to Table
b ⇒ S/N B508V-24129
c S/N B508V-24130 ⇒
d ⇒ S/N B563V-9115
e S/N B563V-9116 ⇒

SECTION 12
OPTIONS

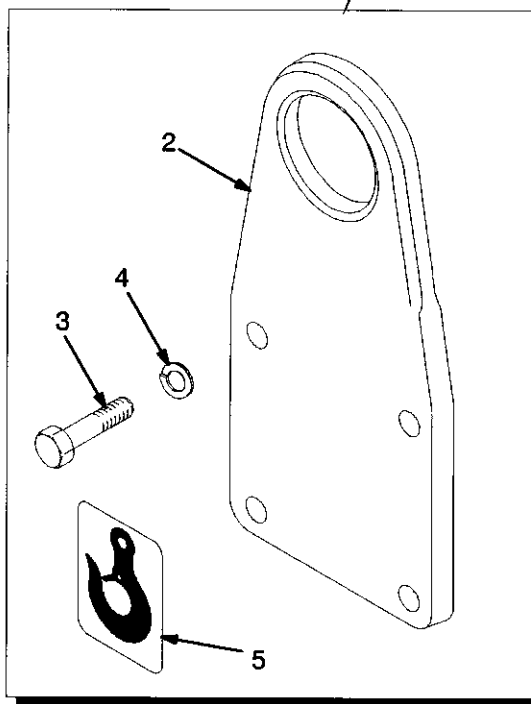
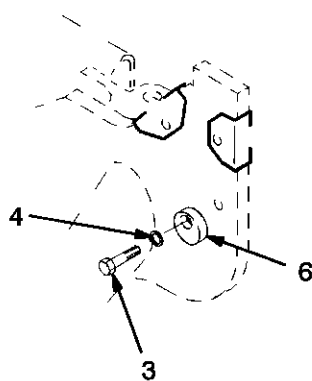
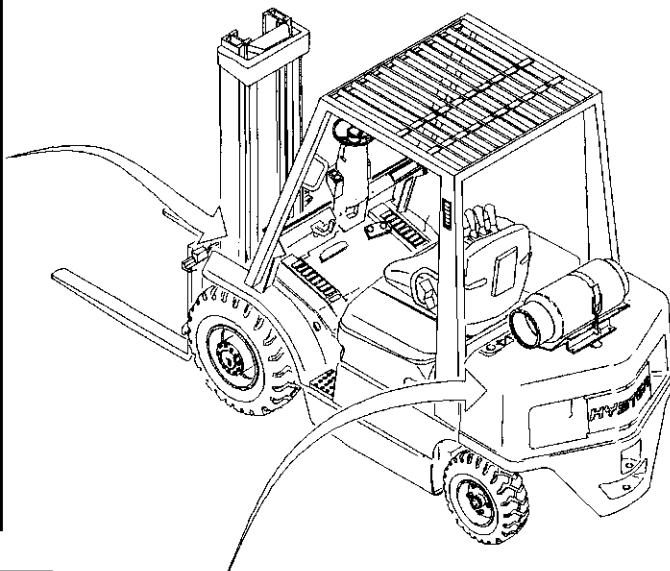
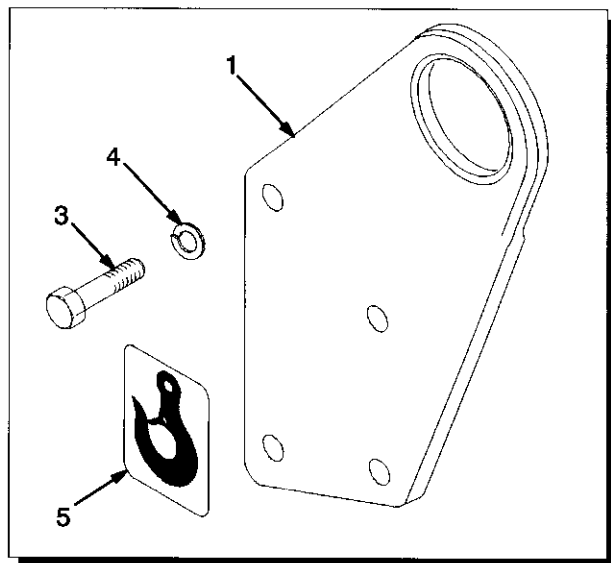
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ACCESSORIES	
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PVC.....	12-46
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FENDERS	12-6
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TWO STAGE LIMITED FREE-LIFT	12-22
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TWO STAGE FULL FREE-LIFT	12-16
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SECTION 12
OPTIONS (Continued)

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POWERTRAIN PROTECTION	12-76
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LIFTING EYE (Figure 12-1)

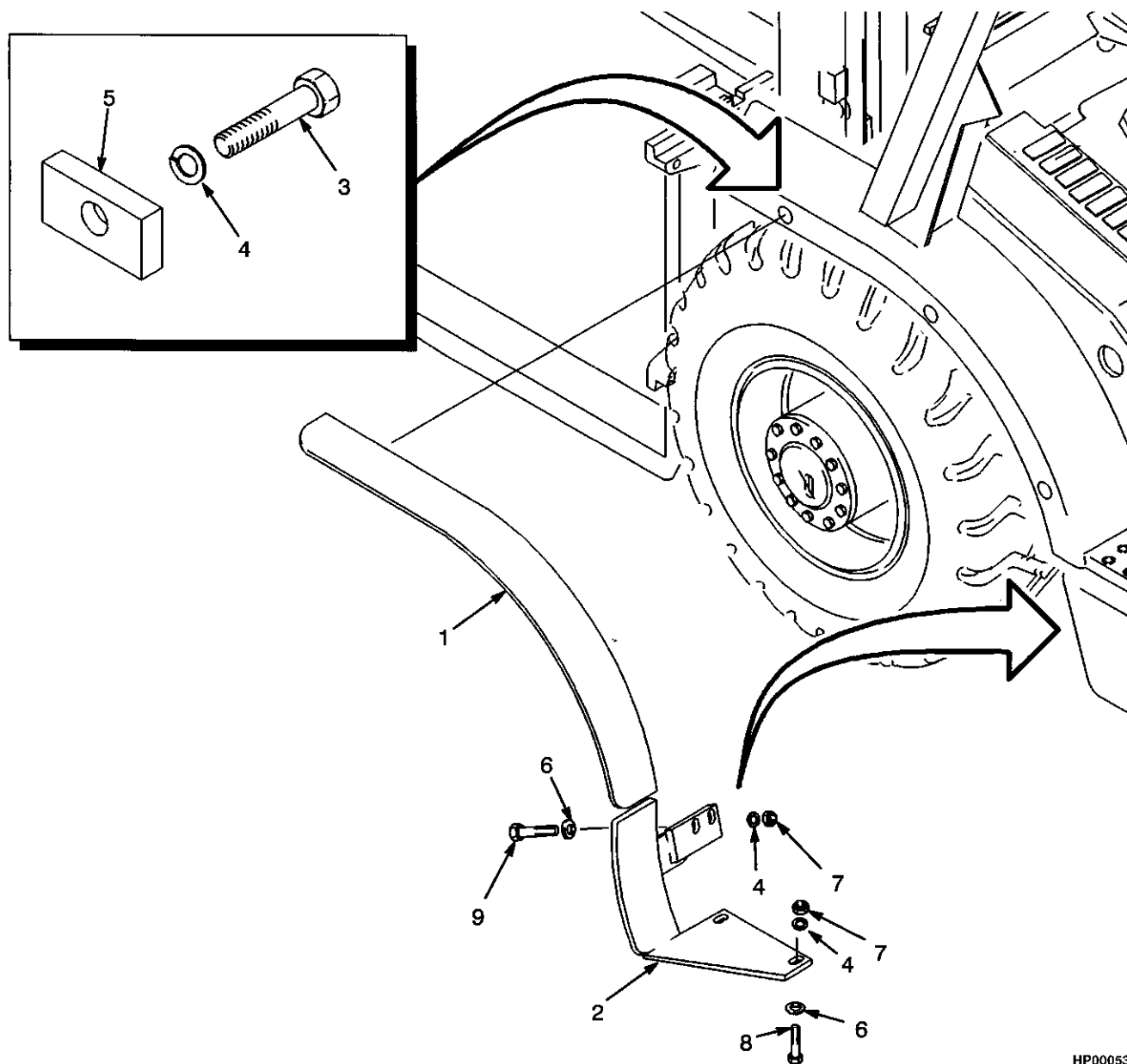


HP000529

LIFTING EYE

ITEM	PART NO.	DESCRIPTION	QTY
1	1356400	Lifting Eye	2
2	1356401	Lifting Eye	2
3	293647	Capscrew	18
4	292683	Lockwasher	18
5	316448	Label (Lifting Eye)	4
6	1369709	Cam	2

FENDERS (Figure 12-2)

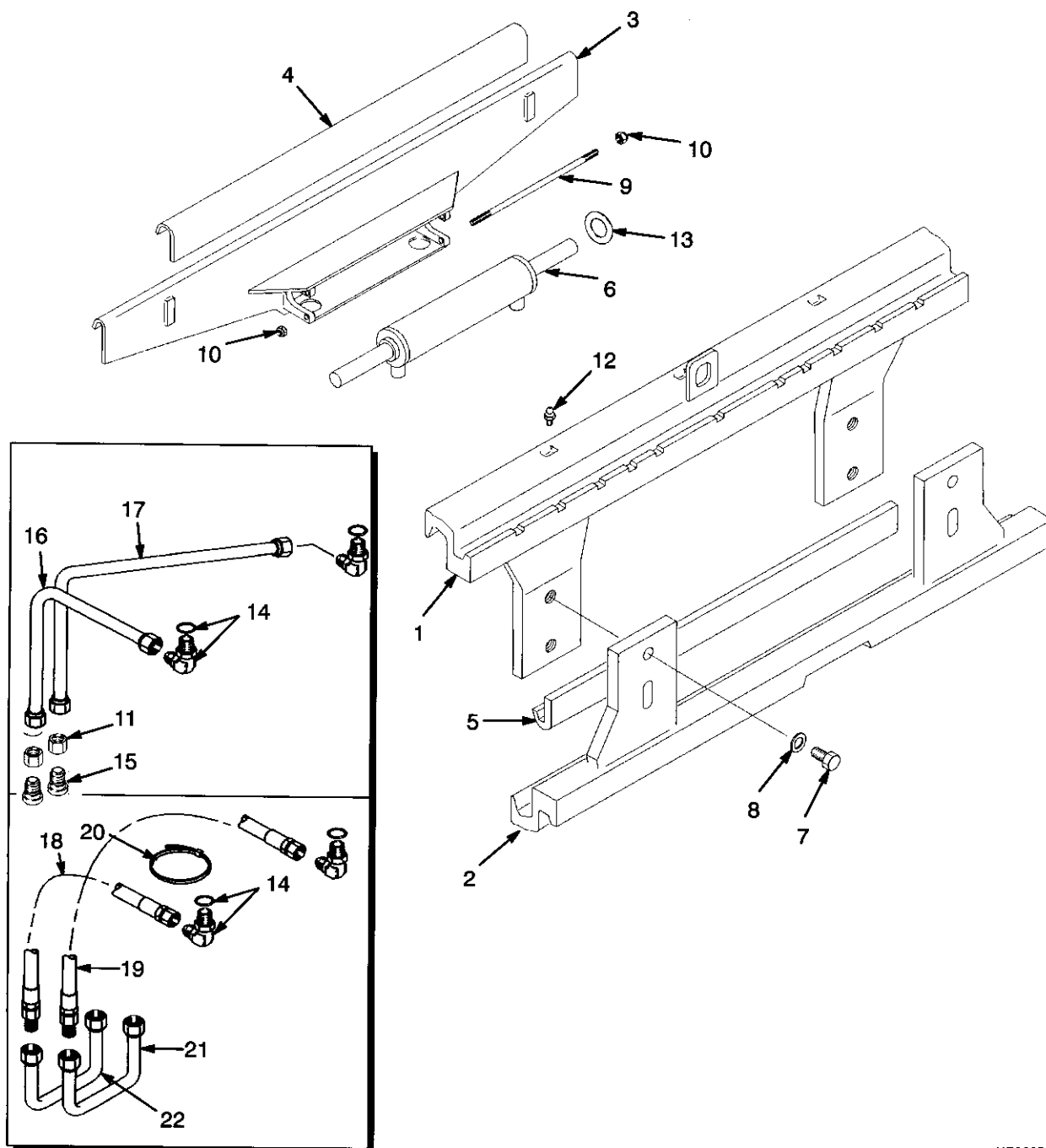


HP000530

FENDERS**KEY:****A: Wide Tire****B: Dual Tire**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1347142	Fender (Wide) (LH).....	1	..
1	1347143	Fender (Wide) (RH)	1	..
1	1347196	Fender (Dual) (LH).....	..	1
1	1347197	Fender (Dual) (RH).....	..	1
2	1347145	Fender (Wide) (LH).....	1	..
2	1347146	Fender (Wide) (RH)	1	..
2	1347198	Fender (Dual) (LH).....	..	1
2	1347201	Fender (Dual) (RH).....	..	1
3	292516	Capscrew.....	6	6
4	292682	Lockwasher.....	14	10
5	1347144	Bar	6	6
6	320160	Washer	8	4
7	136692	Nut	8	4
8	287860	Capscrew.....	4	4
9	292515	Capscrew.....	4	..

SIDE-SHIFT CARRIAGE (Figure 12-3)



HP000531

SIDE-SHIFT CARRIAGE**KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	d 1356918	Side-Shift Carriage (42 in.)	1	..
	e 1399041	Side-Shift Carriage (42 in.)	1	..
	d 1376340	Side-Shift Carriage (48 in.)	1	..
	e 1399044	Side-Shift Carriage (48 in.)	1	..
	d 1356882	Side-Shift Carriage (42 in.)	..	1
	e 1399048	Side-Shift Carriage (42 in.)	..	1
1	1355523	Apron (42 in.) (Top)	1	..
1	1376341	Apron (48 in.) (Top)	1	..
1	1355547	Apron (42 in.) (Top)	..	1
2	1378055	Apron (42 in.) (Lower)	1	..
2	e 1396431	Shim (42 in.) (Lower Bearing)	6	..
2	1378057	Apron (48 in.) (Lower)	1	..
2	e 1396434	Shim (48 in.) (Lower Bearing)	6	..
2	1378072	Apron (42 in.) (Lower)	..	1
2	e 1396431	Shim (42 in.) (Lower Bearing)	..	6
3	d 1356857	Support (42 in.)	1	..
3	e 1399006	Support (42 in.)	1	..
3	d 1376343	Support (48 in.)	1	..
3	e 1399008	Support (48 in.)	1	..
3	d 1356912	Support (42 in.)	..	1
3	e 1399023	Support (42 in.)	..	1
4	d 1356867	Bearing (42 in.) (Top) (42 in.)	1	..
4	e 1396460	Bearing (42 in.) (Top) (42 in.)	1	..
4	d 1376344	Bearing (48 in.) (Top) (48 in.)	1	..
4	e 1396462	Bearing (48 in.) (Top) (48 in.)	1	..
4	d 1356902	Bearing (42 in.) (Top) (42 in.)	..	1
4	e 1396472	Bearing (42 in.) (Top) (42 in.)	..	1
5	1378065	Bearing (42 in.) (Lower) (42 in.)	1	..
5	1356863	Bearing (48 in.) (Lower) (48 in.)	1	..
5	1378082	Bearing (42 in.) (Lower) (42 in.)	..	1
6	1360125	Side-Shift Cylinder (☞ Figure 12-4)	1	..
6	1360126	Side-Shift Cylinder (☞ Figure 12-4)	..	1
7	1360229	Capscrew	..	4
7	293704	Capscrew	4	..
8	296431	Washer	4	..
8	296435	Washer	..	4
9	a 1358809	Rod.....	2	2
9	1371289	Capscrew	2	2
10	313828	Nut.....	2	2
10	a 313828	Nut.....	4	4
11	17319	Fitting (42 in.).....	2	2
12	16041	Lube Fitting	3	3
13	1358821	Shim (0.020 in.)	AR	AR
14	239784	Fitting.....	2	1
14	16481	O-Ring	1	1
15	17218	Fitting (42 in.).....	2	2

SIDE-SHIFT CARRIAGE

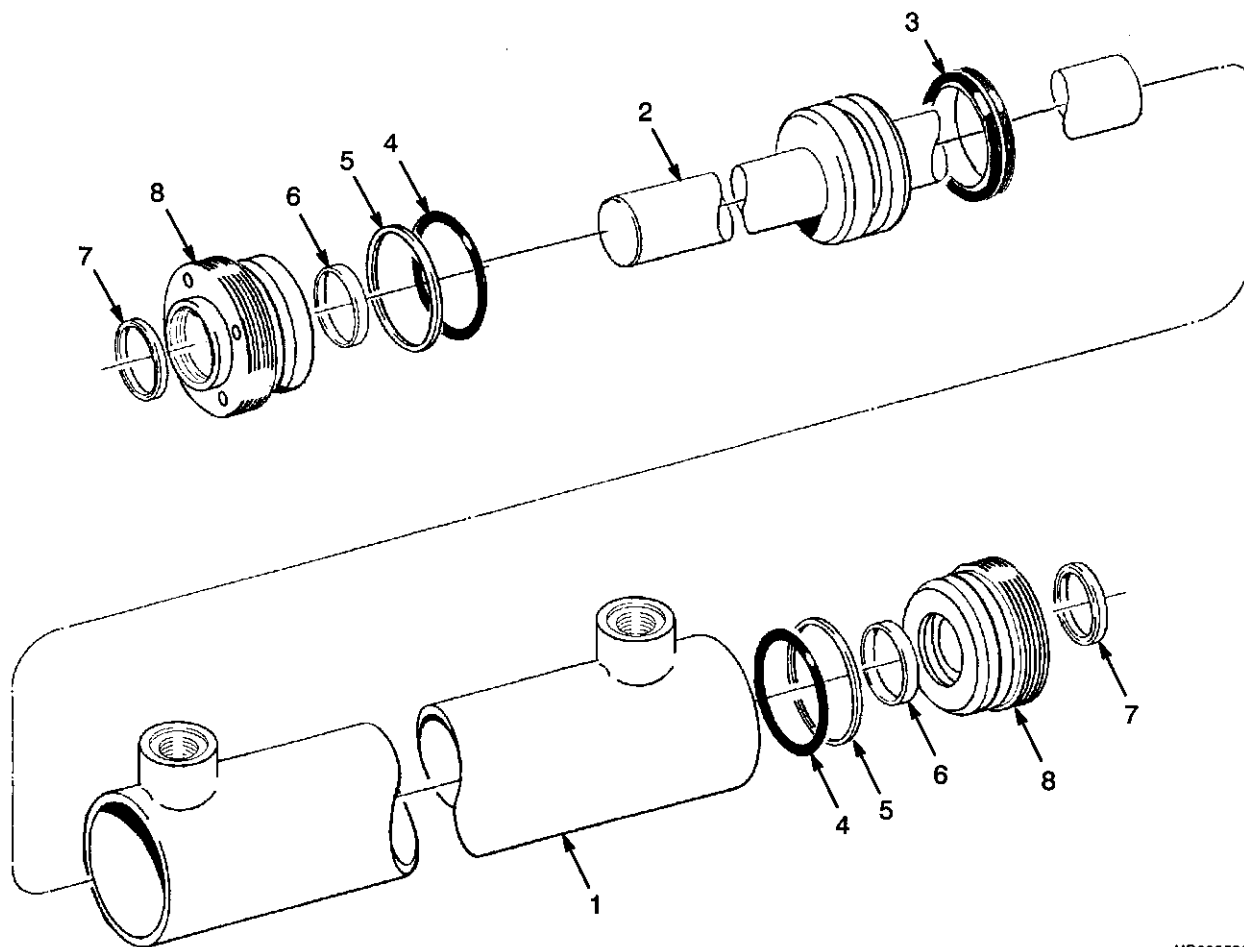
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
16	c 1358814	Tube	1	..
16	c 1358816	Tube	..	1
17	c 1358815	Tube	1	..
17	c 1358817	Tube	..	1
18	b 1390365	Hose	1	..
18	b 1390367	Hose	..	1
19	b 1390366	Hose	1	..
19	b 1390368	Hose	..	1
20	b 114312	Strap Clamp.....	1	1
21	b 1381765	Tube Assembly	1	1
22	b 1381766	Tube Assembly	1	1
23	b 16565	Fitting.....	..	1

FOOTNOTES:

- a** Optional
- b** Two Stage Full Free-Lift and Three Stage Full Free-Lift
- c** Two Stage Limited Free-Lift
- d** ⇒ S/N B601V-05324G
- e** S/N B601V-05325G ⇒

[illegible]

SIDE-SHIFT CYLINDER (Figure 12-4)

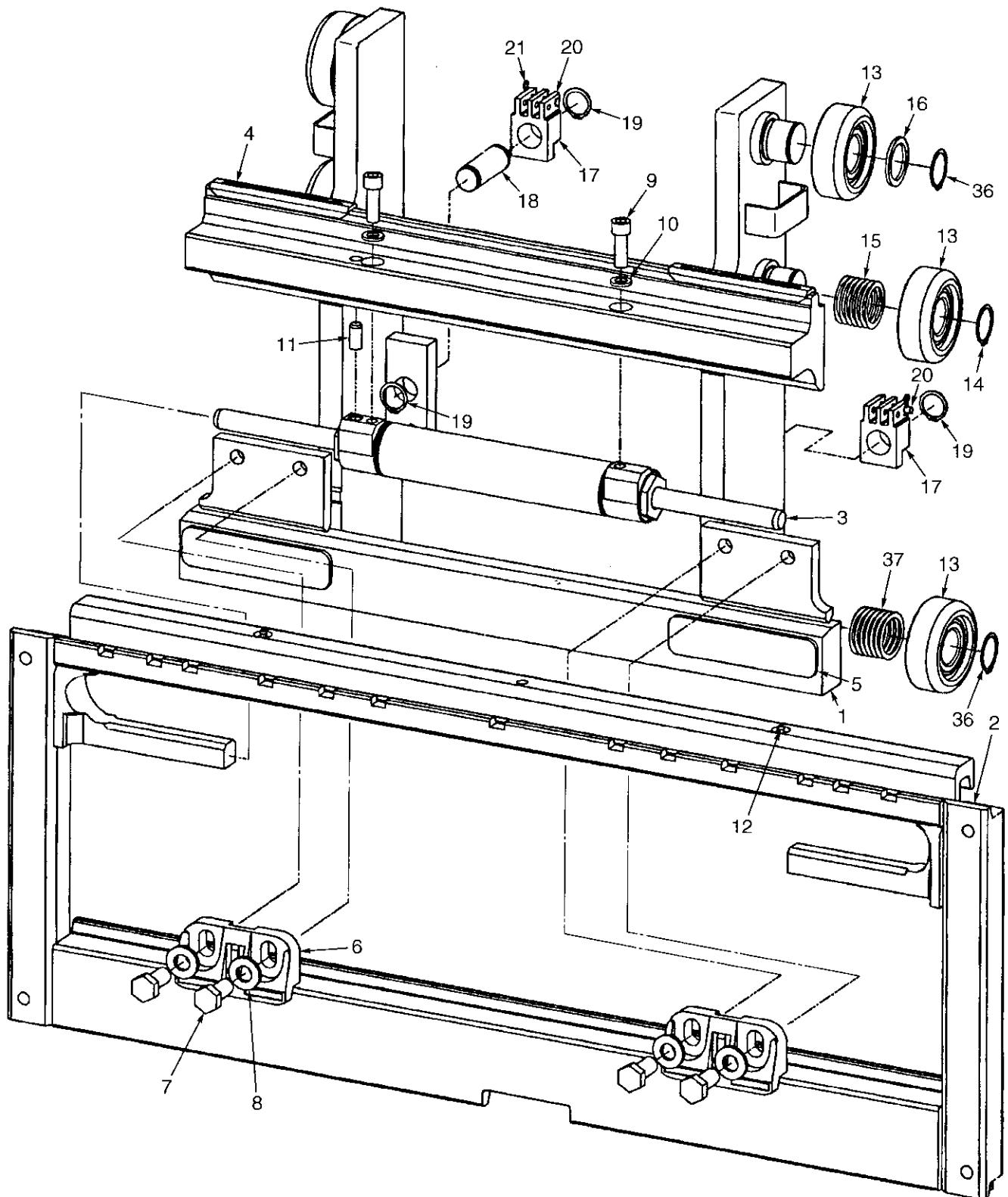


HP000532

SIDE-SHIFT CYLINDER**KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1360125	Side-Shift Cylinder	1	..
	1360126	Side-Shift Cylinder	..	1
1	2304345	Shell	..	1
1	2311471	Tube.....	1	..
2	2303634	Rod.....	..	1
2	2309719	Rod.....	1	..
3	1351184	Seal	..	1
3	2306755	Seal	1	..
4	55407	O-Ring	2	..
4	59229	O-Ring	..	2
5	153919	Back-Up Ring	2	..
5	615130	Back-Up Ring	..	2
6	294643	Seal	2	2
7	636851	Wiper Ring.....	2	2
8	2306283	Gland.....	..	2
8	2310768	Gland.....	2	..
8	383789	Thread Lock	AR	AR
	2311624	Seal Kit (Includes Items 3-7)	1	1
	2307647	Seal Kit (Includes Items 3-7)	1	1

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 12-5) TWO STAGE LIMITED FREE-LIFT

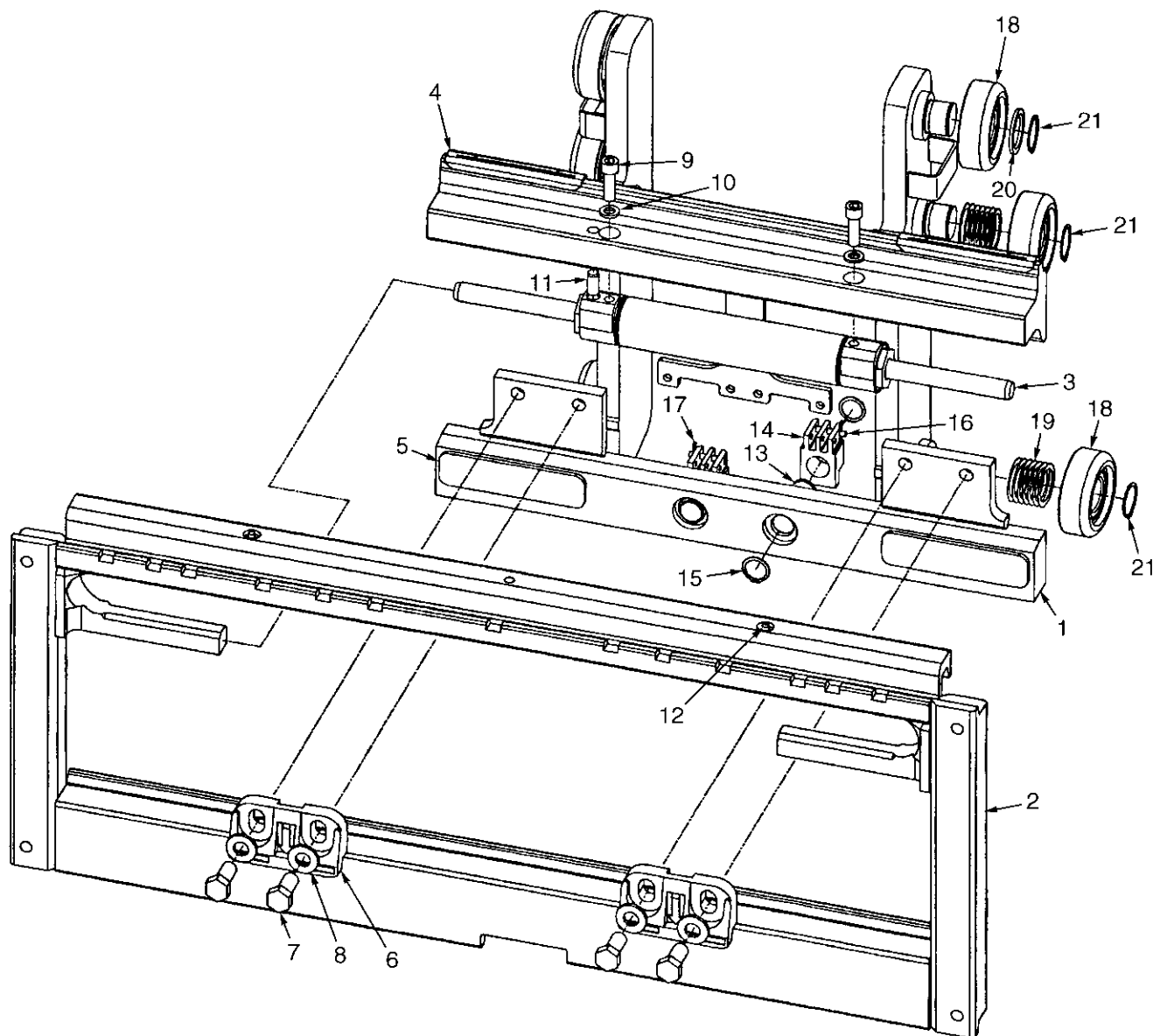


HP000533

**INTEGRAL SIDE-SHIFT CARRIAGE
TWO STAGE LIMITED FREE-LIFT****KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1486178	Side-Shift Carriage (38 in.)	1	..
	1486182	Side-Shift Carriage (42 in.)	1	..
	1486185	Side-Shift Carriage (48 in.)	1	..
	1486188	Side-Shift Carriage (38 in.)	..	1
	1486191	Side-Shift Carriage (42 in.)	..	1
	1486194	Side-Shift Carriage (48 in.)	..	1
1	1488998	Frame (38 in.) (Inner)	1	.
1	1489002	Frame (42 in., 48 in.) (Inner)	1	..
1	1488918	Frame (38 in.) (Inner)	..	1
1	1488967	Frame (42 in., 48 in.) (Inner)	..	1
2	1489010	Frame (38 in.) (Outer)	1	..
2	1489011	Frame (42 in.) (Outer)	1	..
2	1489012	Frame (48 in.) (Outer)	1	..
2	1488974	Frame (38 in.) (Outer)	..	1
2	1488975	Frame (42 in.) (Outer)	..	1
2	1488976	Frame (48 in.) (Outer)	..	1
3	2043528	Cylinder Assembly (☞ Figure 12-8)	1	..
3	2043529	Cylinder Assembly (☞ Figure 12-8)	..	1
4	2043531	Bearing (Upper) (38 in., 42 in., 48 in.)	2	..
4	2046243	Bearing (Upper) (Bronze) (Service Option)	2	..
4	2043532	Bearing (Upper) (38 in., 42 in., 48 in.)	..	2
4	2046245	Bearing (Upper) (Bronze) (Service Option)	..	2
5	2043533	Bearing (Lower) (38 in., 42 in., 48 in.)	2	..
5	2046244	Bearing (Lower) (Bronze) (Service Option)	2	..
5	2043534	Bearing (Lower) (38 in., 42 in., 48 in.)	..	2
5	2046246	Bearing (Lower) (Bronze) (Service Option)	..	2
6	2043530	Hook (Lower)	2	2
7	226458	Capscrew	4	4
8	296426	Washer (Hardened)	4	4
9	293646	Capscrew	2	2
10	1493304	Washer	2	2
11	302397	Pin	1	1
12	16041	Lube Fitting	2	2
13	1345219	Load Roller	6	6
14	12891	Snap Ring	6	6
15	1345263	Shim (0.020 in.)	28	28
16	366116	Spacer	6	6
17	1369345	Chain Anchor (Dual Hole)	2	..
17	1369344	Chain Anchor (Dual Hole)	..	2
17	1504009	Chain Anchor (Single Hole)	2	..
17	1504012	Chain Anchor (Single Hole)	..	2
18	1345352	Pin	2	2
18	317735	Pin (48 in.)	2	..
19	131358	Snap Ring	4	4
20	1514866	Pin	2	2
21	15211	Cotter Pin	2	2

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 12-6) TWO STAGE FULL FREE-LIFT

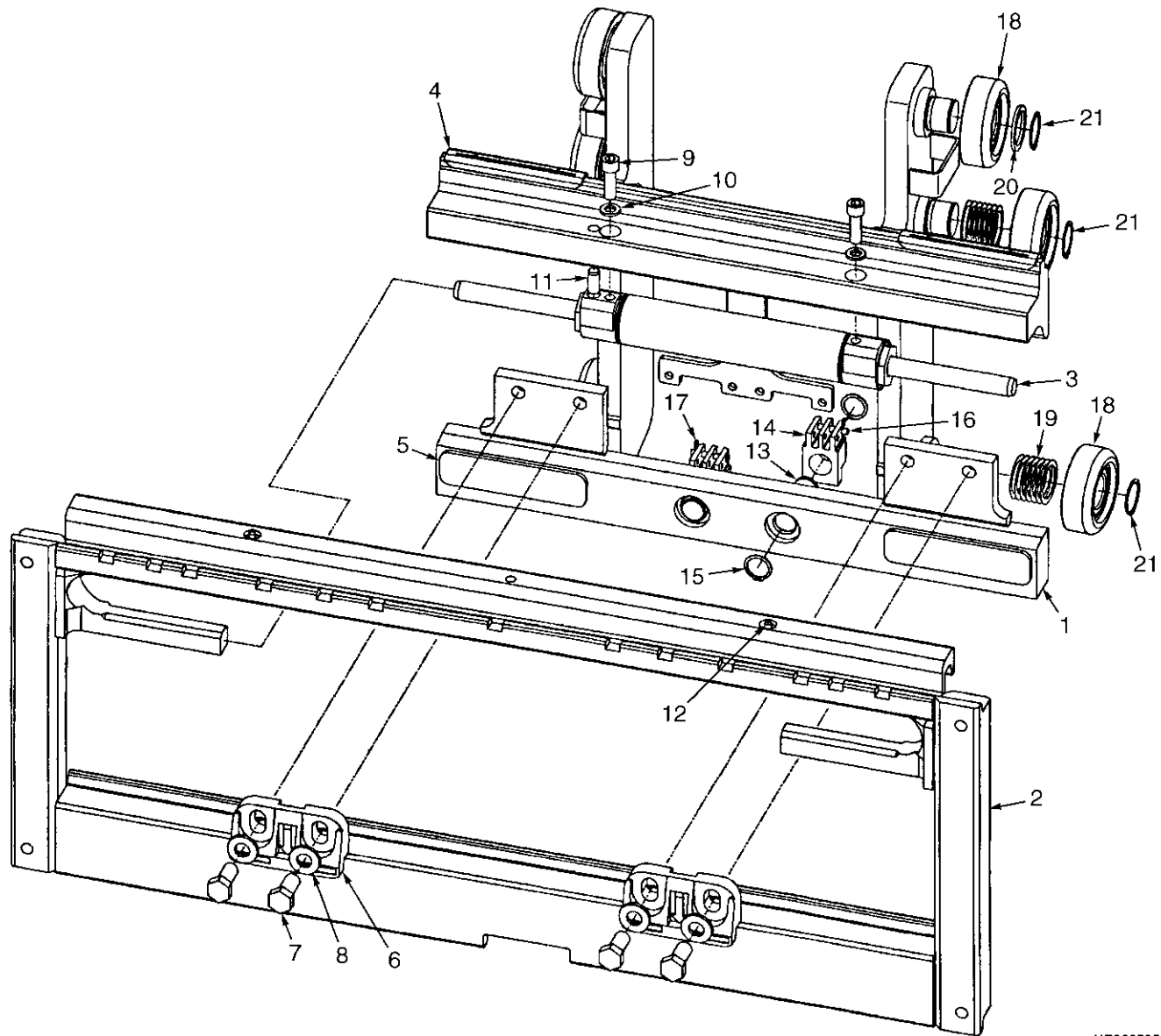


HP000534

**INTEGRAL SIDE-SHIFT CARRIAGE
TWO STAGE FULL FREE-LIFT****KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1486179	Side-Shift Carriage (38 in.)	1	..
	1486183	Side-Shift Carriage (42 in.)	1	..
	1486186	Side-Shift Carriage (48 in.)	1	..
	1486189	Side-Shift Carriage (38 in.)	..	1
	1486192	Side-Shift Carriage (42 in.)	..	1
	1486195	Side-Shift Carriage (48 in.)	..	1
1	1488965	Frame (38 in.) (Inner)	..	1
1	1488968	Frame (42 in., 48 in.) (Inner)	..	1
1	1488999	Frame (38 in.) (Inner)	1	..
1	1489003	Frame (42 in., 48 in.) (Inner)	1	..
2	1488974	Frame (38 in.) (Outer)	..	1
2	1488975	Frame (42 in.) (Outer)	..	1
2	1488976	Frame (48 in.) (Outer)	..	1
2	1489010	Frame (38 in.) (Outer)	1	..
2	1489011	Frame (42 in.) (Outer)	1	..
2	1489012	Frame (48 in.) (Outer)	1	..
3	2043528	Cylinder Assembly (☞ Figure 12-8)	1	..
3	2043529	Cylinder Assembly (☞ Figure 12-8)	..	1
4	2043531	Bearing (Upper) (38 in., 42 in., 48 in.)	2	..
4	2046243	Bearing (Upper) (Bronze) (Service Option)	2	..
4	2046244	Bearing (Lower) (Bronze) (Service Option)	2	..
4	2043532	Bearing (Upper) (38 in., 42 in., 48 in.)	..	2
4	2046245	Bearing (Upper) (Bronze) (Service Option)	..	2
4	2046246	Bearing (Lower) (Bronze) (Service Option)	..	2
5	2043533	Bearing (Lower) (38 in., 42 in., 48 in.)	2	..
5	2043534	Bearing (Lower) (38 in., 42 in., 48 in.)	..	2
6	2043530	Hook (Lower)	2	2
7	226458	Capscrew	4	2
8	296426	Washer (Hardened)	4	4
9	293646	Capscrew	2	2
10	1493304	Washer	2	2
11	302397	Pin	1	1
12	16041	Lube Fitting	2	2
13	317735	Pin	2	2
14	1369345	Chain Anchor (Dual Hole)	2	..
14	1369344	Chain Anchor (Dual Hole)	..	2
14	1504012	Chain Anchor (Single Hole)	..	2
14	1504010	Chain Anchor (Single Hole)	2	..
15	131358	Snap Ring	4	4
16	1514866	Pin	2	2
17	15211	Cotter Pin	2	2
18	1345219	Load Roller	6	6
19	1345263	Shim (0.020 in.)	28	28
20	366116	Spacer	6	6
21	12891	Snap Ring	6	6

INTEGRAL SIDE-SHIFT CARRIAGE (Figure 12-7) THREE STAGE FULL FREE-LIFT

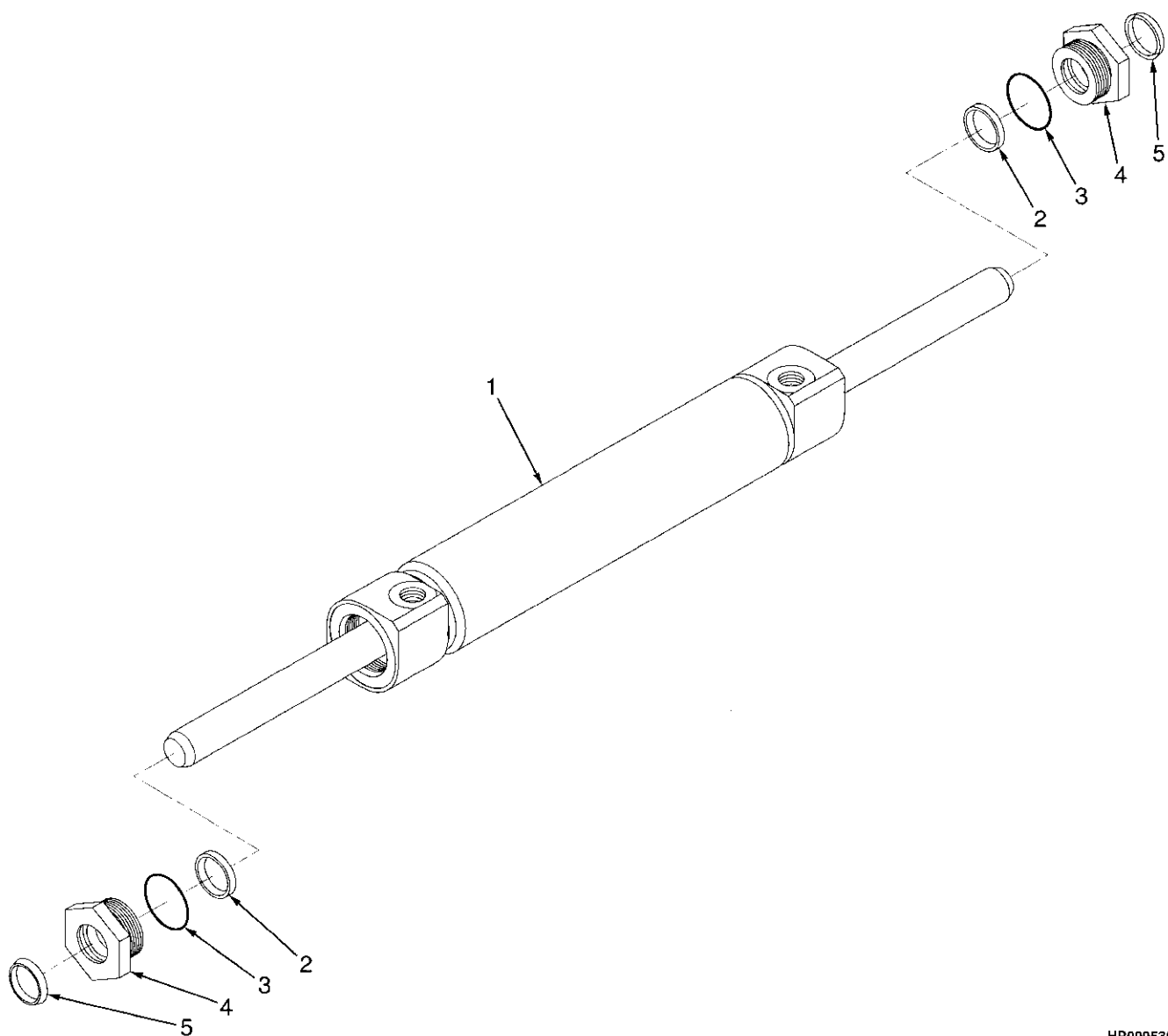


HP000535

**INTEGRAL SIDE-SHIFT CARRIAGE
THREE STAGE FULL FREE-LIFT****KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	1486180	Side-Shift Carriage (38 in.)	1	..
	1486184	Side-Shift Carriage (42 in.)	1	..
	1486187	Side-Shift Carriage (48 in.)	1	..
	1486190	Side-Shift Carriage (38 in.)	..	1
	1486193	Side-Shift Carriage (42 in.)	..	1
	1486196	Side-Shift Carriage (48 in.)	..	1
1	1488966	Frame (38 in.) (Inner)	..	1
1	1488969	Frame (42 in., 48 in.) (Inner)	..	1
1	1489000	Frame (38 in.) (Inner)	1	..
1	1489004	Frame (42 in., 48 in.) (Inner)	1	..
2	1488974	Frame (38 in.) (Outer)	..	1
2	1488975	Frame (42 in.) (Outer)	..	1
2	1488976	Frame (48 in.) (Outer)	..	1
2	1489010	Frame (38 in.) (Outer)	1	..
2	1489011	Frame (42 in.) (Outer)	1	..
2	1489012	Frame (48 in.) (Outer)	1	..
3	2043528	Cylinder Assembly (☞ Figure 12-8)	1	..
3	2043529	Cylinder Assembly (☞ Figure 12-8)	..	1
4	2043531	Bearing (Upper) (38 in., 42 in., 48 in.)	2	..
4	2046243	Bearing (Upper) (Bronze) (Service Option)	2	..
4	2043532	Bearing (Upper) (38 in., 42 in., 48 in.)	..	2
4	2046245	Bearing (Upper) (Bronze) (Service Option)	..	2
5	2043533	Bearing (Lower) (38 in., 42 in., 48 in.)	2	..
5	2046244	Bearing (Lower) (Bronze) (Service Option)	2	..
5	2043534	Bearing (Lower) (38 in., 42 in., 48 in.)	..	2
5	2046246	Bearing (Lower) (Bronze) (Service Option)	..	2
6	2043530	Hook (Lower)	2	2
7	226458	Capscrew	4	2
8	296426	Washer (Hardened)	4	4
9	293646	Capscrew	2	2
10	1493304	Washer	2	2
11	302397	Pin	1	1
12	16041	Lube Fitting	2	2
13	317735	Pin	2	2
14	1369345	Chain Anchor (Dual Hole)	2	..
14	1369344	Chain Anchor (Dual Hole)	..	2
14	1504012	Chain Anchor (Single Hole)	..	2
14	1504010	Chain Anchor (Single Hole)	2	..
15	131358	Snap Ring	4	4
16	1514866	Pin	2	2
17	15211	Cotter Pin	2	2
18	1333399	Load Roller	6	6
19	129387	Shim (0.020 in.)	28	28
20	366115	Spacer	6	6
21	58901	Snap Ring	6	6

INTEGRAL SIDE-SHIFT CYLINDER (Figure 12-8)

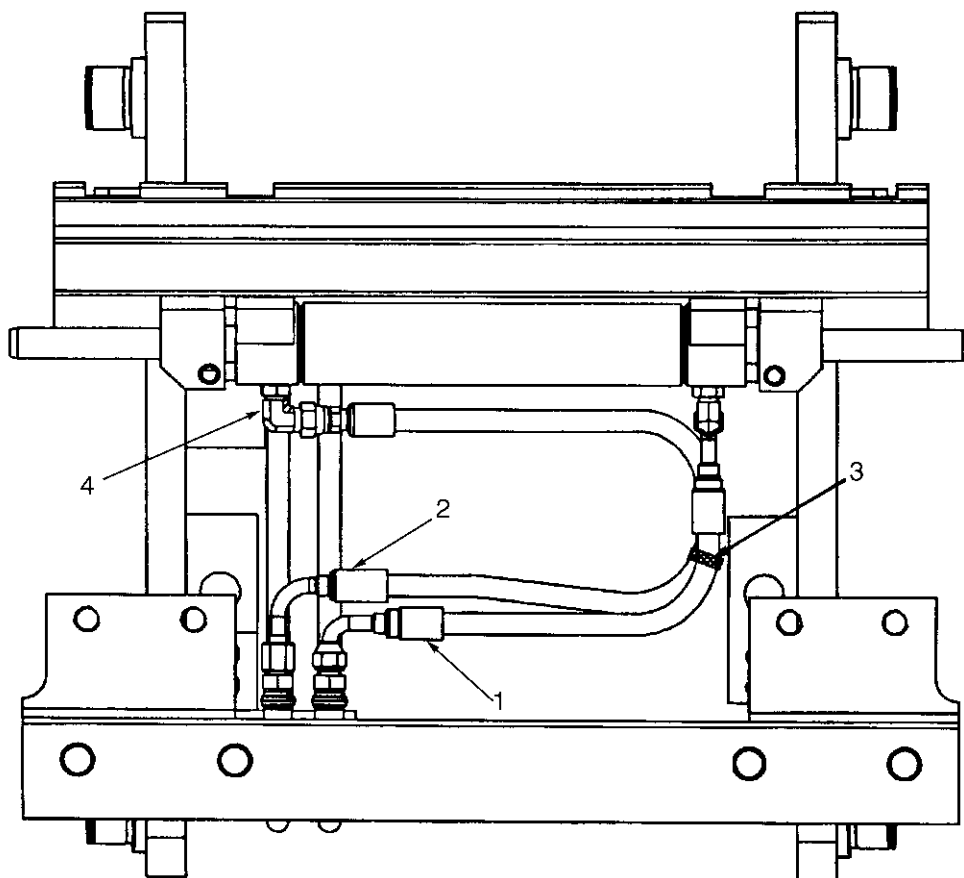


HP000536

INTEGRAL SIDE-SHIFT CYLINDER**KEY:****A: H45-55XM****B: H60-65XM**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
	2043528	Cylinder Assembly	1	..
	2043529	Cylinder Assembly	..	1
1	1489016	Cylinder	1	..
1	1489017	Cylinder	..	1
2	1489037	Rod Seal.....	2	2
3	1489035	O-Ring	2	2
4	1498325	Retainer.....	2	2
5	1489039	Rod Wiper	2	2
	1503096	Seal Kit (Includes Items 2-3, 5)	1	1

INTEGRAL SIDE-SHIFT (Figure 12-9) HYDRAULIC HOSES TWO STAGE LIMITED FREE-LIFT



BP000004

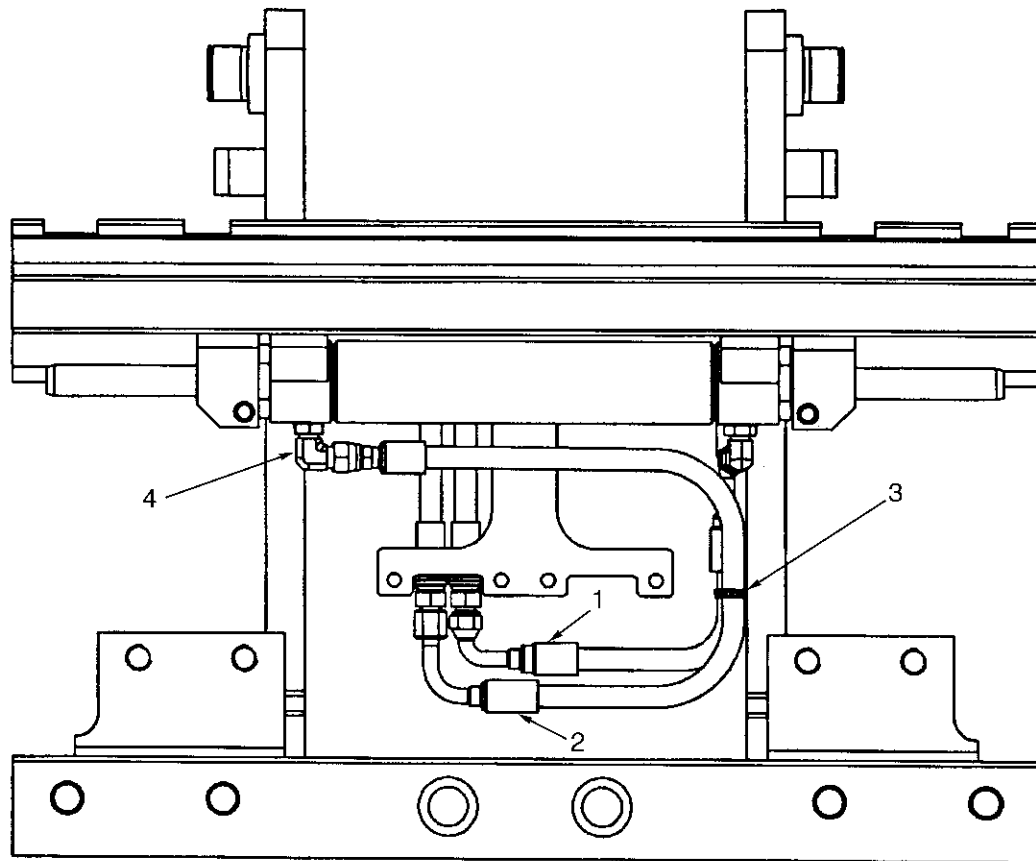
KEY:

A: H45-55XM (B507)

B: H60-65XM (B562)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1503478	Hose	1	..
1	1503479	Hose	..	1
2	1503476	Hose	1	..
2	1489034	Hose	..	1
3	114312	Strap Clamp.....	1	1
4	16558	Fitting.....	2	2
4	16483	O-Ring	1	1

INTEGRAL SIDE-SHIFT (Figure 12-10) **HYDRAULIC HOSES** **TWO STAGE FULL FREE-LIFT**

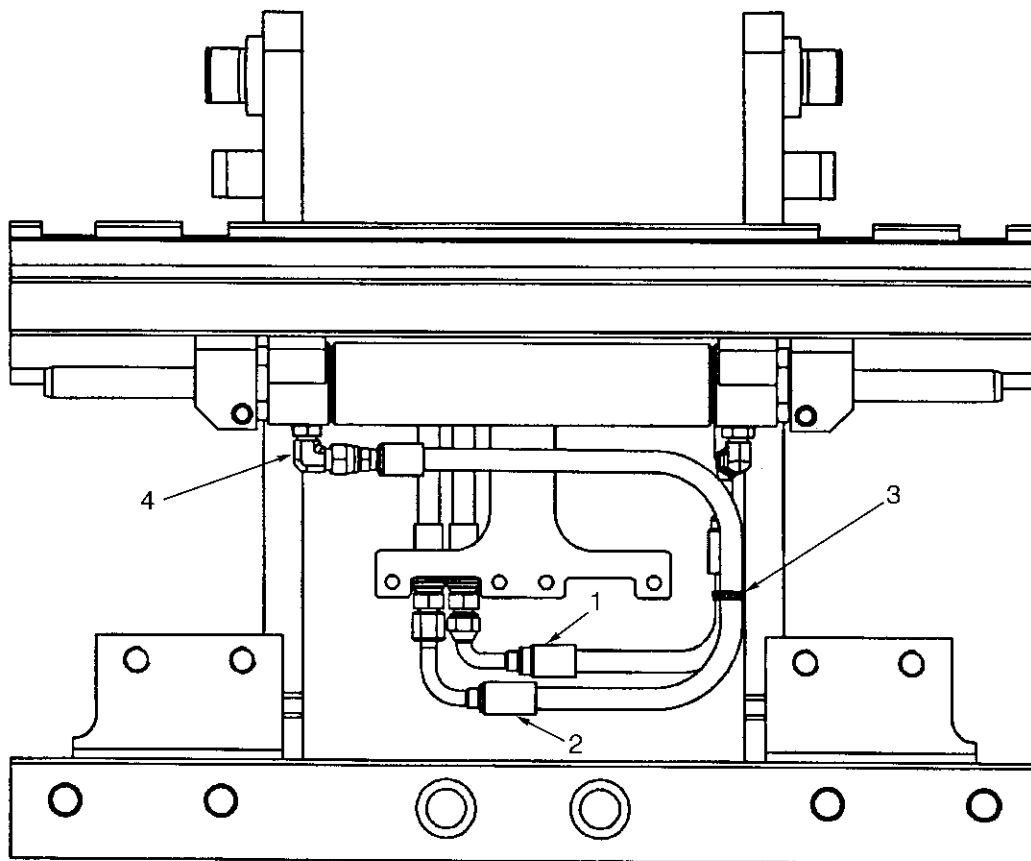


BP000003

KEY:**A: H45-55XM (B509)****B: H60-65XM (B564)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1503481	Hose	1	..
1	1503482	Hose	..	1
2	1489050	Hose	1	..
2	1503476	Hose	..	1
3	114312	Strap Clamp.....	1	1
4	16558	Fitting.....	2	2
4	16483	O-Ring	1	1

INTEGRAL SIDE-SHIFT (Figure 12-11) HYDRAULIC HOSES THREE STAGE FULL FREE-LIFT



BP000003

KEY:

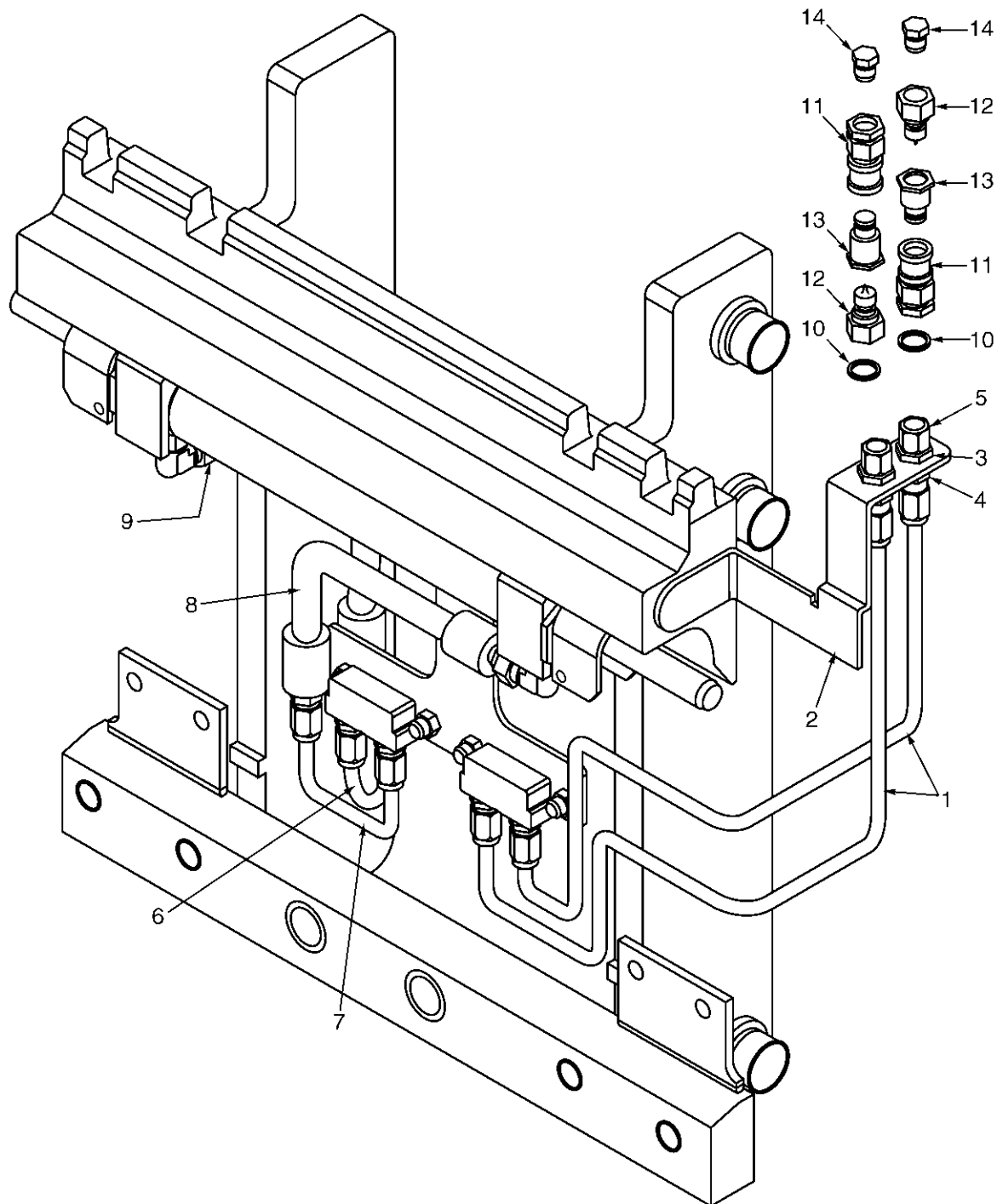
A: H45-55XM (B508)

B: H60-65XM (B563)

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1503481	Hose	1	..
1	1503482	Hose	..	1
2	1503474	Hose	1	..
2	1503476	Hose	..	1
3	114312	Strap Clamp.....	1	1
4	16558	Fitting.....	2	2
4	16483	O-Ring	1	1

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AUXILIARY TUBES (Figure 12-12) TWO AND THREE STAGE FULL FREE-LIFT FOUR FUNCTION GROUP

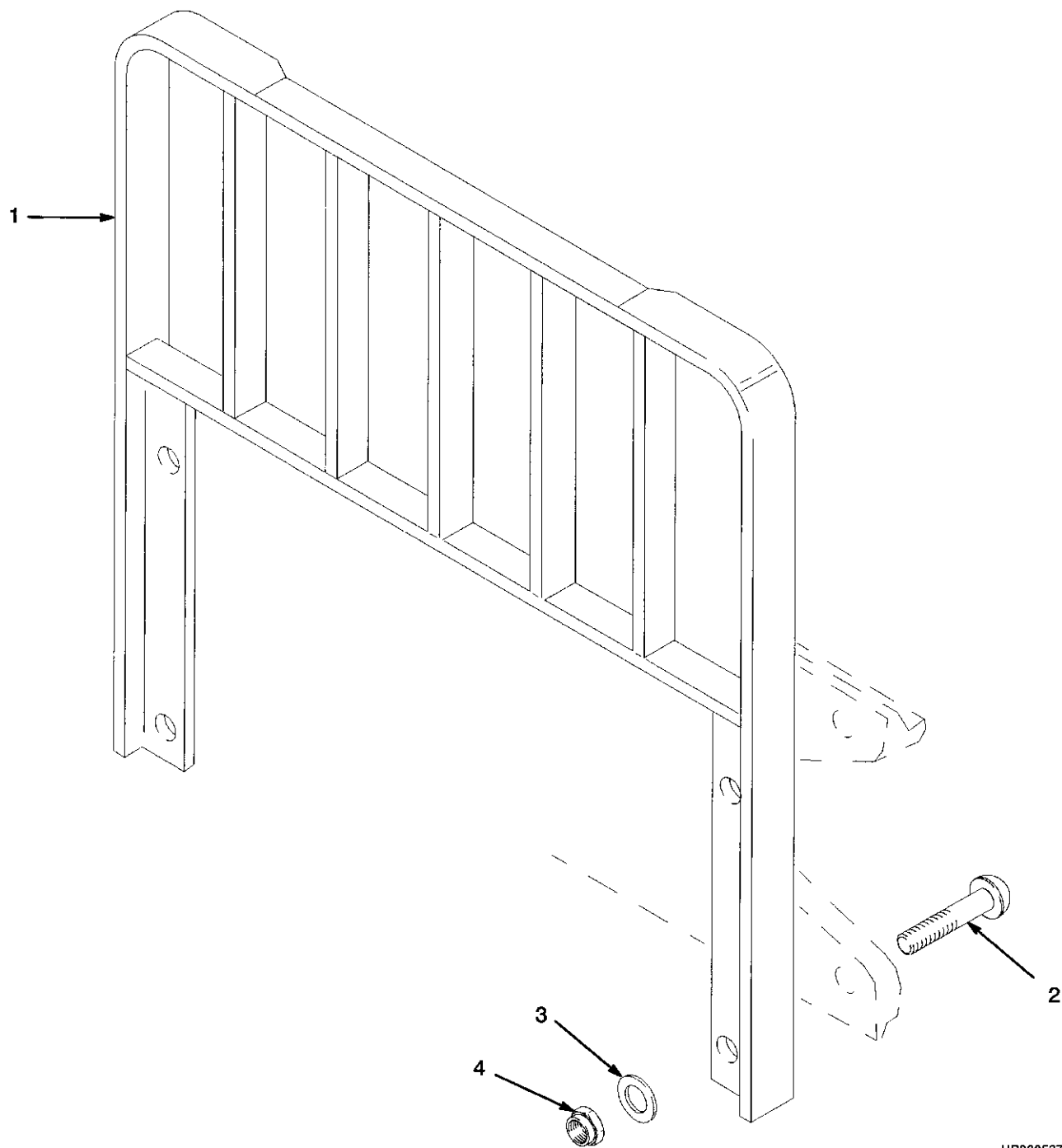


BP000076

AUXILIARY TUBES TWO AND THREE STAGE FULL FREE-LIFT FOUR FUNCTION GROUP

ITEM	PART NO.	DESCRIPTION	QTY
	1518233	Kit	1
	1518234	Kit	1
	1518236	Kit	1
	1518237	Kit	1
	1518239	Kit	1
	1518241	Kit	1
	1518992	Kit	1
1	1517448	Tube Assembly	1
1	1517449	Tube Assembly	1
1	1518249	Tube Assembly	1
1	1518250	Tube Assembly	1
1	1518251	Tube Assembly	1
1	1518252	Tube Assembly	1
1	1518253	Tube Assembly	1
1	1518254	Tube Assembly	1
1	1517452	Tube Assembly (Three Stage Full Free-Lift)	1
1	1517453	Tube Assembly (Three Stage Full Free-Lift)	1
2	1517441	Tube Extension Bracket.....	1
3	16447	Fitting.....	2
4	14760	Nut.....	2
5	16693	Fitting.....	2
6	1381765	Tube Assembly	1
7	1381766	Tube Assembly	1
8	1390365	Hose	1
9	1390366	Hose	2
10	16483	O-Ring	2
11	1483663	Quick Disconnect	2
12	1483664	Quick Disconnect Nipple	2
13	1483661	Dust Cap	2
14	16933	Fitting.....	2
	1518219	Quick Disconnect Kit (Includes Items 10-14)	2

LOAD BACKREST EXTENSION (Figure 12-13) 48 INCH (1220 MM)



HP000537

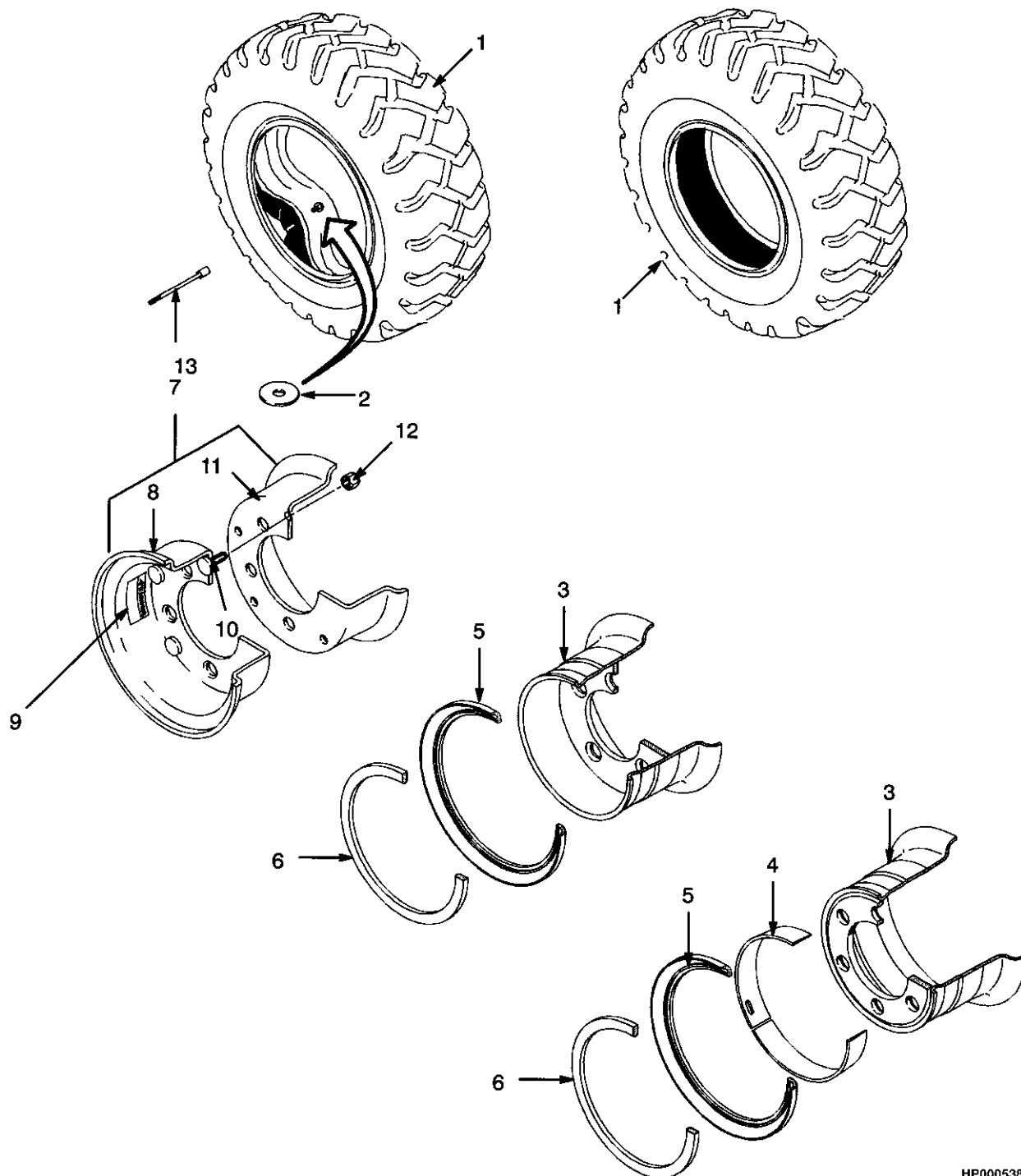
LOAD BACKREST EXTENSION
48 INCH (1220 MM)

ITEM	PART NO.	DESCRIPTION	QTY
1	1376338	Load Backrest Extension (48 in.).....	1
2	1343990	Capscrew.....	4
3	221771	Washer	4
3	296423	Washer (Optional).....	4
4	300937	Nut	4

TIRE AND WHEEL (Figure 12-14)

DRIVE WHEEL

SHEET 1 OF 2



HP000538

TIRE AND WHEEL DRIVE WHEEL SHEET 1 OF 2

KEY:**A: H45-50XM (Single 7.00 x 12)****B: H45-55XM (Wide 7.00 x 12)****C: H45-65XM (Dual 7.00 x 12)**

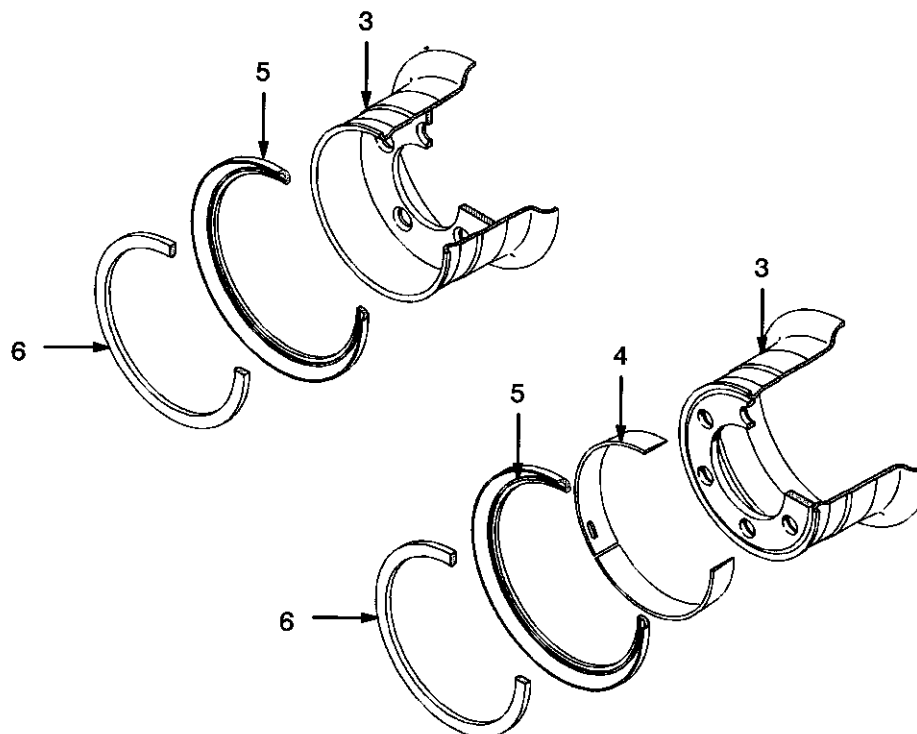
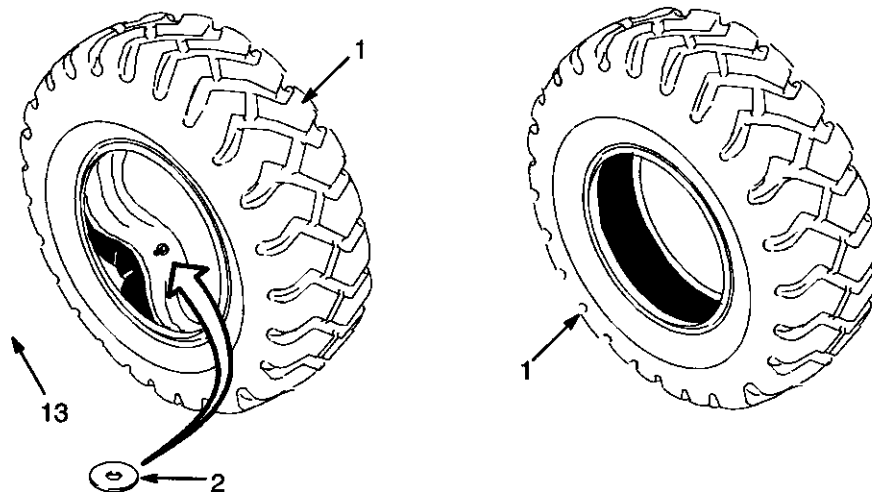
ITEM	PART NO.	DESCRIPTION	QTY		
			A	B	C
1	336087	Tire (Solid Soft Ride)	2	2	..
1	1511318	Tire and Wheel Assembly (Solid Pneumatic)	2	..	..
1	1511320	Tire and Wheel Assembly (Solid Pneumatic)	..	2	..
1	174209	Tire (Solid Standard Hardness)	2	2	4
1	1511319	Tire and Wheel Assembly (7.00 x 12) (12 PR)	..	2	..
1	130619	Tire Assembly (Bias)	4	4	4
1	45736	Tire (With Flap)	1	1	1
1	45737	Tube	1	1	1
1	1337743	Tire Assembly (Radial)	2	2	4
1	1358179	Tire	1	1	1
1	1358190	Tube	1	1	1
2	b 1376007	Washer (Valve Stem)	2	2	4
2	1511910	Tire and Wheel Assembly (Radial)	..	2	..
3	ab 1347190	Wheel Assembly (5.00 x 12)	2	..	4
3	ab 329064	Wheel Assembly	..	2	..
4	a 806556	Shoulder Ring	1	1	1
5	a 161890	Side Ring	1	1	1
6	a 161889	Locking Ring	1	1	1
7	377846	Wheel Assembly (Two Piece)	2	..	4
8	377844	Wheel	1	..	1
9	288638	Label (Warning)	2	..	2
10	377841	Bolt	6	..	6
11	377845	Wheel	1	..	1
12	53163	Nut	6	..	6
13	326477	Valve Stem (Extension)	..	..	1

FOOTNOTES:**a** Four Piece Design (Required for Bergougnan Tire)**b** Required on Radial Tire

TIRE AND WHEEL (Figure 12-15)

DRIVE WHEEL

SHEET 2 OF 2



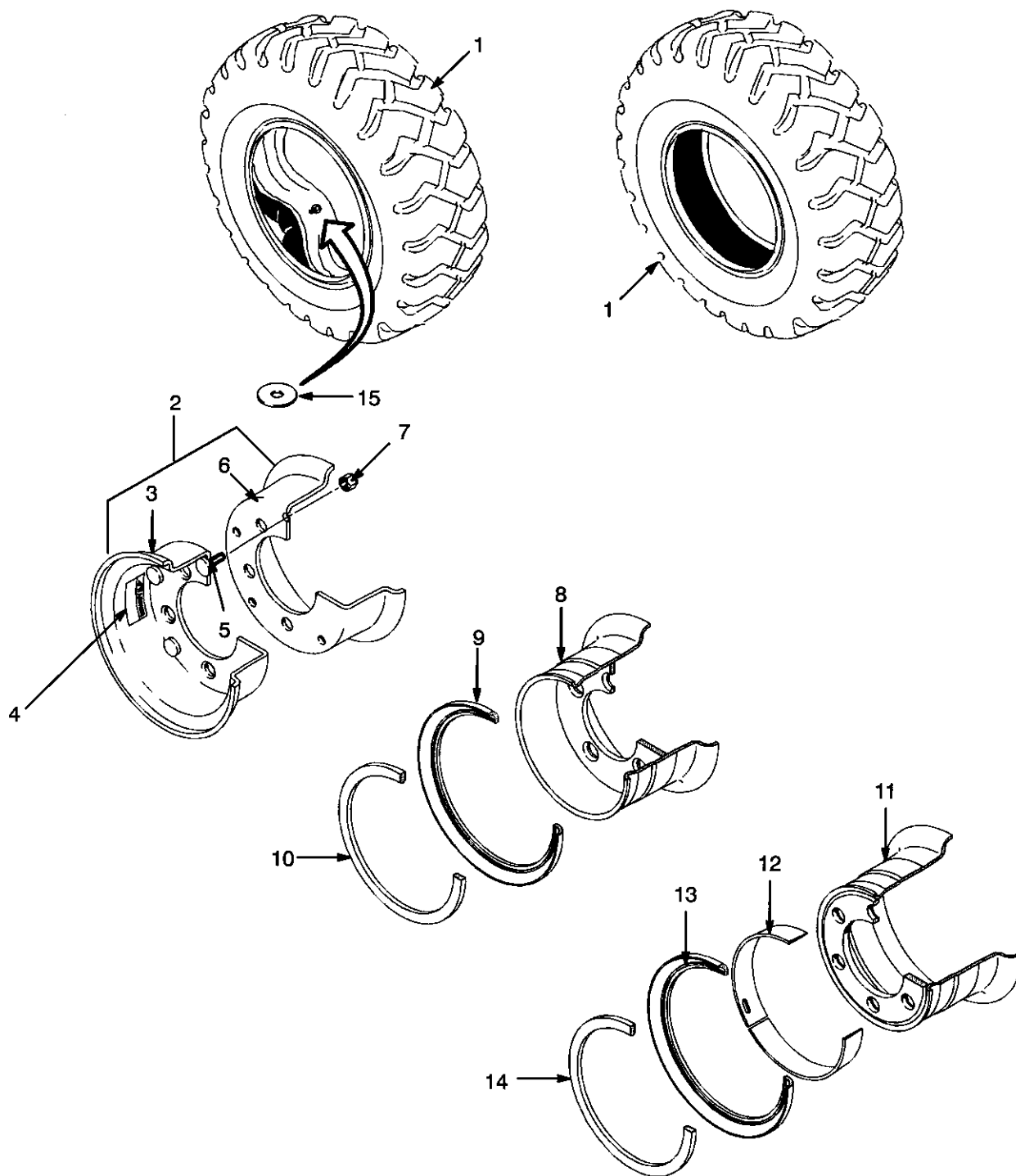
HP000539

**TIRE AND WHEEL
DRIVE WHEEL
SHEET 2 OF 2****KEY:****A: H45-65XM (Single 28 x 9-15)****B: H45-65XM (Wide 28 x 9-15)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	336094	Tire (Solid Soft Ride)	2	2
1	1511894	Tire and Wheel Assembly (Solid Standard Harness)	..	2
1	174211	Tire (Solid Standard Hardness).....	2	2
1	1511890	Tire and Wheel Assembly (12 PR) (Pneumatic)	..	2
1	1511891	Tire and Wheel Assembly (12 PR) (Pneumatic)	..	2
1	145096	Tire Assembly (Bias)	2	2
1	145097	Tire Assembly.....	1	1
1	145157	Tube.....	1	1
1	1511912	Tire and Wheel Assembly (225/75 R15) (Radial)	..	2
1	1357300	Tire Assembly (Radial)	2	2
1	1358183	Tire (Radial)	1	1
1	1358194	Tube (Radial).....	1	1
2	b 1376007	Washer (Valve Stem)	2	2
3	a 1334813	Wheel Assembly (7.00 x 15).....	2	..
3	c 1334815	Wheel Assembly (7.00 x 15).....	2	..
3	a 381002	Wheel Assembly (7.00 x 15).....	..	2
3	c 381004	Wheel Assembly (7.00 x 15).....	..	2
4	c 806557	Shoulder Ring.....	1	1
5	a 160653	Side Ring.....	1	1
5	c 322637	Side Ring.....	1	1
6	c 322638	Lock Ring	1	1
6	a 980542	Lock Ring	1	1

FOOTNOTES:**a** 4 Piece Design (Required for Bergougan Tire)**b** Required on Radial Tire**c** Three Piece Design

TIRE AND WHEEL (Figure 12-16) STEER WHEEL



HP000540

**TIRE AND WHEEL
STEER WHEEL****KEY:****A: H45-50XM (6.00 x 9)****B: H55-65XM (6.50 x 10)**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	c 174208	Tire (Solid)	..	2
1	c 195417	Tire (Solid)	2	..
1	d 306209	Tire Assembly	2	..
1	d 29588	Tire	1	..
1	d 306200	Tube.....	1	..
1	d 137138	Tire Assembly	..	2
1	d 137139	Tire	..	1
1	d 135920	Tube.....	..	1
1	a 1367440	Tire Assembly	2	..
1	a 1367444	Tire	1	..
1	a 306200	Tube.....	1	..
1	a 1367441	Tire Assembly	..	2
1	a 1367445	Tire	..	1
1	a 135920	Tube.....	..	1
1	b 1357302	Tire Assembly	2	..
1	b 1358177	Tire	1	..
1	b 1358188	Tube.....	1	..
1	b 1337746	Tire Assembly	..	2
1	b 1358178	Tire	..	1
1	b 1358189	Tube.....	..	1
2	ad 236437	Wheel Assembly	..	2
2	ad 61220	Wheel Assembly	2	..
3	ad 135915	Wheel	..	1
3	ad 60948	Wheel	1	..
4	ad 288638	Label (Warning).....	2	2
5	ad 135917	Stud	..	10
5	ad 377841	Bolt	5	..
6	ad 291912	Wheel	1	..
6	ad 291915	Wheel	..	1
7	ad 221355	Nut.....	..	10
7	ad 53163	Nut.....	5	..
8	bc 323594	Wheel Assembly	..	2
9	bc 323599	Side Ring.....	..	1
10	bc 323598	Lock Ring	..	1
11	ad 1360932	Wheel Assembly	..	2
11	bc 345897	Wheel Assembly	..	2
11	bc 359340	Wheel Assembly	2	..
12	bc 359341	Shoulder Ring.....	1	..
12	abcd 806555	Shoulder Ring.....	..	1
13	bc 161885	Side Ring.....	1	..
13	ad 161895	Side Ring.....	..	1
14	bc 161884	Locking Ring.....	1	..

TIRE AND WHEEL STEER WHEEL

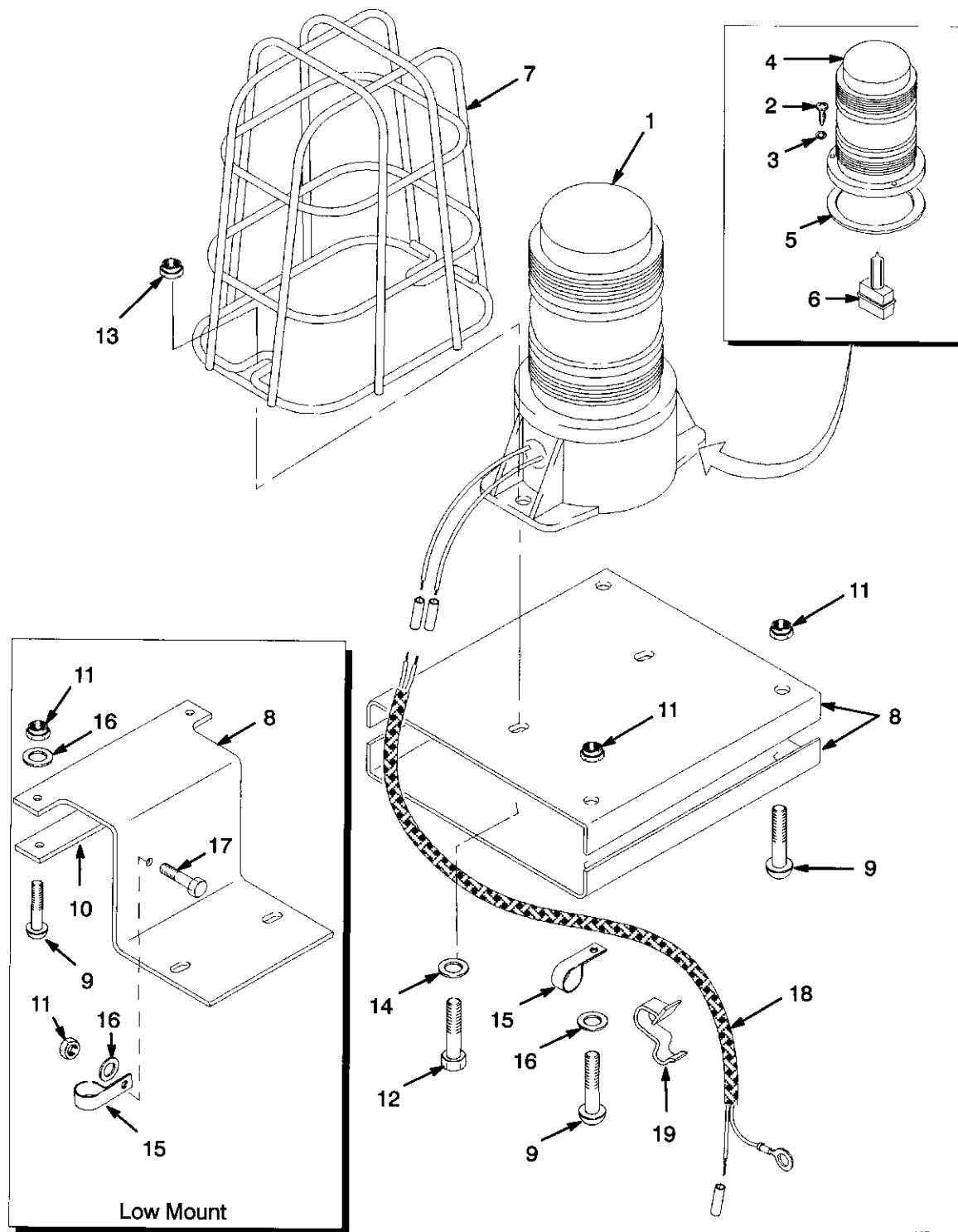
ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
14	ad 161894	Locking Ring.....	..	1
15	b 1376007	Washer (Valve Stem).....	..	1

FOOTNOTES:

- a** Premium
- b** Radial
- c** Solid
- d** Standard

[illegible]

STROBE LIGHT (Figure 12-17)

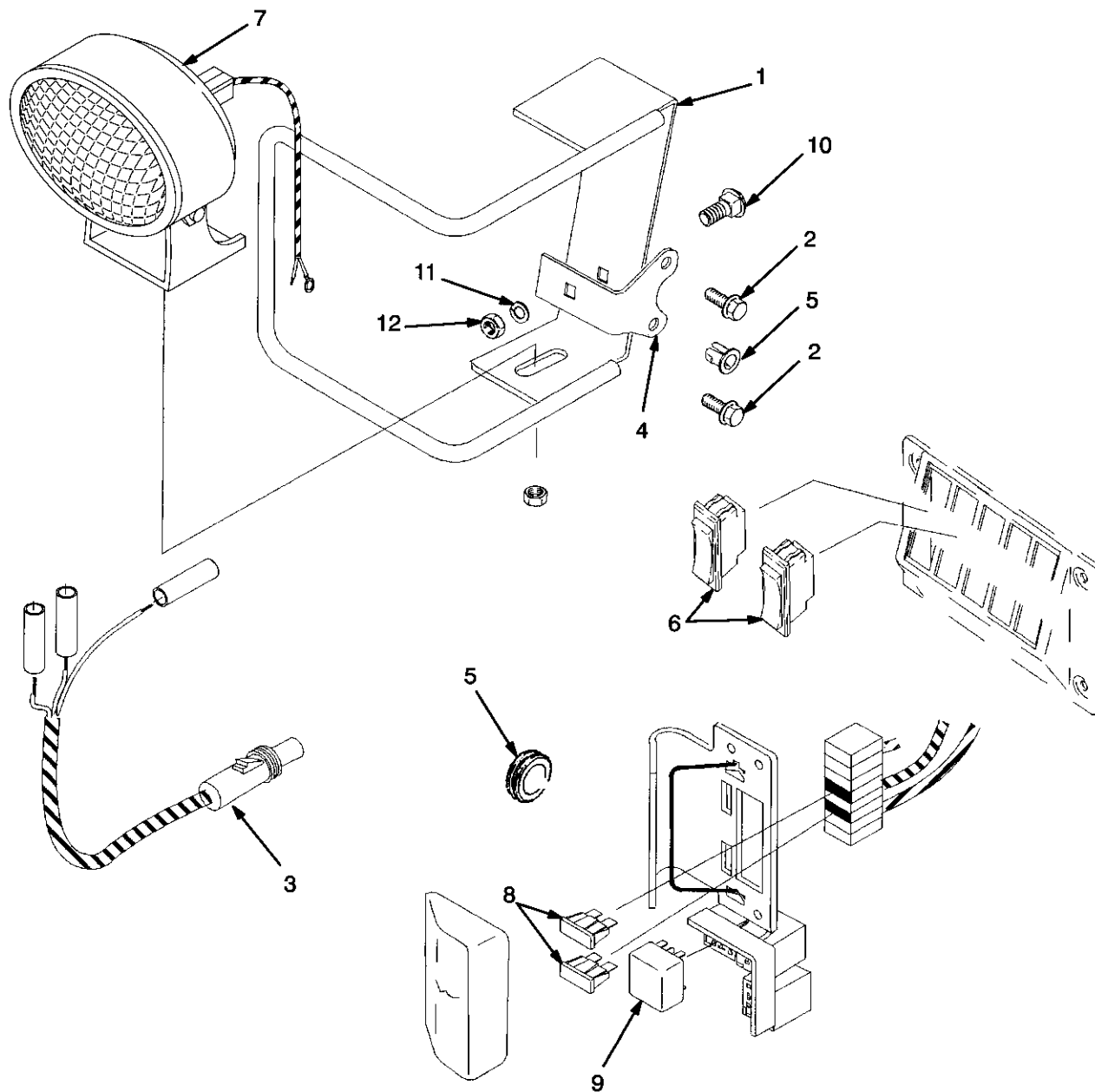


HP000541

STROBE LIGHT**KEY:****A: Low Mount****B: High Mount**

ITEM	PART NO.	DESCRIPTION	QTY	
			A	B
1	1382130	Strobe Light	1	1
1	1385522	Rotating Beacon (Optional)	1	1
2	227132	Screw	3	3
3	15855	O-Ring	3	3
4	1526082	Lens (Amber)	1	1
5	39359	O-Ring	1	1
6	1309775	Bulb	1	1
7	1302024	Guard	1	1
8	1356342	Bracket	..	1
8	1356541	Bracket	1	..
9	302054	Screw	2	4
10	1356540	Bar	1	..
11	313805	Nut	3	4
12	220498	Screw	2	2
13	230882	Nut	2	2
14	197067	Washer	2	2
15	164488	Clamp	1	1
16	320156	Washer	3	1
17	302047	Screw	1	..
18	1356543	Wire Harness	1	1
19	1301727	Clamp	4	4

DRIVE AND REAR LIGHT (Figure 12-18)



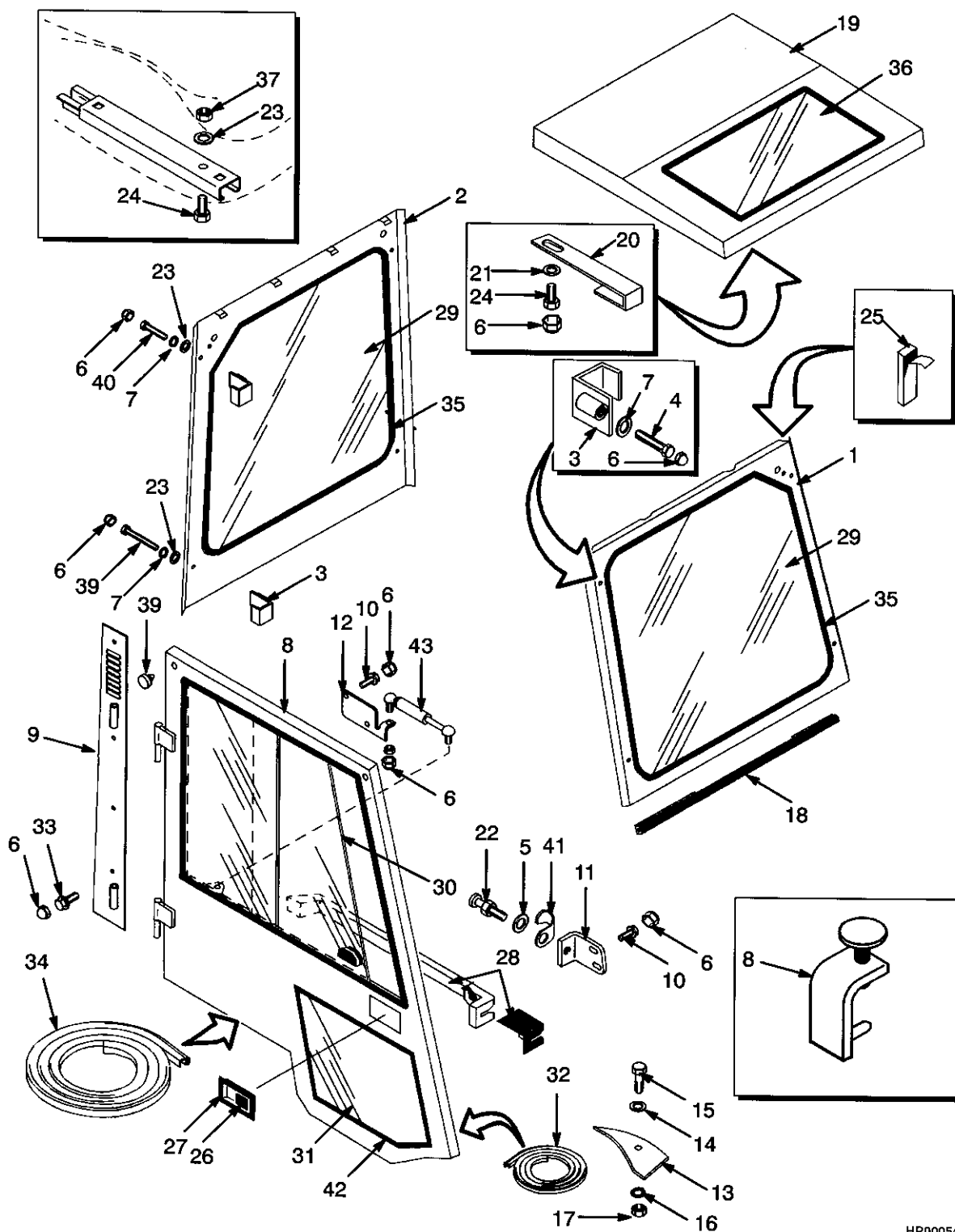
HP000783

DRIVE AND REAR LIGHT

ITEM	PART NO.	DESCRIPTION	QTY
1	1375171	Bracket (RH)	1
1	1375172	Bracket (LH).....	1
1	1376579	Bracket (Rear)	1
2	329067	Screw.....	6
2	296360	Washer	3
3	1356328	Wire Harness.....	2
4	1375169	Bracket.....	3
4	878138	Bracket (Used with Cab Option)	3
5	1367645	Grommet.....	5
6	1301160	Switch	2
6	1301156	Lens.....	1
7	a 1356332	Head Light Assembly.....	3
7	1354119	Headlight	1
7	1363016	Flood Lens	1
7	1379799	Bulb.....	1
7	1324308	Electrical Fitting	1
7	1324307	Electrical Fitting	1
7	148606	Terminal.....	1
7	67470	Conduit (Non Metallic).....	1
7		Nut.....	3
7	332755	Washer	3
7	b 1536380	Headlight Assembly	3
7	1531981	Headlight	1
7	1544764	Bulb.....	1
7	148606	Terminal.....	1
7	1324308	Electrical Fitting	1
7	1324307	Electrical Fitting	1
8	1310630	Fuse (15 Amp)	2
9	1347114	Relay.....	2
10	1375168	Bolt	3
11	296418	Washer	3
12	316835	Nut	3

FOOTNOTES:**a** ⇒ S/N H177B-41493A**b** S/N H177B-41494A ⇒

CAB KIT (Figure 12-19) WITH DOOR MOUNTED AGAINST OUT-BORD SIDE OF OVERHEAD GUARD



HP000543

CAB KIT

WITH DOOR MOUNTED AGAINST OUT-BOARD SIDE OF OVERHEAD GUARD

ITEM	PART NO.	DESCRIPTION	QTY
1	1393168	Panel (Front)	1
2	1393169	Panel (Rear)	1
3	878133	Clamp	4
4	1393167	Screw	4
5	878907	Washer	2
6	1365296	Cap	4
6	1365296	Cap	18
7	320157	Washer	4
8	1366619	Hook (Front)	4
8	1369474	Hook (Rear)	4
8	878226	Door Assembly (RH)	1
8	878227	Door Assembly (LH)	1
9	878146	Mounting Plate (Door RH)	1
9	878149	Mounting Plate (Door LH)	1
10	1366624	Screw	6
11	878903	Plate (RH)	1
11	878904	Plate (LH)	1
12	878091	Plate (RH)	1
12	878092	Plate (LH)	1
13	1359509	Panel (RH)	1
13	1359510	Panel (LH)	1
14	1368957	Spacer	2
15	292509	Capscrew	2
16	320157	Washer	2
17	316835	Nut	2
18	1460936	Strip	AR
19	1368965	Panel (Top) (Standard Height)	1
19	1368966	Panel (Top) (Raised Height)	1
20	1366632	Bracket	4
21	320157	Washer	4
22	878908	Pin	2
23	292681	Lockwasher	4
23	292681	Lockwasher	5
24	136681	Capscrew	1
24	136681	Capscrew	4
25	1365290	Seal	AR
26	878491	Lock Assembly (LH)	1
26	1450744	Lever	1
26	1367111	Key	4
27	878490	Lock (RH)	1
27	878906	Lock Plate	2
28	1374066	Grip (LH)	1
28	878143	Grip (RH)	1
29	1369471	Windshield (Front)	1
29	1369472	Windshield (Rear)	1
30	1369425	Window (RH)	1
30	1369427	Window (LH)	1
30	1377274	Latch	1
31	1369426	Window (Bottom RH)	1
31	1369428	Window (Bottom LH)	1
32	878148	Seal (Door)	2

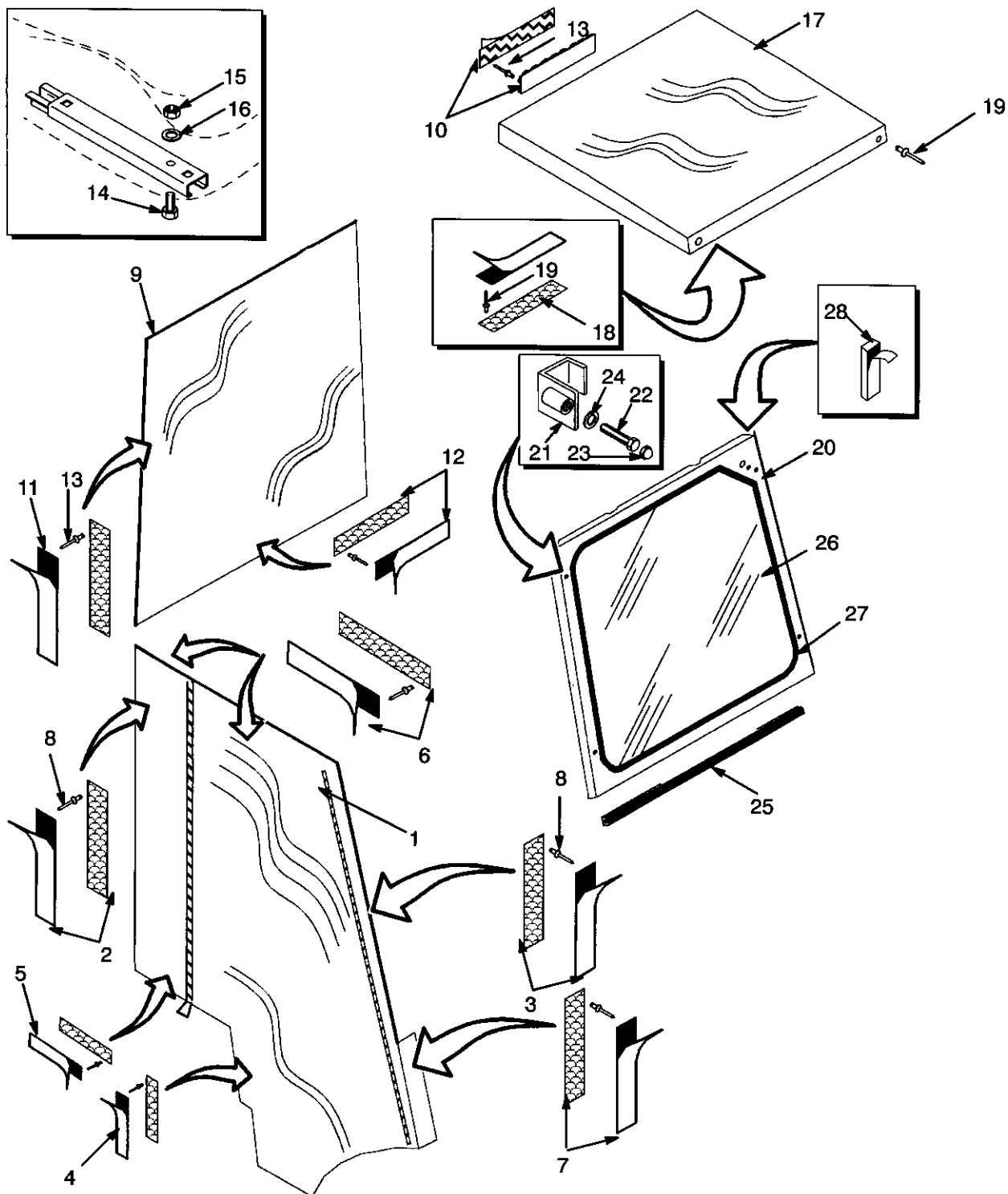
CAB KIT

WITH DOOR MOUNTED AGAINST OUT-BOARD SIDE OF OVERHEAD GUARD

ITEM	PART NO.	DESCRIPTION	QTY
33	1366624	Screw.....	18
34	878233	Rubber Pad (18 feet each).....	AR
35	1365290	Seal	AR
36	1366627	Screen	1
37	239503	Nut	1
38	1367639	Grommet.....	4
39	1334820	Capscrew.....	2
40	346656	Capscrew.....	2
41	878909	Hook	2
42	1382056	Seal (by the foot)	AR
43	1366618	Gas Spring.....	2
	895972	Panel Kit (Front) (Includes Items 1, 3-4, 6-7, 18, 25, 29, 35).....	1
	895973	Panel Kit (Rear) (Includes Items 2-3, 6-7, 23-25, 29, 35, 37, 39-40).....	1
	895974	Door Kit (Includes Items 5-17, 22, 26-28, 30-34, 38, 41-43)	1
	1356410	Overhead Guard Kit (Includes Items 6, 19-21, 23-24, 36).....	1
	1356411	Overhead Guard Kit (Includes Items 6, 19-21, 23-24, 36).....	1

[illegible]

CAB KIT (Figure 12-20) PVC



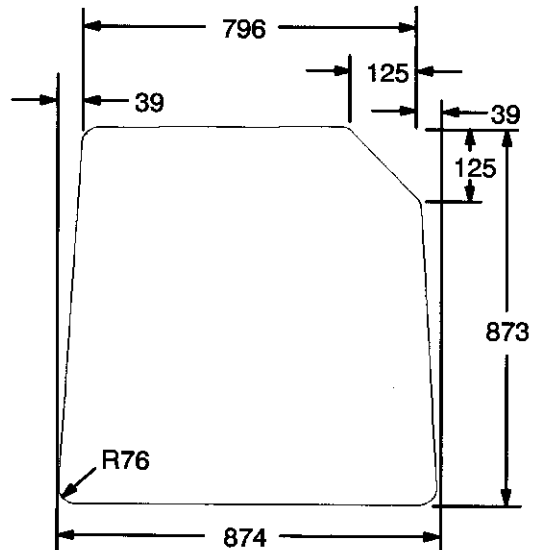
HP000544

**CAB KIT
PVC**

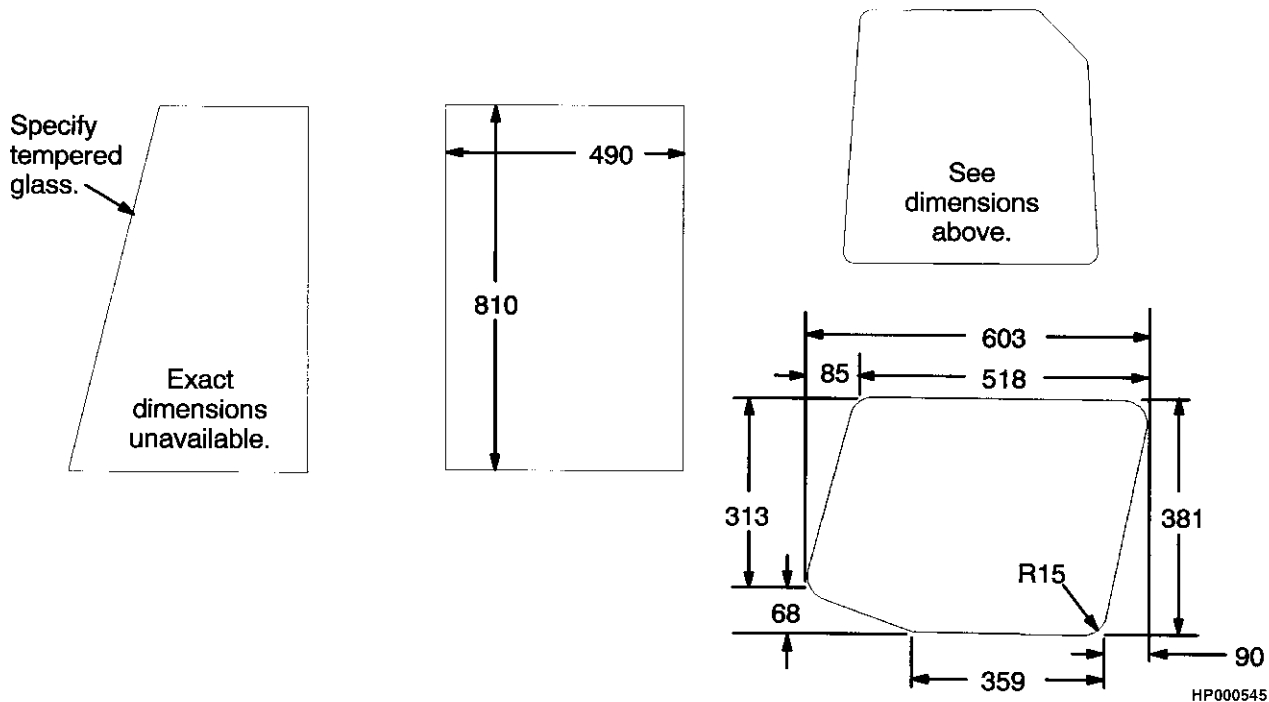
ITEM	PART NO.	DESCRIPTION	QTY
	1356412	Door Kit.....	2
1	1366625	Panel (RH).....	1
1	1366626	Panel (LH)	1
2	1374068	Strip (40 mm x 900 mm).....	1
3	1374072	Strip (20 mm x 1350 mm).....	1
4	1374071	Strip (40 mm x 100 mm).....	1
5	1374070	Strip (40 mm x 200 mm).....	1
6	1374069	Strip (20 mm x 1229 mm).....	1
7	1374073	Strip (40 mm x 410 mm).....	1
8	1374074	Rivet	12
9	1356511	Panel Kit (Rear)	1
10	1374076	Strip (40 mm x 888 mm).....	1
11	1374077	Strip (40 mm x 1125 mm).....	1
12	1374070	Strip (40 mm x 200 mm).....	1
13	1374074	Rivet	8
14	136681	Capscrew	1
15	239503	Nut.....	1
16	292681	Lockwasher	1
17	1356509	Overhead Guard Kit (Standard).....	1
17	1356510	Overhead Guard Kit (Raised)	1
18	1374075	Strip (40 mm x 1010 mm).....	1
19	1374074	Rivet	2
20	895972	Panel Kit (Front).....	1
20	1393168	Panel (Front).....	1
21	878133	Clamp	4
22	1393167	Screw	4
23	1365296	Cap.....	4
24	320157	Washer	4
25	1460936	Strip.....	1
26	1369471	Windshield (Front)	1
27	1365292	Seal Strip.....	1
28	1365290	Seal	1

WINDOWS (Figure 12-21) CAB

FRONT GLASS IS TO BE 5.9-7.5 mm THICK SAFETY GLASS OR GREEN TINTED SAFETY GLASS PER ANSI Z26.1 WITH ALL EDGES TO BE GROUND PER SAE J673b



REAR AND SIDE GLASS IS TO BE 5.6-6.5 mm THICK SAFETY GLASS OR GREEN TINTED SAFETY GLASS PER ANSI Z26.1 WITH ALL EDGES TO BE GROUND PER SAE J673b



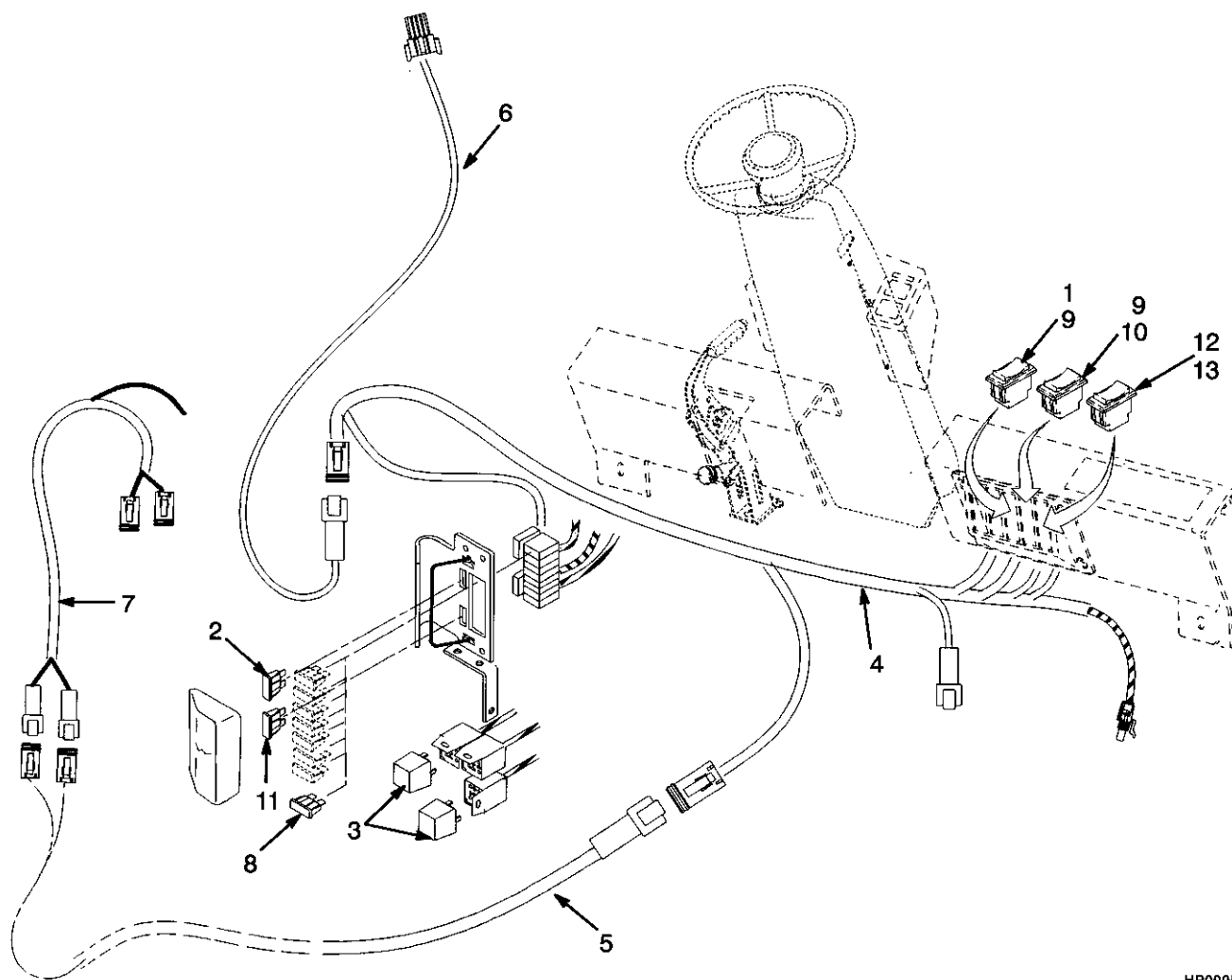
**WINDOWS
CAB**

ITEM	PART NO.	DESCRIPTION	QTY
		Safety Glass	..
ab		Screen	1

FOOTNOTES:

- a** 6 mm Thick Scratch-Resistant-Coated Polycarbonate
b Not Illustrated

WIRE HARNESS (Figure 12-22) ROUTING CAB

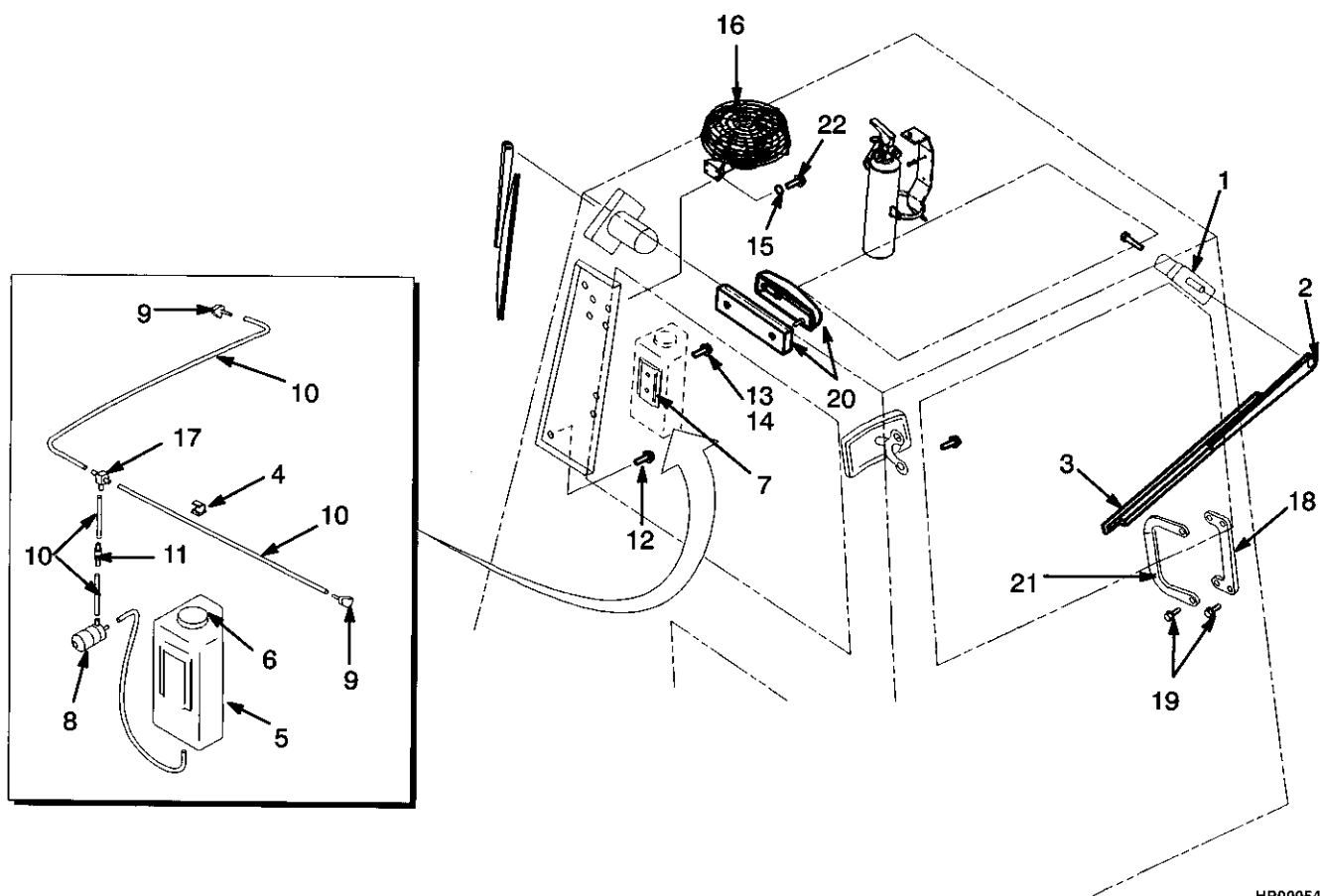


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**WIRE HARNESS
ROUTING
CAB**

ITEM	PART NO.	DESCRIPTION	QTY
1	1301675	Lens.....	1
2	1300134	Fuse (25 Amp).....	1
3	1301233	Relay.....	1
4	1455987	Wire Harness (Cowl) (☞ Figure 12-30)	1
5	1361143	Wire Harness (Chassis) (☞ Figure 12-31)	1
6	1359559	Wire Harness (Wiper) (☞ Figure 12-28)	1
7	1359560	Wire Harness (Cab) (☞ Figure 12-29)	1
8	1320669	Fuse (30 Amp).....	1
9	1301150	Switch	1
10	1366607	Lens.....	1
11	1310630	Fuse (15 Amp).....	1
12	1331245	Switch	1
13	1366633	Lens.....	1
	895972	Panel Kit (Front) (Includes Items 1-9)	1
	895973	Panel Kit (Rear) (Includes Items 9-11)	1
	1356414	Heater Kit (Includes Items 12-13).....	1

ACCESSORIES (Figure 12-23) CAB

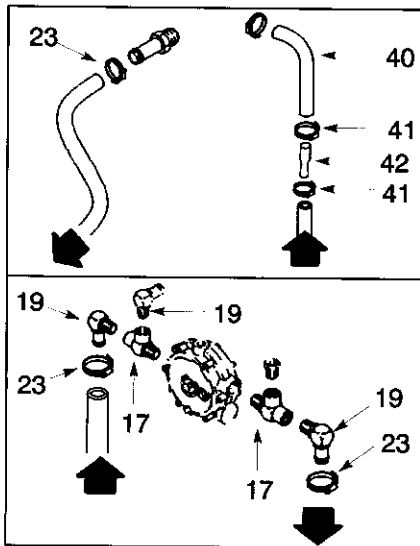
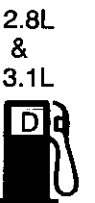
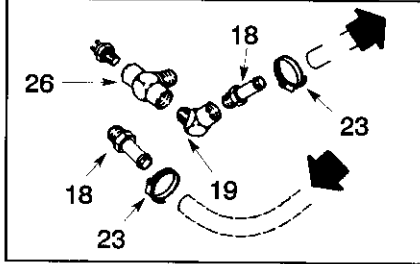
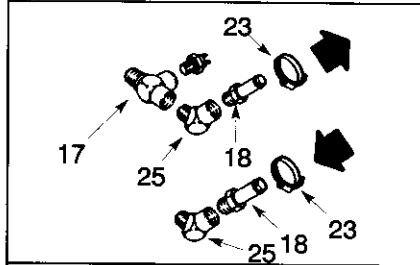
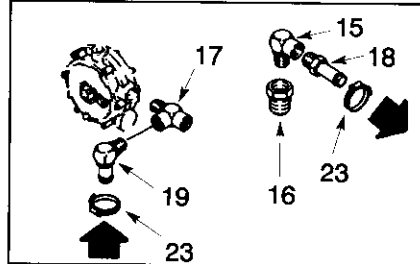
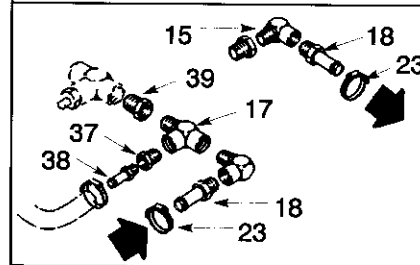
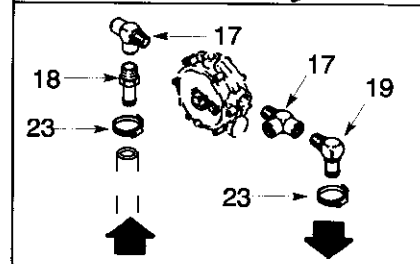
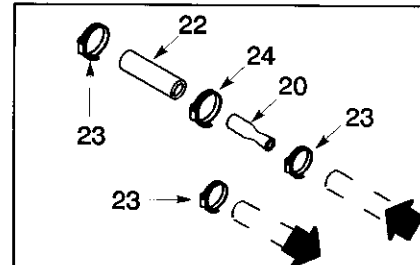
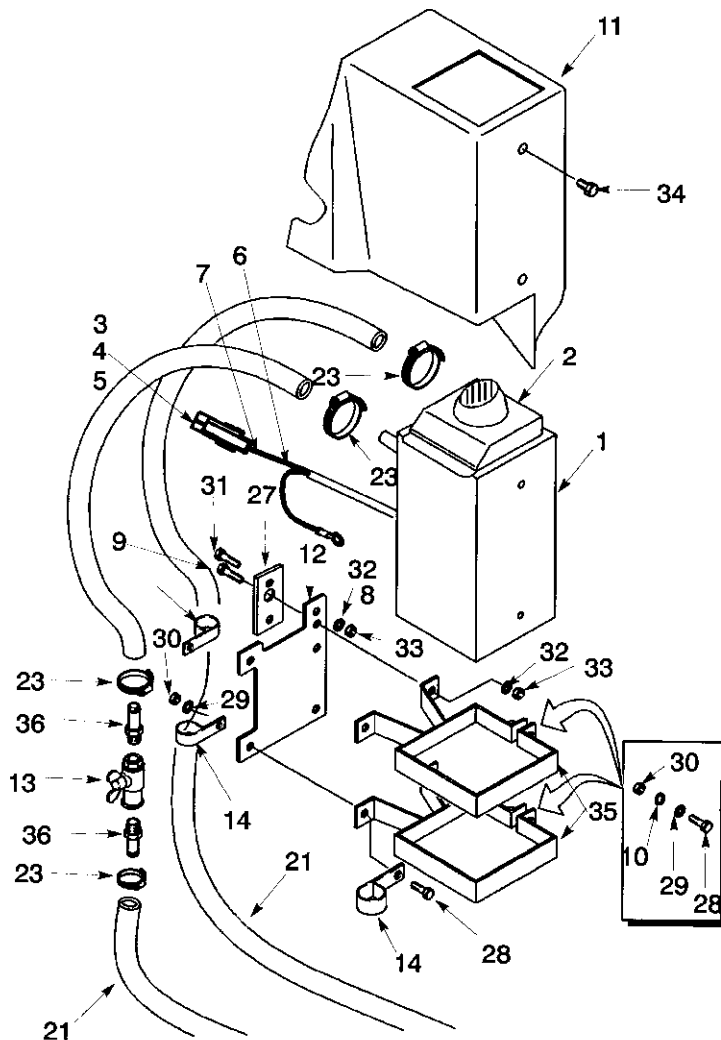


HP000547

**ACCESSORIES
CAB**

ITEM	PART NO.	DESCRIPTION	QTY
1	1377854	Motor	1
2	1373949	Wiper Arm.....	1
3	1374050	Blade	1
4	1366603	Clamp	10
5	1365286	Reservoir	1
6	1368137	Cap	1
7	1365287	Bracket.....	1
8	1365288	Pump	1
9	1365289	Sprayer	1
10	1366601	Hose	1
11	1365299	Valve	1
12	1368140	Bolt	2
13	320156	Washer	2
14	1368953	Screw.....	2
15	292679	Lockwasher.....	4
16	1359562	Fan.....	1
17	1366600	Fitting.....	1
19	1366623	Bracket.....	1
20	1366624	Screw.....	2
20	1366624	Screw.....	4
21	1366622	Light Kit (Inner)	1
21	878141	Bracket	1
22	1343647	Handle (Standard)	2
23	878163	Screw.....	4
	895978	Light Kit (Includes Items 12, 14-15, 20-21).....	1
	895977	Fan Kit (Includes Items 15-16, 23).....	1
	895972	Panel Kit (Front) (Includes Items 1-3, 19-20, 22).....	1
	895973	Panel Kit (Rear) (Includes Items 1-3, 19-20, 22)	1
	895976	Washer Kit (Includes Items 4-11, 13-14, 17)	1

HEATER (Figure 12-24) CAB

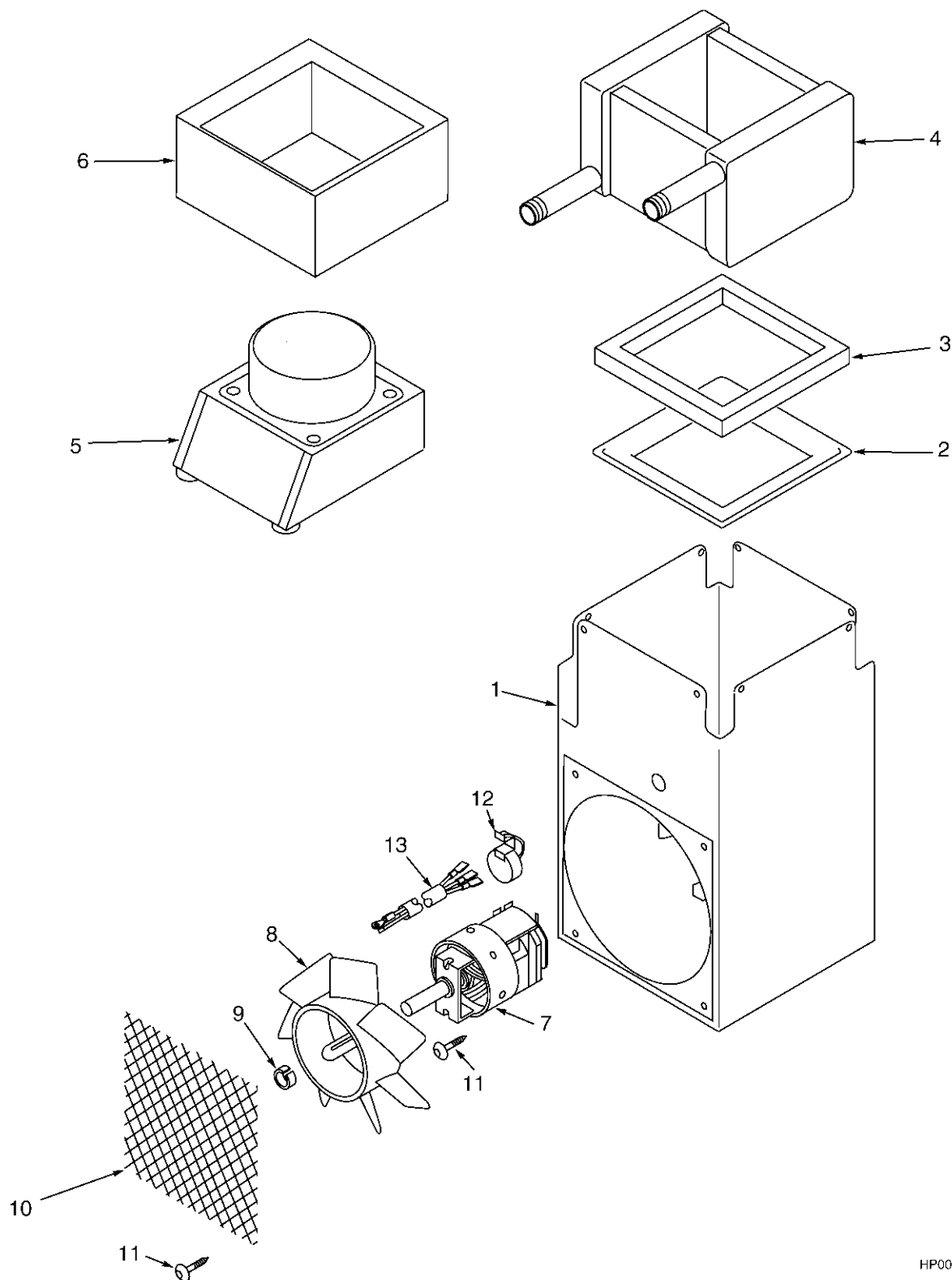


HP000548

**HEATER
CAB**

ITEM	PART NO.	DESCRIPTION	QTY
	1359565	Heater Assembly	1
1	1359564	Heater (☞ Figure 12-25)	1
2	1369429	Defroster.....	1
3	1330298	Connector.....	1
4	1334999	Pin	1
5	1329147	Seal	1
6	16906	Conduit.....	AR
7	175944	Heat Shrink Tube.....	1
8	320157	Washer	1
9	292502	Capscrew.....	1
10	292680	Lockwasher.....	7
11	1359523	Cover	1
12	1368136	Plate	1
13	1368110	Valve	1
14	181089	Clamp	3
15	12837	Fitting.....	1
16	12817	Fitting.....	1
17	154452	Fitting.....	2
18	102919	Fitting.....	2
19	102898	Fitting.....	1
20	1368105	Adapter	1
21	114310	Hose	1
22	258344	Hose	1
23	166857	Clamp	6
24	130845	Clamp	2
25	12823	Fitting.....	2
26	17665	Fitting.....	1
27	1368952	Plate	1
28	287816	Capscrew.....	4
29	320156	Washer	4
30	136687	Nut	7
31	132861	Capscrew.....	1
32	292682	Lockwasher.....	1
33	239503	Nut	1
34	1368968	Capscrew.....	2
35	1368967	Bracket.....	2
36	1368955	Fitting.....	2
37	63108	Fitting.....	1
38	17217	Fitting.....	1
39	16116	Fitting.....	1
40	1376666	Hose	1
41	130845	Clamp	2
42	1368105	Adapter	1

HEATER ASSEMBLY (Figure 12-25) CAB



HP000225

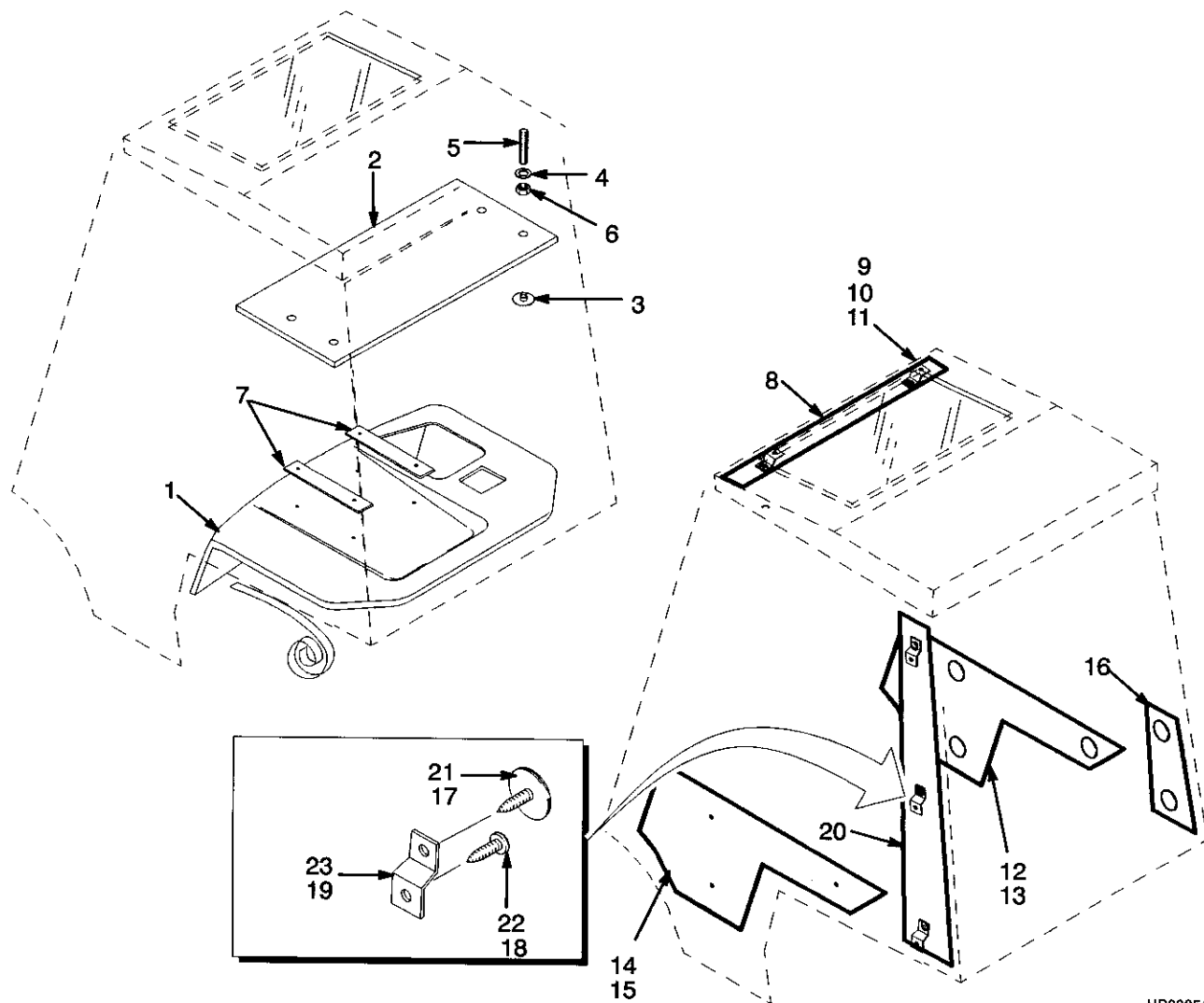
**HEATER ASSEMBLY
CAB**

ITEM	PART NO.	DESCRIPTION	QTY
	1359564	Heater	1
1	1455088	Housing	1
2	1322902	Support.....	1
3	1322903	Pad (Foam).....	1
4	1455089	Heater Unit	1
5	1455090	Adapter.....	1
6	1322905	Frame	1
7	1455091	Motor (Heater)	1
8		Blower	1
9		Button (Hold-On)	1
10	1322909	Grill	1
11	1322910	Screw	6
12	1322911	Cable (Lead Through)	1
13	1322912	Cable (Outlet)	1

SOUND LINERS (Figure 12-26)

CAB

(⇒S/N H177B-27634)



HP000549

SOUND LINERS

CAB

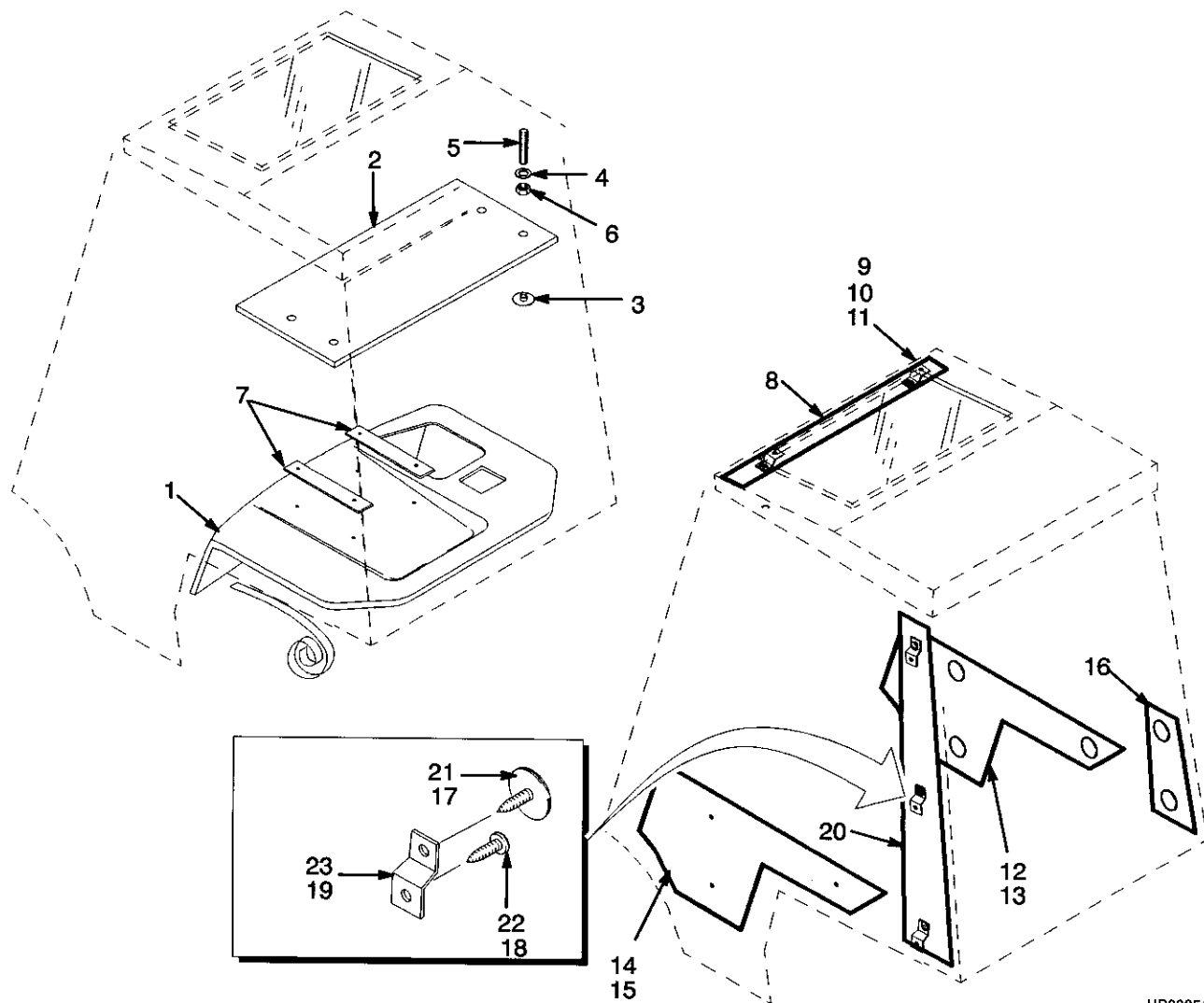
(⇒S/N H177B-27634)

ITEM	PART NO.	DESCRIPTION	QTY
1	1475413	Cover.....	1
1	1475415	Cover (Front)	1
1	1475414	Cover (Top)	1
2	1475441	Headliner	1
3	1361087	Button	4
4	292681	Lockwasher	4
5	1475416	Stud	4
6	316835	Nut.....	4
7	1475417	Plate	2
8	1368145	Cover.....	1
9	1368100	Clip.....	2
10	1368956	Bracket	2
11	1365294	Screw	2
12	1368146	Cover (RH)	1
13	1368100	Clip.....	3
14	1368147	Cover (LH)	1
15	1368100	Clip.....	3
16	1368148	Cover (RH)	1
17	1368100	Clip.....	2
18	1365294	Screw	2
19	1370942	Bracket	2
20	1368149	Cover (LH)	1
21	1368100	Clip.....	3
22	1365294	Screw	3
23	1370942	Bracket	3
	1475410	Sound Liner Kit (Includes Items 1-7)	1

SOUND LINERS (Figure 12-27)

CAB

(S/N H177B-27635⇒)

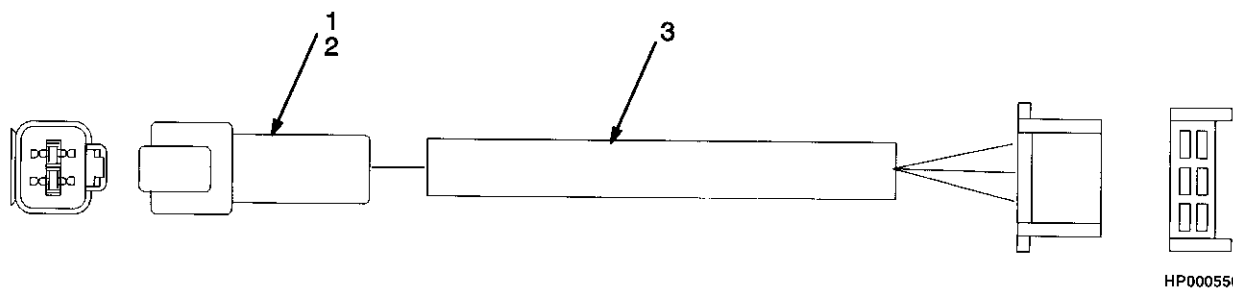


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SOUND LINERS CAB (S/N H177B-27635⇒)

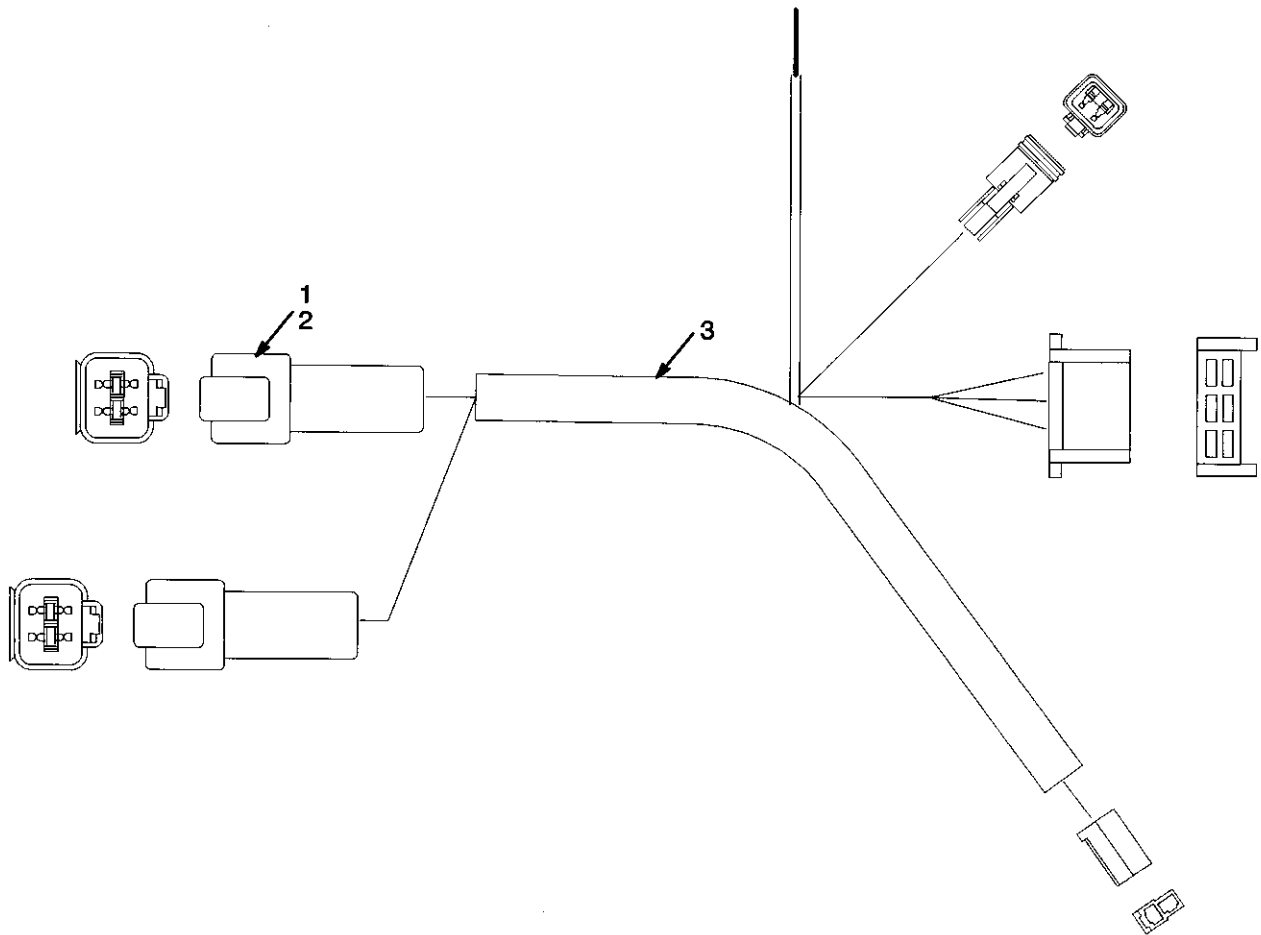
ITEM	PART NO.	DESCRIPTION	QTY
1	1495523	Cover.....	1
1	1475415	Cover (Front)	1
1	1495525	Cover (Top)	1
2	1475441	Headliner	1
3	1361087	Button	4
4	292681	Lockwasher	4
5	1475416	Stud	4
6	316835	Nut.....	4
7	1475417	Plate	2
8	1368145	Cover.....	1
9	1368100	Clip.....	2
10	1368956	Bracket	2
11	1365294	Screw	2
12	1368146	Cover (RH)	1
13	1368100	Clip.....	3
14	1368147	Cover (LH)	1
15	1368100	Clip.....	3
16	1368148	Cover (RH)	1
17	1368100	Clip.....	2
18	1365294	Screw	2
19	1370942	Bracket	2
20	1368149	Cover (LH)	1
21	1368100	Clip.....	3
22	1365294	Screw	3
23	1370942	Bracket	3
	1495524	Sound Liner Kit (Includes Items 1-7)	1

WIRE HARNESS (Figure 12-28)
WIPER



ITEM	PART NO.	DESCRIPTION	QTY
	1359559	Wire Harness (Wiper)	1
1	1330411	Connector.....	1
2	1330416	Lock.....	1
3	1359496	Wire Harness (Wiper).....	1

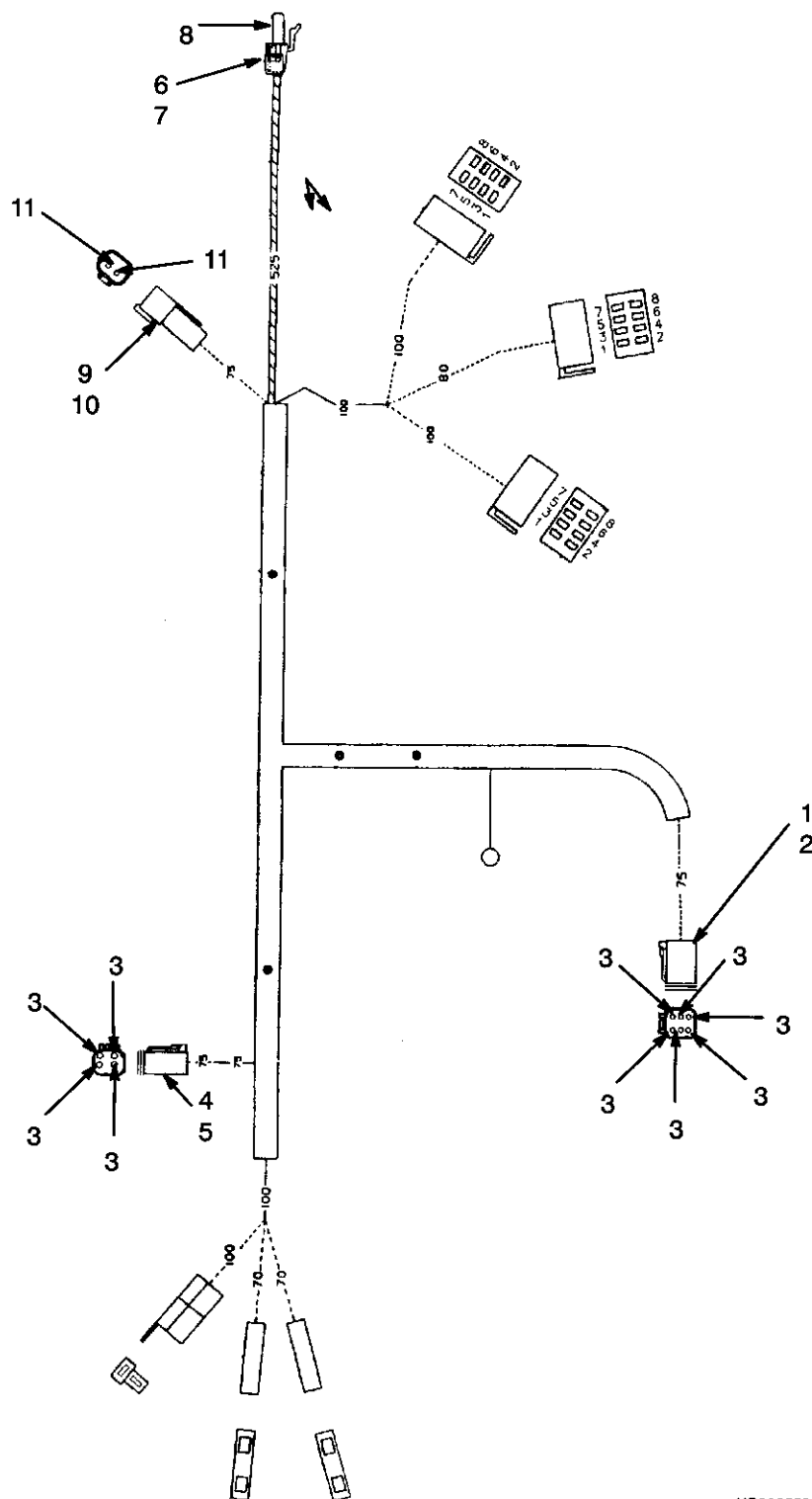
WIRE HARNESS (Figure 12-29) **CAB** **REAR**



HP000551

ITEM	PART NO.	DESCRIPTION	QTY
	1359560	Wire Harness (Cab).....	1
1	1330411	Connector.....	1
2	1330416	Lock.....	1
3	1359497	Wire Harness (Rear)	1

WIRE HARNESS (Figure 12-30) CAB COWL

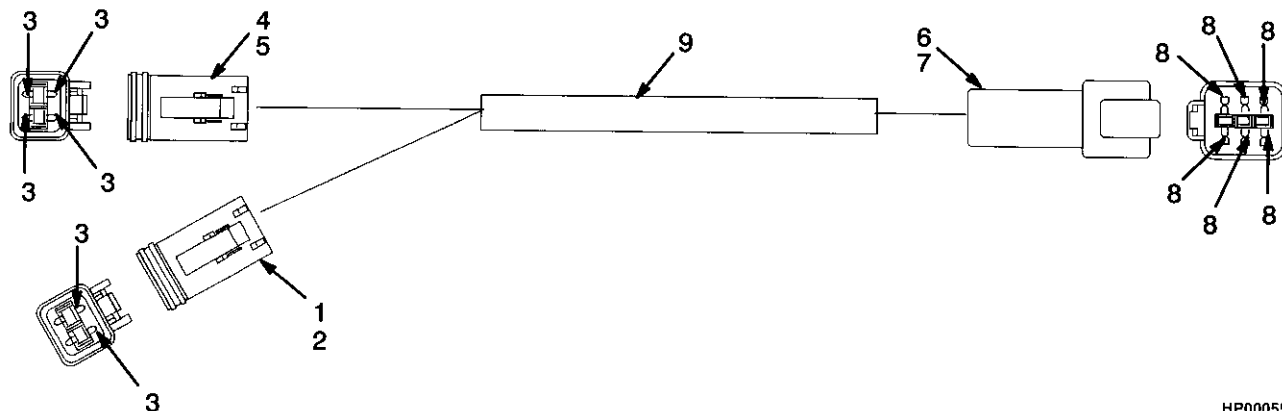


HP000552

**WIRE HARNESS
CAB
COWL**

ITEM	PART NO.	DESCRIPTION	QTY
	1455987	Wire Harness (Cowl)	1
1	1330422	Connector.....	1
2	1330428	Lock.....	1
3	1330438	Socket	10
4	1330421	Connector.....	1
5	1330427	Secondary Lock.....	1
6	1330299	Connector.....	1
7	1329147	Seal	1
8	1336173	Terminal Socket.....	1
9	1330409	Connector.....	1
10	1330414	Secondary Lock.....	1
11	1330437	Pin	2

WIRE HARNESS (Figure 12-31) CHASSIS REAR

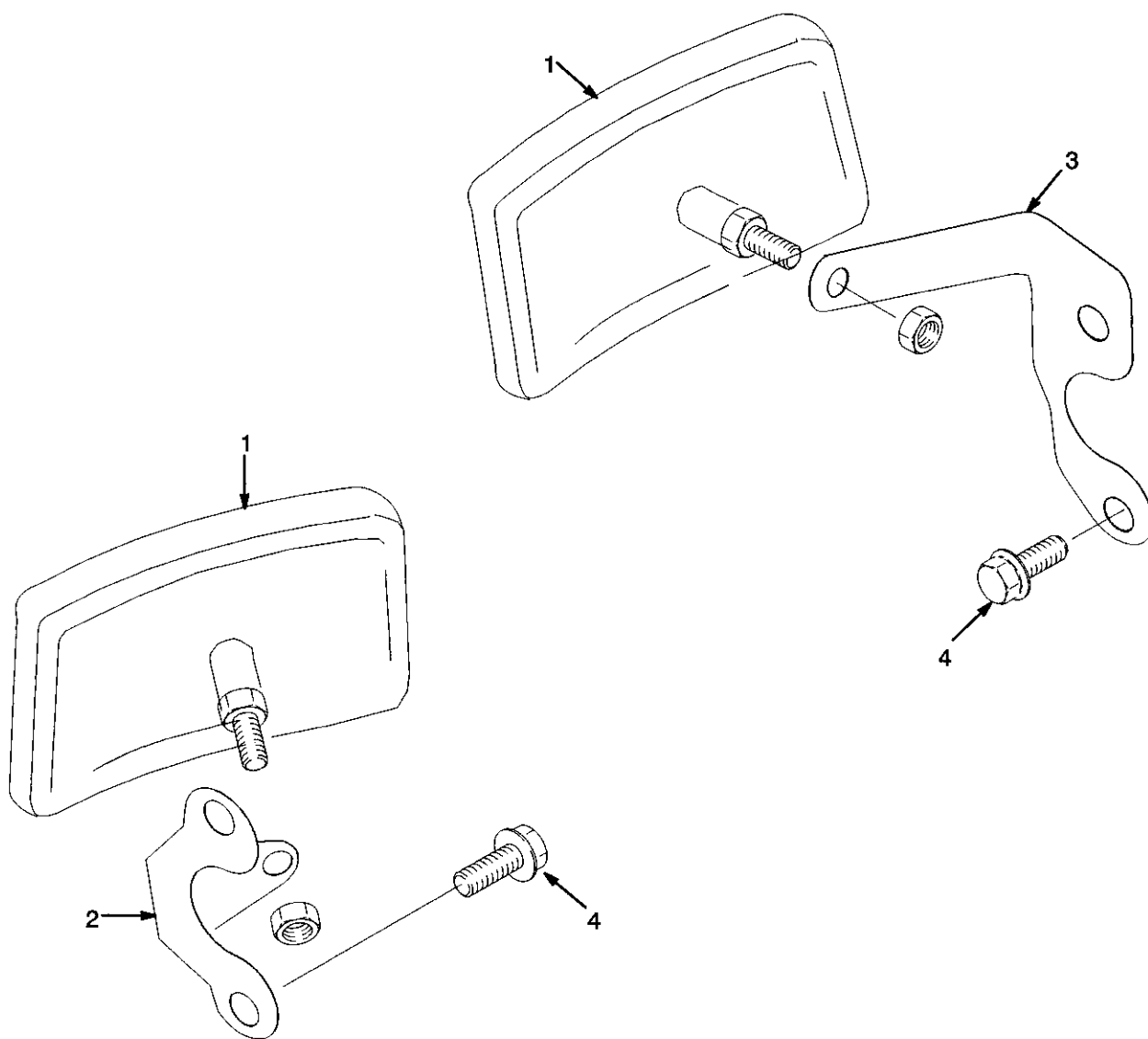


HP000553

ITEM	PART NO.	DESCRIPTION	QTY
	1361143	Wire Harness (Chassis).....	1
1	1330419	Connector.....	1
2	1330424	Secondary Lock.....	1
3	1330438	Socket	6
4	1330421	Connector.....	1
5	1330427	Secondary Lock.....	1
6	1330412	Connector.....	1
7	1330417	Lock.....	1
8	1330437	Pin	6
9	381919	Conduit.....	AR

[illegible]

MIRROR (Figure 12-32)

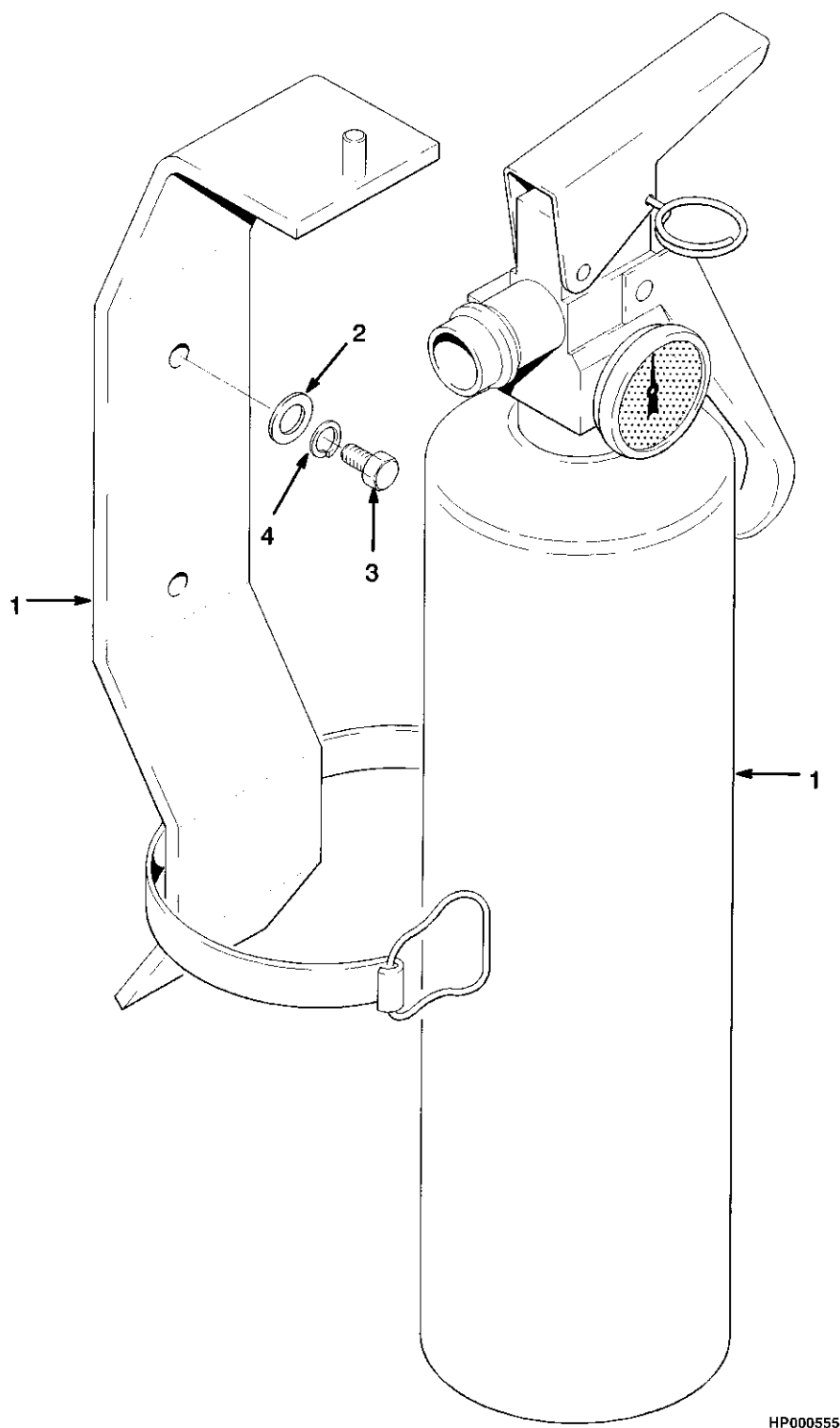


HP000554

MIRROR

ITEM	PART NO.	DESCRIPTION	QTY
1	1301286	Mirror	2
2	b 1356520	Bracket (LH and RH)	2
2	a 1356520	Bracket (RH)	1
3	a 1361561	Bracket (LH).....	1
4	316678	Screw.....	4

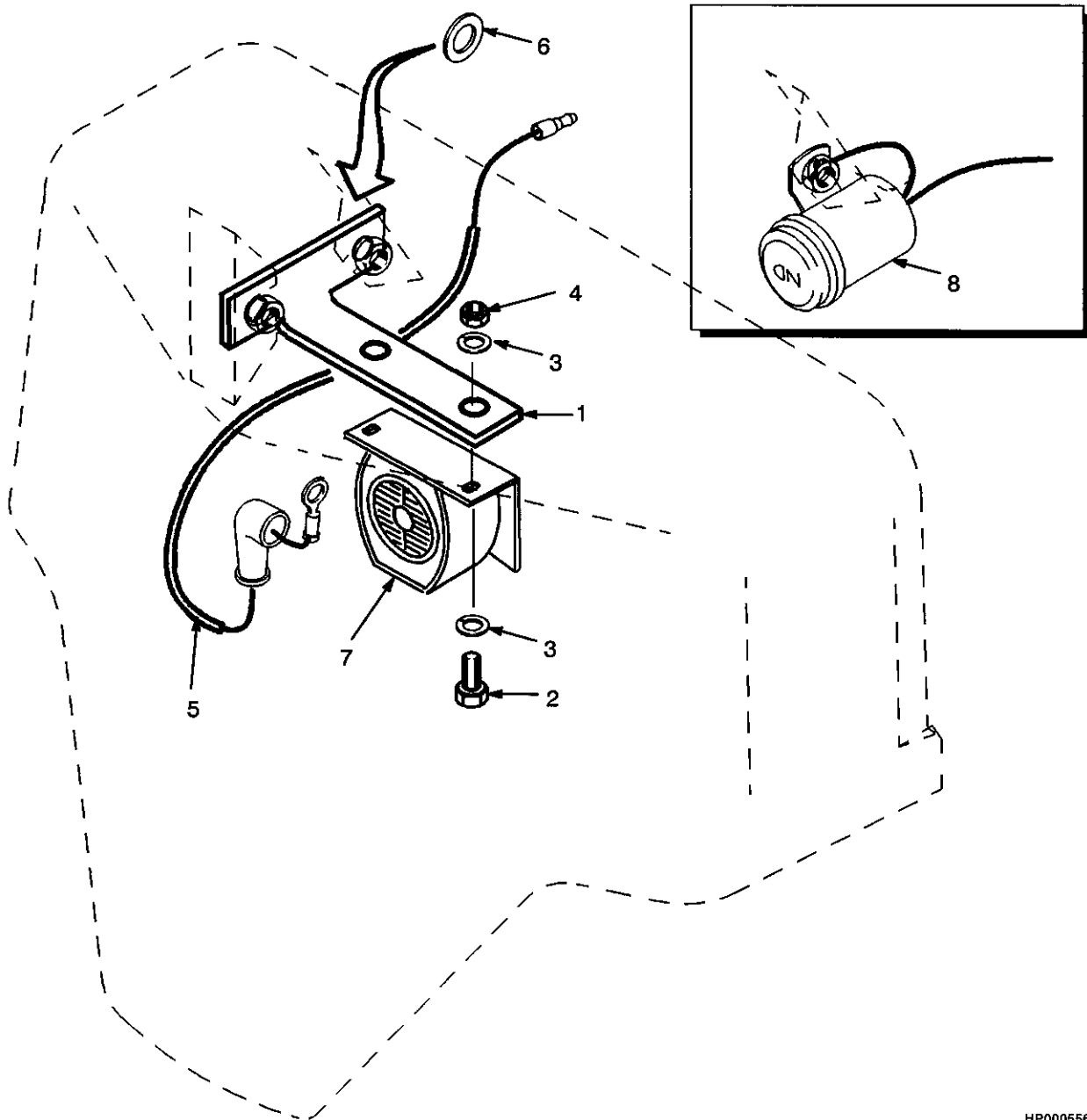
FOOTNOTES:**a** With Cab**b** Without Cab

FIRE EXTINGUISHER (Figure 12-33)

FIRE EXTINGUISHER

ITEM	PART NO.	DESCRIPTION	QTY
1	146540	Fire Extinguisher.....	1
2	292679	Lockwasher.....	2
3	296508	Screw.....	2
4	320155	Washer	2

AUDIBLE ALARMS (Figure 12-34)



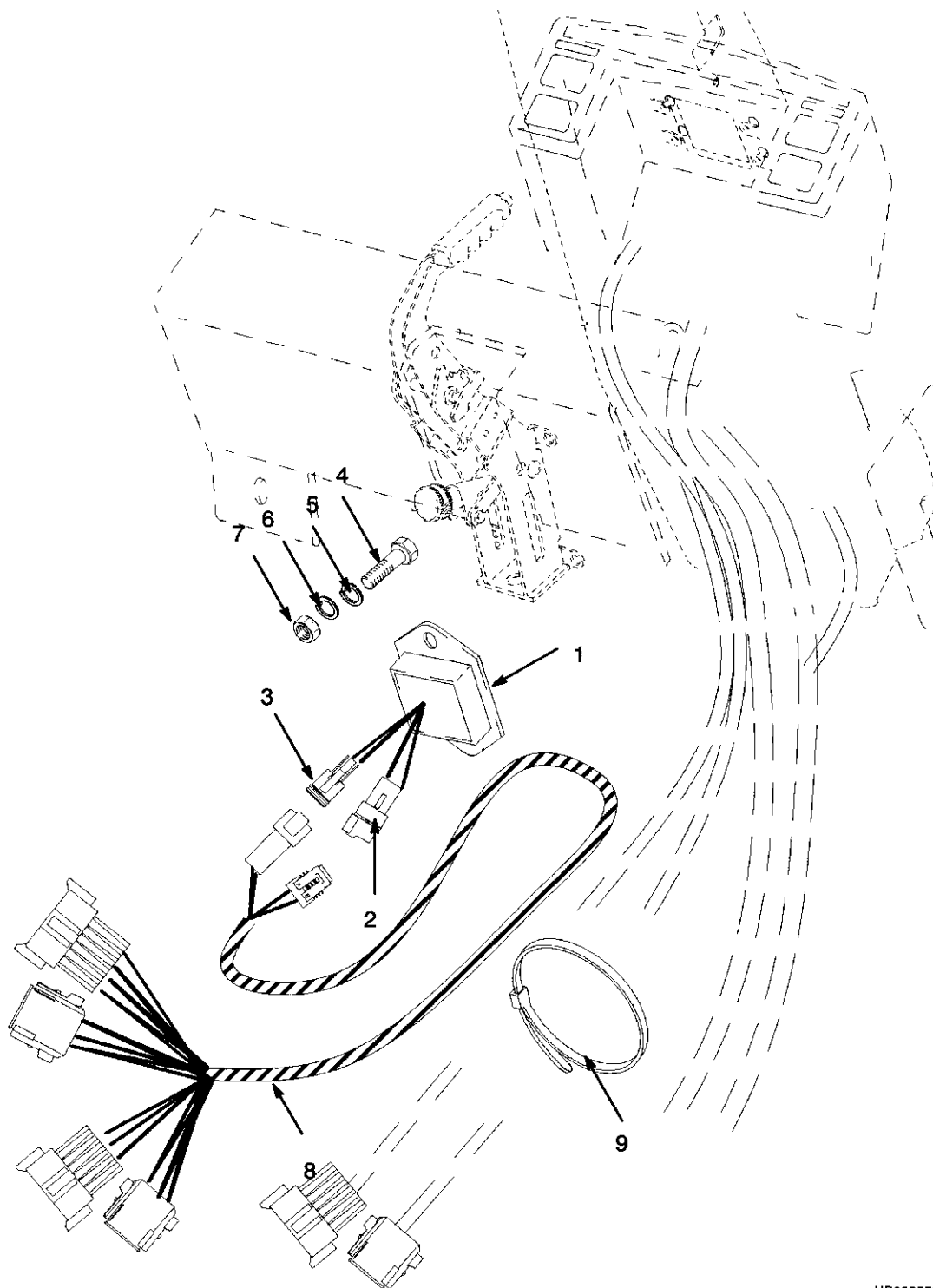
HP000556

AUDIBLE ALARMS

ITEM	PART NO.	DESCRIPTION	QTY
1	1361126	Bracket.....	1
1	a 1469561	Bracket.....	1
2	292500	Capscrew.....	2
3	296417	Lockwasher.....	4
4	316834	Nut	2
5	1361552	Wire Harness.....	1
6	320158	Washer	AR
7	1339947	Alarm (82-102 dbA)	1
7	1350733	Alarm (87 dbA).....	1
7	1350734	Alarm (97 dbA).....	1
7	1350735	Alarm (102 dbA).....	1
7	1350736	Alarm (107 dbA)	1
8	1343892	Alarm (90 dbA)	1
	1375597	Alarm Kit (Includes Items 1-6)	1
	a 1469581	Audible Alarm Kit (87 dbA) (Includes Items 1-5).....	1
	a 1469582	Audible Alarm Kit (97 dbA) (Includes Items 1-5).....	1
	a 1469583	Audible Alarm Kit (102 dbA) (Includes Items 1-5).....	1
	a 1469584	Audible Alarm Kit (107 dbA) (Includes Items 1-5).....	1
	a 1469585	Audible Alarm Kit (82-102 dbA) (Includes Items 1-5)	1
	a 1469586	Audible Alarm Kit (90 dbA) (Includes Items 1-5).....	1
	a 1469587	Audible Alarm Kit (Includes Items 1, 3-5)	1

FOOTNOTES:**a** Low Emissions System

POWERTRAIN PROTECTION SYSTEM (Figure 12-35)

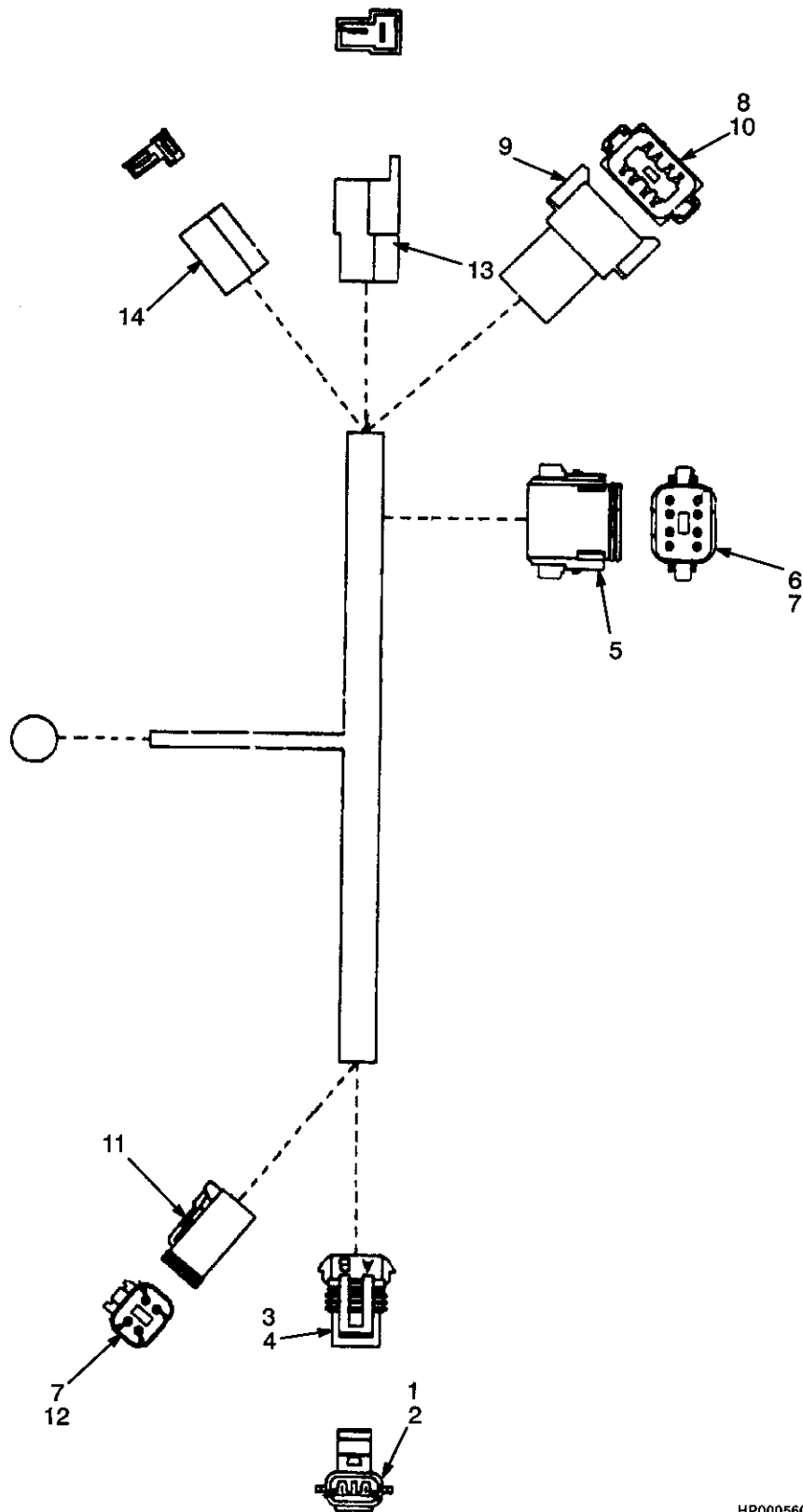


HP000559

POWERTRAIN PROTECTION SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY
1	1375822	Module.....	1
2	1330411	Connector.....	1
3	1329150	Connector.....	1
4	302248	Screw.....	2
5	320155	Washer	2
6	292679	Lockwasher.....	2
7	292668	Nut	2
8	1388304	Wire Harness (☞ Figure 12-36)	1
9	1352606	Strap Clamp.....	AR
	1388305	Powertrain Kit (Includes Items 1, 4-8).....	1

WIRE HARNESS (Figure 12-36) POWERTRAIN PROTECTION



HP000560

**WIRE HARNESS
POWERTRAIN PROTECTION**

ITEM	PART NO.	DESCRIPTION	QTY
	1388304	Wire Harness.....	1
1	1329147	Seal	2
2	1329148	Terminal.....	2
3	1329152	Connector.....	1
4	1329151	Lock.....	1
5	1330423	Connector.....	1
6	1330429	Lock.....	1
7	1330438	Socket	10
8	1330437	Pin	6
9	1330413	Connector.....	1
10	1330418	Lock.....	1
11	1330421	Connector.....	1
12	1330427	Secondary Lock.....	1
13	181047	Connector.....	1
14	181048	Connector.....	1

[illegible]

SECTION 13
NUMERICAL INDEX

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
142	3-129	17		7-7	10	15055	2-136	47		4-31	22
	7-3	18	14358	3-19	7		3-69	33		4-35	22
7882	2-125	17		3-21	19		3-73	33		4-39	22
	2-135	15		3-65	26		8-43	3		6-3	6
	2-139	17	14385	3-23	39		8-47	3	15175	1-12	39
	2-147	17		3-78	10	15056	2-115	36		1-15	35
	2-151	17	14386	2-13	14	15125	2-159	5	15211	3-125	7
11276	5-41	4		2-115	10	15134	2-133	6		3-129	5
	5-41	4		2-119	1		2-145	6		8-27	10
12490	3-33	30		4-31	39		3-96	48		8-31	10
12817	12-55	16		4-35	35		6-3	7		8-35	10
12822	3-13	17		4-39	35	15136	4-21	7		8-39	10
	3-15	14	14387	2-116	41		4-44	66		9-9	4
	3-23	19		2-119	9		4-47	7		9-19	10
	3-77	14	14500	5-27	37		4-57	29		10-9	22
12823	12-55	25		5-32	41	15152	2-121	31		10-33	10
12824	3-66	54		5-33	2		4-23	31		11-11	8
12837	12-55	15	14506	5-43	4		4-31	35		11-16	23
12838	7-7	9	14592	5-27	28		4-36	88		11-35	10
12843	3-69	46		5-31	2		4-41	88		12-15	21
	3-73	46	14603	9-9	15	15154	2-135	21		12-17	17
12855	3-95	22		10-7	17		2-135	35		12-19	17
12856	4-43	35	14604	5-3	23		2-147	21	15212	3-121	27
12891	5-3	40		5-10	42		2-147	35		3-123	18
	5-9	32		5-15	42		2-151	21		3-125	2
	5-15	32	14692	10-36	22		2-151	35		3-127	7
	9-19	3	14760	12-27	4		3-13	36		3-129	10
	10-33	3	14761	3-51	18		3-121	21		6-3	12
	12-15	14		3-55	18	15155	2-115	22		7-3	19
	12-17	21		3-57	18		2-119	20	15223	11-11	9
12894	5-39	1		3-59	10		2-121	35	15225	6-7	29
12898	1-6	44	14899	7-7	8		3-121	23	15227	6-7	39
12928	2-115	33	15001	1-5	26		3-123	21	15236	8-21	3
12949	8-43	22	15002	3-121	20		4-21	11		8-23	3
	8-43	36		3-125	6		4-23	34		8-25	14
	8-44	52	15004	3-121	25		4-27	12	15290	5-41	29
	8-47	22	15006	3-66	57		4-32	59	15303	5-41	22
	8-47	36	15025	7-3	7		4-36	56	15304	2-159	12
	8-48	52	15032	5-3	12		4-40	56	15314	5-3	35
13957	6-7	37		5-9	4		4-149	4		5-10	53
14303	3-17	7		5-15	4		4-151	4		5-16	53
	3-95	30		5-27	30	15156	2-115	16	15347	3-17	23
	3-99	34		5-31	15		2-119	7		3-69	16
	3-111	7	15034	3-13	7		2-121	17		3-73	16
14349	3-65	16		3-15	7		2-141	19		5-3	29
	3-69	49		3-77	7		3-51	4		5-9	9
	3-74	64	15049	7-3	9		3-55	4		5-15	9
	3-85	14	15052	2-121	32		3-57	4		8-3	36
	4-10	56		4-23	32		3-59	4		8-7	36
	4-14	62		4-31	36		3-96	49	15351	3-19	16
	4-29	96		4-36	76		4-24	49		3-66	53
	4-54	60		4-40	76		4-28	47	15483	3-13	15

NUMERICAL INDEX (Continued)

PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	5-9	11		5-41	23		5-9	24		5-31	35
	5-15	11	16177	3-115	34		5-15	24		8-3	37
15855	12-39	3	16186	4-9	36		5-27	5		8-7	37
15880	10-25	11		4-13	36		5-31	20	16558	2-123	20
	10-29	11		4-17	20		5-43	3		8-3	31
	11-23	11		4-43	38		5-45	10		8-7	31
	11-27	11		4-53	30		5-45	11		12-22	4
	11-31	11	16187	2-121	38		8-7	28		12-23	4
15908	4-43	21		2-123	31		8-8	59		12-24	4
15918	3-69	34		4-10	45		8-8	60	16560	8-4	50
	3-73	34		4-24	79		8-27	35		8-4	51
15920	3-66	56		4-28	64		8-27	36		8-8	51
15923	2-135	13		4-32	71		8-28	42		10-7	15
	2-147	13		4-36	61		8-31	33	16565	12-10	23
	2-151	13		4-40	61		8-31	34	16568	5-43	3
15931	1-6	46	16192	3-95	2		8-31	40	16578	8-7	18
15932	5-28	47		3-99	25		8-35	36		9-10	22
	5-31	39	16374	2-135	26		8-39	34		10-7	16
15942	2-111	16	16378	2-147	26		8-43	12		11-12	25
	2-113	16		2-151	26		8-47	12	16598	3-51	3
	2-177	1	16379	2-115	37	16485	8-4	50		3-55	3
15962	2-157	6	16447	12-27	3		8-4	51		3-57	3
15964	3-17	30	16480	8-43	28		8-4	51		3-59	3
	3-21	22		8-47	28		8-7	14		4-149	9
	3-23	22	16481	5-27	19		8-7	18	16693	12-27	5
	3-25	33		5-31	35		8-8	48	16694	3-21	11
	3-69	5		5-43	4		8-8	51		3-23	11
	3-73	5		8-3	37		8-8	51	16706	8-43	13
	3-95	27		8-7	37		8-19	5		8-43	27
	3-100	49		12-9	14		8-28	43		8-43	45
	3-111	8	16482	5-3	30		8-31	41		8-47	13
16009	5-41	10		5-9	8		9-10	20		8-47	27
16041	12-9	12		5-15	8		9-10	22		8-47	45
	12-15	12		5-27	28		10-7	15	16709	2-135	34
	12-17	12		5-27	31		10-7	16		2-147	34
	12-19	12		5-31	2		10-7	22		2-151	34
16100	3-115	33		5-31	3		10-9	3	16741	4-57	15
16114	3-115	30		5-31	5		10-9	9	16743	7-3	32
16116	12-55	39		5-31	10		11-12	25	16751	3-33	20
16118	3-115	29	16483	2-123	20		11-12	26		3-83	20
16134	3-13	20		2-123	21		11-15	5		3-85	20
	3-15	17		5-3	14	16486	9-9	15	16764	3-21	12
	3-77	17		5-9	13		10-7	17		3-23	12
16150	4-27	30		5-15	13		11-11	20		3-63	10
	4-28	70		5-27	21	16487	5-3	23		5-45	3
	4-43	28		5-31	4		5-10	42	16788	3-51	17
	4-54	58		8-7	31		5-15	42		3-55	17
16151	4-9	34		12-22	4	16541	8-27	36		3-57	17
	4-13	34		12-23	4		8-31	34		3-59	9
	4-17	19		12-24	4		8-35	36		5-45	11

NUMERICAL INDEX (Continued)

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	2-119	8		4-32	70		4-28	81	39348	9-14	7
	3-96	47		4-36	60		4-32	82		9-16	3
16814	2-116	40		4-40	60		4-36	75		10-26	13
16815	2-121	18	17217	3-65	42		4-40	75		10-30	13
	2-141	20		3-69	29		4-44	54		11-20	13
	6-3	5		3-73	29		4-47	2		11-24	13
16825	2-115	21		12-55	38		4-53	34		11-28	13
16836	3-121	22	17218	12-9	15		4-54	44		11-32	13
	3-123	20	17309	5-43	5		4-57	23	39352	6-7	12
	4-24	73	17314	3-69	26	18508	2-115	14	39359	12-39	5
	4-27	11		3-73	26		2-119	27	39714	5-41	28
	4-32	58		4-24	80	18515	1-11	27	43207	5-7	25
	4-36	78		4-28	65		2-121	34		5-13	12
	4-40	78		4-32	72		3-121	24	43307	5-7	26
16841	3-78	11		4-36	62		3-123	22		5-13	1
16863	3-19	1		4-40	62		4-21	21	43883	3-95	1
	3-65	22	17315	5-43	6		4-23	33	44308	5-39	2
	3-78	15	17319	12-9	11		4-27	13	44542	6-7	19
16865	3-131	14	17635	11-16	28		4-32	60	45733	5-35	23
	4-6	53	17650	3-17	32		4-36	57		5-37	23
16882	9-10	27		3-111	41		4-40	57	45736	12-31	1
	10-7	19	17665	12-55	26		4-47	14	45737	12-31	1
	11-12	29	17735	4-54	59		4-57	11	46388	6-11	5
16906	4-125	42	17737	3-69	30		4-149	5		8-25	7
	4-127	33		3-73	30		4-151	14	53162	3-131	14
	4-131	33	17756	8-28	43	18516	2-121	20		4-6	51
	12-55	6		8-31	41		4-151	3	53163	12-31	12
16923	5-31	6	18419	4-6	52	18518	4-21	18		12-35	7
	8-3	30	18496	1-11	38	18535	2-121	9	54123	2-115	34
	8-7	30		2-121	36		4-24	82	55407	12-13	4
	8-8	62		4-23	36		4-28	46	55434	8-21	11
	8-28	44		4-32	47		4-32	64	55580	4-147	26
	8-31	42		4-36	54		4-35	28	57568	3-131	9
16933	12-27	14		4-40	54		4-39	28	57664	8-43	9
16982	5-27	26	18497	4-21	20	18538	2-115	19		8-43	24
	9-9	17	18498	1-11	38		2-119	16		8-43	42
	10-7	18		4-149	3	18546	4-149	11		8-44	56
	11-12	22	18499	2-119	21	18727	1-11	26		8-47	9
16987	8-8	58	18500	2-33	12	18824	8-4	56		8-47	24
	8-27	34		2-35	10		8-8	56		8-47	42
	8-31	32		2-37	12	21420	5-41	24		8-48	56
17038	5-43	11		2-39	10	28269	2-169	33	58901	9-3	8
17039	8-8	61		2-41	22	28584	4-53	29		9-5	3
17059	8-8	57		2-43	10	29588	12-35	1		10-3	8
	8-27	33		2-45	19	30273	6-7	21		10-5	3
	8-31	31		2-111	20	33657	5-41	5		11-3	8
17167	5-43	3		4-9	15	37752	9-5	8		11-5	8
17197	8-28	42		4-9	39		9-5	9		11-9	3
	8-31	40		4-13	15		10-10	24		11-35	3
17215	3-65	29		4-13	39		11-5	12		12-19	21
17216	4-24	78		4-21	2		11-5	13	58903	6-7	35

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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59229	9-16	9	86376	4-21	15		3-7	9	127045	2-31	11
	10-11	8	86510	4-5	19		3-51	6		2-33	5
	10-13	8		4-5	19		3-55	6		2-33	7
	10-15	6		7-3	31		3-57	6		2-33	8
	10-16	7	87446	3-17	6		3-59	5		2-35	37
	10-17	9		3-111	6		3-105	1		2-39	5
	10-19	9	89220	4-31	9		3-107	12		2-39	38
	10-21	7		4-36	45		3-109	12		2-41	30
	10-22	8		4-40	45	113011	3-19	26		2-45	27
	11-20	10	90263	10-25	11		3-65	21		8-3	8
	12-13	4		10-29	11	113341	3-25	11		8-7	8
59583	8-25	9		11-23	11		7-9	7	127644	2-135	43
60137	9-10	25		11-27	11	114310	12-55	21		2-148	43
	10-9	19		11-31	11	114312	3-105	7	128835	4-147	27
	11-11	5	92861	9-14	11		3-131	17	128852	4-147	28
60948	12-35	3		11-20	10		4-28	62	129387	9-3	7
60949	6-7	6	97577	5-35	11		4-35	30		9-5	4
61220	12-35	2		5-37	11		4-39	30		10-3	7
63108	3-21	10	97999	3-13	1		4-43	23		10-5	4
	3-23	10		3-15	1		12-10	20		11-3	7
	3-65	30		3-77	1		12-22	3		11-5	7
	12-55	37	98525	6-7	16		12-23	3		11-9	4
63111	3-78	12	99610	2-161	6		12-24	3		11-35	4
63117	2-13	2	101625	3-95	12	114586	3-69	19		12-19	19
	2-15	13		3-99	6		3-73	19	129563	2-43	34
	2-19	6		4-23	22	119236	2-31	27		2-45	35
	2-21	10		4-27	26		2-33	7		3-70	55
	2-23	5		4-28	71		2-39	22		3-74	59
	2-25	6		4-43	41		2-41	35		4-5	25
	2-27	14		8-3	34		2-43	22		4-9	28
	2-29	7		8-7	34		2-45	32		4-10	48
	2-29	17	101809	3-13	2		3-9	9		4-13	28
63899	3-17	27		3-15	2		3-11	9		4-14	48
	3-25	16		3-77	2	119388	4-24	63		4-24	72
	3-96	66	102898	5-45	12		4-28	77		4-28	59
	3-99	18		12-55	19		4-31	44		4-31	23
	3-111	37	102919	5-45	1		4-36	71		4-35	23
67470	12-41	7		12-55	18		4-40	71		4-39	23
68968	2-17	2	104506	9-3	3	122175	4-24	62		4-43	22
69029	6-7	28		10-3	3		4-28	52		8-4	53
69238	8-3	26		11-3	3		4-31	17		8-8	53
	8-7	26		11-5	3		4-35	17	129886	4-128	44
71153	1-25	6	108102	4-57	4		4-39	17		4-131	44
	1-27	6	109919	3-51	10	124010	3-13	43	129887	4-79	17
78584	5-35	22		3-55	10	124217	3-115	37		4-81	19
	5-37	22		3-59	31	124218	3-115	3		4-87	42
78826	5-7	30	110174	8-3	28	124239	3-115	4	129888	4-79	11
80952	5-39	9		8-7	28	125305	3-65	40		4-81	12
85766	3-21	4	110322	3-78	8	125847	3-5	3		4-83	24
	3-96	53		8-3	32		3-7	3		4-87	20
85785	3-19	29		8-7	32		3-51	28		4-125	20

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	4-127	25		3-85	1		8-32	46		8-39	3
	4-131	25	132680	11-16	33		8-36	56		12-7	7
129889	4-61	36	132860	10-10	27		8-40	46	136703	5-3	20
	4-63	37	132861	8-27	29		11-15	14		5-10	51
129894	4-85	10		8-31	28		12-43	24		5-16	51
	4-125	19		8-35	29		12-43	24		7-3	13
	4-127	12		8-39	28		12-47	14	136704	5-27	32
	4-131	12		12-55	31	136687	2-121	5		5-32	43
130619	12-31	1	132972	4-53	39		2-123	35		9-9	13
130825	6-11	4	133469	2-135	14		3-23	33		9-21	2
130845	2-33	7		2-147	14		3-51	22		11-15	8
	2-33	8	134436	5-3	30		3-55	22		11-38	21
	2-39	23		5-9	8		3-57	39	136749	1-5	30
	2-123	23		5-15	8		3-59	25		2-35	30
	2-159	11		5-27	31		4-9	14		2-37	14
	3-19	8		5-31	3		4-13	14		2-39	30
	3-21	20	134675	8-21	12		4-14	56		2-41	11
	3-23	20	134680	8-8	60		4-23	7		2-43	30
	3-51	15	134810	4-61	14		4-24	52		2-45	8
	3-55	15		4-63	14		4-27	7		2-123	10
	3-57	15		4-97	37		4-28	80		3-96	55
	3-59	7	134812	4-97	9		4-31	27		3-121	13
	3-63	7		4-105	30		4-35	27		3-123	13
	3-65	18		4-109	11		4-36	74		4-43	12
	3-65	28		4-113	11		4-39	27		6-3	23
	3-65	41		4-121	9		4-40	74		7-9	6
	3-69	3		4-123	9		4-43	10		8-3	11
	3-73	3		4-125	7		4-44	53		8-7	11
	3-81	16		4-127	26		4-49	15		8-27	20
	5-45	2		4-131	26		4-51	5		8-31	20
	12-55	24	135158	5-35	25		4-53	8		8-35	20
	12-55	41		5-37	25		4-57	33		8-39	20
131358	9-9	7	135588	11-11	1		6-5	10		10-35	8
	9-19	8	135619	9-9	1		12-55	30		11-15	14
	10-7	3	135634	11-11	1	136692	1-6	39		11-37	7
	10-10	31	135685	3-131	2		2-21	14	136750	4-57	12
	10-33	8	135915	12-35	3		2-31	15	136985	2-31	14
	11-11	11	135917	12-35	5		3-13	6		3-57	36
	11-15	17	135920	12-35	1		3-13	22		3-129	24
	11-35	8		12-35	1		3-15	6		5-3	36
	12-15	19	136516	4-31	9		3-15	19		5-9	28
	12-17	15		4-36	45		3-77	6		5-15	28
	12-19	15		4-40	45		3-77	19		5-35	19
131715	10-3	4		4-49	9		3-129	26		5-37	19
	11-3	4	136681	3-95	7		3-129	31		6-3	22
131716	9-3	4		3-121	15		5-4	56		7-3	24
	10-3	4		3-123	15		6-3	19		10-9	8
	11-3	4		4-5	32		7-3	22	137138	12-35	1
	11-5	4		4-9	3		7-7	4	137139	12-35	1
132473	3-33	1		4-13	3		8-27	3	137154	5-41	11
	3-35	1		4-159	5		8-31	3		5-41	11
	3-83	1		8-28	56		8-35	3	137282	5-3	15

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	5-15	15		2-151	29		2-139	18	153919	12-13	5
	5-35	37	145639	1-11	37	148962	2-111	6	153930	4-53	11
	5-37	38		1-15	36		2-113	6	153931	4-9	2
137283	5-35	4		4-21	19		4-10	53		4-13	2
	5-37	4	145641	2-135	40	149805	2-125	8	154065	1-19	12
137852	3-19	11		2-147	40		2-139	8	154066	1-19	12
	3-65	17		2-151	40	149814	2-125	7	154067	1-19	12
	3-65	20		4-57	16		2-139	7	154355	10-9	10
	3-111	27	145949	2-123	26	149816	2-125	7		11-15	6
	3-125	4		2-135	44		2-139	7	154375	8-25	6
	3-127	6		2-148	44	149819	2-135	20	154452	12-55	17
	4-5	36		2-151	44		2-147	20	154475	4-61	32
	4-27	28	145978	5-41	6		2-151	20		4-63	33
	4-53	40	146540	12-71	1	149846	2-135	32	156194	6-7	15
	8-3	35	147006	2-121	2		2-147	32	156195	6-7	14
	8-7	35		2-123	36		2-151	32	157704	3-111	38
138573	4-5	20		4-43	13	149847	2-135	33	158017	2-163	2
	4-5	20	147294	3-13	25		2-147	33	158048	2-181	11
138880	3-17	28		3-15	22		2-151	33	158186	3-115	9
	3-25	16		3-77	22	149857	2-129	9		3-115	12
	3-96	66	147972	10-11	9		2-141	9	158187	3-115	10
	3-99	18		10-13	9	149858	2-129	9		3-115	13
	3-111	39		10-15	5		2-141	9	159942	2-135	7
139743	4-149	15		10-16	8	149864	2-129	2		2-147	7
	4-151	13		10-17	10		2-141	2		2-151	7
140660	5-43	7		10-19	10	149867	2-129	10	159971	2-142	41
	5-45	6		10-21	6		2-142	35		2-151	42
141462	4-79	18		10-22	9	149868	2-129	4	159972	2-147	41
	4-81	21	147973	6-11	3		2-141	4		2-151	41
	4-83	8		10-25	10	149888	2-129	28	159973	2-125	20
	4-87	14		10-29	10		2-142	28		2-139	20
	4-98	62		11-23	10	149889	2-129	18	159974	2-133	15
	4-105	31		11-27	10	149898	2-135	16		2-145	15
	4-109	12		11-31	10		2-147	15	159977	2-135	3
	4-113	12	148606	12-41	7		2-151	15		2-147	3
	4-121	10		12-41	7	149929	2-115	8		2-151	3
	4-123	10	148609	4-125	34		2-123	24	159991	2-139	16
	4-125	8		4-127	15	149934	2-123	25	160361	2-129	11
	4-127	29		4-131	15		2-136	45		2-141	11
	4-131	29	148610	4-105	32		2-148	45	160376	2-142	30
145096	12-33	1		4-109	14		2-151	45	160377	2-129	26
145097	12-33	1		4-113	14	149976	2-152	50		2-141	26
145157	12-33	1	148613	4-83	11	149977	2-129	13	160602	2-125	7
145172	2-129	5	148615	4-79	9		2-141	13		2-139	7
	2-141	5		4-81	9	149978	2-129	37	160653	12-33	5
145173	2-129	7		4-83	29		2-142	37	160773	3-17	29
	2-141	7		4-87	19	152608	2-179	19		3-25	16
145176	2-135	28		4-125	13		3-115	23		3-96	65
	2-147	28		4-127	13	152609	2-179	18		3-99	18
	2-151	28		4-131	13		3-115	22	161003	11-16	20
145177	2-135	29	148648	4-85	12	153069	4-14	52	161029	11-15	1

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161252	3-121	18		3-65	18		8-31	25		4-119	25
161617	3-125	5		3-65	28		8-35	25		4-121	8
161884	12-35	14		3-69	4		8-39	25		4-123	8
161885	12-35	13		3-73	4	177461	2-111	9		4-125	9
161889	12-31	6		3-111	26	177521	4-167	8		4-127	3
161890	12-31	5	169233	3-57	12	177563	2-135	31		4-131	3
161894	12-35	14		3-59	43		2-147	31		12-77	14
161895	12-35	13	169718	2-135	42		2-151	31	181089	12-55	14
162836	3-121	26		2-147	42	177894	4-9	1	181763	3-65	15
	3-123	23	169719	2-135	41	178119	10-9	5	181766	5-27	29
	3-125	1	169752	2-125	6	180030	10-9	2		5-31	16
	3-127	8	169942	2-125	16	180057	9-9	1	182332	9-9	1
163970	6-7	22	169964	2-125	6		11-15	1	182333	10-9	2
164017	2-135	5	169965	2-125	6	180177	10-9	2	182343	11-11	1
164022	2-125	10	169966	2-125	6		11-15	1	183985	3-21	3
	2-139	10	169967	2-125	6	181045	4-94	58	184761	11-11	20
164023	2-125	21	170554	4-47	13		4-97	36	187388	9-14	8
	2-139	21		4-57	8		4-98	58		9-16	6
164050	2-121	40	170658	1-19	22		4-105	26		10-25	7
	2-130	39	173247	2-31	10		4-109	34		10-29	7
	2-142	39		4-17	29		4-113	34		11-20	7
164488	2-123	5		4-54	50		4-117	7		11-23	7
	3-95	20	173941	3-115	6		4-119	11		11-27	7
	12-39	15	173944	3-115	1		4-145	32		11-31	7
164639	6-7	20	173981	2-175	16	181046	4-79	6	188516	8-43	16
164840	10-25	10	174208	12-35	1		4-81	6		8-43	31
	10-29	10	174209	12-31	1		4-83	16		8-43	48
	11-23	10	174211	12-33	1		4-83	30		8-47	16
	11-27	10	174374	3-69	47		4-83	32		8-47	31
	11-31	10		3-73	47		4-87	24		8-47	48
166857	3-5	15	174413	2-9	16		4-97	35	188518	8-43	18
	3-7	15		2-121	7		4-119	12		8-43	33
	3-51	25		2-123	12		4-121	32		8-44	54
	3-51	37	175323	3-66	50		4-123	27		8-47	18
	3-51	42	175347	3-19	15		4-125	2		8-47	33
	3-55	25		3-19	32		4-127	10		8-48	54
	3-57	22		3-65	24		4-131	10	188519	8-43	19
	3-57	25	175944	4-132	3		4-145	33		8-43	34
	3-105	5		12-55	7	181047	4-61	13		8-44	50
	12-55	23	176451	3-95	4		4-63	13		8-47	19
167507	3-115	25		3-99	17		12-77	13		8-47	34
167508	3-115	26	176452	8-3	43	181048	4-61	31		8-48	50
168389	8-3	27		8-7	43		4-63	32	188534	8-43	2
	8-7	27	176640	3-111	25		4-79	4		8-47	2
168718	2-31	2		4-5	29		4-81	4	189338	4-149	13
	2-33	22		4-149	6		4-83	7	189595	9-10	20
	3-5	20		4-151	6		4-87	13		10-7	22
	3-17	16		5-3	19		4-97	7		11-12	26
	3-19	9		5-10	52		4-105	22	189609	2-125	14
	3-21	21		5-16	52		4-109	10		2-139	14
	3-23	21		7-9	5		4-113	10	189614	2-129	33
	3-25	1		8-27	25		4-117	13		2-142	33

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	4-21	1	195417	12-35	1		4-43	19		8-47	23
	4-43	34	195769	2-15	10		4-44	63		8-47	37
	4-47	1		2-17	3		4-47	4		8-48	55
	4-53	28	195771	3-33	38		4-57	24	208483	4-147	29
190383	3-13	39		3-65	14	204780	3-33	2	209417	7-3	6
	4-9	8		3-95	42		3-83	2	210183	6-11	8
	4-9	31	196395	4-5	38		3-85	2	214121	3-33	28
	4-9	40	196898	4-151	9	204787	3-33	15	214364	10-7	11
	4-13	8	197066	4-43	48		3-35	3		11-11	19
	4-13	31		4-54	56		3-83	15		11-38	27
	4-13	40	197067	2-121	30		3-85	15	215211	9-3	5
	4-17	23		3-17	12		3-101	7		10-3	5
	4-21	3		3-66	58		3-103	7		11-3	5
	4-23	35		3-111	13	204790	3-33	36		11-5	5
	4-27	33		4-23	30		3-35	4	216877	8-23	9
	4-27	43		4-27	23		3-83	36	218599	5-35	14
	4-28	67		4-28	68		3-85	36		5-37	14
	4-31	12		4-32	63	204797	3-33	26	220283	3-33	9
	4-32	67		4-32	75	204824	3-33	24		3-83	9
	4-32	74		4-32	81		3-83	24		3-85	9
	4-35	12		4-35	29		3-85	24	220426	4-6	50
	4-36	64		4-36	65	204829	3-45	7	220434	3-131	16
	4-39	12		4-39	29	204830	3-45	9	220498	12-39	12
	4-40	64		4-40	65		3-47	9	220932	3-131	3
	4-43	24		4-43	40	204831	3-45	18	220961	3-13	37
	4-47	3		12-39	14		3-47	19	221355	12-35	7
	4-53	33	197345	10-9	2	204858	3-33	7	221420	2-135	38
	4-54	43		11-15	1		3-83	7		2-147	38
	4-57	20	199099	4-61	15		3-85	7		2-151	38
	4-57	20		4-63	15	204866	3-91	14	221453	2-135	36
	4-121	26	199524	8-43	11		3-103	20		2-147	36
	4-123	26		8-47	11	205120	8-43	14		2-151	36
190887	10-11	5	199563	1-5	27		8-43	29	221455	2-115	6
	10-13	5	199566	2-136	46		8-43	46	221510	2-111	21
	10-15	10		2-148	46		8-47	14	221511	2-119	22
	10-16	1		2-152	46		8-47	29	221519	4-151	10
	10-17	6	200659	5-27	26		8-47	46	221544	2-111	3
	10-19	6		5-31	10	205121	8-43	15	221550	5-35	35
	10-21	11	201797	3-19	30		8-43	30	221703	3-13	35
	10-22	1		3-65	38		8-43	47	221733	1-11	22
	10-25	12	201800	3-19	23		8-47	15		8-28	63
	10-29	12	201808	2-123	18		8-47	30		8-35	35
	11-23	12		3-19	38		8-47	47	221767	2-111	10
	11-28	12		3-96	54	205122	8-43	20	221769	2-111	13
	11-31	12	203071	6-11	9		8-43	35	221771	1-23	3
192306	3-25	6	203230	3-111	34		8-44	51		12-29	3
193008	3-5	19	204223	4-21	4		8-47	20	221773	5-35	15
	3-65	27		4-24	50		8-47	35		5-37	15
193653	3-111	31		4-27	44		8-48	51	221877	3-125	7
193772	5-4	48		4-31	13	205123	8-43	23	222029	1-11	36

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
222365	8-8	50		4-105	34		8-36	42		2-25	9
222380	5-31	5		4-109	32		8-39	23		2-27	17
222381	8-8	59		4-113	32		8-39	32		2-111	19
	8-27	35	237947	1-5	10		12-44	37		5-41	21
	8-31	33	238637	11-15	5		12-47	15	252293	4-87	36
222413	8-4	51	239503	1-5	35		12-55	33		4-125	18
	8-8	51		1-9	9	239784	12-9	14		4-127	21
222443	5-3	14		2-19	16	241074	3-33	29		4-131	21
	5-9	13		2-33	4	243147	3-19	37	253991	2-136	48
	5-15	13		2-35	29	244903	2-125	19		2-147	27
	5-27	21		2-37	15	244909	2-129	2		2-148	49
	5-31	4		2-39	29		2-141	2		2-151	27
222477	8-3	17		2-41	12	244910	2-129	2		2-152	51
222480	3-111	29		2-43	29		2-141	2	254686	2-129	21
222502	5-45	11		2-45	9	244911	2-129	2		2-141	18
222523	4-110	52		2-123	11		2-141	2		2-141	21
	4-114	52		3-19	33	244922	2-129	22	256160	3-117	4
223095	4-147	9		3-21	6		2-141	22	256674	4-105	35
223389	9-9	1		3-23	6	244925	2-129	23		4-109	35
224570	5-41	16		3-69	24		2-141	23		4-113	35
224571	5-41	15		3-73	24	244933	2-135	9	257241	4-9	16
225673	4-145	2		3-95	8		2-147	9		4-13	16
226458	12-15	7		3-99	3	245202	2-129	32		4-24	42
	12-17	7		3-111	23		2-142	32		4-28	83
	12-19	7		3-129	8	245800	2-155	18		4-32	50
226576	4-145	8		4-9	18	245996	4-94	56		4-36	77
226578	4-145	25		4-13	18		4-105	25		4-40	77
226582	4-145	5		4-14	47		4-109	33		4-44	55
226583	4-145	24		4-23	29		4-113	33		4-47	11
226584	4-145	21		4-28	58	246108	2-119	2		4-53	14
226986	6-7	30		4-28	86		2-123	19		4-57	32
227131	4-161	7		4-31	15		3-65	16	257913	9-14	5
227132	12-39	2		4-32	79		3-69	50		9-16	4
227155	1-6	45		4-35	15		3-74	65		10-25	5
230419	5-4	49		4-36	80		3-79	16		10-29	5
	5-9	20		4-39	15		4-24	51		11-20	5
	5-15	20		4-40	80		4-27	45		11-23	5
	5-35	39		4-43	5		4-31	14		11-27	5
	5-37	40		4-49	19		4-35	14		11-31	5
230882	12-39	13		4-53	17		4-39	14	258321	3-19	13
233693	8-8	48		4-57	13		5-28	48		3-49	
234038	5-35	17		4-159	8		5-33	2		3-65	23
	5-37	17		5-43	10	246855	4-57	26	258344	12-55	22
235691	5-3	31		5-45	9	246994	9-9	1	260878	3-21	16
	5-9	24		7-9	2	248128	4-145	7		3-23	16
	5-15	24		8-3	12	249289	6-7	13		3-69	12
	5-27	5		8-7	12	250371	3-33	10		3-73	12
	5-31	20		8-27	23		3-83	10	261379	2-111	17
236437	12-35	2		8-28	58		3-85	10		2-113	17
236900	4-79	19		8-31	23	251979	2-19	11		2-177	2
	4-81	22		8-32	49		2-21	22		4-149	14
	4-98	56		8-35	23		2-23	15		4-151	12

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	2-141	10		4-123	11		7-7	2		4-39	39
263958	3-49	8	277450	2-135	8		8-27	1	292508	5-27	33
263962	3-49	6		2-147	8		8-31	1		5-32	46
264159	2-115	18		2-151	8		8-35	1		9-21	3
	2-119	4	280472	3-19	2		8-39	1	292509	2-33	2
	2-121	22		3-21	24		11-38	29		3-21	13
	5-9	2		3-23	24		12-7	8		3-23	13
	5-15	2		3-65	32	288638	12-31	9		3-69	10
	5-41	25		3-69	36		12-35	4		3-73	10
264892	5-41	8		3-73	36	289344	2-125	4		5-27	34
264893	5-41	9	280644	1-5	25		2-139	4		5-32	47
264973	6-7	10	281844	2-133	1	290300	4-147	13		10-7	11
265509	2-125	12	286788	5-3	16	290303	4-147	1		12-43	15
	2-139	12	287472	5-3	32	290369	4-147	15	292512	2-123	41
266465	2-175	2		5-9	25	290370	4-147	16	292513	2-111	6
268356	4-147	14		5-15	25	290508	4-147	8	292515	1-5	37
271862	3-17	21	287503	4-21	17	290509	4-147	22		12-7	9
271949	2-129	25	287816	3-121	9	290734	3-5	4	292516	5-3	7
	2-141	25		3-123	9		3-7	4		5-9	39
273775	3-5	12		4-14	55		3-51	29		5-15	39
	3-69	17		4-43	8		3-105	14		12-7	3
	3-73	17		4-49	14	290735	3-5	5	292517	2-13	17
	3-78	2		4-51	4		3-7	5		2-15	5
	3-107	8		12-55	28		3-51	30		2-17	4
	3-109	8	287817	3-23	31		3-105	15		2-19	17
274247	2-133	3		5-3	44	291912	12-35	6		2-21	4
	2-145	3		5-9	33	291915	12-35	6		2-23	1
274648	4-147	3		5-15	33	292500	3-51	21		2-25	13
275496	4-9	27	287837	10-10	32		3-55	21		2-27	1
	4-13	27		11-15	13		3-59	30		2-29	11
	4-21	23	287844	4-23	8		4-5	21	292518	2-121	45
	4-24	68	287851	3-129	23		4-5	43	292519	5-3	8
	4-28	75		5-35	8		4-6	54		5-3	8
	4-32	45		5-37	8		4-23	4		5-9	37
	4-36	69	287854	2-13	24		4-27	4		5-15	37
	4-40	69		2-23	31		4-54	42		5-35	27
	4-43	45		2-29	3		12-73	2		5-37	27
	4-53	3		3-5	10	292501	1-3	27	292521	3-129	2
	4-121	25		3-7	10		2-121	3	292522	4-57	17
	4-123	25		3-13	9		2-123	33		5-31	37
275498	4-9	24		3-15	9		3-107	11	292523	3-129	2
	4-27	34		3-51	35		3-109	11	292524	4-57	9
	4-43	32		3-77	9		4-5	27		5-3	9
	4-54	53		3-105	3		4-31	34		5-10	41
277446	4-94	60		3-129	23		4-53	7		5-15	41
	4-98	60		7-3	23	292502	4-23	8	292527	10-36	34
	4-105	23	287860	3-129	30		4-27	8		11-16	33
	4-109	13		5-4	54		4-41	93		11-38	37
	4-113	13		5-4	54		4-49	11	292528	1-3	2
	4-117	3		5-9	21		9-22	14		5-4	52
	4-119	3		5-15	21		12-55	9		5-41	30

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	11-15	15		4-35	7		3-59	13		12-43	23
292530	11-15	15		4-39	7		3-63	3		12-47	16
292532	9-9	9		4-54	52		3-69	37		12-59	4
	10-7	6		12-53	15		3-73	37		12-61	4
	11-11	14		12-71	2		3-95	6	292682	1-6	38
	11-15	10		12-75	6		3-96	62		2-7	9
292533	7-3	26	292680	2-111	7		3-99	4		2-13	25
	9-21	11		2-113	7		3-99	22		2-21	15
	9-22	11		3-23	32		3-107	5		2-23	32
	10-36	32		3-51	23		3-109	5		2-29	4
	11-37	16		3-55	23		3-111	24		2-31	12
292534	11-37	19		3-57	38		3-121	14		2-111	7
292536	1-3	13		3-59	24		3-123	14		2-121	46
292588	5-41	33		4-5	24		3-129	32		2-123	42
292607	1-9	2		4-5	42		4-5	35		3-5	11
292608	1-9	2		4-6	55		4-9	17		3-7	11
292611	1-9	2		4-9	4		4-13	17		3-13	5
292612	1-9	2		4-13	4		4-23	28		3-15	5
292613	1-9	2		4-14	57		4-27	37		3-51	36
292616	1-9	2		4-23	6		4-28	85		3-55	37
292620	5-41	31		4-24	43		4-31	10		3-77	5
292654	4-5	31		4-27	6		4-32	78		3-105	4
292656	1-23	4		4-28	82		4-35	10		3-129	18
	8-21	9		4-31	26		4-36	79		3-129	27
292667	4-17	17		4-35	26		4-39	10		4-21	12
	4-43	49		4-39	26		4-40	79		4-57	10
	4-47	24		4-43	9		4-43	7		4-155	19
	4-54	47		4-49	16		4-49	20		5-3	10
	4-159	14		4-51	6		4-53	16		5-9	22
292668	4-9	10		4-53	10		4-57	14		5-15	22
	4-13	10		4-57	21		4-159	7		5-35	20
	4-23	21		5-4	45		5-4	50		5-37	20
	4-27	25		5-9	34		5-10	50		6-3	20
	4-27	41		5-15	34		5-16	50		7-3	21
	4-28	57		12-55	10		5-35	9		7-7	3
	4-31	7	292681	1-5	34		5-37	9		8-3	23
	4-35	8		1-9	11		5-43	9		8-7	23
	4-39	8		2-19	22		5-45	8		8-27	2
	4-54	49		2-35	24		6-3	24		8-31	2
	12-75	7		2-37	13		7-3	14		8-35	2
292678	2-31	17		2-39	24		7-9	4		8-39	2
	4-17	16		2-41	13		8-3	13		12-7	4
	4-43	17		2-43	24		8-7	13		12-55	32
	4-47	26		2-45	10		8-27	22	292683	1-3	3
	4-159	13		2-123	9		8-28	61		1-23	5
292679	4-10	43		3-9	4		8-31	22		2-21	12
	4-13	43		3-11	4		8-32	52		2-23	19
	4-23	20		3-17	17		8-35	22		3-13	28
	4-27	24		3-19	34		8-35	33		3-15	25
	4-27	39		3-21	7		8-39	22		3-77	25
	4-28	55		3-23	7		8-39	41		5-4	53

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	5-41	2	296028	10-9	6		11-20	6		3-59	40
	5-41	2	296053	8-21	2		11-23	6	302054	12-39	9
	8-21	8	296128	3-129	8		11-27	6	302224	4-41	97
	8-23	8	296130	3-13	27		11-31	6	302235	2-31	16
	9-21	10		3-15	24	300738	6-7	26	302244	4-5	10
	10-10	28		3-77	24	300751	6-7	33	302245	4-5	39
	11-16	25		7-3	27	300752	6-7	34		4-31	30
	12-5	4	296150	4-17	15	300758	5-41	21		4-36	44
292684	2-11	11	296158	4-17	13	300765	6-7	8		4-40	44
	4-54	45	296205	6-5	6	300766	6-7	9		4-49	8
292689	1-9	8	296225	2-119	25	300767	6-7	11	302246	4-23	18
293600	4-53	22	296360	12-41	2	300794	5-41	1		4-27	22
293611	8-28	54	296379	4-10	54	300800	5-41	14		4-31	4
	8-36	54	296417	12-73	3	300801	5-41	17		4-35	5
293612	8-28	53	296418	2-111	15	300932	2-7	2		4-36	53
	8-36	53		2-113	15		2-9	2		4-39	5
293614	2-111	14		3-19	35		2-11	2		4-40	53
	2-113	14		3-21	8	300937	2-7	10		4-51	2
293646	12-15	9		3-23	8		2-9	9	302248	12-75	4
	12-17	9		5-27	11		2-11	9	302250	4-24	46
	12-19	9		5-31	24		6-7	4		4-27	40
293647	12-5	3		12-41	11		9-9	12		4-28	56
293648	6-7	2	296421	2-116	39		10-7	9		4-31	30
293650	8-21	7	296422	2-111	13		10-9	17		4-36	44
	8-23	7		2-113	13		10-36	33		4-40	44
293657	5-37	37		9-9	10		11-11	17	302385	2-111	8
293658	2-7	1		10-7	7		11-15	16		5-3	6
	2-9	1		11-11	15		12-29	4		5-9	12
	2-11	1	296423	1-3	4	300939	1-3	15		5-15	12
293661	4-54	46		1-23	3		2-7	8	302397	12-15	11
293686	2-9	17		12-29	3		2-9	8		12-17	11
	2-121	27	296424	2-111	10		2-11	8		12-19	11
	6-7	38		2-113	10		3-13	4	302398	4-36	55
293704	12-9	7	296426	2-9	18		3-15	4		4-40	55
293743	3-19	21		2-121	28		3-77	4		6-5	7
	3-65	11		9-10	23	300982	8-21	4	302399	4-25	84
293762	6-3	34		10-9	18		8-23	4		4-27	9
293779	6-3	35		11-11	4		8-25	12		4-35	41
293795	10-36	12		11-16	19	301190	2-125	3		4-39	41
	11-37	20		12-15	8	301195	2-129	34	302400	6-3	27
293799	10-35	5		12-17	8		2-142	34		7-7	14
294643	12-13	6		12-19	8	301793	2-181	8	302461	10-10	26
295649	10-11	6	296431	12-9	8	302021	4-17	3		11-16	32
	10-13	6	296435	1-9	15		4-44	60	302462	9-6	10
	10-15	9		12-9	8		4-47	23		11-5	9
	10-16	2	296472	6-3	15	302026	4-43	47	303072	3-33	16
	10-17	7	296486	4-17	11	302027	4-54	55		3-83	16
	10-19	7	296508	12-71	3	302028	4-10	49		3-85	16
	10-21	10	297531	9-14	6	302030	4-51	7	304406	5-35	3
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304619	2-125	2		5-41	3	316678	12-69	4		4-47	25
	2-139	2	313805	3-121	11	316825	3-19	22		4-51	8
304620	2-125	2		3-123	11		3-65	12		4-159	12
	2-139	2		4-5	22	316826	2-13	18		4-161	20
305080	3-5	2		9-22	15		2-15	6	320155	3-125	10
	3-7	2		12-39	11		2-17	5		4-5	11
	3-51	27	313828	3-9	7		2-19	21		4-23	19
	3-105	12		3-11	7		2-21	8		4-27	38
305100	4-149	12		3-17	18		2-23	2		4-28	54
	4-151	11		3-25	19		2-25	17		4-31	5
305371	2-111	9		3-51	9		2-27	5		4-35	6
	2-113	9		3-55	9		2-29	15		4-39	6
306200	12-35	1		3-57	40		3-13	10		4-54	51
	12-35	1		3-59	26		3-13	23		6-3	10
306209	12-35	1		3-63	4		3-15	10		12-71	4
306774	2-125	1		3-66	60		3-15	20		12-75	5
	2-139	1		3-96	63		3-77	10	320156	1-5	29
308624	2-135	24		3-99	21		3-77	20		2-121	4
	2-147	24		3-107	6		4-57	18		2-123	34
	2-151	24		3-109	6		10-9	4		3-121	10
308980	8-27	12		3-111	18		11-37	3		3-123	10
	8-31	12		3-121	6	316828	2-9	15		3-129	4
	8-35	12		3-123	6		2-121	29		4-5	28
	8-39	12		8-27	24	316834	4-41	94		4-6	56
309062	10-26	15		8-31	24		4-49	12		4-14	45
	10-30	15		8-35	24		8-27	13		4-23	5
	11-24	15		8-39	24		8-31	13		4-27	5
	11-28	15		9-10	26		8-35	13		4-31	25
	11-32	15		9-21	5		8-39	13		4-35	25
309109	3-125	9		10-7	12		12-73	4		4-39	25
	8-27	9		10-36	9	316835	8-28	62		4-41	95
	8-31	9		11-12	24		8-32	53		4-43	11
	8-35	9		11-15	9		8-35	34		4-49	13
	8-39	9		11-37	8		8-39	42		4-53	9
309124	4-9	13		12-9	10		8-39	45		4-57	22
	4-13	13		12-9	10		12-41	12		6-3	21
	4-24	61	314539	2-129	8		12-43	17		8-4	55
	4-28	79		2-141	8		12-59	6		8-8	55
	4-32	46	314773	4-85	5		12-61	6		12-39	16
	4-36	73	314775	4-79	13	317075	6-7	24		12-53	13
	4-40	73		4-81	14	317076	6-7	23		12-55	29
	4-44	52		4-87	16	317679	5-41	3	320157	2-33	3
	4-53	13		4-125	16	317735	10-33	7		2-35	31
309651	3-17	31		4-127	24		11-35	7		2-37	11
	3-111	40		4-131	24		12-15	18		2-39	31
309656	3-111	36	316132	4-5	17		12-17	13		2-41	14
309831	5-35	18		4-5	17		12-19	13		2-43	31
	5-37	18		7-3	30	318375	3-19	28		2-45	11
310081	4-147	17	316306	9-9	17	320154	4-10	50		2-121	21
310085	4-147	7		10-7	18		4-41	98		3-9	5

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	3-11	5		2-27	4		3-15	11		3-51	13
	3-25	22		2-123	8		3-77	11		3-55	13
	3-51	11		3-17	3		3-129	25	324052	2-125	3
	3-55	11		3-17	26		4-57	19		2-139	3
	3-57	37		3-25	20		4-155	20	324864	6-7	5
	3-59	23		3-66	61		5-4	55	325616	11-16	38
	3-63	2		3-95	5		7-3	20	325708	3-129	3
	3-69	25		3-96	61		8-3	24	325789	4-74	1
	3-73	25		3-99	5		8-7	24	325897	4-24	44
	3-95	24		3-99	23		10-9	7		4-28	51
	3-99	28		3-111	17	320160	3-129	11		4-31	21
	3-107	4		3-111	42		11-38	30		4-35	21
	3-109	4		3-121	7		12-7	6		4-39	21
	3-111	3		3-123	7	320161	1-3	14		4-43	20
	4-5	33		3-129	9		1-3	14		5-28	45
	4-9	9		4-5	30		6-7	3	326477	12-31	13
	4-13	9		4-9	5		10-9	16	326488	5-41	1
	4-24	66		4-13	5		10-36	35	326498	6-7	32
	4-28	60		4-24	47		11-16	24	326504	2-57	18
	4-31	16		4-28	84		11-38	38		2-59	2
	4-35	16		4-32	53	320165	11-16	40		2-73	2
	4-39	16		4-32	77	320264	5-35	26		2-77	30
	4-43	6		4-35	40		5-37	26		2-79	1
	4-149	7		4-39	40	321734	2-129	38		2-81	1
	4-151	5		4-44	56		2-142	38		2-83	1
	4-159	6		4-53	15	321792	8-19	4		2-85	2
	5-27	35		7-7	15	321797	8-19	3		2-87	2
	5-31	38		8-27	21	322637	12-33	5		2-89	3
	5-43	8		8-28	60	322638	12-33	6		2-93	5
	5-45	7		8-31	21	322784	4-5	37		2-105	14
	7-9	3		8-32	51	322824	9-16	10		2-107	17
	8-3	6		8-35	21		10-13	13		2-109	3
	8-7	6		8-36	44		10-16	11	326516	3-33	12
	8-28	41		8-39	21		10-19	14		3-83	12
	8-28	59		8-39	40		10-22	12		3-85	12
	8-31	39		11-38	28	322902	9-16	12	326608	2-79	37
	8-32	50		12-73	6		10-13	11		2-83	37
	8-36	41	320159	1-6	40		10-16	10	326612	2-53	3
	8-36	43		1-9	13		10-19	12		2-55	6
	8-39	33		2-13	20		10-22	11		2-71	6
	8-39	39		2-13	26	323090	9-9	11	326747	2-75	4
	9-9	14		2-15	8		10-7	8	326748	2-61	5
	10-7	10		2-17	7		11-11	16		2-63	5
	11-11	18		2-19	20	323541	3-33	35		2-75	5
	11-16	41		2-21	7		3-83	35	326749	2-61	6
	12-43	7		2-23	4		3-85	35		2-63	6
	12-43	16		2-23	4		3-91	5		2-75	6
	12-43	21		2-25	16	323594	12-35	8	326850	2-101	10
	12-47	24		2-29	5	323598	12-35	10	326889	4-155	5
	12-55	8		2-29	14	323599	12-35	9	326898	2-101	25
320158	1-5	32		2-31	13	323864	3-7	12		2-103	20
	1-9	10		3-13	11		3-25	3	326926	3-33	11

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	3-83	11	334450	5-3	21		2-33	20	346656	2-35	25
	3-85	11		5-10	45		2-35	18		2-37	8
328390	5-41	12		5-16	45		2-37	22		2-39	25
329064	12-31	3	334452	5-3	22		2-39	18		2-41	8
329067	1-3	7		5-10	43		2-41	21		2-43	25
	3-17	2		5-15	43		2-43	18		2-45	5
	3-19	5	334453	5-35	5		2-45	18		5-27	44
	3-21	25		5-37	5	337174	11-11	1		12-44	40
	3-23	25	334454	5-7	31	337179	9-10	18	346795	5-7	5
	3-25	21	334475	5-7	12		10-7	21		5-7	15
	3-65	34		5-7	24		11-12	27	346796	5-19	9
	3-69	1		5-19	11	339529	6-7	27	346842	5-35	6
	3-73	1		5-21	11	340405	3-65	15		5-37	6
	3-95	23		5-23	13	340796	2-7	3	346843	5-35	6
	3-99	27	334480	5-7	7		2-9	3		5-37	6
	3-111	2		5-7	20		2-11	3	346844	5-35	6
	4-167	3	334500	5-27	6	341462	8-43	40		5-37	6
	8-3	2		5-31	28		8-47	40	346845	5-35	6
	8-7	2	334524	5-27	3	342734	5-35	24		5-37	6
	12-41	2	334525	5-27	4		5-37	24	346846	5-35	6
329073	3-66	45	334531	5-27	9	343029	4-147	5		5-37	6
	3-69	28		5-31	26	343031	4-147	10	346847	5-35	6
	3-73	28	334532	5-27	12	343032	4-147	12		5-37	6
332277	3-33	13	334542	5-27	27	344233	4-147	18	347746	5-35	21
	3-83	13		5-31	12	344234	4-147	24		5-37	21
	3-85	13	334543	5-27	13	345423	6-3	2	347767	5-7	28
332755	7-3	12		5-31	13	345453	2-31	5	347768	5-7	29
	12-41	7	334560	5-3	24		2-33	19	347770	5-7	32
333642	2-61	15		5-9	17		2-35	17	347773	5-7	33
	2-63	15		5-15	17		2-37	20		5-13	3
	2-75	15	334571	5-3	11		2-39	17	349366	3-66	51
334156	9-16	15		5-9	3		2-41	20	349378	2-155	14
	11-20	9		5-15	3		2-43	17	350484	5-27	20
334402	5-7	4	334580	5-35	36		2-45	16		5-31	14
	5-7	16	334582	5-27	22	345454	2-31	7	350485	8-43	7
	5-19	3		5-31	7		2-33	17		8-47	7
	5-21	3	334587	5-35	2		2-35	15	350818	2-121	19
	5-23	2		5-37	2		2-37	21		4-151	7
334417	5-7	9	334595	5-7	6		2-39	15	352075	5-7	35
	5-7	21		5-7	18		2-41	18	352485	3-129	6
	5-19	8	334717	6-7	40		2-43	15	352499	3-129	28
334429	5-7	27	335012	9-16	14		2-45	17	352885	3-129	29
	5-13	9		11-20	11	345897	12-35	11	352950	3-129	13
	5-13	9	335047	8-3	20	346330	4-61	30	352969	3-131	18
334439	5-7	3		8-7	20		4-63	31	353000	3-17	4
	5-7	17	335553	1-11	33		4-74	5		3-25	23
334442	5-7	11	335988	1-11	35	346645	5-27	15		3-65	35
	5-7	23	335991	1-11	34		5-31	31		3-95	25
334447	5-35	7	336087	12-31	1	346648	5-27	8		3-99	29
	5-37	7	336094	12-33	1		5-31	30		3-111	4
334449	5-7	8	336393	9-9	1	346650	5-27	16		8-3	7
	5-7	19	336550	2-31	8		5-31	29		8-7	7

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353141	3-129	3	361338	2-155	15		2-43	39		3-73	45
353142	3-129	21	361876	5-27	24		2-45	30	373833	5-28	49
353143	3-129	22		5-31	11		2-45	31		5-32	48
353154	3-131	4	361877	5-27	23	369815	3-7	18	374713	3-33	3
353159	3-129	13		5-31	8		3-23	40		3-83	3
353164	3-129	20	361893	5-7	14		3-65	2		3-85	3
353165	3-131	15	361895	5-7	13		3-66	43	374922	3-5	6
353168	3-131	5	364807	1-11	24		3-69	8		3-7	6
353172	3-129	15	364808	1-11	25		3-70	54		3-51	31
353175	3-131	11	364854	1-11	30		3-73	8		3-105	16
353195	3-129	12	364914	1-11	21		3-96	58	374923	3-5	7
353198	2-121	41	365854	2-157	7	369922	5-27	14		3-7	7
	2-123	2	366115	11-35	5	370169	2-126	29		3-51	32
	3-66	46		12-19	20		2-142	36		3-105	17
	3-69	27	366116	9-19	5	370250	1-19	3	375550	2-125	1
	3-73	27		10-33	5	370251	1-19	3	375555	2-125	25
	3-81	15		12-15	16	370252	1-19	3	375572	2-125	23
	3-96	52		12-17	20	370253	1-19	3		2-139	23
353230	3-129	16	366473	3-19	10	370254	1-19	3	375584	2-148	47
353291	4-57	3		3-51	40	370255	1-19	3	375601	2-125	22
353310	2-35	19		3-65	8	370256	1-19	3		2-139	22
	2-37	30		3-69	38	370257	1-19	3	375634	6-11	1
	2-39	19		3-73	38	370258	1-19	3	375635	6-11	2
	2-41	36		3-74	58	370259	1-19	3	375984	7-3	17
	2-43	19	367224	4-9	35	370646	4-5	7	375986	5-27	17
	2-45	33		4-13	35	370647	4-5	8		5-31	34
353311	3-21	1		4-17	18		4-23	16	376949	4-159	15
	3-23	1	367420	1-27	1		4-27	20	377209	3-23	34
	3-69	7	367421	1-27	1		4-31	3		3-65	9
	3-73	7	367423	1-27	1		4-35	4	377213	3-74	61
	3-74	55	367945	5-27	18		4-36	46	377841	12-31	10
353397	3-131	1		5-31	33		4-39	4		12-35	5
353422	3-131	6	368702	1-25	3		4-40	46	377844	12-31	8
353432	3-131	7	368703	1-27	3	370730	4-74	6	377845	12-31	11
353448	3-131	8	368705	1-25	5		4-79	5	377846	12-31	7
353453	3-129	14		1-27	5		4-81	5	377976	2-175	3
356505	10-9	11	368706	1-25	2		4-83	9	378424	8-43	6
	11-15	7		1-27	2		4-87	6		8-47	6
357749	9-10	19	368707	1-25	4		4-98	63	379197	1-11	28
	10-7	14		1-27	4		4-105	39	379198	1-11	29
	11-12	28	369242	4-159	4		4-109	42	379199	1-12	42
359207	3-131	10	369804	2-31	28		4-113	42	379405	3-7	17
359221	5-27	25		2-35	5		4-125	1	379407	2-121	14
	5-31	9		2-35	22		4-127	4		2-130	40
359223	5-27	2		2-35	23		4-131	4		2-142	40
359340	12-35	11		2-37	28	370863	4-5	6	379697	1-12	43
359341	12-35	12		2-37	29	370864	4-5	15	379698	1-12	40
360318	5-7	34		2-37	34	370868	4-5	16	380478	5-3	1
360387	2-111	18		2-41	33		4-5	16		5-9	1
	2-119	23		2-41	34	372002	3-19	18		5-35	28
	3-95	18		2-43	5		3-74	60	380479	5-35	28
	3-131	3		2-43	23	372003	3-69	45	380481	5-35	34

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
380483	5-35	32	387869	4-5	16	878219	4-61	35	1300107	1-11	23
380485	5-35	33	387892	4-5	34		4-63	36	1300117	1-5	33
380486	5-35	30	388305	2-135	25	878226	12-43	8	1300134	12-51	2
380488	5-35	31		2-147	25	878227	12-43	8	1300152	3-51	20
380489	5-35	29		2-151	25	878233	12-44	34		3-55	20
381002	12-33	3	388316	2-135	39	878258	2-13	13		3-57	20
381004	12-33	3		2-147	39	878490	12-43	27		3-59	12
381250	2-129	3		2-151	39	878491	12-43	26	1300295	2-129	27
	2-141	3	388321	2-125	13	878574	8-3	16		2-141	27
381270	2-129	3		2-139	13		8-7	16	1301016	3-95	13
	2-141	3	388323	2-129	16	878782	8-3	19		3-99	7
381271	2-129	3		2-141	16		8-7	19	1301150	12-51	9
	2-141	3	388361	2-145	1	878903	12-43	11	1301156	12-41	6
381298	6-7	36	388364	2-125	24	878904	12-43	11	1301160	12-41	6
381919	4-69	8		2-139	24	878906	12-43	27	1301233	12-51	3
	4-71	8	389688	1-19	24	878907	12-43	5	1301286	12-69	1
	4-74	7	398184	4-17	38	878908	12-43	22	1301601	3-111	33
	4-81	20	615130	12-13	5	878909	12-44	41	1301675	12-51	1
	4-85	13	636851	12-13	7	878989	3-17	21	1301720	4-94	57
	4-125	41	636941	10-26	14	893308	3-65	19		4-98	57
	4-127	32		10-30	14	893320	3-65	27		4-105	24
	4-131	32		11-24	14	895963	3-99	17		4-109	30
	12-66	9		11-28	14	895972	12-44	44		4-113	30
381938	3-7	20		11-32	14		12-47	20		4-117	9
	3-23	36	637565	10-26	16		12-51	14		4-119	15
383116	1-11	31		10-30	16		12-53	26		4-125	33
383789	12-13	8		11-24	16	895973	12-44	45		4-127	22
384101	8-21	10		11-28	16		12-51	15		4-131	22
385474	8-43	8		11-32	16		12-53	27	1301727	12-39	19
385531	2-155	12	637635	9-16	5	895974	12-44	46	1301783	4-69	19
385599	2-163	11	638246	9-14	12	895976	12-53	28		4-71	19
385855	8-43	17		11-20	11	895977	12-53	25		4-79	10
	8-43	32	806555	12-35	12	895978	12-53	24		4-81	10
	8-44	49	806556	12-31	4	930590	4-121	23		4-83	17
	8-47	17	806557	12-33	4		4-123	23		4-87	43
	8-47	32	815597	4-10	51	930591	4-121	20		4-105	33
	8-48	49		4-41	99		4-123	20		4-109	20
386071	4-145	11		4-51	9	931586	3-51	39		4-113	20
386459	2-165	8	842863	2-155	16	980542	12-33	6		4-125	40
	2-175	6	864737	3-13	41	981260	3-115	7		4-127	11
387455	7-3	8	864858	3-13	40	982155	2-155	11		4-131	11
387478	3-33	33	878091	12-43	12	983255	4-153	17	1301870	9-9	1
	3-83	33	878092	12-43	12	983322	3-115	28	1302024	12-39	7
	3-85	33	878133	12-43	3	986475	2-181	6	1302258	4-167	7
387480	3-33	34		12-47	21	992025	2-181	7	1302972	5-28	46
	3-83	34	878138	12-41	4	996297	5-4	57	1302973	5-27	43
	3-85	34	878141	12-53	21		5-7	36		5-31	36
387481	3-33	37	878143	12-43	28	996336	4-141	15	1304950	3-17	24
	3-83	17	878146	12-43	9	996414	1-20	26		3-25	14
	3-85	17	878148	12-43	32	996423	3-5	27	1305436	2-39	20
387867	7-7	11	878149	12-43	9		3-52	43		2-41	31
	7-7	11	878163	12-53	23	1151325	2-123	21		2-43	20

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	2-45	28	1310142	4-69	27		11-20	8		4-69	16
1306033	2-179	5		4-71	12	1320669	4-5	3		4-89	8
1306143	2-175	13	1310370	9-16	7		4-24	54		4-93	8
1306182	2-165	7	1310599	6-7	17		4-28	49		4-97	8
1306270	4-69	18	1310630	12-41	8		4-31	19		4-103	6
	4-71	18		12-51	11		4-35	19		4-105	6
1306349	3-119	5	1312331	5-27	41		4-39	19		4-107	6
1306355	2-177	12	1312813	2-135	27		12-51	8		4-109	6
1306357	2-165	24		2-147	27	1320893	7-3	29		4-113	6
1306358	4-153	16		2-151	27	1321149	6-11	7		4-121	31
1306359	2-163	13	1314381	2-119	1	1321174	6-7	31		4-125	24
	2-165	26		4-23	37		6-11			4-127	30
	2-165	37		4-29	94		8-3	45		4-132	2
	2-179	7		4-31	39		8-7	45	1323580	4-107	25
	2-181	18	1314392	4-24	65	1322627	5-3	25	1323581	4-59	29
1306361	2-179	28		4-28	61		5-10	46		4-61	29
1306362	2-165	9		4-31	24		5-16	46		4-63	30
	2-165	29		4-35	24	1322902	12-57	2		4-87	9
1306374	2-175	4		4-39	24	1322903	12-57	3		4-103	14
1307641	8-21	6	1315425	6-7	18	1322905	12-57	6		4-105	14
1307875	2-175	23	1315499	2-181	12	1322909	12-57	10		4-107	14
1307880	2-175	12	1315766	2-165	23	1322910	12-57	11		4-109	19
1307881	2-157	20	1316496	3-17	25	1322911	12-57	12		4-113	19
	2-165	12		3-25	15	1322912	12-57	13	1323583	4-65	11
	2-181	3	1316809	5-3	28	1323052	1-3	17		4-67	13
1307883	2-169	21		5-9	23	1323575	4-89	45		4-69	17
	2-179	9		5-15	23		4-94	45		4-71	17
1307887	2-163	9	1317468	2-115	11		4-97	45		4-107	27
1307891	2-165	36		2-119	10		4-107	22		4-132	2
	4-153	15		2-123	1		4-109	28	1323586	4-83	14
1307894	2-179	8	1318306	4-153	14		4-113	28		4-83	31
1307895	2-173	3	1318940	2-173	4		4-117	19		4-89	33
1307898	2-165	30		2-175	15	1323576	4-93	32		4-93	33
1307900	2-165	33	1318965	2-165	34		4-94	48		4-97	33
1307901	2-165	25	1318968	2-165	31		4-97	32		4-107	24
1307908	2-165	28	1319175	4-53	20		4-97	48		4-109	31
1307909	2-165	10	1319190	2-119	11		4-107	23		4-113	31
1307910	3-115	5		4-24	40		4-109	29		4-117	10
1308006	3-117	5		4-29	93		4-113	29		4-119	18
1308030	2-165	35		4-32	57		4-132	6	1324006	2-135	19
1308259	4-61	19		4-36	84	1323577	4-125	39		2-147	19
	4-63	19		4-41	84		4-127	34		2-151	19
	4-79	12	1319668	9-14	9	1323578	4-89	25	1324029	7-11	2
	4-81	13		9-16	7		4-93	25	1324035	7-11	9
	4-83	23		10-11	12		4-97	25	1324040	7-11	6
	4-87	15		10-13	14		4-107	16	1324041	7-11	7
	4-125	17		10-15	4		4-109	22	1324042	7-11	8
	4-127	23		10-16	13		4-113	22	1324048	7-11	4
	4-131	23		10-17	13		4-121	30	1324278	4-9	26
1309419	8-43	6		10-19	15		4-123	7		4-13	26
	8-47	6		10-21	5	1323579	4-65	12	1324307	12-41	7
1309775	12-39	6		10-22	14		4-67	14		12-41	7

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1324308	12-41	7		4-32	51		4-61	22		4-103	15
	12-41	7		4-36	81		4-63	17		4-105	15
1324309	4-69	22		4-40	81		4-81	11		4-107	17
	4-71	22		4-44	57		4-83	5		4-109	23
1324310	4-69	23		4-53	18		4-87	8		4-113	23
	4-71	23	1327161	7-3	2		4-87	12	1330292	4-83	6
	4-79	21	1327164	4-89	41		4-90	54		4-87	5
	4-81	24		4-93	41		4-94	54		4-89	29
	4-87	26		4-97	41		4-98	54		4-93	29
1324311	4-79	7		4-103	20		4-103	21		4-97	29
	4-81	7		4-105	20		4-105	21		4-103	18
	4-125	15		4-107	26		4-107	29		4-105	18
	4-127	16		4-109	39		4-119	27		4-107	20
	4-131	16		4-113	39		4-121	5		4-109	26
1324312	4-79	8	1327246	5-41	18		4-123	5		4-113	26
	4-81	8	1327414	8-47	4		4-125	11		4-117	4
	4-125	14	1327415	8-47	1		4-127	7		4-119	6
	4-127	17	1327951	4-23	3		4-131	7	1330293	4-14	60
	4-131	17		4-27	3		12-55	5		4-23	10
1324517	4-21	5	1327957	4-89	43		12-65	7		4-27	14
	4-44	64		4-93	43		12-77	1		4-31	2
	4-47	5		4-97	43	1329148	4-90	53		4-35	3
	4-57	27	1327958	4-89	24		4-94	53		4-36	47
1324557	7-3	28		4-93	24		4-98	53		4-39	3
1325119	8-21	13		4-97	24		12-77	2		4-40	47
1325271	1-19	18		4-107	15	1329150	12-75	3		4-49	2
1326394	4-135	1		4-109	21	1329151	4-89	6	1330296	4-89	32
	4-137	1		4-113	21		4-93	6		4-89	48
1326395	4-135	2		4-117	18		4-97	6		4-93	32
	4-137	2	1327959	4-90	52		12-77	4		4-94	48
1326396	4-135	3		4-94	52	1329152	4-89	5	1330297	4-90	51
	4-137	3		4-98	52		4-93	5		4-94	51
1326397	4-135	4	1327960	4-89	47		4-97	5		4-98	51
	4-137	4		4-94	47		12-77	3	1330298	4-59	13
1326398	4-135	5	1327961	3-95	37	1329250	6-3	4		4-61	20
	4-137	5	1328680	8-3	18	1329271	2-31	19		4-79	15
1326399	4-135	6	1328692	5-3	34		2-33	10		4-81	17
	4-137	6		5-9	7		2-35	8		4-83	5
1326536	4-135	7		5-15	7		2-37	24		4-87	10
	4-137	7	1328822	8-19	6		2-39	8		4-89	10
1326537	4-135	9	1328828	8-13	16		2-41	24		4-93	10
	4-137	9	1328890	3-13	29		2-43	8		4-97	10
1326538	4-135	11		3-15	26		2-45	21		4-103	8
	4-137	11		3-70	51	1329272	2-31	20		4-105	8
1326663	1-25	1		3-77	26	1329286	2-7	14		4-107	8
1326664	1-25	1	1328930	8-27	7	1329567	2-119	3		4-109	8
1326666	1-25	1		8-31	7	1330281	4-89	27		4-113	8
1326931	4-149	2		8-35	7		4-93	27		4-117	14
1326939	4-9	19		8-39	7	1330283	4-87	7		4-119	26
	4-13	19	1329147	4-59	15		4-89	26		4-121	6
	4-24	41		4-59	17		4-93	26		4-123	6
	4-28	87		4-61	17		4-97	26		4-125	12

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	4-131	5		4-93	13		4-71	13		4-127	1
	12-55	3		4-97	13		4-103	16		4-131	1
1330299	4-59	16		4-103	11		4-105	16		12-77	5
	4-61	16		4-105	11		4-107	18	1330424	4-59	12
	4-63	16		4-107	11		4-109	24		4-61	12
	4-65	10		4-109	16		12-66	1		4-63	12
	4-67	12		4-113	16	1330420	4-59	4		4-67	11
	4-69	15		4-117	12		4-61	4		4-69	14
	4-89	7		4-119	24		4-63	4		4-71	14
	4-93	7	1330383	3-95	32		4-125	35		4-103	17
	4-103	5	1330409	1-11	6		4-127	9		4-105	17
	4-105	5		4-74	2		4-131	9		4-107	19
	4-107	5		4-117	16	1330421	4-59	9		4-109	25
	4-109	5		4-119	29		4-61	9		12-66	2
	4-113	5		12-65	9		4-63	9	1330426	4-59	5
	12-65	6	1330410	3-131	13		4-65	14		4-61	5
1330301	4-23	17	1330411	12-62	1		4-67	17		4-63	5
1330302	4-89	34		12-63	1		4-69	20		4-125	36
	4-93	34		12-75	2		4-71	20		4-127	14
1330303	4-89	35	1330412	4-71	15		4-85	1		4-131	14
	4-93	35		4-73	7		4-105	27	1330427	4-59	10
1330304	4-89	36		4-77	1		4-113	24		4-61	10
	4-93	36		12-66	6		4-119	20		4-63	10
1330324	3-96	67	1330413	4-65	5		12-65	4		4-69	21
	3-100	50		4-67	5		12-66	4		4-71	21
1330325	3-25	27		4-69	5		12-77	11		4-85	2
	3-95	36		4-71	5	1330422	4-59	1		4-105	28
	3-99	47		4-73	1		4-61	1		4-113	25
1330326	3-25	30		12-77	9		4-63	1		12-65	5
	3-95	35	1330414	1-11	6		4-117	23		12-66	5
	3-99	46		4-74	3		4-119	14		12-77	12
1330342	3-95	3		4-117	17		12-65	1	1330428	4-59	2
	3-99	16		4-119	30	1330423	4-59	6		4-61	2
1330355	4-89	14		12-65	10		4-61	6		4-63	2
	4-93	14	1330415	3-131	13		4-63	6		4-117	24
	4-97	14	1330416	12-62	2		4-79	1		4-119	28
	4-103	12		12-63	2		4-81	1		12-65	2
	4-105	12	1330417	4-71	16		4-83	10	1330429	4-59	7
	4-107	12		4-73	8		4-87	1		4-61	7
	4-109	17		4-77	2		4-89	1		4-63	7
	4-113	17		12-66	7		4-93	1		4-79	2
1330356	4-89	15	1330418	4-65	6		4-97	1		4-81	2
	4-93	15		4-67	6		4-103	1		4-83	10
	4-97	15		4-69	6		4-105	1		4-87	2
	4-103	13		4-71	6		4-107	1		4-89	2
	4-105	13		4-73	2		4-109	1		4-93	2
	4-107	13		12-77	10		4-113	1		4-97	2
	4-109	18	1330419	4-59	11		4-117	1		4-103	2
	4-113	18		4-61	11		4-119	1		4-105	2
	4-121	22		4-63	11		4-121	1		4-107	2
	4-123	22		4-67	10		4-123	1		4-109	2

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
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	4-119	2		4-71	3		4-131	42		3-73	43
	4-121	2		4-73	6	1331245	12-51	12	1334400	4-141	1
	4-123	2		4-77	4	1331325	2-125	8	1334401	4-141	2
	4-125	5		4-79	14		2-139	8	1334402	4-141	3
	4-127	28		4-81	16	1331329	2-133	4	1334403	4-141	4
	4-131	28		4-83	10		2-145	4	1334404	4-141	5
	12-77	6		4-87	4	1331330	2-133	12	1334405	4-141	6
1330433	1-11	6		4-89	4		2-145	12	1334406	4-141	7
	4-73	3		4-93	4		4-141		1334407	4-141	8
1330435	3-131	13		4-97	4	1331331	2-133	8	1334408	4-141	9
	4-74	4		4-103	4		2-145	8	1334409	4-141	10
1330437	4-65	7		4-105	4	1331335	2-125	7	1334410	4-141	11
	4-67	7		4-107	4		2-139	7	1334411	4-141	12
	4-69	7		4-109	4	1331336	2-125	7	1334412	4-141	13
	4-71	7		4-113	4		2-139	7	1334413	4-141	14
	12-65	11		4-121	4	1331341	2-135	2	1334638	7-5	9
	12-66	8		4-123	4		2-147	2	1334639	7-5	8
	12-77	8		4-125	4		2-151	2	1334642	7-5	6
1330438	4-59	3		4-127	27	1331343	2-129	12	1334645	7-5	21
	4-61	3		4-131	27		2-141	12	1334646	7-5	21
	4-63	3	1330450	2-125	5	1331344	2-129	14	1334647	7-5	2
	4-65	2		2-139	5		2-141	14	1334648	7-5	1
	4-67	2	1330452	2-135	37	1331349	2-129	20	1334717	5-3	4
	4-69	2		2-147	37		2-133	16		5-9	18
	4-71	2		2-151	37		2-141	20		5-15	18
	4-79	3	1330453	2-135	30		2-145	16	1334718	6-7	7
	4-81	3		2-147	30	1333329	11-11	10	1334723	6-7	1
	4-83	10		2-151	30	1333382	9-9	8	1334771	5-3	18
	4-85	3	1330456	2-115	7		10-7	4		5-10	48
	4-87	3		2-119	29		11-11	12		5-16	48
	4-89	3		2-119	29	1333385	5-41	34	1334772	5-3	5
	4-93	3	1330459	2-126	27		8-21	16		5-9	14
	4-97	3		2-139	27		8-23	11		5-15	14
	4-103	3	1330467	2-133	2	1333392	9-9	16	1334786	5-3	33
	4-105	3		2-145	2		10-7	13	1334791	5-41	25
	4-107	3	1330725	2-115	13		11-11	21	1334796	5-35	13
	4-109	3		2-119	6	1333396	9-3	6		5-37	13
	4-113	3	1330772	2-129	24		9-5	5	1334813	12-33	3
	4-121	3		2-141	24		10-3	6	1334815	12-33	3
	4-123	3	1330917	1-19	13		10-5	5	1334820	12-44	39
	4-125	3	1330919	1-19	7		11-3	6	1334845	3-65	4
	4-127	2	1330920	1-19	20		11-5	6	1334847	3-65	3
	4-131	2	1331152	2-31	23		11-9	5	1334998	4-90	50
	12-65	3	1331233	4-59	22	1333397	9-3	6		4-94	50
	12-66	3		4-61	34		9-5	5		4-97	50
	12-77	7		4-63	35		10-3	6		4-121	27
1330439	4-59	8		4-98	65		10-5	5	1334999	4-59	14
	4-61	8		4-105	37	1333399	11-35	2		4-61	21
	4-63	8		4-109	38		12-19	18		4-79	16
	4-65	3		4-113	38	1333840	3-65	6		4-81	18

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	4-89	11		5-16	49	1337052	5-3	42	1337822	4-121	33
	4-93	11	1335937	2-111	4		5-9	38		4-123	28
	4-97	11	1335967	6-3	25	1337091	7-3	16	1337900	11-35	2
	4-103	9	1335975	4-161		1337093	2-111	2	1338089	1-25	1
	4-105	9	1335976	4-161			2-113	2	1338098	1-27	1
	4-107	9	1335977	4-161		1337108	7-3	11	1338178	1-19	1
	4-109	9	1335978	4-161		1337114	4-161	18	1338255	5-41	27
	4-113	9	1335979	4-161		1337118	2-13	10		7-5	
	4-121	7	1335980	4-161			2-17	15	1338256	5-41	19
	4-125	10	1335986	5-41	13		2-19	15		7-5	
	4-127	6	1335987	6-3	30		2-21	24	1338258	2-13	8
	4-131	6	1336135	3-19	3		2-23	10		2-25	10
	12-55	4		3-69	18	1337148	1-5	4		2-27	6
1335129	1-19	9		3-73	18	1337159	8-3	10		2-27	6
1335212	2-126	28	1336137	3-19	27		8-7	10	1338259	5-3	26
1335219	2-129	19	1336171	4-89	30	1337179	1-3	1		5-9	19
	2-141	19		4-93	30	1337197	4-5	41		5-15	19
1335222	2-135	12		4-97	30		4-165	15	1338263	2-19	12
	2-147	12		4-103	19	1337350	4-87	21		2-23	14
	2-151	12		4-105	19	1337384	4-128	43	1338264	2-17	18
1335224	2-115	9		4-107	21		4-131	43		2-19	13
1335228	2-125	25		4-109	27	1337386	4-89	37		2-21	20
	2-139	25		4-113	27		4-93	37		2-23	13
1335499	2-135	4	1336173	4-59	18		4-127	30	1338268	2-17	17
	2-147	4		4-61	18		4-131	30		2-19	10
	2-151	4		4-63	18	1337389	4-127	34		2-21	21
1335502	5-41	20		4-89	9		4-131	34		2-23	12
1335503	5-41	26		4-93	9	1337390	4-127	35	1338276	2-13	3
1335752	1-9	1		4-103	7		4-131	35		2-15	2
1335753	1-9	1		4-105	7	1337393	4-59	28		2-17	14
1335754	1-9	1		4-107	7		4-61	28		2-19	2
1335755	1-9	1		4-109	7		4-63	29		2-25	2
1335756	1-9	1		4-113	7	1337641	3-13	30		2-29	10
1335761	1-9	3		4-125	38		3-15	30	1338282	2-13	1
1335763	1-9	6		4-127	35	1337642	3-13	31		2-15	1
1335764	2-13	22		12-65	8		3-15	31		2-17	1
	2-29	1	1336605	1-19	14	1337643	3-13	32		2-25	1
1335765	2-13	23	1336870	4-59	25		3-15	29		2-29	16
	2-23	30		4-61	25	1337644	3-13	33	1338286	4-159	9
	2-29	2		4-63	26		3-15	28	1338291	6-5	8
1335825	2-129	15	1336871	4-59	26	1337645	3-13	34	1338292	8-27	17
1335828	2-133	7		4-61	26		3-15	27		8-31	17
	2-145	7		4-63	27	1337665	2-133	9		8-35	17
1335898	2-13	11	1336874	4-59	27	1337666	2-133	10		8-39	17
	2-17	16		4-61	27	1337743	12-31	1	1338296	5-39	5
	2-19	14		4-63	28	1337746	12-35	1	1338300	2-15	11
	2-21	23	1337002	2-31	1	1337789	4-89	49	1338305	2-17	10
	2-23	11	1337012	2-7	13		4-94	49	1338308	2-15	12
	2-25	11	1337014	2-7	12		4-97	49		2-17	13
	2-27	7	1337051	5-3	38		4-121	28		2-19	9

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	2-21	18		4-36	52		8-39	14	1341008	9-3	1
	2-23	22		4-40	52	1339727	8-27	15		10-3	1
	2-85	15	1339461	4-23	12		8-31	15		11-3	1
	2-87	15		4-27	16		8-35	15	1341010	11-3	1
	2-89	11		4-36	51		8-39	15	1341013	9-3	1
	2-93	23		4-40	51	1339729	8-27	16		11-3	1
1338328	2-31	1	1339626	3-125	3		8-31	16	1341017	11-3	1
1338569	1-5	15	1339632	3-121	17		8-35	16	1341019	9-3	1
1338616	9-19	1	1339635	2-31	26		8-39	16	1341024	9-3	1
1338618	9-19	1	1339636	8-27	31	1339731	8-27	32	1341205	9-5	1
1338642	1-23	1		8-35	31		8-35	32	1341206	9-5	1
1338645	1-23	1	1339637	4-159	10	1339737	8-27	26	1341210	9-5	1
1338740	8-25	3	1339647	8-3	5		8-31	26	1341213	9-5	1
1338741	8-25	8		8-7	5		8-35	26	1341218	9-5	1
1338742	8-3	44	1339651	2-31	24		8-39	26	1341223	9-5	1
	8-7	44		2-33	6	1339745	8-28	51	1341228	9-5	1
	8-21	15		2-35	11		8-36	51	1341390	9-14	
	8-23	10		2-37	25	1339746	8-28	50	1341391	9-14	
	8-25		1339672	1-19	2		8-36	50	1341395	9-14	
1338743	8-25	1	1339674	1-19	5	1339748	8-28	49	1341398	9-14	
1338744	8-25	2	1339700	8-3	4		8-36	49	1341403	9-14	
1339265	3-5	8		8-7	4	1339749	8-27	11	1341408	9-14	
	3-7	8	1339702	8-27	8		8-31	11	1341413	9-14	
	3-9	2		8-31	8		8-35	11	1341427	9-14	
	3-11	2		8-35	8		8-39	11	1341428	9-14	
	3-51	34		8-39	8	1339759	3-95	31	1341432	9-14	
	3-55	5	1339706	3-13	3	1339770	8-28	49	1341435	9-14	
	3-57	14		3-15	3		8-36	49	1341440	9-14	
	3-59	6		3-77	3	1339773	1-3	21	1341445	9-14	
	3-63	6	1339713	8-28	52	1339776	1-3	24	1341450	9-14	
	3-105	2		8-36	52	1339777	1-3	20	1341482	9-16	
	3-107	2	1339715	8-27	27	1339789	3-95	28	1341487	9-16	
	3-109	2		8-31	27	1339793	1-5	28	1341519	9-16	
1339300	8-27	18		8-35	27		8-27	19	1341524	9-16	
	8-31	18		8-39	27		8-31	19	1341542	11-20	
	8-35	18	1339717	3-129	19		8-31	19	1341545	11-20	
	8-39	18	1339720	3-17	19		8-39	19	1341546	11-20	
1339332	5-3	39		3-25	17		8-39	19	1341550	11-20	
	5-9	30		3-96	64	1339799	8-27	31	1341575	11-20	
	5-15	30		3-99	19		8-31	30	1341578	11-20	
1339334	5-3	41		3-111	21		8-35	31	1341579	11-20	
	5-9	31	1339723	8-27	4		8-39	30	1341583	11-20	
	5-15	31		8-31	4	1339947	12-73	7	1341608	11-20	
1339438	3-95	11		8-35	4	1340958	4-73	10	1341611	11-20	
	3-99	10		8-39	4	1341000	9-3	1	1341612	11-20	
1339444	4-23	11	1339724	8-27	5		10-3	1	1341613	11-20	
	4-27	15		8-31	5	1341001	9-3	1	1341616	11-20	
	4-36	48		8-35	5		10-3	1	1341620	11-20	
	4-40	48		8-39	5	1341004	11-3	1	1341641	11-20	
	4-43	14	1339725	8-27	14	1341005	9-3	1	1341644	11-20	
1339459	4-23	13		8-31	14		10-3	1	1341645	11-20	
	4-27	17		8-35	14	1341007	11-3	1	1341646	11-20	

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1341653	11-20			3-95	29	1343594	6-5	9		11-35	1
1341714	11-5	1		3-111	1	1343595	4-6	48	1345219	9-19	2
1341717	11-5	1	1343449	3-17	5	1343596	4-6	58		10-33	2
1341718	11-5	1		3-25	24	1343597	4-6	44		12-15	13
1341719	11-5	1		3-95	26	1343598	6-5	4		12-17	18
1341722	11-5	1		3-99	31	1343607	6-3	13	1345220	9-19	2
1341726	11-5	1		3-111	5	1343612	4-161			10-33	2
1342116	9-9	1		8-3	1	1343613	4-161		1345239	10-33	1
	11-15	1		8-7	1	1343614	4-161		1345240	10-33	1
1342118	11-15	1	1343452	8-3	9	1343623	2-31	1	1345263	9-19	4
1342120	11-11	1		8-7	9	1343630	7-3	4		10-33	4
1342121	11-15	1	1343458	1-5	1	1343635	3-5	1		12-15	15
1342123	11-11	1	1343461	8-27	37		3-7	1		12-17	19
1342124	11-11	1		8-31	35		3-51	26	1345264	9-19	1
1342126	11-11	1		8-35	37		3-105	11	1345267	1-23	1
1342129	11-11	1		8-39	35	1343636	4-6	49	1345306	10-9	1
1342132	11-11	1	1343473	1-5	1	1343638	3-5	13	1345307	10-9	1
1342217	10-11		1343478	5-39	7		3-7	13	1345311	10-9	1
1342218	10-11		1343479	5-39	4		3-51	38	1345314	10-9	1
1342222	10-11		1343480	5-39	6	1343647	1-3	6	1345348	9-22	17
1342225	10-11		1343481	8-27	38		12-53	22	1345352	9-19	7
1342247	10-21			8-31	36	1343648	3-95	44		12-15	18
1342275	10-17			8-35	38	1343844	10-33		1345354	8-21	5
1342276	10-17			8-39	36	1343845	10-33			8-23	5
1342283	10-17		1343508	7-3	15	1343846	9-19			8-25	13
1342370	10-9	2	1343526	3-125	8	1343847	9-19		1345359	11-15	3
1342377	10-9	2		3-129		1343892	12-73	8	1345362	11-15	3
1342379	9-9	1	1343530	3-125	8	1343893	10-21		1345363	11-15	3
1342383	9-9	1		3-129		1343989	11-16	21	1345364	11-15	3
1342384	11-15	1	1343531	8-28	39	1343990	1-23	2	1345367	11-15	3
1342390	10-9	2		8-31	37		12-29	2	1345371	11-15	3
1342391	11-15	1		8-36	39	1344274	4-147	11	1345401	11-15	12
1342392	9-9	1		8-39	37	1345027	4-85	11	1345403	9-10	21
1342393	9-9	1	1343533	5-3	27	1345029	4-81	15		10-7	20
1342407	11-15	2		5-9	6	1345183	9-5	8		11-12	23
1342410	11-15	2		5-15	6		11-5	12	1345412	9-21	4
1342411	11-15	2	1343537	6-3	9	1345190	9-21	9	1345413	9-21	4
1342412	11-15	2	1343540	7-3	3		10-36	31	1345423	10-36	16
1342415	11-15	2	1343541	7-3	1		11-37	14	1345492	9-21	1
1342419	11-15	2	1343553	7-3	10	1345194	11-38	35	1345493	9-21	1
1342469	10-5	1	1343557	5-4	46	1345199	10-36	10	1345500	9-21	1
1342470	10-5	1		5-10	47		11-37	9	1345516	9-21	1
1342474	10-5	1		5-16	47	1345204	10-36	11	1345566	10-35	3
1342477	10-5	1	1343560	8-3	14		11-37	10	1345571	10-35	3
1343219	5-35	10		8-7	14	1345216	9-3	2	1345825	2-31	9
1343421	3-13	24	1343572	6-3	11		9-5	2		2-33	14
	3-15	21	1343573	6-3	31		10-3	2		2-35	12
1343443	8-27	6	1343574	6-3	14		10-5	2		2-37	17
	8-31	6	1343577	6-5	1		10-33	1		2-39	12
	8-35	6	1343578	6-5	2		11-3	2		2-41	16
	8-39	6	1343579	6-5	3		11-5	2		2-43	12

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1345939	1-19	17		2-27	11	1347198	12-7	2	1350222	4-89	21
1345991	3-95	10		2-27	11	1347201	12-7	2		4-93	21
	3-99	9		2-29	8	1347210	4-89	12		4-97	21
1345998	1-19	10		3-25	8		4-93	12	1350223	4-89	22
1346872	3-19	19		3-99	13		4-97	12		4-93	22
	3-65	10		3-111	20		4-103	10		4-97	22
1347004	4-6	47	1347048	7-7	1		4-105	10	1350231	1-3	19
	6-5			7-11			4-107	10		1-9	12
1347018	1-5	17	1347067	4-9	32		4-109	15		3-25	9
1347020	5-41	35		4-13	32		4-113	15		3-99	14
1347021	3-51	8		4-17	49		4-117	11		3-111	19
	3-55	8		4-24	70		4-119	23	1350241	1-5	18
	3-59	35		4-27	29	1347212	8-3	29	1350261	2-13	1
1347026	2-31	3		4-28	69		8-7	29		2-15	1
	2-33	15		4-31	38	1347224	4-59	21		2-17	1
	2-35	13		4-35	31		4-61	33		2-19	1
	2-37	16		4-39	31		4-63	34		2-25	1
	2-39	13		4-43	27		4-125	31	1350273	8-3	21
	2-41	15		4-53	27		4-128	41		8-7	21
	2-43	13	1347072	2-31	4		4-131	41	1350282	1-5	24
	2-45	12	1347076	2-31	18	1347300	5-27	10		4-5	13
1347027	8-3	38	1347088	1-5	13	1347314	3-25	4		4-159	3
	8-7	38		1-5	13	1347970	7-5	11	1350285	1-5	16
1347028	8-3	39	1347091	7-7	6	1347971	7-5	11	1350286	3-17	6
	8-7	39	1347096	1-5	1	1348246	11-38	24		3-95	1
1347029	8-3	40	1347110	1-5	12	1348247	11-38	24		3-99	26
	8-7	40	1347112	8-28	40	1350036	3-51	19		3-111	6
1347030	8-3	41		8-31	38		3-55	19	1350290	3-17	9
	8-7	41		8-36	40		3-57	19		3-111	10
1347043	2-13	4		8-39	38		3-59	11	1350291	3-17	8
	2-15	3	1347113	7-7	5	1350042	3-51	16		3-111	9
	2-15	3	1347114	12-41	9		3-55	16	1350292	3-111	28
	2-19	3	1347116	7-7	13		3-57	16	1350298	3-17	13
	2-21	27	1347126	2-15	9		3-59	8		3-111	14
	2-23	27	1347127	2-17	9	1350215	1-5	20	1350299	3-17	14
	2-23	27		2-19	5		3-107	10		3-111	15
	2-25	4	1347135	6-3	3		3-109	10	1350400	3-19	20
	2-25	4	1347142	12-7	1		8-28	55		3-39	15
	2-27	10	1347143	12-7	1		8-32	45		3-65	7
	2-27	10	1347144	12-7	5		8-36	55		3-69	41
	2-29	9	1347145	12-7	2	1350218	4-89	17		3-73	41
1347045	1-5	19	1347146	12-7	2		4-93	17	1350682	3-96	59
	1-9	14	1347153	3-17	20		4-97	17	1350706	8-43	4
	2-13	5		3-111	32	1350219	4-89	18	1350707	8-43	1
	2-15	4	1347157	2-111	3		4-93	18	1350733	12-73	7
	2-15	4		2-113	3		4-97	18	1350734	12-73	7
	2-19	4	1347158	5-39	8	1350220	4-89	19	1350735	12-73	7
	2-21	28	1347159	3-129	7		4-93	19	1350736	12-73	7
	2-23	28	1347166	3-19	6		4-97	19	1350988	3-96	45
	2-23	28	1347190	12-31	3	1350221	4-89	20	1350991	3-96	45
	2-25	3	1347196	12-7	1		4-93	20	1351000	3-17	10

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1351008	1-5	11	1351139	4-89	31		4-43	36	1352191	4-21	6
1351014	1-9	1		4-93	31		4-53	35		4-44	65
1351016	1-9	1		4-97	31	1351683	4-6	45		4-47	6
1351017	2-7	11		4-109	49	1351792	11-37	1		4-57	28
	2-9	10		4-113	49	1351814	2-79	27	1352463	8-11	13
	2-11	10	1351140	8-4	52		2-81	27		8-15	15
1351060	2-7	7		8-8	52	1352066	4-9	29	1352563	4-77	5
	2-9	7	1351145	3-13	12		4-13	29	1352564	4-77	6
	2-11	7	1351146	3-13	13		4-24	77	1352575	3-129	1
1351061	2-7	6		3-23	35		4-27	31		3-131	
	2-9	6		3-69	13		4-32	65	1352599	4-73	9
	2-11	6		3-73	13		4-35	32	1352602	4-73	4
1351068	4-65	1	1351176	2-13	19		4-39	32	1352603	4-73	5
	4-67	1		2-15	7		4-43	29	1352606	4-73	11
	4-69	1		2-17	6		4-53	24		12-75	9
	4-71	1		2-19	18		4-74		1352608	1-3	1
1351069	4-65	4		2-21	5	1352088	4-6	57	1352612	4-24	48
	4-67	4		2-23	3		4-77			4-27	42
	4-69	4		2-25	14	1352090	3-131	12		4-31	11
	4-71	4		2-27	2	1352104	4-89	38		4-35	11
1351070	4-65	8		2-29	12		4-93	38		4-39	11
	4-67	8	1351177	2-13	21		4-97	38	1352616	8-4	54
	4-69	9		2-15	15	1352105	4-89	39		8-8	54
	4-71	9		2-17	8		4-93	39	1353464	11-38	25
1351071	4-69	11		2-19	19		4-97	39	1353530	9-22	18
	4-71	11		2-21	6	1352123	3-19	12		10-36	17
1351076	4-65	9		2-23	6		3-21	26		11-37	4
	4-67	9		2-25	15		3-23	26	1354046	2-129	29
	4-69	10		2-27	3		3-65	31		2-142	29
	4-71	10		2-29	13		3-69	2	1354047	2-129	31
1351077	8-3	42	1351178	2-13	12		3-73	2		2-142	31
	8-7	42		2-23	33	1352124	1-5	21	1354049	4-161	3
1351089	3-17	21		2-29	6	1352125	1-5	22	1354090	1-3	22
1351096	2-7	5	1351184	12-13	3	1352126	1-5	23	1354114	3-65	1
	2-9	5	1351273	2-113	4	1352140	2-31	22	1354117	3-65	1
	2-11	5	1351431	1-11	1		2-33	23	1354119	12-41	7
1351098	2-7	4	1351681	4-9	7		2-35	2	1354140	1-11	6
	2-9	4		4-13	7		2-37	3		1-11	32
	2-11	4		4-24	76		2-39	2	1354153	1-19	8
1351099	4-65	13		4-27	36		2-41	2	1354155	1-19	8
	4-67	18		4-32	69		2-43	2	1354157	1-19	8
	4-69	24		4-35	37		2-45	37	1354159	1-19	8
1351100	4-69	12		4-39	37	1352142	4-89	42	1354163	1-19	11
1351133	3-13	38		4-43	37		4-93	42	1354165	1-19	4
	4-9	33		4-53	5		4-97	42	1354171	1-19	19
	4-13	33	1351682	4-9	41		4-107	30	1354203	3-19	17
	4-32	66		4-13	41	1352157	8-4	50		3-66	52
	4-35	34		4-24	75	1352178	4-23	14	1354204	4-87	35
	4-39	34		4-27	35		4-27	18		4-90	55
	4-43	33		4-32	68	1352190	4-21	24		4-94	55
1351134	5-43	1		4-35	36		4-47	18		4-98	55

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1354237	4-89	44	1354903	11-16	22		10-17	11	1355744	11-20	1
	4-93	44	1354904	9-22	16		10-21	3	1355745	11-20	2
	4-97	44		11-37	6	1355287	9-16	1	1355747	11-20	1
	4-107	28	1354906	11-37	18	1355288	9-16	1	1355748	11-20	1
	4-107	30	1354907	11-37	18	1355289	9-16	2	1355749	11-20	2
	4-109	43	1354915	9-10	24	1355291	9-16	1	1355751	11-20	4
	4-113	43		10-7	5	1355305	7-11	13	1355752	11-20	1
1354259	3-95	22		11-11	13	1355335	6-9	15	1355757	11-20	1
	3-99	24	1354916	9-10	24	1355348	5-3	17	1355758	11-20	2
1354300	6-5	11		10-7	5		5-10	49	1355760	11-20	1
1354323	4-5	14		11-11	13		5-16	49	1355775	11-20	2
1354336	3-19	25	1354917	9-10	24	1355366	9-16	1	1355777	11-20	1
1354343	1-19	8		10-7	5	1355367	9-16	2	1355874	10-11	7
1354373	4-23	15		11-11	13	1355369	9-16	1		10-13	7
	4-27	19	1354918	10-36	19	1355390	9-16	1		10-17	8
1354379	4-9	6	1354919	9-22	13	1355391	9-16	2		10-19	8
	4-13	6	1354921	9-22	13	1355393	9-16	1	1355875	10-11	1
	4-24	67	1354922	9-22	16	1355410	9-16	13		10-13	1
	4-28	74		11-37	6	1355411	9-16	18		10-17	2
	4-31	42	1354923	1-23	2	1355413	9-16	1		10-19	2
	4-36	68	1354956	10-9	9	1355414	9-16	2	1355876	10-11	3
	4-40	68	1354961	11-38	26	1355416	9-16	1		10-13	3
	4-43	44	1354962	11-16	37		9-16	2		10-17	4
	4-53	4	1354967	10-9	13	1355433	9-16	1		10-19	4
1354380	1-5	36	1355127	9-14	3	1355434	9-16	2	1355886	10-11	7
1354733	2-169	35	1355128	9-14	1	1355436	9-16	1		10-13	7
	2-169	39	1355130	9-14	2	1355496	11-20	3		10-17	8
1354775	4-161	1	1355132	9-14	1	1355497	11-20	16		10-19	8
1354776	4-161	2	1355133	9-14	1	1355499	2-113	8	1355887	10-11	1
1354777	4-161	22	1355134	9-14	2	1355523	12-9	1		10-13	1
1354778	4-161	8	1355145	9-14	1	1355547	12-9	1		10-17	2
1354780	4-161	5	1355146	9-14	2	1355587	11-20	2		10-19	2
1354782	4-161	10	1355148	9-14	1	1355589	11-20	1	1355888	10-11	3
1354783	4-161	9	1355157	9-14	1	1355598	11-20	1		10-13	3
1354784	4-161	12	1355158	9-14	2	1355599	11-20	2		10-17	4
1354785	4-161	13	1355160	9-14	1	1355601	11-20	1		10-19	4
1354786	4-161	14	1355177	9-14	1	1355602	11-20	1	1355910	10-11	7
1354787	4-161	15	1355178	9-14	2	1355603	11-20	2		10-13	7
1354788	4-161	16	1355180	9-14	1	1355605	11-20	1	1355911	10-11	1
1354792	4-161	23	1355189	9-14	4	1355610	11-20	4		10-13	1
1354793	4-161	24	1355198	9-14	1	1355619	11-20	1	1355912	10-11	3
1354796	4-161	26	1355199	9-14	2	1355620	11-20	2		10-13	3
1354804	4-161	4	1355217	9-14	2	1355622	11-20	1	1355928	10-11	7
1354805	4-161	11	1355219	9-14	1	1355711	11-20	4		10-13	7
1354806	4-161	17	1355221	9-14	4	1355713	11-20	3		10-17	8
1354807	4-161	25	1355222	9-14	1	1355714	11-20	17		10-19	8
1354814	2-135	1	1355276	9-14	15	1355728	11-20	1	1355929	10-11	1
	2-147	1	1355277	9-14	16	1355729	11-20	2		10-13	1
	2-151	1	1355278	9-16	1	1355731	11-20	1		10-17	2
1354901	11-16	21	1355281	9-16	2	1355740	11-20	1		10-19	2

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	10-13	3	1356414	12-51	16	1356667	10-25	2	1356902	12-9	4
	10-17	4	1356437	3-121	4		10-29	2	1356912	12-9	3
	10-19	4		3-123	4	1356682	11-27	2	1356918	12-9	
1356058	10-17	1	1356454	3-66	49		11-31	2	1357036	5-27	40
	10-21	4	1356459	3-17	11	1356688	10-25	2	1357196	7-11	10
1356065	11-27	2		3-111	12		10-29	2	1357197	7-11	1
	11-31	2	1356478	3-125	8	1356691	11-27	2	1357199	7-11	3
1356074	11-27	2		3-127	9		11-31	2	1357201	7-11	5
	11-31	2		3-129		1356694	11-31	2	1357300	12-33	1
1356089	11-31	2	1356479	3-125	8	1356747	10-11	4	1357302	12-35	1
1356100	1-3	25		3-127	9		10-13	4	1357352	8-47	8
1356103	4-155	18		3-129			10-15	7	1357353	8-43	44
	8-3	22	1356501	4-89	46		10-16	5		8-47	44
	8-7	22		4-94	46		10-17	5	1357354	8-43	10
1356105	4-9	31		4-97	46		10-19	5		8-47	10
	4-13	31	1356509	12-47	17		10-21	8	1357355	8-43	26
	4-23	39	1356510	12-47	17		10-22	5		8-47	26
	4-27	33	1356511	12-47	9	1356748	10-15	11	1357361	8-43	25
	4-31	29	1356513	3-19	36		10-16	4		8-43	43
	4-35	33		3-66	59		10-21	12		8-44	57
	4-39	33	1356514	3-19	4		10-22	4		8-47	25
	4-53	26	1356520	12-69	2		11-20	15		8-47	43
1356108	4-9	37		12-69	2	1356750	9-14	13		8-48	57
	4-24	81	1356522	3-125	3		11-20	12	1357364	8-43	39
	4-32	73	1356527	2-19	1	1356751	9-16	16		8-47	39
	4-36	63		2-25	1		11-20	12	1357367	4-161	27
	4-40	63		2-29	16	1356752	9-14	14	1357369	8-43	7
	4-53	31	1356540	12-39	10	1356754	10-15			8-47	7
1356125	4-10	52	1356541	12-39	8	1356755	10-15		1357707	3-45	12
1356131	4-9	25	1356543	12-39	18	1356759	10-15		1357716	2-31	1
	4-53	23	1356560	10-29	2	1356762	10-15		1357717	2-31	1
1356137	1-19	6		11-27	2	1356778	10-15	1	1357721	2-31	1
1356292	10-25	3		11-31	2		10-16	3	1357746	3-47	7
	10-29	3	1356569	10-25	2		10-21	1	1357749	3-45	11
	11-23	3		10-29	2		10-22	3		3-47	11
	11-27	3		11-27	2	1356779	10-15	1	1358150	2-125	26
	11-31	3		11-31	2		10-16	3	1358177	12-35	1
1356295	10-25	2	1356572	11-27	2		10-21	1	1358178	12-35	1
	10-29	2		11-31	2		10-22	3	1358179	12-31	1
1356298	10-25	2	1356587	11-31	2	1356783	10-15	1	1358183	12-33	1
	10-29	2	1356658	10-25	2		10-16	3	1358188	12-35	1
1356318	8-23	6		10-29	2	1356786	10-15	1	1358189	12-35	1
1356328	12-41	3	1356661	10-25	3		10-16	3	1358190	12-31	1
1356332	12-41	7		10-29	3		10-21	1	1358194	12-33	1
1356342	12-39	8		11-23	3		10-22	3	1358224	7-5	10
1356393	8-3	3		11-27	3	1356838	2-135	18	1358225	7-5	10
	8-7	3		11-31	3		2-147	18	1358239	3-33	17
1356400	12-5	1	1356662	10-26	18		2-151	18	1358240	3-33	25
1356401	12-5	2		10-30	18	1356857	12-9	3	1358241	3-33	21
1356410	12-44	47		11-24	17	1356863	12-9	5		3-83	21
1356411	12-44	48		11-28	17	1356867	12-9	4		3-85	21

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	3-83	22		11-23	9		8-31	43	1360608	10-35	4
	3-85	22		11-27	9		8-36	47	1360718	1-3	11
1358243	3-33	23		11-31	9		8-39	43	1360759	2-135	23
	3-83	23	1358972	10-26	14	1359624	4-53	6		2-147	23
	3-85	23		10-30	14	1359672	3-95	32		2-151	23
1358245	3-33	18		11-24	14		4-132	1	1360792	7-5	15
	3-83	18		11-28	14	1360086	4-9	22	1360793	7-5	14
	3-85	18		11-32	14		4-13	22	1360794	7-5	13
1358352	11-37	1	1358973	11-20	1		4-17	35	1360796	7-5	24
1358354	11-37	1	1359100	2-115	35		4-53	21	1360798	7-5	16
1358355	11-37	1	1359102	2-115	31	1360125	12-9	6	1360841	3-65	5
1358360	11-37	1	1359103	2-115	30		12-13		1360872	1-11	16
1358515	3-66	47	1359234	9-9	1	1360126	12-9	6	1360878	2-49	1
	3-69	44	1359437	3-111	33		12-13			2-67	20
	3-73	44	1359450	3-121	3	1360127	11-20	15	1360879	2-49	3
1358682	3-96	45		3-123	3	1360142	10-15	12		2-67	22
1358809	12-9	9	1359460	3-19	24		10-21	12	1360880	2-49	26
1358814	12-9	16	1359496	12-62	3	1360146	2-39	33		2-67	18
1358815	12-10	17	1359497	12-63	3		2-41	37	1360881	2-49	8
1358816	12-10	16	1359509	12-43	13		2-43	33		2-67	19
1358817	12-10	17	1359510	12-43	13		2-45	34	1360882	2-49	10
1358821	12-9	13	1359523	12-55	11		4-9	21		2-67	27
1358858	4-161	21	1359534	1-3	20		4-13	21	1360883	2-49	21
1358911	4-24	83	1359535	1-3	21		4-21	22		2-67	15
	4-28	88	1359559	12-51	6		4-31	8	1360884	2-49	23
	4-32	83		12-62			4-35	9		2-67	16
	4-35	1	1359560	12-51	7		4-39	9	1360885	2-49	9
	4-39	1		12-63		1360178	2-152	47		2-67	14
	4-147		1359562	12-53	16	1360215	2-115	26	1360886	2-49	11
1358932	10-15	2	1359564	12-55	1		2-119	15		2-67	13
	10-16	6		12-57		1360229	12-9	7	1360887	2-49	13
	10-21	2	1359565	12-55		1360326	10-36	23		2-67	11
	10-22	6	1359580	2-31	21	1360327	10-36	23	1360888	2-49	14
1358933	10-15	2		2-33	21	1360331	10-36	23		2-67	12
	10-16	6		2-35	20	1360334	10-36	23	1360889	2-49	15
	10-21	2		2-37	26	1360356	10-36	24		2-67	10
	10-22	6	1359581	2-31	5	1360357	10-36	24	1360890	2-49	16
1358937	10-15	2		2-33	16	1360361	10-36	24		2-67	9
	10-16	6		2-35	14	1360364	10-36	24	1360891	2-49	17
1358940	10-15	2		2-37	18	1360386	9-22	12		2-67	8
	10-16	6		2-39	14		10-36	14	1360892	2-49	18
	10-21	2		2-41	17		11-37	17		2-67	7
	10-22	6		2-43	14	1360387	10-9	12	1360893	2-49	19
1358963	10-12	13		2-45	14	1360507	9-22	19		2-67	6
	10-18	14	1359587	1-5	6		10-36	20	1360894	2-67	5
1358969	10-26	17	1359600	1-3	16		11-37	5		2-99	14
	10-30	17	1359608	3-5	17	1360508	10-36	13		2-105	13
	11-24	17		3-7	16	1360534	11-16	27		2-107	11
	11-28	17		3-51	5	1360538	11-38	23	1360895	2-49	2
	11-32	17		3-51	5	1360548	9-21	7		2-67	21
1358970	10-25	9		3-105	9	1360549	9-21	6	1360896	2-47	11

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1360898	2-47	3		2-65	11		2-69	9		2-71	10
	2-65	8	1361677	2-47	12	1361703	2-51	11	1361726	2-53	9
1360899	2-47	10		2-65	14		2-69	11		2-55	11
	2-65	9	1361678	2-57	1	1361704	2-51	11		2-71	11
1360932	12-35	11	1361679	2-57	12		2-69	11	1361727	2-53	10
1361087	12-59	3		2-59	7	1361705	2-51	11		2-55	14
	12-61	3		2-73	7		2-69	11		2-71	12
1361093	2-19	7	1361680	2-57	5	1361706	2-51	11	1361728	2-53	11
1361101	8-27	8	1361681	2-57	7		2-69	11		2-55	13
	8-31	8		2-59	9	1361707	2-51	12		2-71	13
	8-35	8		2-73	9		2-69	12	1361729	2-53	12
	8-39	8	1361682	2-57	24	1361708	2-51	12		2-55	12
1361102	8-27	18		2-59	25		2-69	12		2-71	14
	8-31	18		2-73	25	1361709	2-51	12	1361730	2-53	13
	8-35	18	1361683	2-57	8		2-69	12		2-55	15
	8-39	18	1361684	2-57	9	1361710	2-51	13		2-71	15
1361121	4-6	46	1361685	2-57	22		2-69	13	1361731	2-53	14
1361126	12-73	1	1361686	2-57	10	1361711	2-51	13		2-55	16
1361142	8-28	48	1361687	2-57	11		2-69	13		2-71	16
	8-32	44	1361688	2-57	2	1361712	2-51	13	1361732	2-53	15
	8-36	48		2-59	4		2-69	13		2-55	17
	8-39	44		2-61	3	1361713	2-51	13		2-71	17
1361143	12-51	5		2-63	3		2-69	13	1361733	2-53	16
	12-66			2-73	4	1361714	2-51	10	1361734	2-53	17
1361164	3-33	14		2-75	3	1361715	2-51	10		2-55	19
	3-83	14	1361689	2-57	13	1361716	2-51	10		2-71	19
	3-91	2		2-59	14	1361717	2-53	18	1361735	2-53	8
1361276	10-21			2-73	14		2-55	20	1361736	2-53	19
1361302	10-25	4	1361690	2-57	16		2-71	20		2-55	22
	10-29	4		2-59	18	1361718	2-53	24		2-71	22
	11-23	4		2-73	18		2-55	2	1361737	2-53	23
	11-27	4	1361691	2-57	15		2-71	2		2-55	23
	11-31	4		2-59	16	1361719	2-53	25		2-71	23
1361305	4-5	2		2-73	16		2-55	3	1361738	2-53	20
	4-53	41	1361692	2-57	3		2-71	3	1361739	2-53	21
	4-57	31		2-59	6	1361720	2-53	1	1361740	2-85	5
1361501	7-5	19		2-73	6		2-55	4		2-87	5
1361502	7-5	20	1361694	2-51	1		2-71	4	1361741	2-85	8
1361503	7-5	3	1361695	2-51	2	1361721	2-53	2		2-87	8
1361504	7-5	4		2-69	2		2-55	5		2-107	3
1361505	7-5	13	1361696	2-51	3		2-71	5	1361742	2-85	3
1361507	7-5	24		2-69	3	1361722	2-53	4		2-87	3
1361552	12-73	5	1361697	2-51	7		2-55	7		2-89	4
1361559	7-7	12		2-69	7		2-71	7	1361743	2-85	1
1361561	12-69	3	1361698	2-51	4	1361723	2-53	5		2-87	1
1361584	8-4	52		2-69	5		2-55	8	1361744	2-85	10
	8-8	52	1361699	2-51	5		2-71	8		2-87	10
1361596	3-95	33	1361700	2-51	8	1361724	2-53	6		2-89	6
	3-99	41		2-69	8		2-55	9		2-93	19
1361675	2-47	8	1361701	2-51	6		2-71	9	1361745	2-85	13

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	2-93	20	1361785	3-31	18		2-81	8	1361863	4-143	8
1361746	2-85	11	1361786	3-31	21		2-83	8	1361864	4-143	9
	2-87	11	1361787	3-31	22	1361818	2-77	11	1361865	4-143	14
	2-89	9	1361788	3-31	25	1361819	2-77	12	1361867	2-101	26
	2-93	21	1361789	3-31	26	1361820	2-81	11		2-103	21
1361747	2-85	12	1361790	2-95	7	1361821	2-77	15	1361868	2-61	19
	2-87	12	1361791	2-85	4		2-79	10		2-63	19
	2-89	10		2-87	4		2-81	10		2-73	27
	2-93	18		2-95	2		2-83	10		2-75	19
1361749	2-91	27		2-97	2	1361823	2-77	18		2-105	11
	2-105	9	1361792	2-95	3		2-79	9	1361869	2-99	5
	2-107	1		2-97	3	1361824	2-77	20		2-107	15
	2-109	8	1361794	2-99	7	1361825	2-77	17	1361870	2-99	6
1361750	2-105	6		2-107	9		2-79	14		2-107	16
1361751	2-105	12		3-5	21	1361826	2-77	32	1361871	2-99	2
	3-27			3-7	25		2-79	16		2-99	8
1361752	2-105	4	1361796	2-95	6		2-81	16		2-109	10
	2-107	4		2-97	6		2-83	16	1361873	2-67	28
	2-109	4		2-99	11	1361827	2-77	21		2-77	31
1361753	2-105	5		2-107	13		2-79	30		2-79	3
1361754	2-105	2	1361797	2-107	14		2-81	30		2-81	3
1361755	2-105	9		3-5	22		2-83	30		2-83	3
1361756	2-91	26		3-7	22	1361828	2-77	22		2-85	7
	2-105	10	1361798	2-61	2	1361829	2-77	23		2-87	7
	2-107	7		2-63	2	1361830	2-77	24		2-93	9
	2-107	10		2-75	2	1361832	2-77	26		2-95	5
	2-109	7	1361801	2-61	17	1361833	2-81	21		2-95	5
1361760	2-105	8		2-63	18	1361834	2-77	10		2-97	5
1361761	2-105	3		2-75	18	1361835	2-77	27		2-99	15
1361765	3-5	24	1361802	2-61	9	1361837	2-101	2		2-107	18
	3-7	24	1361803	2-75	9		2-103	18	1361875	2-63	14
1361766	2-99	3	1361804	2-61	11	1361838	2-101	5		2-73	23
	2-107	6	1361805	2-61	12		2-103	17		2-75	14
	3-5	23	1361806	2-61	13	1361839	2-101	3		2-79	2
	3-7	23		2-63	17	1361840	2-101	6		2-83	2
1361768	3-31	1		2-75	17	1361841	2-101	7	1361878	2-61	18
1361769	3-31	2	1361807	2-61	14	1361842	2-101	8		2-63	13
1361770	3-31	3		2-63	16	1361843	2-101	9		2-75	13
1361771	3-31	7		2-75	16	1361844	2-101	11		2-77	36
1361772	3-31	4	1361809	2-77	9	1361845	2-101	12	1361879	2-61	7
1361773	2-105	1	1361810	2-77	5		2-103	7		2-63	7
	3-31	5	1361811	2-77	2	1361846	2-101	14		2-75	7
1361774	3-31	6	1361812	2-77	37		2-103	2	1361880	2-77	8
1361775	3-31	8	1361813	2-77	25	1361850	4-143	11		2-81	6
1361776	3-31	9		2-83	19	1361852	4-143	5		2-83	36
1361777	3-31	10	1361814	2-77	7	1361854	4-143	7	1361881	2-73	23
1361779	3-31	12		2-83	27	1361855	4-143	15		2-77	33
1361780	3-31	13	1361815	2-77	4	1361857	4-143	13		2-91	5
1361781	3-31	14	1361816	2-77	3	1361859	4-143	4		2-101	20
1361782	3-31	15		2-81	35	1361860	4-143	12		2-103	8

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1361882	2-77	29		2-91	4	1362390	11-15	11	1366607	12-51	10
	2-77	35	1362007	2-47	6	1362433	10-10	33	1366618	12-44	43
1361884	2-55	27		2-65	6		11-16	39	1366619	12-43	8
	2-71	27	1362008	2-47	7	1362714	1-5	9	1366622	12-53	21
	2-77	19		2-65	4	1363016	12-41	7	1366623	12-53	19
	2-81	5	1362009	2-47	9	1363862	3-95	34	1366624	12-43	10
1361885	2-77	34		2-65	5	1363885	4-77	3		12-43	33
	2-85	9	1362010	2-57	14	1363886	4-125	37		12-53	20
	2-87	9		2-59	15		4-127	8		12-53	20
	2-105	7		2-73	15		4-131	8	1366625	12-47	1
1361888	2-101	18	1362011	2-57	20	1363896	3-69	20	1366626	12-47	1
	2-103	3		2-59	1		3-73	20	1366627	12-44	36
1361889	2-49	20		2-73	1	1363916	1-3	8	1366632	12-43	20
	2-101	17		2-79	4	1363917	1-3	9	1366633	12-51	13
1361890	2-101	16		2-83	4	1363918	1-3	10	1366729	10-25	
	2-103	4		2-93	14	1364271	6-3	28	1366733	10-25	
1361891	2-101	13	1362012	2-57	4	1365062	10-36	15		11-27	
	2-103	5		2-59	5	1365140	11-11	10	1366736	10-25	
1361893	2-101	19		2-73	5	1365286	12-53	5		11-27	
1361894	2-49	6	1362013	2-57	19	1365287	12-53	7	1366737	11-27	
	2-67	24	1362015	2-57	6	1365288	12-53	8	1366742	11-27	
1361895	2-101	21		2-59	8	1365289	12-53	9	1366874	2-91	8
	2-103	12		2-73	8	1365290	12-43	25	1366910	2-91	6
1361896	2-49	22	1362016	2-53	22		12-44	35	1366933	2-93	4
	2-67	17		2-55	1		12-47	28	1367111	12-43	26
1361897	2-49	7		2-71	1	1365292	12-47	27	1367137	1-11	20
	2-67	4	1362017	2-85	6	1365294	12-59	11	1367148	1-12	44
1361898	2-49	12	1362036	4-135	10		12-59	18	1367154	1-12	45
	2-57	19		4-137	10		12-59	22	1367190	2-49	28
	2-67	3	1362037	4-135	8		12-61	11		2-53	26
	2-73	21	1362039	4-135	13		12-61	18		2-57	25
	2-83	38		4-137	13		12-61	22		2-61	22
	2-85	14	1362040	4-135	15	1365296	12-43	6		2-77	38
	2-87	14		4-137	15		12-43	6		2-87	16
	2-105	7	1362042	4-135	14		12-47	23		2-101	27
1361899	2-67	26		4-137	14	1365299	12-53	11	1367191	2-77	14
1361948	8-21	14	1362049	1-11	5	1365500	10-35	1		2-79	12
1362000	2-49	24	1362052	1-11	8	1365502	10-35	1		2-81	12
	2-67	1	1362053	1-11	9	1365504	10-35	2		2-83	12
1362001	2-49	25	1362058	1-11	14	1365506	10-35	2	1367430	5-3	3
	2-57	17	1362061	1-11	17	1365514	10-35	2		5-10	44
	2-59	21	1362062	1-11	18	1365517	10-35	2		5-15	44
	2-67	2	1362063	1-11	19	1365860	4-5	23	1367431	8-3	15
	2-73	21	1362064	1-11	19	1365876	4-159	1		8-7	15
1362002	2-49	4	1362065	1-11	7	1365877	4-159	2	1367440	12-35	1
	2-67	25	1362069	4-9	42	1365887	2-23	33	1367441	12-35	1
1362003	2-47	4		4-155			2-29	6	1367444	12-35	1
	2-49	5	1362070	2-135	17	1365895	3-5	25	1367445	12-35	1
	2-65	2		2-147	16	1366435	9-22	20	1367517	3-27	1
	2-67	23		2-151	16	1366600	12-53	17	1367518	3-29	1
1362005	2-47	2	1362113	2-103	19	1366601	12-53	10	1367519	3-27	2
	2-65	3	1362387	11-37	12	1366603	12-53	4		3-29	2

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1367520	3-27	3	1368147	12-59	14	1368980	3-5	14		3-65	37
	3-29	3		12-61	14	1368983	4-9	38	1369602	9-21	1
1367521	3-29	4	1368148	12-59	16		4-13	38	1369606	9-21	1
1367522	3-27	4		12-61	16		4-17	22	1369611	9-21	1
	3-29	5	1368149	12-59	20		4-53	32	1369617	9-21	1
1367523	3-27	5		12-61	20	1369038	3-33	6	1369625	11-37	1
	3-29	6	1368313	9-21	1	1369065	3-45	13	1369627	11-37	1
1367524	3-27	6	1368314	9-22	20		3-47	17	1369633	10-35	4
	3-29	7	1368400	10-35	3	1369066	3-45	19	1369643	11-38	31
1367525	3-27	7		10-35	4		3-47	4	1369709	12-5	6
	3-29	8	1368411	11-37	1	1369328	11-15	1	1369737	3-13	42
1367526	3-27	8	1368414	11-37	1	1369333	10-36	18	1369897	2-103	29
	3-29	9	1368442	10-35	4		11-38	22	1369914	2-61	21
1367527	3-27	9	1368445	11-38	31	1369344	9-19	6		2-75	21
	3-29	10	1368656	9-5	6		10-33	6		2-79	36
1367633	4-9	23		11-5	10		11-35	6	1369993	2-59	23
	4-13	23	1368743	2-103	22		12-15	17		2-73	23
1367639	4-167	4	1368790	2-61	8		12-17	14	1369999	2-77	29
	12-44	38	1368805	2-91	15		12-19	14		2-77	34
1367640	4-24	55	1368844	2-103	6	1369345	9-19	6		2-89	5
	4-28	50	1368848	4-155	9		10-33	6	1370675	2-91	9
	4-31	20	1368849	4-155	2		11-35	6	1370690	2-89	8
	4-35	20	1368850	4-155	11		12-15	17		2-93	22
	4-39	20	1368851	4-155	12		12-17	14	1370710	2-77	13
1367645	12-41	5	1368852	4-155	13		12-19	14	1370720	2-77	16
1368061	4-21	14	1368853	4-155	14	1369356	9-9	6	1370736	2-57	21
	4-44	67		4-157	20		11-11	6		2-59	20
	4-47	9	1368854	4-155	15		11-15	18		2-73	20
	4-57	25	1368855	4-155	16	1369357	9-9	6	1370737	2-59	24
1368073	4-89	40	1368856	4-155	17		10-9	20		2-73	24
	4-93	40	1368857	4-155	7		11-11	6	1370744	2-65	1
	4-97	40	1368858	4-155	3		11-15	18	1370745	2-69	10
1368100	12-59	9		4-157	16	1369425	12-43	30	1370746	2-69	1
	12-59	13	1368859	4-155	8	1369426	12-43	31	1370749	10-25	
	12-59	15	1368860	4-155	4	1369427	12-43	30	1370942	12-59	19
	12-59	17	1368861	4-155	6	1369428	12-43	31		12-59	23
	12-59	21	1368862	4-155	1	1369429	12-55	2		12-61	19
	12-61	9	1368863	4-155	10	1369450	3-83	6		12-61	23
	12-61	13	1368886	4-17	46		3-85	6	1370949	2-177	14
	12-61	15	1368917	3-5	14	1369456	3-19	17	1371105	3-99	44
	12-61	17	1368949	2-31	25		3-66	52	1371106	3-99	32
	12-61	21		2-33	13	1369457	3-19	17	1371107	3-25	29
1368105	12-55	20	1368952	12-55	27		3-66	52	1371115	3-99	15
	12-55	42	1368953	12-53	14	1369471	12-43	29	1371126	3-99	33
1368110	12-55	13	1368955	12-55	36		12-47	26	1371130	3-99	36
1368136	12-55	12	1368956	12-59	10	1369472	12-43	29	1371149	3-25	24
1368137	12-53	6		12-61	10	1369474	12-43	8		3-99	48
1368140	12-53	12	1368957	12-43	14	1369543	10-25		1371150	3-99	35
1368145	12-59	8	1368965	12-43	19	1369544	10-25		1371154	3-99	42
	12-61	8	1368966	12-43	19	1369549	11-27		1371157	3-95	37
1368146	12-59	12	1368967	12-55	35	1369572	3-19	14		3-99	43
	12-61	12	1368968	12-55	34		3-45		1371161	3-99	11

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1371163	3-99	45		2-139	19		4-41	90		4-125	25
1371170	3-25	5		2-147	22	1375158	4-24	60	1375796	4-125	43
	3-99	30		2-151	14		4-29	92	1375797	4-87	18
	4-132	1		2-151	22		4-32	62		4-93	27
1371203	4-161	6		2-151	26		4-37	89		4-97	27
1371208	4-145	10	1374188	1-11	13		4-41	89		4-125	23
1371209	4-145	12	1374190	1-11	15	1375168	12-41	10	1375822	12-75	1
1371211	4-145	17	1374313	2-147	5	1375169	12-41	4	1375826	3-121	5
1371212	4-145	16		2-151	5	1375171	12-41	1	1375834	3-121	1
1371214	4-145	14	1374549	1-19	15	1375172	12-41	1		3-123	1
1371289	12-9	9	1374601	3-13	8	1375174	3-51	1	1375835	3-121	2
1371429	5-43	2		3-15	8	1375183	5-4	47		3-123	2
1371582	2-115	17		3-77	8		5-9	36	1375844	4-24	53
1371584	2-111	5	1374750	1-12	41		5-15	36		4-28	48
1371601	10-25		1374788	2-95	1	1375189	2-27	6		4-31	18
1371602	11-27			2-97	1		2-27	6		4-35	18
1371605	11-27		1374789	2-107	20	1375196	2-115	29		4-39	18
1371608	11-27		1374916	3-5	18	1375230	3-13	19		4-53	37
1371631	11-27	2		3-57	10		3-15	16	1375847	4-31	1
1371652	2-57	23		3-59	41		3-77	16		4-35	2
	2-59	19	1374917	3-5	26	1375239	3-77	21		4-39	2
	2-73	19	1375029	3-45	10	1375240	3-13	16	1375848	3-112	43
	2-111	5		3-47	10		3-15	13		3-121	8
	2-113	5	1375030	3-45	17		3-77	13		3-123	8
1373801	1-6	51	1375031	3-45	20	1375597	12-73	9		4-32	80
1373819	8-28	57	1375037	3-45	5	1375602	2-119	13	1375878	4-23	26
	8-32	48		3-47	5	1375693	3-51	12		4-32	55
	8-36	57	1375047	3-45	3		3-59	37		4-36	85
	8-39	31	1375048	7-5	12	1375696	3-51	2		4-41	85
1373949	12-53	2	1375049	7-5	12	1375703	4-5	1	1375905	3-33	19
1374050	12-53	3	1375125	2-9	11		4-23	24	1375950	4-85	4
1374057	3-33	32		2-121	26		4-29	95	1375952	2-135	6
	3-83	32		2-123	28		4-32	48		2-147	6
	3-85	32	1375128	2-9	13		4-36	82		2-151	6
1374066	12-43	28		2-121	6		4-40	82	1375953	2-126	26
1374068	12-47	2	1375129	2-9	12		4-73			2-139	26
1374069	12-47	6		2-121	8	1375711	3-65	36	1375954	2-129	17
1374070	12-47	5		2-123	13	1375713	3-65	25		2-141	17
	12-47	12	1375132	2-31	25	1375722	3-51	7	1376006	3-77	15
1374071	12-47	4		2-33	13		3-55	7	1376007	12-31	2
1374072	12-47	3		2-39	11		3-59	34		12-33	2
1374073	12-47	7	1375134	2-31	26	1375744	3-51	12		12-36	15
1374074	12-47	8	1375144	2-111	2		3-55	12	1376114	10-35	4
	12-47	13	1375145	2-111	4	1375777	4-41	101		10-35	3
	12-47	19	1375148	5-3	43	1375779	3-95	43	1376120	10-35	4
1374075	12-47	18		5-9	35	1375786	3-121	12	1376131	11-37	1
1374076	12-47	10		5-15	35		3-123	12	1376133	11-38	31
1374077	12-47	11	1375155	2-25	7	1375787	4-23	2	1376161	11-37	1
1374107	2-125	15	1375157	4-24	59	1375794	4-14	61	1376164	11-37	1
	2-139	15		4-28	91		4-53	37	1376167	11-37	1
1374108	2-126	29		4-32	61	1375795	4-87	17	1376338	12-29	1
	2-129	36		4-37	90		4-119	7	1376340	12-9	

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1376341	12-9	1	1376675	1-11	2	1376779	3-96	57	1377854	12-53	1
1376343	12-9	3	1376676	1-11	2	1376782	3-121	16	1377860	4-94	59
1376344	12-9	4	1376712	4-23	1		3-123	16		4-98	59
1376423	8-23	2	1376713	4-23	1	1376789	2-129	35		4-105	29
1376424	8-21	1	1376722	2-31	24		2-142	42		4-109	36
	8-23	1		2-33	6	1376876	2-135	22		4-113	36
1376429	3-45	8		2-39	6	1377021	3-96	46		4-117	8
1376439	4-167	6		2-41	25	1377047	4-147	4		4-119	13
1376440	4-167	6	1376725	3-95	9	1377048	4-147	6		4-127	31
1376557	7-9	1		3-99	8	1377049	4-147	21		4-131	31
1376568	3-65	39	1376726	3-51	14	1377050	4-147	13	1377868	4-98	64
1376571	3-66	44		3-55	14	1377051	4-147	20		4-105	36
1376572	3-95	45		3-59	32	1377052	4-147	19		4-109	37
1376576	3-51	24	1376727	2-123	7	1377053	4-147	23		4-113	37
	3-59	36		3-96	56	1377067	4-147	2		4-127	20
1376579	12-41	1		3-121	29	1377080	3-9	11		4-131	20
1376581	4-5	12		3-123	24		3-11	11	1377908	2-155	19
1376614	3-96	50	1376730	3-95	19		3-55	27	1377992	1-5	15
1376616	3-96	51	1376731	3-95	17		3-57	27		1-5	15
1376617	4-89	16	1376732	4-5	4		3-59	15	1377998	4-53	1
	4-93	16		4-23	25		3-63	13	1378055	12-9	2
	4-97	16		4-32	49		3-107	17	1378057	12-9	2
	4-109	47		4-59			3-109	17	1378065	12-9	5
	4-113	47	1376743	6-3	33	1377083	3-9	17	1378072	12-9	2
	4-117	26	1376744	6-3	32		3-11	14	1378082	12-9	5
1376618	4-89	28	1376745	6-3	16		3-55	33	1378307	1-11	20
	4-93	28	1376746	3-17	15		3-57	33	1378317	2-129	1
	4-97	28		3-25	18		3-59	20		2-141	1
	4-110	50		3-96	60		3-63	18	1378318	2-133	13
	4-114	50		3-99	20		3-107	21		2-145	13
	4-117	25		3-111	16		3-109	21	1378319	2-133	14
1376619	4-89	23	1376747	4-9	30	1377110	2-129	6		2-145	14
	4-93	23		4-23	38		2-141	6	1378558	2-111	1
	4-97	23		4-31	28	1377116	2-95	4		2-113	1
	4-109	48		4-37	91		2-97	4		2-125	11
	4-113	48		4-41	91	1377138	2-79	6		2-139	11
	4-117	22		4-53	25		2-81	36	1378600	6-3	29
1376620	2-85	1		4-65		1377255	8-11	7	1378661	4-14	50
1376621	3-19	31	1376748	4-5	9		8-15	11		4-49	6
	3-33		1376749	4-167	5		8-19		1378671	4-125	22
1376654	4-44	62	1376766	2-25	12	1377256	8-19	7		4-127	19
	4-47	10		2-27	8	1377257	8-19	9		4-131	19
1376655	4-32	76	1376767	2-121	37	1377258	8-19	12	1378690	10-10	23
1376661	4-23	23		2-123	30	1377259	8-19	10		11-16	31
	4-27	27		4-23	27	1377260	8-19	11	1378691	9-5	7
	4-36	49		4-32	56	1377261	8-19	13		11-5	11
	4-40	49		4-36	86	1377264	8-11	2	1378692	10-10	24
1376666	3-65	19		4-41	86		8-13	2		11-16	30
	12-55	40	1376769	3-95	14	1377266	8-11	2	1378693	11-16	30
1376670	3-51	33	1376770	3-95	15		8-13	2	1378694	9-5	9
	3-55	35	1376771	3-95	16	1377274	12-43	30		11-5	13
	3-59	33		3-99	2	1377751	4-151	1	1378698	9-5	8

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	11-5	12		10-22	10		2-51		1383783	3-105	6
1378699	9-5	8	1380882	8-25	10		2-53			3-107	7
	9-5	9	1381082	8-25	5		2-57			3-109	7
	10-10	24	1381095	9-14	14		2-61		1383784	3-105	8
	11-5	12		9-16	11		2-85		1383994	3-96	45
	11-5	13		10-11	11		2-101		1383995	3-96	45
	11-16	30		10-13	12		2-105		1383996	3-96	45
1379425	2-49	1		10-15	8	1382681	2-47		1383997	2-116	42
1379459	11-35			10-16	12		2-49		1384006	2-77	28
1379460	11-35			10-17	12		2-51		1384007	2-81	22
1379463	11-35			10-19	13		2-53			2-83	22
1379481	4-24	64		10-21	9		2-57		1384008	2-101	15
	4-28	73		10-22	13		2-61		1384400	2-181	17
	4-31	41		11-20	14		2-85		1384594	4-18	52
	4-36	67	1381354	11-9	1		2-101		1384828	4-43	50
	4-40	67	1381357	11-9	1		2-105		1385522	12-39	1
	4-43	43	1381358	11-9	1	1382954	2-175	18	1385860	4-23	9
1379506	8-28	45		11-9	2	1383012	2-13	7		4-89	
	8-36	45	1381359	11-9	1		2-25	5	1385862	4-9	20
1379507	8-28	46	1381362	11-9	1	1383062	8-25	4		4-79	
	8-36	46	1381366	11-9	1	1383331	4-9	1	1385863	4-24	69
1379682	10-10	24	1381560	11-35	1		4-13	1		4-28	76
	11-16	30	1381561	11-35	1		4-24	71		4-31	43
1379683	11-16	30	1381564	11-35	1		4-28	72		4-36	70
1379684	9-5	9	1381765	12-10	21		4-31	40		4-40	70
	11-5	13		12-27	6		4-36	66	1385873	4-36	50
1379685	9-5	8	1381766	12-10	22		4-40	66		4-40	50
	11-5	12		12-27	7		4-43	42		5-32	44
1379687	9-9	16	1381771	10-36	25	1383401	4-31	32	1386216	1-5	5
	10-7	13		11-37	2		4-35	42	1386217	1-5	7
1379758	7-5	25	1381772	10-36	25		4-103		1386220	1-6	43
1379799	12-41	7		11-37	2	1383421	4-31	32	1386221	1-6	42
1380036	10-9	3	1381923	7-7	5		4-107		1386785	2-177	3
1380115	8-21	16	1382056	12-44	42	1383450	5-9	1	1386795	2-111	11
	8-23	11	1382059	3-33	27		5-15	1		2-177	4
1380245	2-159	7	1382111	1-11	3		5-37	28	1386799	2-111	1
1380261	2-175	5	1382112	1-11	4	1383451	5-37	34	1386800	2-111	1
1380268	3-83	19	1382113	1-11	3	1383453	5-37	35		2-113	1
	3-85	19	1382114	1-11	4	1383455	5-37	32	1386806	5-35	1
1380744	4-105	40	1382128	4-94	47	1383457	5-37	33		5-37	1
	4-109	40		4-97	47	1383458	5-37	30	1386813	5-39	4
	4-113	40	1382130	12-39	1	1383460	5-37	31	1386815	2-111	11
	4-121	14	1382306	1-6	41	1383461	5-37	29		2-113	11
	4-123	14	1382316	8-3	46	1383466	5-37	36		2-177	4
1380745	4-105	38		8-8	46	1383559	1-3	12	1386825	4-57	5
	4-109	41	1382320	5-43	1	1383571	3-13	18	1386830	4-57	7
	4-113	41	1382546	2-165	18		3-15	15	1386940	5-27	36
1380757	4-167	6	1382556	6-3	1	1383574	3-13	21		5-32	45
1380879	9-16	8	1382562	3-119	4		3-15	18	1386958	5-13	6
	10-13	10	1382673	3-31	11		3-77	18	1387230	5-31	25
	10-16	9	1382680	2-47		1383621	2-175	8	1387235	5-7	9
	10-19	11		2-49		1383777	6-7	25		5-21	9

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	5-23	10	1391321	2-133	11		5-23	12	1396221	2-31	26
1388304	12-75	8	1391375	5-27	38	1394882	5-19	5	1396255	3-105	10
	12-77			5-31	40		5-21	5	1396256	3-111	35
1388305	12-75	10	1391377	5-3	2		5-23	5		3-117	
1388386	2-179	20		5-9	5	1394884	5-13	7	1396257	3-111	22
1388387	2-155	9		5-27		1394885	5-19	4	1396259	4-53	19
	2-157	5	1392210	4-47	16		5-21	4		4-57	30
1388559	5-27	1		4-151	1	1394886	5-13	8		4-125	
1388563	5-33	1	1392495	1-11	11	1394887	5-13	5	1396270	2-13	16
1388573	5-32	42	1392496	1-11	10	1394888	5-13	4	1396272	2-13	9
	5-33	6	1392718	1-5	2	1394893	5-19	6	1396273	2-13	6
1388579	3-13	14	1392812	1-5	15		5-21	6	1396274	2-13	15
	3-15	12	1393160	5-27	42		5-23	6	1396335	4-53	38
1388924	5-31	22		5-32	40	1394894	5-13	2	1396341	4-53	2
1389359	2-111	1		5-33	4	1394895	5-13	13	1396342	3-111	30
1389365	3-17	22	1393164	5-27	40	1394902	5-13	10		3-115	32
1389475	4-5	26		5-31	40		5-19		1396406	10-36	28
1389476	4-59	23	1393167	12-43	4	1394903	5-13	11		11-38	36
	4-61	23		12-47	22		5-19		1396407	10-36	29
	4-63	24	1393168	12-43	1	1394904	5-39	3		11-38	34
1389477	4-59	24		12-47	20	1394908	5-19	1	1396431	12-9	2
	4-61	24	1393169	12-43	2		5-21	1		12-9	2
	4-63	25	1393427	2-126	30	1394909	5-19	1	1396434	12-9	2
1389479	4-59	19		2-133	17		5-21	1	1396460	12-9	4
1389480	4-59	20		2-136	49	1394912	5-19	7	1396462	12-9	4
1389485	4-5	18		2-139	29		5-21	7	1396472	12-9	4
1389497	3-65	13		2-145	17		5-23	7	1396518	2-19	8
1389498	3-66	55		2-148	50	1394915	2-111	12		2-21	25
	3-83			2-152	52		2-113	12		2-23	8
1389499	3-121	19	1394002	4-10	44	1394923	5-3	37		2-25	8
1389608	5-4	48		4-14	44		5-9	27		2-27	18
	5-9	10		4-21	8	1394930	5-3		1396637	5-31	1
	5-15	10		4-145		1394931	5-7	2	1398479	9-22	20
1390182	1-3	5	1394003	4-47	17	1394932	5-7	1	1398493	9-22	20
	11-37	15		4-57	1	1394942	5-9		1398512	9-22	20
1390365	12-10	18	1394008	3-9	1		5-13		1398541	9-22	20
	12-27	8		3-11	1	1395168	10-5	5	1398595	11-38	31
1390366	12-10	19		3-55	39	1395285	10-10	25	1398604	11-38	31
	12-27	9		3-57	42		11-16	29	1398645	9-22	20
1390367	12-10	18		3-59	27	1395291	10-36	26	1398951	11-38	31
1390368	12-10	19		3-63	5		11-38	32	1399006	12-9	3
1390410	10-35	7		3-105	18	1395292	10-36	27	1399008	12-9	3
1390411	10-35	6		3-107	1		11-38	33	1399023	12-9	3
1390420	10-35	3		3-109	1	1396211	2-31	25	1399041	12-9	
1390421	10-35	3	1394710	5-31	17		2-33	13	1399044	12-9	
1390422	10-35	3	1394711	5-31	19		2-43	11	1399048	12-9	
1390426	10-35	4	1394714	5-31	18	1396212	2-31	24	1400158	5-33	3
1390607	1-3	26	1394879	5-19	2		2-33	6	1400159	5-32	40
1390609	5-27	39		5-21	2		2-43	6		5-33	
1390610	5-31	40		5-23	4		2-45	22	1402189	2-27	19
1390611	1-3	23	1394881	5-19	10	1396219	4-57	6	1402907	4-121	16
1390858	3-31	27		5-21	10	1396220	4-57	2		4-123	16

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1402942	4-121	13	1452463	3-69	6	1454827	4-125	26	1455987	12-51	4
	4-123	13		3-73	6		4-127	40		12-65	
1450104	4-9	11	1452595	5-31	40		4-131	40	1456071	2-115	24
	4-13	11	1452596	5-32	40	1454828	4-125	30	1456464	4-54	54
1450126	3-45	14	1452798	3-83	4		4-127	39	1456472	8-4	49
	3-45	16		3-85	4		4-131	39		8-8	49
	3-47	14	1453052	4-137		1454829	4-125	28		8-15	
1450293	4-167	1	1453153	4-161	19		4-127	38	1456473	8-4	49
1450356	4-167	2	1453348	2-155			4-131	38		8-8	49
1450696	2-115	12		2-157		1454860	4-125	27		8-15	
	2-119	5		2-159			4-127	36	1456518	3-119	6
1450744	12-43	26		2-161			4-131	36	1456522	3-115	19
1450928	2-101	22		2-163		1454862	4-125	29	1456524	3-115	20
	2-103	1		2-165			4-127	37	1456546	1-6	49
	4-10	44		2-169			4-131	37	1456690	6-9	11
	4-14	44		2-173		1455088	12-57	1	1456691	6-9	17
	4-143			2-175		1455089	12-57	4	1456692	6-9	18
1450929	4-143	1		2-177		1455090	12-57	5	1457062	2-135	10
1450930	4-143	2		2-179		1455091	12-57	7		2-152	49
1450931	4-143	3		2-181		1455262	3-83	25	1457120	4-24	58
1451092	8-43	5	1453351	4-145	4	1455305	3-47	18		4-28	90
	8-47	5	1453352	4-145	3	1455306	3-45	15		4-31	37
1451568	3-19	2	1453354	4-145	9		3-47	16		4-36	87
	3-21	23	1453358	4-145	6	1455307	3-47	15		4-41	87
	3-23	23	1453362	4-145	30	1455309	3-47	1	1457312	2-31	6
	3-65	33	1453363	4-145	31	1455310	3-45	1		2-33	18
1451604	2-179	6	1453364	4-145	1		3-47	12		2-35	16
1451696	6-9	16	1453375	4-145	26	1455404	8-4	49		2-37	19
1451697	6-9	4	1453377	4-145	28		8-8	49		2-39	16
1451698	6-9	6	1453379	4-145	29		8-11			2-41	19
1451700	6-9	8	1453385	4-145	27	1455405	8-4	49		2-43	16
1451701	6-9	3	1453386	4-145	15		8-8	49		2-45	15
1451703	6-9	10	1453387	4-145	22		8-11		1457408	2-155	20
1451707	6-9	19	1453468	4-137	8	1455464	1-6	48	1457409	2-155	3
1451743	4-153	19	1453538	6-3	8	1455550	7-7	7	1457410	2-155	4
1451788	8-21	10		6-9		1455601	2-125	9	1457413	2-155	5
1452112	3-9	11	1453562	2-101	4	1455602	2-133	5	1457414	2-155	6
	3-11	11		4-135			2-145	5	1457415	2-155	7
	3-55	28	1453580	2-115		1455674	2-61	4	1457416	2-155	8
	3-57	28		2-125			2-63	4	1457446	2-155	10
	3-59	15		2-129			2-75	4	1457447	2-155	13
	3-63	13		2-133		1455675	2-61	1	1457448	2-161	21
	3-107	17		2-135		1455676	2-61	1	1457449	2-161	2
	3-109	17	1453620	8-3	25		2-63	1	1457450	2-161	2
1452143	4-149	1		8-7	25		2-75	1	1457451	2-161	2
1452145	4-21	10	1453687	6-3	1	1455677	2-61	10	1457452	2-161	2
1452270	8-27	28	1453779	3-33	4		2-63	9	1457453	2-161	3
	8-27	28	1454096	1-5	14		2-75	9	1457454	2-161	3
	8-32	47	1454655	1-6	47	1455770	6-9	5	1457478	2-161	3
	8-35	28	1454663	4-125	21	1455771	6-9	7	1457479	2-161	3
	8-35	28		4-127	18	1455773	6-9	13	1457480	2-161	4
	8-40	47		4-131	18	1455778	6-9	19	1457481	2-161	4

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1457482	2-161	5	1457667	2-169	1	1457758	2-179	3	1457863	2-181	4
1457484	2-161	9	1457669	2-169	2	1457759	2-179	4	1457864	2-181	5
1457485	2-161	10	1457670	2-169	3	1457760	2-179	4	1457866	2-181	14
1457486	2-161	11	1457671	2-169	4	1457761	2-179	4	1457872	2-181	20
1457487	2-161	13	1457672	2-169	5	1457762	2-179	4	1457874	4-54	48
1457488	2-161	13	1457673	2-169	6	1457763	2-179	4		4-153	1
1457489	2-161	16	1457674	2-169	7	1457765	2-179	10	1457875	4-153	11
1457490	2-161	17	1457675	2-169	8	1457766	2-179	11	1457876	4-153	12
1457491	2-161	17	1457676	2-169	9	1457767	2-179	12	1457877	4-153	13
1457493	2-157	21	1457677	2-169	10	1457768	2-179	13	1457878	4-153	20
1457494	2-157	1		2-169	46	1457769	2-179	14	1457879	4-153	18
1457495	2-157	2	1457678	2-169	11	1457770	2-179	15	1457880	4-153	2
1457496	2-157	3	1457679	2-169	12	1457771	2-179	16	1457881	4-153	3
1457497	2-157	4	1457680	2-169	13	1457772	2-179	17	1457882	4-153	4
1457498	2-157	8	1457681	2-169	14		3-115	21	1457883	4-153	5
1457499	2-157	9	1457682	2-169	15	1457773	2-179	21	1457884	4-153	6
1457500	2-157	10	1457683	2-169	16	1457774	2-179	22	1457885	4-153	7
1457501	2-157	11	1457684	2-169	17	1457775	2-179	23	1457886	4-153	8
1457502	2-157	12	1457686	2-169	19	1457776	2-179	24	1457887	4-153	9
1457503	2-157	13	1457687	2-169	20	1457777	2-179	25	1457888	4-153	10
1457504	2-157	14	1457688	2-169	22	1457803	2-177	13	1457889	2-165	32
1457505	2-157	15	1457689	2-169	23	1457805	2-177	11	1457890	2-173	2
1457506	2-157	16	1457690	2-169	24	1457806	2-177	6	1457891	2-173	1
1457508	2-163		1457692	2-169	25	1457807	2-177	7	1457892	2-173	5
1457509	2-163	1	1457693	2-169	26	1457808	2-177	5	1457893	2-173	6
1457510	2-163	3	1457694	2-169	27	1457810	2-177	15	1457894	2-173	7
1457511	2-163	4	1457695	2-169	28	1457811	2-159	1	1457895	3-115	17
1457512	2-163	5	1457696	2-169	29	1457812	2-175	1		3-119	
1457513	2-163	7	1457698	2-169	31	1457813	2-175	7	1457896	2-181	10
1457514	2-163	8	1457700	2-169	34	1457814	2-175	9	1457897	3-115	11
1457515	2-163	10	1457701	2-175	21	1457815	2-175	10	1457898	3-115	18
1457517	2-163	12	1457702	2-169	36	1457816	2-175	11	1457899	3-115	24
1457518	2-163	14	1457703	2-169	37	1457817	2-175	14	1457901	3-115	27
1457520	2-163	16	1457704	2-169	38	1457819	2-159	3	1457902	3-115	31
1457521	2-163	17	1457706	2-169	40	1457820	2-159	6	1457905	2-157	19
1457646	2-165	1	1457707	2-169	41	1457821	2-159	4	1457906	2-179	26
1457647	2-165	2	1457708	2-169	42	1457822	2-159	9	1457907	2-179	27
1457648	2-165	3	1457709	2-169	43	1457823	2-159	8	1457908	2-11	13
1457649	2-165	4	1457710	2-169	44	1457824	2-159	14		2-177	10
1457650	2-165	5	1457711	2-169	45	1457825	2-159	10	1457909	2-11	12
1457651	2-165	6	1457712	2-181	21	1457826	2-159	15		2-177	8
1457652	2-165	27	1457713	2-169	47	1457827	2-159	13	1457910	2-11	13
1457653	2-165	11	1457714	2-170	48	1457828	2-175	17		2-177	10
1457654	2-165	13	1457715	2-175	19	1457844	2-161	18	1457911	2-155	17
1457655	2-165	14	1457749	2-175	22	1457845	2-161	20	1457920	3-115	8
1457656	2-165	15	1457750	2-175	24	1457846	2-161	19	1457956	3-119	7
1457657	2-165	16	1457751	2-175	25	1457847	2-181	13	1457964	3-19	14
1457658	2-165	17	1457752	2-175	26	1457857	2-181	19		3-47	
1457659	2-165	19	1457753	2-175	27	1457858	2-181	9	1458009	4-9	12
1457660	2-165	20	1457754	2-175	28	1457859	2-181	15		4-13	12
1457661	2-165	21	1457755	2-175	29	1457861	2-181	1		4-24	74
1457662	2-165	22	1457756	2-179	1	1457862	2-181	2		4-32	52

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	4-36	72		4-117	20	1461983	4-23	2	1465702	4-67	16
	4-53	12	1459173	1-11	12		4-27	2		4-69	26
1458049	2-11	11	1459270	4-109	44	1462442	3-9	14		4-71	24
	2-177	9		4-113	44		3-11	15	1466043	4-9	30
1458089	2-135	11		4-117	27		3-55	31		4-13	30
	2-147	11	1459383	4-36	59		3-57	31		4-23	38
	2-151	11		4-40	59		3-59	18		4-37	91
1458091	2-147	10	1459493	2-115			3-63	16		4-41	91
	2-151	10		2-125			3-107	15		4-53	25
1458162	2-115	20		2-129			3-109	15		4-67	
	2-119	19		2-133		1462551	9-10	28	1466709	1-5	8
1458163	2-115	28		2-135			10-7	23	1467523	1-17	1
1458164	2-115	24	1459717	3-47	21		11-12	30	1467524	1-17	2
	2-119	13	1460210	2-161	22	1463249	3-35	2	1467525	1-17	3
1458166	2-115	27	1460211	2-161	23	1463912	4-43	16	1467526	1-17	4
	2-119	14	1460212	2-161	24	1464029	3-55	32	1467527	1-17	5
1458175	4-57	35	1460225	3-31			3-57	32	1467529	1-17	7
1458427	3-125	9	1460281	3-19	27		3-59	19	1467531	1-17	6
1458499	1-5	31	1460367	1-5	8		3-63	17	1467580	2-148	48
1458752	8-3	33	1460387	4-141	8	1464144	5-33	5		2-152	48
	8-7	33	1460477	2-23	17	1464540	3-117	3	1467581	2-139	6
1458802	8-11	3		2-27	16	1464541	3-117	2	1467582	2-139	6
	8-13	3		4-17	9	1464543	3-117	1	1467583	2-125	9
1458803	8-11	4		4-17	32	1464544	3-117	6		2-139	9
	8-15	14	1460684	3-35		1464545	3-117	7	1468538	8-3	17
1458804	8-11	5	1460739	2-179	2	1464546	3-117	8		8-7	17
	8-13	4	1460936	12-43	18	1465130	8-13	9	1468570	3-66	55
	8-15	4		12-47	25	1465135	8-13	9		3-85	
	8-17	5	1460948	5-9	26	1465139	8-13	15	1469300	5-7	10
1458805	8-11	6		5-15	26		8-17	15		5-7	22
1458806	8-15	2	1460959	5-9	5	1465140	8-13	18	1469301	5-7	10
	8-17	2		5-15	5		8-17	19		5-19	9
1458810	8-15	7		5-31		1465141	8-13	19		5-21	8
	8-17	4	1460975	5-9			8-17	20		5-23	11
1458811	8-15	10		5-13		1465142	8-13	20	1469342	2-21	2
	8-17	10	1461044	3-121	5		8-17	21		2-23	23
1458813	8-11	6		3-123	5	1465336	3-111	32		2-93	24
1458814	8-15	2	1461077	5-31	21	1465337	3-17	20	1469346	2-107	2
	8-17	2	1461082	2-133	9	1465338	3-95	28		3-21	17
1458818	8-15	10		2-145	9	1465390	2-115			3-41	
	8-17	10	1461083	2-133	10		2-125			3-70	57
1459032	4-31	33		2-145	10		2-141		1469347	3-21	9
	4-35	38	1461427	3-125	3		2-145			3-23	9
	4-39	38	1461718	2-181	22		2-147		1469348	3-7	14
1459037	4-31	33	1461720	2-157	17	1465468	4-67	15	1469350	3-70	56
	4-35	38	1461721	2-157	18		4-69	25		3-87	
	4-39	38	1461743	4-23	17		4-71	25	1469351	3-57	13
1459167	4-109	46		4-27	21	1465469	4-83	2		3-59	44
	4-113	46		4-49	4		4-94	61	1469363	2-21	16
	4-117	21	1461744	4-93	34		4-98	61		2-23	26
1459168	4-109	45		4-97	34		4-121	29		2-23	26
	4-113	45	1461802	1-3	12	1465504	11-16	35	1469364	2-21	3

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	2-23	16	1470159	1-15	34		12-61	1	1479507	3-41	4
1469365	2-23	29	1470160	1-17	8	1475416	12-59	5		3-43	4
1469375	2-21	9	1470161	1-15	42		12-61	5	1479508	3-41	5
	2-23	20	1470163	1-15	29	1475417	12-59	7		3-43	5
1469378	2-21	30	1470164	1-15	41		12-61	7	1479509	3-41	6
1469379	2-21	13	1470687	4-41	100	1475441	12-59	2		3-43	6
1469382	2-47		1471521	3-85	25		12-61	2	1479510	3-41	7
	2-49		1471613	3-57	5	1475605	3-95	14		3-43	7
	2-51		1471694	3-21	18	1476077	4-83	1	1479511	3-41	8
	2-53			3-23	18		4-132	4		3-43	8
	2-57			3-69	23	1476398	4-114	56	1479513	3-41	9
	2-61			3-73	23	1476419	3-23	37		3-43	10
	2-85		1471701	3-7	21	1476595	4-10	55	1479514	3-41	11
	2-101		1471862	3-123	19		4-85			3-43	11
	2-107		1472454	3-69	39	1476598	4-85	8	1479515	3-41	12
1469385	2-49	27		3-70	51		4-87	27		3-43	12
1469390	2-21	17		3-73	39	1476599	4-85	7	1479516	3-41	13
	2-23	7	1472696	2-139	30		4-87	28		3-43	13
1469405	2-21	11	1473594	5-23	8		4-114	54	1479517	3-41	14
	2-23	18	1473595	5-23	9		4-117	15		3-43	14
1469406	2-21	29	1473788	1-5	14		4-119	31	1479518	3-41	15
1469529	4-14	51	1473806	3-57	7	1476713	1-15			3-43	15
	4-49	7		3-59	38		1-17		1479519	3-41	25
1469561	12-73	1	1474020	3-69	35	1476714	1-15			3-43	16
1469581	12-73	10		3-73	35		1-17		1479520	3-41	24
1469582	12-73	11	1474043	3-21	2	1476727	4-113			3-43	17
1469583	12-73	12		3-23	2	1476759	4-9	30	1479521	3-41	26
1469584	12-73	13	1474231	5-35	12		4-13	30		3-43	18
1469585	12-73	14		5-37	12		4-23	38	1479522	3-41	16
1469586	12-73	15	1474763	4-85	6		4-27	32	1479523	3-41	17
1469587	12-73	16		4-87	30		4-53	25	1479524	3-41	18
1469597	2-121	12		4-114	53		4-69		1479525	3-41	19
	2-123	16		4-117	5	1476764	4-114	55	1479526	3-41	23
	4-28	88		4-119	9	1477166	1-25	10		3-43	19
	4-39	1	1474764	4-85	9		1-27	10	1479527	3-41	22
	4-151	15		4-87	29	1477167	1-25	11		3-43	20
1469599	4-28	88		4-117	6	1477237	1-27	11	1479528	3-41	21
	4-39	1		4-119	10	1478702	3-95	21		3-43	21
	4-149	16	1475156	2-99	4		3-99	1	1479529	3-41	20
1469602	4-28	90		2-107	5	1478908	3-69	21		3-43	22
	4-41	87		3-57	8		3-73	21	1479530	3-41	27
1469603	2-121	33		3-59	39	1479091	3-21	5		3-43	25
	2-123	29	1475162	3-69	32		3-23	5	1479531	3-41	28
	2-145	11		3-73	32	1479109	4-63	23		3-43	26
	4-28	89	1475409	3-21	15	1479128	2-115	32	1479532	3-21	18
	4-41	83		3-23	15	1479246	3-55	2		3-23	18
1470152	1-15	1		3-69	11	1479503	3-41	1	1479533	3-21	18
1470153	1-15	1		3-73	11		3-43	1		3-23	18
1470155	1-15	37	1475410	12-59	24	1479504	3-41	2	1479539	3-23	38
1470156	1-15	38	1475413	12-59	1		3-43	2		3-69	14
1470157	1-15	39	1475414	12-59	1	1479505	3-41	3		3-73	14
1470158	1-15	40	1475415	12-59	1		3-43	3	1479862	3-69	15

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
	3-73	15	1483916	4-14	54	1486182	12-15		1487192	3-23	28
1482459	4-13	24		4-49	21	1486183	12-17			3-74	53
	4-49	3	1483917	1-3	11	1486184	12-19		1487199	2-107	2
1482460	4-14	49	1484154	4-87	41	1486185	12-15			3-23	17
	4-49	5		4-119	22	1486186	12-17			3-43	
1482648	4-87	37	1484336	3-107	9	1486187	12-19			3-73	49
	4-119	14	1484337	3-9	6	1486188	12-15		1487200	3-74	57
1482651	4-87	40		3-11	6	1486189	12-17		1487201	5-23	12
	4-119	21		3-55	38	1486190	12-19		1487202	5-23	12
1482654	4-87	39		3-59	28	1486191	12-15		1487623	2-165	1
	4-119	19		3-63	8	1486192	12-17		1487624	2-165	7
1482657	4-87	38		3-78	1	1486193	12-19		1487625	2-165	4
	4-119	8	1484338	3-55	1	1486194	12-15		1487626	2-165	3
1482660	4-87	22		3-57	1	1486195	12-17		1487877	3-51	41
	4-119	16		3-59	1	1486196	12-19		1487878	3-51	5
1482662	4-14	58	1484339	3-107	13	1486349	5-9		1487940	3-65	13
	4-49	17		3-109	13		5-13		1487968	3-23	29
1482663	4-87	32	1484444	2-115		1486367	5-13	10	1487969	3-23	30
	4-119	5		2-125			5-21		1488775	2-169	30
1482664	4-87	34		2-141		1486368	5-13	11	1488776	4-87	25
1482665	4-87	33		2-145			5-21			4-119	17
1482666	4-121	21		2-147		1486374	4-13	20	1488874	2-17	11
	4-123	21	1485320	3-11	10		4-87			2-19	12
1482667	4-87	31		3-55	26	1486530	2-145	11		2-21	19
	4-119	4		3-57	26		4-24	57		2-23	14
1482668	4-14	53		3-59	14		4-28	89	1488918	12-15	1
	4-49	18		3-63	12		4-32	54	1488965	12-17	1
1482699	4-14	59		3-107	14		4-36	83	1488966	12-19	1
1482739	4-161			3-109	14		4-40	83	1488967	12-15	1
1482740	4-161		1485321	3-11	10	1486546	5-23	1	1488968	12-17	1
1482741	4-161			3-55	26	1486547	5-23	1	1488969	12-19	1
1483109	5-31	23		3-57	26	1486566	3-127	4	1488974	12-15	2
1483113	5-35	10		3-59	14	1486698	2-47			12-17	2
	5-37	10		3-63	12		2-49			12-19	2
1483117	1-3	21		3-107	14		2-51		1488975	12-15	2
1483207	4-9	12		3-109	14		2-53			12-17	2
	4-13	12	1485328	1-5	1		2-57			12-19	2
	4-28	78	1485343	1-5	7		2-61		1488976	12-15	2
	4-40	72	1485805	2-35	26		2-85			12-17	2
1483250	1-5	5		2-37	6		2-101			12-19	2
1483338	1-3	20		2-39	26		2-107		1488998	12-15	1
1483465	4-40	42		2-41	6	1486707	3-57	23	1488999	12-17	1
	4-47	12		2-43	26	1486766	4-5	4	1489000	12-19	1
	4-105			2-45	3		4-61		1489002	12-15	1
1483661	12-27	13	1485864	1-3	1	1486767	4-5	18	1489003	12-17	1
1483663	12-27	11	1485866	1-3	1	1487172	2-23	24	1489004	12-19	1
1483664	12-27	12	1485873	4-53	19		2-93	27	1489010	12-15	2
1483881	1-5	1		4-127		1487189	2-23	25		12-17	2
1483882	1-5	1	1485882	5-13	7		2-93	28		12-19	2
1483884	1-5	3	1486178	12-15		1487190	3-23	27	1489011	12-15	2
1483891	3-21	14	1486179	12-17			3-74	52		12-17	2
	3-23	14	1486180	12-19		1487191	4-13	25		12-19	2

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1489012	12-15	2	1493251	3-37	5		3-39		1495156	3-69	40
	12-17	2		3-39	5	1493304	12-15	10		3-70	52
	12-19	2		3-87	5		12-17	10		3-73	40
1489016	12-21	1		3-89	5		12-19	10	1495159	3-69	42
1489017	12-21	1	1493252	3-37	6	1493418	2-181	16		3-73	42
1489034	12-22	2		3-39	6	1493436	4-63	22	1495185	4-5	5
1489035	12-21	3		3-87	6	1493446	4-63	20	1495412	2-101	15
1489037	12-21	2		3-89	6	1493447	4-63	21		2-103	9
1489039	12-21	5	1493253	3-37	7	1493620	2-107	2	1495413	2-101	24
1489050	12-23	2		3-39	7	1493624	3-43	23		2-107	21
1489065	4-41	92		3-87	7	1494017	9-21	8	1495422	2-107	19
	4-49	10		3-89	7		10-36	30		2-109	5
1489711	3-66	59	1493254	3-37	8		11-37	13		3-29	
1490274	4-149	8		3-39	8	1494023	3-9	12	1495423	2-107	19
1490381	5-31	32		3-87	8		3-11	12		3-29	
1490407	4-40	83		3-89	8		3-55	29	1495426	2-63	12
	4-41	83	1493255	3-37	9		3-57	29		2-75	12
1490408	4-40	83		3-39	9		3-59	16	1495427	2-61	20
1490450	3-9	10		3-87	9		3-63	14		2-63	20
1490452	3-9	10		3-89	9		3-107	16		2-75	20
1490464	3-7	19	1493256	3-37	10		3-109	16	1495428	2-77	13
1490465	3-23	3		3-87	10	1494024	3-9	13		2-79	11
1490806	2-85	1	1493257	3-37	11		3-11	13		2-83	11
	2-87	1		3-87	11		3-55	30	1495429	2-79	21
1491830	6-5	8	1493258	3-37	12		3-57	30		2-83	21
1492644	8-25	15		3-87	12		3-59	17		2-93	7
1493165	2-157	22	1493259	3-37	13		3-63	15		2-99	13
	2-173	8		3-87	13		3-107	18		2-107	12
	2-179	31	1493260	3-37	14		3-109	18	1495472	2-69	4
	2-181	23	1493261	3-37	15	1494029	3-9	15	1495473	2-51	12
	3-115	38		3-39	10		3-11	16		2-69	12
1493166	2-166	38		3-87	15		3-107	19	1495474	2-51	12
	2-175	31		3-89	10		3-109	19		2-69	12
	2-179	32	1493262	3-37	16	1494030	3-9	16	1495475	2-51	12
1493246	2-107	8		3-39	11		3-11	17		2-69	12
	3-37			3-87	16		3-55	34	1495499	2-85	1
1493247	3-37	1		3-89	11		3-57	34		2-87	1
	3-39	1	1493263	3-37	17		3-59	21	1495500	2-99	1
	3-87	1		3-39	12		3-63	19	1495501	2-93	25
	3-89	1		3-87	17		3-107	20	1495502	2-93	26
1493248	3-37	2		3-89	12		3-109	20	1495523	12-61	1
	3-39	2	1493264	3-37	18	1494076	1-15	2	1495524	12-61	24
	3-87	2		3-39	13	1494077	1-15	2	1495525	12-61	1
	3-89	2		3-87	18	1494102	3-87	14	1495767	5-13	10
1493249	3-37	3		3-89	13	1494358	4-5	4		5-23	
	3-39	3	1493265	3-37	19		4-63		1495768	5-13	11
	3-87	3		3-39	14	1494684	2-165	11		5-23	
	3-89	3		3-87	19	1495121	3-43	24	1495788	2-175	19
1493250	3-37	4		3-89	14	1495124	3-39	18	1496024	3-15	12
	3-39	4	1493266	3-39	16		3-89	15	1496170	8-8	47
	3-87	4	1493267	3-39	17	1495125	3-39	19	1496172	3-41	10
	3-89	4	1493299	2-107	8		3-89	16		3-43	9

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1496344	3-111	32	1502543	2-15	14	1507692	2-121	16	1514866	9-9	5
1496367	3-111	32		2-17	12		2-142	29		9-19	9
1496740	4-53	19		2-21	26	1507759	2-161	25		10-9	21
	4-57	30		2-23	9	1507778	3-57	11		10-33	9
	4-127			3-25	7		3-59	42		11-11	7
1496922	10-14	15		3-78	6	1507779	3-60	45		11-16	26
	10-16	14		4-17	12	1507923	4-159	11		11-35	9
	10-20	16	1502600	1-3	23		6-3	17		12-15	20
	10-22	15	1502601	3-99	12	1507924	8-35	19		12-17	16
1497789	2-175	6	1502808	3-107	9	1508072	7-5	11		12-19	16
1497790	2-175	30		3-109	9	1508073	7-5	11	1514911	4-53	19
1497828	2-155		1503096	12-21	6	1508234	2-9	14		4-57	30
	2-157		1503439	3-57	2		2-121	10		4-131	
	2-159			3-59	2		2-123	14	1515374	7-5	7
	2-161		1503474	12-24	2		4-149	10	1515588	7-3	5
	2-163		1503476	12-22	2	1510117	4-17	8	1515654	4-17	6
	2-165			12-23	2	1510230	3-74	62	1515658	3-74	51
	2-169			12-24	2	1510314	4-165	1	1515675	3-69	22
	2-173		1503478	12-22	1	1510315	4-165	1		3-73	22
	2-175		1503479	12-22	1	1510317	4-165	1	1515680	5-23	8
	2-177		1503481	12-23	1	1510318	4-165	1	1516072	3-57	41
	2-179			12-24	1	1510786	3-9	3		3-60	46
	2-181		1503482	12-23	1		3-11	3	1516142	5-41	4
1498114	2-179	26		12-24	1		3-55	36		5-41	4
1498198	3-123	17	1503861	3-74	56		3-57	35	1516576	3-59	29
1498325	12-21	4	1504009	9-19	6		3-59	22	1517441	12-27	2
1498428	4-121	15		12-15	17		3-63	1	1517448	12-27	1
	4-123	15	1504010	10-33	6		3-107	3	1517449	12-27	1
1498507	2-116	43		11-35	6		3-109	3	1517452	12-27	1
1498636	5-9	38		12-17	14	1511318	12-31	1	1517453	12-27	1
	5-15	38		12-19	14	1511319	12-31	1	1518219	12-27	15
1499111	9-16	17	1504011	9-19	6	1511320	12-31	1	1518233	12-27	
1499511	3-9	8	1504012	10-33	6	1511890	12-33	1	1518234	12-27	
	3-11	8		11-35	6	1511891	12-33	1	1518236	12-27	
1500537	8-35	27		12-15	17	1511894	12-33	1	1518237	12-27	
	8-39	27		12-17	14	1511910	12-31	2	1518239	12-27	
1500782	1-25	9		12-19	14	1511912	12-33	1	1518241	12-27	
1500784	1-27	9	1504038	5-41	19	1512088	2-109	5	1518249	12-27	1
1500880	2-121	15		7-5			3-29		1518250	12-27	1
	2-141	25	1504039	5-41	27	1512403	2-27	15	1518251	12-27	1
1500884	2-126	28		7-5		1513906	1-5	15	1518252	12-27	1
	2-139	28	1504424	2-139	1	1513907	1-5	16	1518253	12-27	1
1500885	2-147	9	1505053	3-73	50	1514215	4-13	37	1518254	12-27	1
	2-151	9	1506840	4-53	37		4-17	21	1518983	2-119	26
1501259	1-19	21	1506841	2-115			4-28	66	1518984	2-119	17
1501260	3-73	48		2-139			4-40	63	1518992	12-27	
	3-89			2-141			4-43	39	1519025	4-121	24
1501332	3-115	15		2-145			4-53	31		4-123	24
1501333	3-115	14		2-151		1514429	3-25	12	1519131	5-45	4
	3-115	16	1507400	4-41	83		3-127	5		5-45	5
1501413	6-11	9	1507610	2-165	12		4-17	10	1519132	5-45	4
1501952	2-109	1	1507689	2-179	10		4-17	34		5-45	5

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1519133	5-45	13		4-151	8	1530543	2-43	35	1538871	2-139	
1519134	5-45	14	1527353	2-119	12		2-45	23		2-141	
1519611	4-83	3	1527470	1-9	4	1530544	2-35	35		2-145	
	4-132	5	1527557	2-65			2-39	36		2-151	
1519632	2-177	16		2-67			2-41	28	1539193	4-17	7
	4-54	57		2-71			2-43	37	1539236	2-37	32
1520644	4-24	56	1527558	2-47			2-45	25	1539570	3-69	31
	4-28	53		2-49		1530546	2-35	33		3-73	31
	4-31	31		2-51		1530583	4-165	15	1539962	4-17	45
	4-36	43		2-55		1530591	2-35	36	1540643	4-17	33
	4-40	43		2-59		1530592	2-39	34	1541607	4-121	17
1520828	2-121	13		2-63		1530593	2-39	37		4-123	17
	2-123	17	1527562	4-17	36	1530594	2-35	34	1541608	4-121	18
	4-151	2	1527571	2-103	13	1530595	2-39	35		4-123	18
1522243	5-17	3		4-17	41	1530956	2-157	17	1541609	4-121	19
	5-25		1527835	2-43	7	1531231	4-83	20		4-123	19
1522294	5-17	4		2-45	29	1531232	4-83	27	1542464	4-44	51
	5-25		1527836	2-39	7		4-83	33	1542466	2-41	26
1523551	5-23	9		2-41	32	1531233	4-83	13	1542467	2-41	27
1523732	1-25	7	1527837	2-35	7	1531235	4-83	18	1542468	2-41	29
	1-27	7		2-37	27	1531237	4-83	4	1542479	3-63	11
1523733	1-25	8	1527876	3-25	10		4-83	21	1543094	5-25	13
1523735	1-25	12		4-17	30		4-83	26	1543096	5-25	13
1523737	1-27	8	1527877	4-18	54	1531238	4-83	19	1543097	5-25	13
1523739	1-27	12	1527879	4-17	39	1531239	4-83	28	1543098	5-25	13
1523953	5-23	3	1527880	3-78	7	1531240	4-83	25	1543102	5-25	21
1524201	2-115		1527883	4-18	53	1531981	12-41	7	1543104	5-25	22
	2-139		1528353	4-53	25	1531991	4-83	22	1543105	5-25	23
	2-141		1528482	3-78	3	1532232	3-25	26	1543106	5-25	24
	2-145		1528492	2-35	21	1532253	3-25	28	1543245	4-21	9
	2-151			2-37	10	1534417	3-127	3	1543568	2-121	1
1524233	5-15	27		2-39	21		4-17	14		2-123	4
1525916	3-55	24		2-41	10	1535196	2-39	36	1543668	4-5	23
	3-59	36		2-43	21		4-9	31	1544016	4-17	4
1525923	3-57	24		2-45	7		4-13	31	1544114	2-27	9
1526078	2-115	38	1528495	2-35	3		4-27	33	1544577	4-43	2
1526079	2-115	23		2-37	2		4-43	31	1544764	12-41	7
1526082	12-39	4		2-39	3		4-53	26	1544792	3-78	14
1526166	5-9	16		2-41	3	1536380	12-41	7	1544934	4-43	4
	5-15	16		2-43	3	1536998	2-11	13	1545116	4-43	3
	5-35	38		2-45	38	1536999	2-11	13	1545408	4-17	1
	5-37	39	1528527	2-139		1537441	5-25	6		4-44	59
1526168	2-35	32		2-141		1537444	5-25	7		4-47	22
	2-37	9		2-145		1537445	5-25	8	1545418	3-78	4
	2-39	32		2-151		1537446	5-25	9	1545443	2-103	25
	2-41	9	1528778	4-17	31	1537449	5-25	13		4-17	43
	2-43	32	1528866	5-45	10	1537450	5-25	14	1545444	2-103	24
	2-45	6	1528948	1-6	50	1537451	5-25	18		4-17	42
1526186	8-7	17	1530541	2-43	36	1537455	5-25	2	1545445	2-169	32
1526995	2-35	6		2-45	24	1537459	5-25	20	1545857	2-121	39
1527018	2-121	11	1530542	2-43	38	1537474	3-123	19		2-123	32
	2-123	15		2-45	26	1538089	5-17	2	1545871	5-23	12

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1546390	4-17	24	1553775	2-91	1	1554003	2-103	23		3-101	8
1546688	2-27	12	1553776	2-91	7	1554005	2-103	31		3-103	6
	2-27	12	1553777	2-91	10	1554006	2-103	30	1558187	3-78	13
1546827	2-47		1553778	2-91	11	1554008	2-103	30		3-81	6
	2-49		1553779	2-91	12	1554030	2-103	11		3-93	1
	2-51		1553787	2-91	16		4-138		1558188	3-93	2
	2-53		1553793	2-99	9	1554032	4-138	3	1558189	3-93	3
	2-57			2-109	2	1554033	4-138	1	1558190	3-81	1
	2-61		1553794	2-109	11	1554034	4-138	2		3-93	4
1546829	2-65		1553795	2-109	13	1555006	8-7	19	1558191	3-81	7
	2-67		1553796	2-109	15	1555993	2-155			3-93	5
	2-71		1553797	2-109	14		2-157		1558192	3-93	6
	2-79		1553798	2-109	12		2-159		1558193	3-93	9
1547239	3-127	1	1553800	2-91	28		2-161		1558194	3-93	12
1547338	4-17	5		2-109	9		2-163		1558196	3-81	18
1547362	4-17	27	1553829	2-93	15		2-165			3-101	11
1547363	4-17	37	1553830	2-91	21		2-169		1558202	3-81	2
1547366	4-17	26	1553831	2-91	17		2-173		1558432	3-91	15
1548351	3-127	2	1553832	2-91	13		2-175			3-103	14
1548356	2-103	27		2-93	2		2-177		1558434	3-101	3
	4-17	48	1553833	2-91	22		2-179			3-103	8
1548357	2-103	27	1553834	2-91	23		2-181		1558435	3-91	6
	4-17	47	1553835	2-91	24	1556342	4-17	44		3-103	9
1548874	4-17	51	1553837	2-91	25	1556395	2-123	37	1558532	3-81	9
1549375	4-43	30	1553838	2-91	14	1556407	3-123	17		3-91	1
1549399	4-43	46	1553839	2-91	18	1556850	4-13	30	1558533	3-91	4
	4-47	20	1553840	2-91	19	1556851	4-71		1558534	3-91	9
1549400	4-44	68	1553841	2-91	20	1558161	3-91	21		3-103	18
	4-47	19	1553842	2-91	29		3-93	11	1558535	3-81	12
1549461	3-78	5	1553864	2-93	1	1558163	3-81	10		3-91	12
1550986	2-103	26	1553865	2-93	16		3-91	3		3-101	1
1553086	4-121	12	1553866	2-93	10		3-101	4		3-103	17
	4-123	12	1553867	2-93	8		3-103	12	1558536	3-81	17
1553094	4-83	34	1553868	2-93	3	1558164	3-81	11		3-91	13
1553586	2-99	10	1553869	2-93	17		3-91	19		3-101	10
1553691	2-49	27	1553870	2-93	13	1558165	3-91	7		3-103	21
1553692	2-49	19	1553871	2-93	12		3-103	15	1558537	3-91	16
	2-67	6	1553878	2-61	21	1558168	3-91	18	1558538	3-93	13
1553693	2-49	21	1553943	2-83	13		3-93	7	1558539	3-81	14
	2-67	15	1553944	2-83	6		3-93	10		3-101	2
1553708	2-65	15	1553945	2-83	9	1558170	3-91	8	1558540	3-81	4
1553715	2-59	3	1553946	2-83	14		3-91	11	1558542	3-81	3
1553716	2-59	12	1553947	2-83	14		3-103	16	1558543	3-81	13
1553717	2-59	13	1553948	2-83	14	1558171	3-91	10	1558544	3-81	19
1553722	2-51	5	1553980	4-13	24		3-103	4	1558545	3-81	5
	2-69	4	1553984	2-103	16		3-103	19	1558550	3-103	11
1553762	2-55	18	1553985	2-103	10	1558173	3-103	13	1558551	3-101	6
1553763	2-55	25	1553992	2-103	33	1558175	3-81	8		3-103	2
1553766	2-89	1	1553996	2-103	15		3-91	17	1558561	3-103	1
	2-109	6	1553997	2-103	14	1558176	3-91	20	1558563	3-101	9
1553773	2-91	2	1554000	2-103	34		3-93	8		3-103	3
1553774	2-91	3	1554001	2-103	32	1558177	3-91	22	1558564	3-103	5

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
1559745	8-8	46	2026608	4-9	22		2-81	31	2034902	4-21	13
1559746	8-8	47		4-13	22		2-83	31	2035531	4-31	33
1559958	2-119	28		4-53	21	2029106	2-79	7		4-35	38
1559959	2-142	27	2026798	4-135	12		2-81	7		4-39	38
1561870	3-81	20		4-137	12		2-83	7	2035583	10-33	
	3-101	12	2027655	2-33	11	2029107	2-79	32	2035584	10-33	
	3-103	22		2-35	9		2-81	32	2035711	4-35	42
1562045	2-121	42		2-37	23		2-83	32		4-40	42
	2-123	38		2-39	9	2029108	2-79	15		4-40	58
1562046	2-121	43		2-41	23		2-81	15		4-109	
	2-123	39		2-43	9		2-83	15	2036169	4-9	20
1562047	2-121	44		2-45	20	2029111	2-81	9		4-21	16
	2-123	40	2028644	2-79	25	2029112	2-79	23		4-81	
2004005	3-5	16		2-81	25		2-81	23	2036703	4-23	1
	10-36	21		2-83	25		2-83	23	2036704	4-23	1
2007856	1-3	18		2-83	39	2029114	2-79	17	2036706	4-23	9
2013075	9-14	10	2028645	2-79	28		2-81	17		4-93	
	11-20	9		2-81	28		2-83	17	2037064	3-31	19
2013088	10-26	15		2-83	28	2029115	2-79	19	2037065	3-31	20
	10-30	15	2028852	2-71	18		2-81	19	2037066	3-31	23
	11-24	15	2028853	2-59	11	2029116	2-79	20	2037067	3-31	24
	11-28	15		2-73	11		2-81	20	2037189	8-13	
	11-32	15	2028854	2-73	13		2-83	20	2037190	8-13	
2013089	10-26	16	2028927	2-65	12	2029120	2-79	29	2037192	8-17	
	10-30	16	2029081	2-65	7		2-81	29	2037193	8-17	
	11-24	16	2029082	2-59	17		2-83	29	2037936	2-33	1
	11-28	16		2-73	26	2029170	2-35	4	2037993	4-27	10
	11-32	16	2029084	2-73	12		2-37	5		4-93	
2013099	10-25	8	2029085	2-73	17		2-39	4	2038974	4-23	1
	10-29	8	2029086	2-59	22		2-41	5	2038975	4-23	1
	11-23	8		2-73	22		2-43	4	2039172	2-33	1
	11-27	8	2029087	2-73	3		2-45	2	2039173	2-33	9
	11-31	8	2029093	2-69	10	2029227	2-35	28	2039174	2-33	9
2021447	2-95	1	2029094	2-69	10		2-37	7	2039175	2-33	9
2021512	2-35	27	2029095	2-55	21		2-39	28	2039306	4-10	47
	2-37	4		2-71	21		2-41	7		4-41	96
	2-39	27	2029096	2-71	25		2-43	28	2040357	8-3	47
	2-41	4	2029097	2-55	24		2-45	4		8-8	63
	2-43	27		2-71	24	2029344	5-17	1		8-35	30
	2-45	1	2029098	2-55	26	2033502	8-3	47		8-47	
2021562	1-9	7		2-71	26		8-8	63	2040523	2-21	1
2022309	2-79	5		2-81	2		8-27	30		2-23	21
	2-83	5	2029100	2-63	8		8-31	29	2040526	6-3	18
2022532	4-145	13		2-75	8		8-43		2040959	7-5	2
2022534	4-145	19	2029101	2-63	10	2033503	8-3	47	2041822	2-33	1
2022535	4-145	20		2-75	10		8-8	63	2041823	2-33	1
2022538	4-145	23	2029102	2-63	11		8-27	30	2042619	8-3	47
2022566	3-13	26		2-75	11		8-47			8-8	63
	3-15	23	2029103	2-61	16	2033682	2-121	25		8-35	30
	3-77	23		2-63	21		2-123	27		8-39	29
2022655	2-49	22	2029104	2-75	17		2-151	43		8-43	
	2-67	17	2029105	2-79	31	2034520	3-66	48	2042799	3-23	4

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2043322	5-23	3		4-44	58	2045837	10-22		2053771	11-31	
2043440	5-25	17		4-47	21	2045844	10-22		2053772	11-31	
2043528	12-15	3	2044980	4-27	1	2045865	10-16		2053773	11-31	
	12-17	3	2044981	4-27	1	2045866	10-16		2053775	11-31	
	12-19	3	2045023	2-81	4	2045869	10-16		2053795	10-29	
	12-21			2-103	28	2046163	9-16	13		11-31	
2043529	12-15	3	2045024	2-79	13	2046174	9-16		2053796	10-29	
	12-17	3		2-81	13	2046179	9-16			11-31	
	12-19	3	2045025	2-79	18	2046185	9-16		2053797	11-31	
	12-21			2-81	18	2046186	9-16		2053799	11-31	
2043530	12-15	6		2-83	18	2046187	9-16		2054530	2-35	1
	12-17	6	2045026	2-79	24	2046193	9-16			2-37	1
	12-19	6		2-81	24	2046198	9-16		2054531	2-39	1
2043531	12-15	4		2-83	24	2046243	12-15	4		2-41	1
	12-17	4	2045027	2-85	5		12-17	4		2-43	1
	12-19	4		2-87	5		12-19	4		2-45	36
2043532	12-15	4	2045028	2-85	6	2046244	12-15	5	2055337	2-35	1
	12-17	4		2-87	6		12-17	4		2-37	1
	12-19	4		2-89	2		12-19	5	2055338	2-39	1
2043533	12-15	5	2045030	2-51	4	2046245	12-15	4		2-41	1
	12-17	5		2-69	5		12-17	4		2-43	1
	12-19	5	2045031	2-69	4		12-19	4		2-45	36
2043534	12-15	5	2045033	2-51	9	2046246	12-15	5	2056032	2-141	15
	12-17	5		2-69	9		12-17	4	2058112	10-29	
	12-19	5	2045034	2-51	6		12-19	5	2058115	10-29	
2043859	4-79	20		2-69	6	2046279	9-16		2058205	10-29	1
	4-81	23	2045036	2-59	28	2046715	10-19	1	2058206	10-29	1
	4-87	23		2-63	22		10-22	7	2058210	10-29	1
2043864	2-65			2-73	28	2047019	4-51	3		11-31	1
	2-67			2-75	22	2048764	4-49	1	2058213	10-29	1
	2-71			2-79	39		4-119			11-31	1
	2-81			2-81	37	2049385	2-145	4	2058214	11-31	1
	2-87			2-83	40	2049780	4-93		2058219	11-31	1
	2-97		2045308	2-99	12	2049991	4-27	1	2058247	10-29	1
2043865	2-65		2045318	2-79	22	2050006	4-27	1	2058253	10-29	1
	2-67		2045319	2-79	26	2050544	4-47	8	2058258	10-29	1
	2-71			2-81	26	2051128	2-59	10	2058259	11-31	1
	2-79			2-83	26		2-73	10	2058471	4-17	25
	2-87		2045320	2-101	23	2051129	2-73	3		4-83	
	2-101		2045321	2-49	15	2051288	3-69	9	2060449	4-27	10
	2-107			2-67	10		3-73	9		4-97	
2043866	2-65		2045461	5-9		2052756	3-69	48	2060653	5-15	
	2-67			5-13			3-74	63		5-17	
	2-71		2045701	10-13		2053666	2-119	18	2061648	2-37	31
	2-79		2045705	10-13			2-121	23	2061649	2-37	33
	2-87		2045743	10-19			2-123	22	2061861	10-29	
	2-101		2045750	10-19		2053667	2-119	28	2061862	10-29	
	2-107		2045773	10-13		2053670	4-51	1	2061868	10-29	
2043988	2-119	24	2045776	10-13			4-119		2061875	11-31	
2044371	6-11	6	2045779	10-19		2053671	4-117		2062262	4-43	15
2044705	4-36	58	2045795	10-16		2053730	1-9	5	2062421	3-63	9
2044948	4-17	2	2045836	10-22		2053770	11-31		2062462	3-63	9

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PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM	PART NO.	PG	ITEM
2062954	2-27	13	2302899	8-25	11	2309136	10-25	1	2314324	4-157	2
	2-27	13	2303489	11-23		2309353	11-23	1	2314325	4-157	3
2063039	3-70	53	2303532	11-23			11-27	1	2314326	4-157	4
2063066	4-43	26	2303634	12-13	2	2309410	11-23	2	2314327	4-157	5
	4-47	12	2303824	11-23	2	2309480	11-23		2314328	4-157	6
	4-123		2303871	10-25	1	2309719	12-13	2		4-157	7
2063067	4-43	25		11-23	1	2309766	9-9	17	2314330	4-157	8
	4-47	12		11-27	1		10-7	18	2314331	4-157	9
	4-121		2303899	11-23	2		11-11	22	2314332	4-157	10
2063463	2-123	3	2303951	11-23		2309770	11-23	1	2314333	4-157	11
2063464	2-123	6	2304216	11-23	2		11-27	1	2314334	4-157	12
2063645	11-31	1	2304345	12-13	1	2309799	1-19	16	2314335	4-157	12
2063690	11-31	1	2304575	10-25	1	2310270	11-23		2314336	4-157	12
2063691	11-31	1	2305742	11-23	1	2310340	11-27	1	2314337	4-157	13
2063693	11-31	1		11-27	1	2310768	12-13	8	2314338	4-157	14
2064046	11-31	1	2306283	12-13	8	2311141	11-23	2	2314339	4-157	15
2065705	3-127	1	2306755	12-13	3	2311434	10-25	1	2314340	4-157	17
2066205	2-121	24	2306774	11-23	2		11-23	1	2314341	4-157	18
2066629	2-93	11	2307201	10-25	1		11-27	1	2314342	4-157	19
2066630	2-93	6	2307457	10-25	1	2311471	12-13	1	2314973	2-49	17
2067650	4-17	40	2307647	12-13	10	2311624	12-13	9		2-67	8
2067796	4-43	1	2307729	5-41	32	2311691	11-23	1	2867529	3-77	12
2067799	4-43	1	2307773	11-23			11-27	1	3065672	2-81	14
2068094	4-101	1	2308980	10-25	1	2314322	4-10	42	8513873	2-141	15
2068095	4-101	2	2309026	11-23	1		4-13	42	8519026	2-141	15
2068096	4-101	3		11-27	1		4-157		8522272	3-25	13
2302410	11-23		2309044	11-23	2	2314323	4-157	1	8524474	3-25	2

[illegible]

