

# OWNER'S MANUAL

Safety, Maintenance, and Operation

## Summit Service Vehicle

Manual # 700-20016

Revision Date 11/26/2018



Summit Truck Bodies  
990 Vernon Road  
Wathena, KS 66090  
866-985-3100  
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[www.summitbodies.com](http://www.summitbodies.com)

Subject to Change without Notification





## Summit Truck Bodies Warranty Registration Fax Transmission

To: Warranty Department Fax: (785) 989-3563

From: \_\_\_\_\_ Date: \_\_\_\_\_

Re: Product Registration Pages: \_\_\_\_\_

**End user information:** (Required for Warranty Activation)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Contact: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

**Distributor Information** (Required for Warranty Activation)

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Contact: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

**Product Information** (Required for Warranty Activation)

Model Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date Product Delivered: \_\_\_\_\_ Date Processed:\*

Original Vehicle Vin: \_\_\_\_\_ \*For Summit Use Only

**ONE REGISTRATION FORM PER UNIT (CRANE OR BODY)**  
Registration form must be mailed or faxed within 30 days of customer installation.

**Mail to:**  
Warranty Department  
Summit Truck Bodies  
990 Vernon Road  
Wathena, KS 66090









## TABLE OF CONTENTS

Warranty Registration.....	Page 3
Revision Record.....	Page 5
Forward.....	Page 8
Introduction.....	Page 9
Safety.....	Page 10
Safety Decals.....	Page 12
10 Series Photos and Drawings.....	Page 18
8 Series Photos and Drawings.....	Page 20
7 Series Photos and Drawings.....	Page 22
Maintenance.....	Page 24
Lubrication.....	Page 25
Inspection.....	Page 27
Accessories.....	Page 29
Warranty.....	Page 33

## FORWARD

This guide is a reference for the new operator and a refresher for the experienced one. Read – study – and keep it with the truck.

This guide contains safety, operation, and maintenance information.

Operating techniques outlined in the guide are basic. Skill and techniques develop as the operator gains knowledge of their service truck and products being delivered.

You are responsible for observing all applicable Federal, State, and Local Laws and Regulations and for following the manufacturer’s instructions for operation and maintenance of the truck. The design and specifications allowed for appropriate weight distribution when loaded with products for delivery.

# INTRODUCTION

## READ CAREFULLY

Summit Truck Bodies are designed to provide safe and dependable services for a variety of operations. With proper use and maintenance, these trucks will operate at peak performance for many years. To promote this longevity, carefully study the information contained in this manual before putting the equipment into service. Though it is not intended to be a training manual for beginners, this manual should provide solid guidelines for the safe and proper usage of the truck. Once you feel comfortable with the material contained in this manual, strive to exercise your knowledge as you safely operate and maintain the vehicle. This process is vital to the proper use of the unit.

It is the user's responsibility to maintain and operate this vehicle in a manner that will result in the safest working conditions possible.

In addition, it is also the user's responsibility to be aware of existing Federal, State and Local codes and regulations governing the safe use and maintenance of this unit

Warranty of this unit will be void on any part of the unit subject to misuse due to overloading, abuse, lack of maintenance or unauthorized modifications. No warranty - verbal, written or implied - other than the official published Summit new machinery and equipment warranty will be valid with this unit.

**Treat the equipment with respect and service it regularly.  
These two things can add up to a safer working environment  
and longer equipment life.**

<p><b>Summit Truck Bodies issues a limited warranty certificate with each unit sold. See last page for warranty.</b></p>
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### **Distributor Assistance:**

Should you require any assistance not given in this manual, we recommend that you consult your nearest Summit Truck Bodies Distributor. Our distributors sell authorized parts and have service departments that can solve almost any needed repair. This manual does not cover all maintenance, operating, or repair instructions pertinent to all possible situations. **If you require additional information, please contact Summit Truck Bodies at the following telephone number: (866) 985-3100.** The information contained in this manual is in effect at the time of this printing. Summit Truck Bodies reserves the right to update this material without notice or obligation.

# SAFETY

## **Please Read the Following Carefully!**

This portion of the manual contains information regarding all Summit Truck Bodies manufactured Service Vehicles. Some items contained within this portion may not apply to your specific equipment.

Safety should be the number one thought on every operator's mind. Three factors should exist for safe operation: a qualified operator, well-maintained equipment, and the proper use of this equipment. The following information should be read and understood completely by everyone working with or near the vehicle before putting the unit into operation.

Please take note that Summit Truck Bodies is not liable for accidents incurred by the vehicle because of non-fulfillment from the operator's side of current rules, laws, and regulations.

Do not wear rings, wristwatch, jewelry, loose-fitting or hanging clothing such as ties, torn garments, scarves, unbuttoned jackets or unzipped overalls, which could get caught up in the moving parts of the vehicle.

Keep a first-aid box and a fire extinguisher readily available on the truck. Regularly check to make sure the fire extinguisher is fully charged and the first-aid kit is stocked.

Do not use controls and hoses as handholds. These parts move and cannot provide stable support.

## **General**

It is the responsibility of the owner to instruct the operator in the safe operation of your equipment and to provide the operator with properly maintained equipment.

Trainees or untrained persons shall be under the direct supervision of qualified persons.

Do not operate equipment under the adverse influence of alcohol, drugs, or medication.

## **Personal Safety**

Keep clear of all moving parts.

Always wear the prescribed personal safety devices.

Always wear approved accident-prevention clothing such as: protective helmets, anti-slip shoes with steel toes, protective gloves, anti-noise headphones, protective glasses, and reflective jackets with breathing apparatus. Consult your employer regarding current safety regulations and accident-prevention equipment.

Do not perform any maintenance or repair work on the vehicle unless authorized and trained to do so.

Release system pressure before attempting to make any adjustments or repairs.

Do not attempt service or repair when the PTO is engaged.

Failure to correctly plumb and wire the vehicle can cause a malfunction and damage to the vehicle and/or operator.

Decals are considered safety equipment. They must be maintained, as would other safety devices. Do not remove any Decals. Replace any Decals that are missing, damaged, or not legible. The safety instruction plates, notices, load charts and any other sticker applied to the crane or service body must be kept legible and in good condition. If necessary, replace them.

## **Stability**

Know the crane components and their capabilities and limitations. Overloading the crane may result in serious injury to self and others, and damage to the equipment and immediate surroundings.

Never exceed manufacturer's load ratings. These ratings are based on the machine's hydraulic, mechanical, and structural design rather than stability.

The supporting surface under the service truck must be able to support the weight of the machine and its load. Use outrigger pads if necessary.

Park the vehicle on level ground and extend the outriggers fully out and then down.

Keep feet and legs clear when lowering outrigger jacks.

Never operate the crane without making sure the outriggers are positioned on stable, flat ground.

Set the parking brake and disengage the drive axle before attempting a lift.

## **Load Safety**

Operate the crane in compliance with the load capacity chart at all times. Know the weight of the load being lifted. Do not rely on the overload device to determine maximum rated loads. If the crane is picking more than the maximum rated load, the overload protection device may be malfunctioning. Discontinue use immediately and contact Summit Truck Bodies Customer Service for support.

Never use a sling bar or anything larger than the hook throat that could prevent the hook latch from closing. This would negate the safety feature.

**Do not apply side loads to the booms.**

**Do not leave a crane load suspended or unattended.**

**Do not walk under suspended loads.**

**Do not position any load over a person nor should any person be permitted to place him or herself under a load.**

**Do not use the boom or the winch to drag a load.**

**Do not use the crane boom to push downward onto anything.**

## **Environment**

Do not operate the crane during electrical storms.

In extreme cold, allow adequate time to warm the truck before engaging the PTO. Engage PTO and let oil warm for approximately 15 minutes before engaging compressor or crane. Do not rev the truck engine and over speed the hydraulic pumps as permanent damage to the pumps may occur. Follow the vehicle owner's manual regarding operating the vehicle in such adverse conditions.

In dusty work areas, every effort must be taken to keep dust and sand out of the moving parts of the machinery.

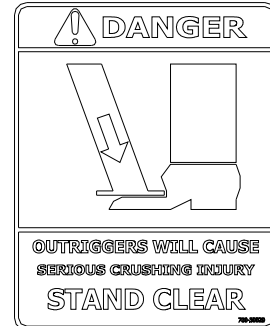
In high humidity work areas, keep parts as dry as possible and well lubricated.

## **Maintenance Safety**

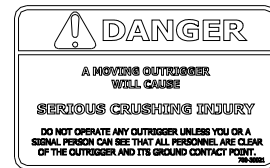
Never modify or alter any of the equipment, whether mechanical, electrical, or hydraulic, without explicit approval from Summit Truck Bodies.

# Safety Decals

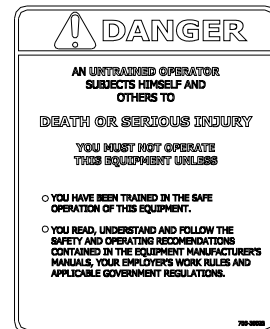
Decal Number: 700-30020  
 Title: DANGER FOOT, STAND CLEAR  
 Description: Warns operator to keep feet out from under outrigger foot.



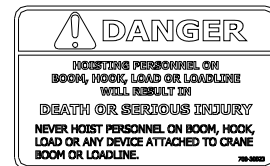
Decal Number: 700-30021  
 Title: CAUTION, STAND CLEAR  
 Description: Warns operator to be able to see outrigger foot contacting ground.



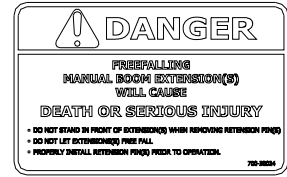
Decal Number: 700-30022  
 Title: DANGER, UNTRAINED OPERATOR  
 Description: Must not operate equipment unless trained or read and understood safety and operating recommendations.



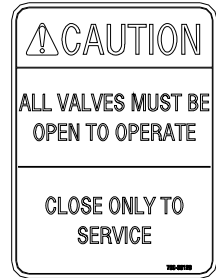
Decal Number: 700-30023  
 Title: DANGER, HOISTING PERSONNEL  
 Description: Never hoist personnel on boom, hook, load or any device attached to crane.



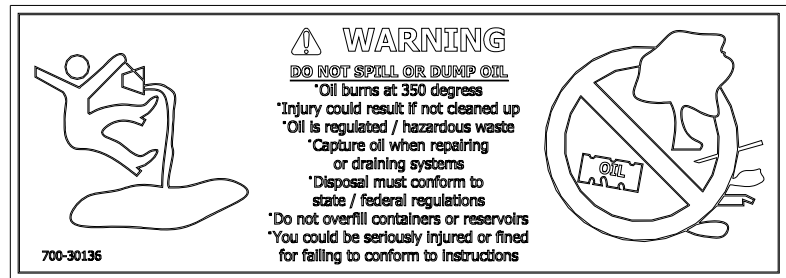
Decal Number: 700-30024  
 Title: DANGER MANUAL EXTENSION  
 Description: Free falling manual boom extensions can cause death or serious injury.



Decal Number: 700-30129  
 Title: CAUTION, OPEN VALVE  
 Description: All valves must be open to operate. Close only to service.



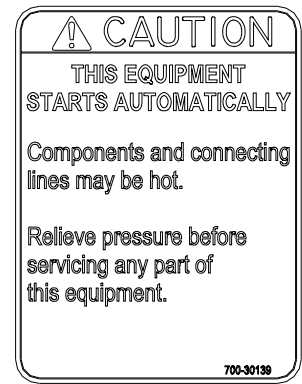
Decal Number: 700-30136  
 Title: DO NOT SPILL  
 Description: Notifies operator not to spill or dump oil. Gives guidelines on how to handle oil.



Decal Number: 700-30137  
 Title: WARNING OUTRIGGER  
 Description: Warns that outrigger must be stowed and locked for transport.



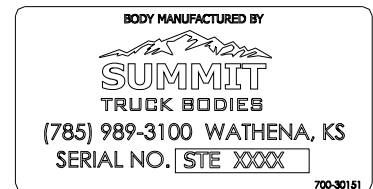
Decal Number: 700-30139  
Title: CAUTION STARTS--MATIC  
Description: Warns that equipment may start automatically. That components may be hot and to relieve pressure before servicing.



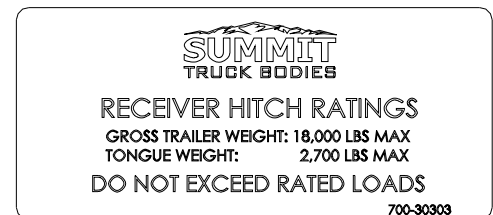
Decal Number: 700-30140  
Title: DRAIN AIR MANIFOLD  
Description: Drain air manifold and air tank daily.



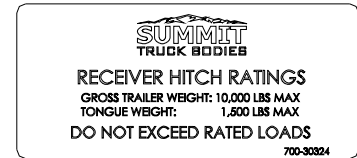
Decal Number: 700-30151  
Title: PLATE, BLACK BODY SERIAL NO.  
Description: Identifies body serial number and gives phone number for Summit Truck Bodies.



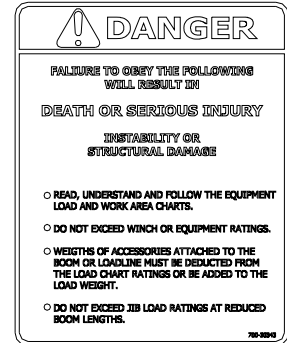
Decal Number: 700-30303  
Title: RATING PLATE, 18,000 LBS RECEIVER HITCH  
Description: Provides gross trailer and tongue weights.



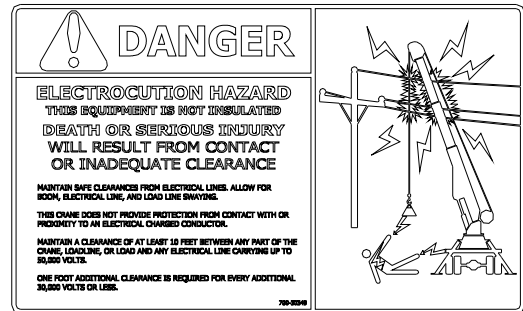
Decal Number: 700-30324  
 Title: RATING PLATE, 10,000 LBS RECEIVER HITCH  
 Description: Provides gross trailer and tongue weights.



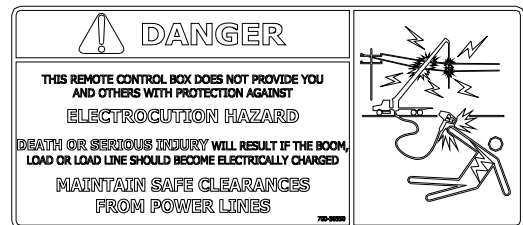
Decal Number: 700-30343  
 Title: DANGER, FAILURE TO OBEY THE FOLLOWING  
 Description: Instability or structural damage, do not exceed winch or equipment ratings.



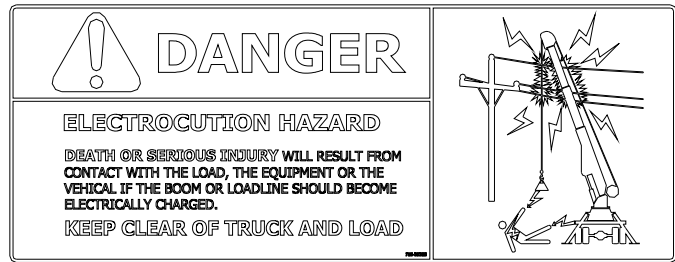
Decal Number: 700-30349  
 Title: DANGER, ELECTROCUTION HAZARD  
 Description: Explains that the boom is not insulated and provides minimum safe working distances.



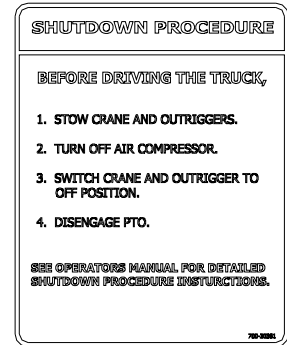
Decal Number: 700-30350  
 Title: DANGER, LARGE REMOTE CONTROL BOX ELECTROCUTION  
 Description: Explains that the control box is not insulated. Notifies to maintain safe clearances from power lines.



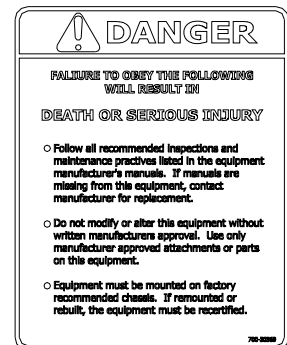
Decal Number: 700-30352  
 Title: DANGER, LARGE ELECTROCUTION HAZARD  
 Description: Death or Serious Injury will result if equipment become electrically charged.



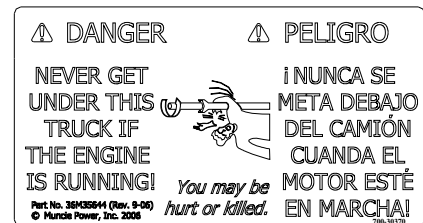
Decal Number: 700-30361  
 Title: SHUTDOWN PROCEDURE  
 Description: Explains what needs to be turned off before driving the truck.



Decal Number: 700-30369  
 Title: DANGER, FAILURE TO OBEY  
 Description: Follow all recommended inspections and maintenance practices. Do not modify or alter equipment.



Decal Number: 700-30370  
 Title: DANGER, NEVER GET UNDER TRUCK  
 Description: Never get under truck if truck is running.



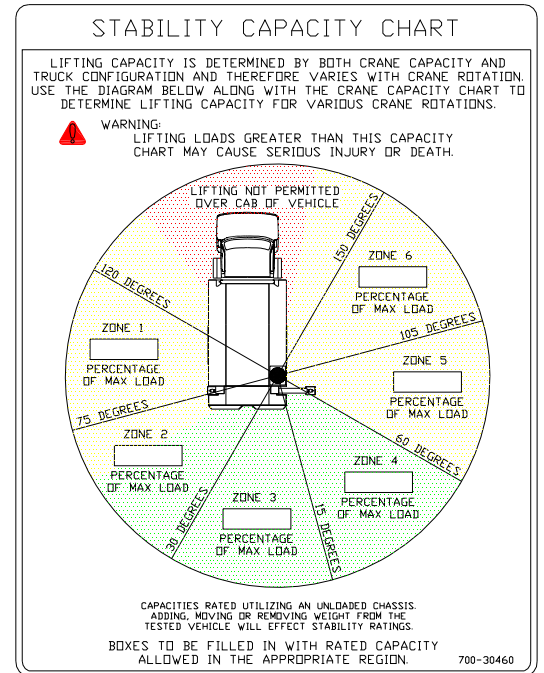
Decal Number: 700-30375  
 Title: WARRANTY/PARTS CONTACT INFO  
 Description: Phone numbers for warranty and parts for Summit Truck Bodies



Decal Number: 700-30459  
 Title: AIR TANK DRAIN DRAIN DAILY  
 Description: Notifies operator to drain air tanks daily.

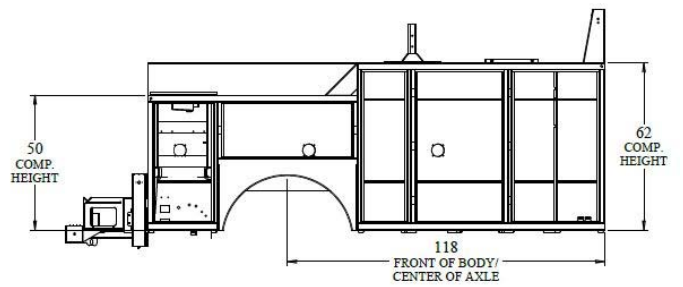
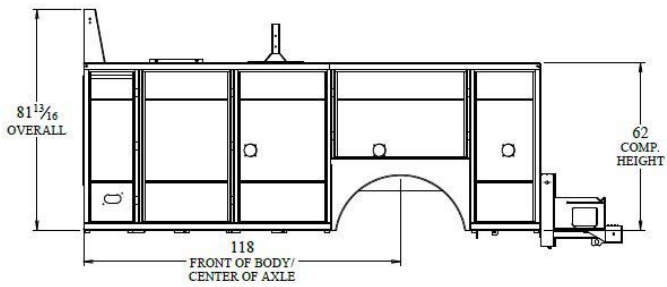
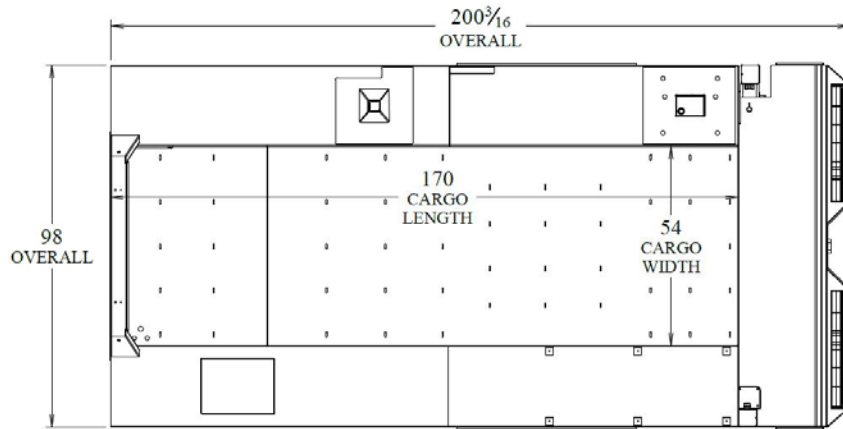
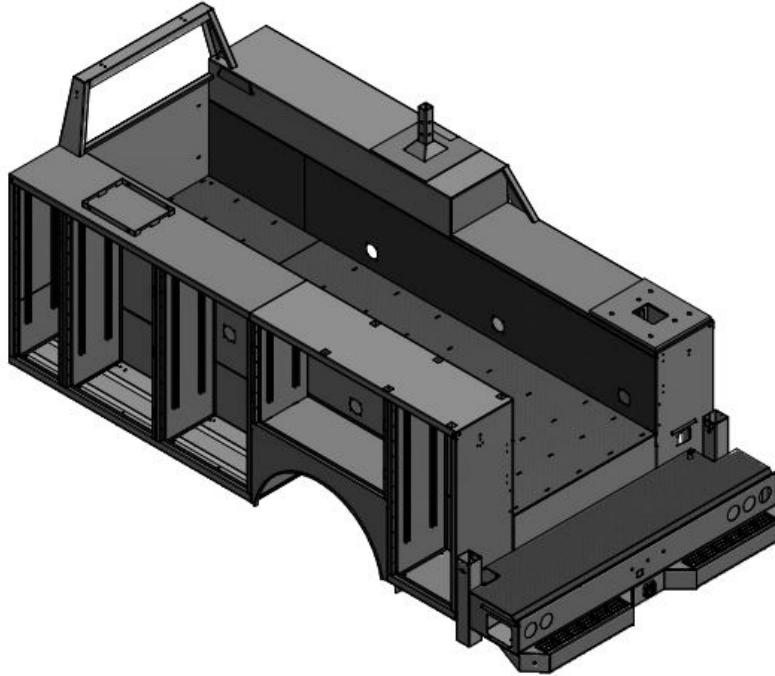


Decal Number: 700-30460  
 Title: STABILITY,CAPACITY,ZONE RATING  
 Description: Informs operator of percentage of load allowed in each zone.



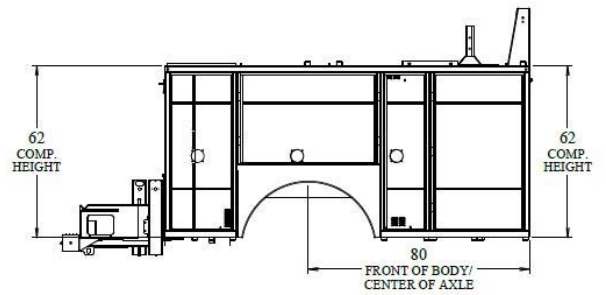
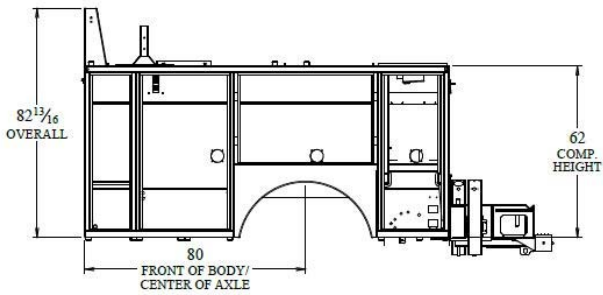
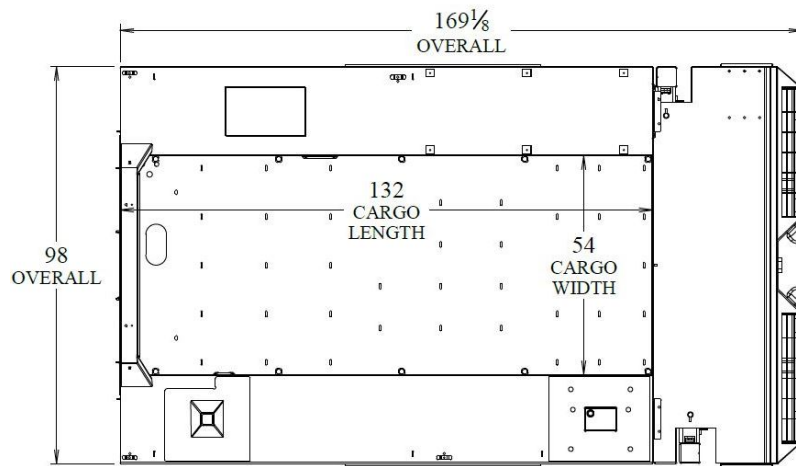
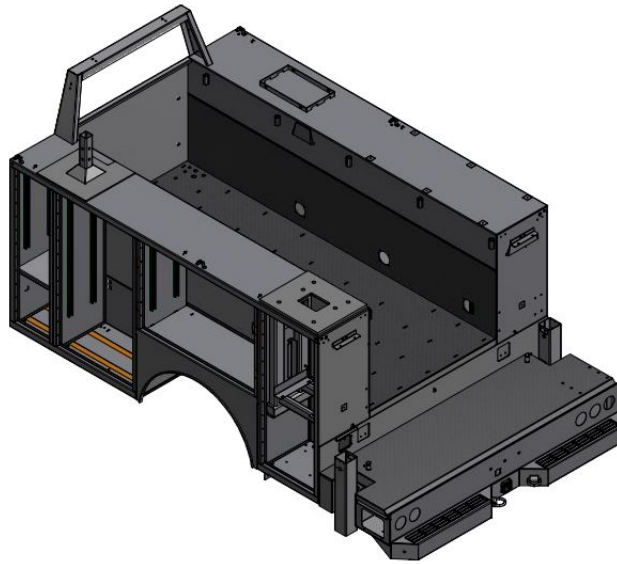
# 10 Series Body





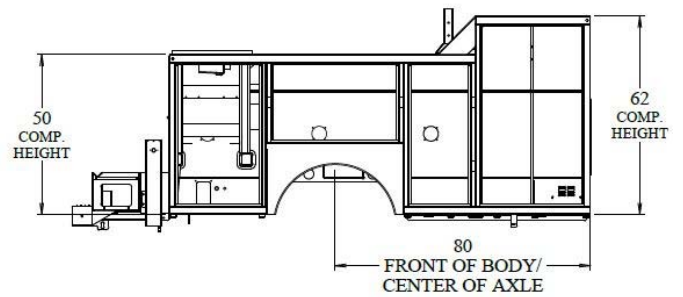
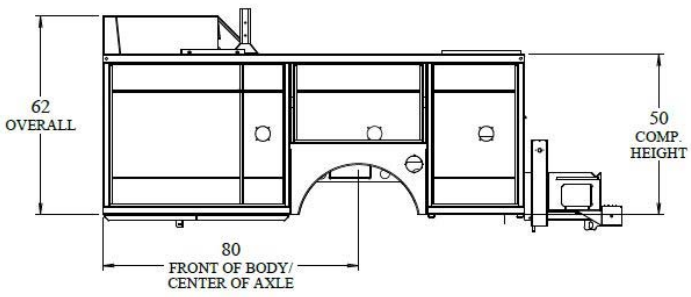
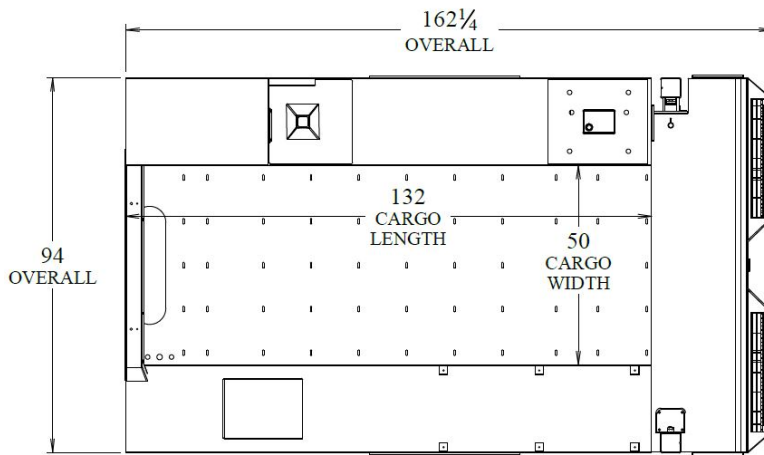
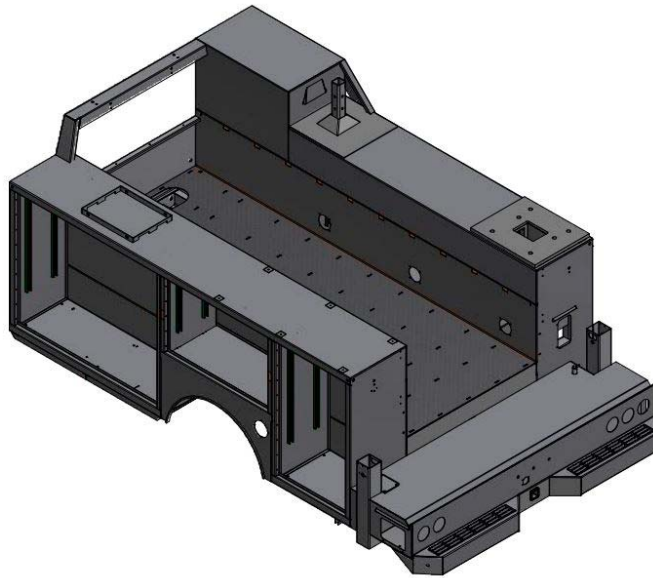
# 8 Series Body





# 7 Series Body





# Maintenance

**WARNING:** Read the Following before performing any maintenance on the vehicle. Only authorized service personnel are to perform maintenance on the service vehicle.

## GENERAL

A proper maintenance schedule, performed on a regular basis, is essential in keeping the vehicle operating safely at peak efficiency.

- A. Disengage the PTO before any service or repair is performed.
- B. Do not disconnect hydraulic hoses while there is still pressure in those components.
- C. Before disconnecting hydraulic components, place the boom on the ground or have it supported, shut off the engine, release any air pressure on the hydraulic reservoir, and move control levers repeatedly through their operating positions to relieve all pressures.
- D. Keep the crane and service body clean and free from grease build-up, oil and dirt to prevent slippery conditions.
- E. Perform all safety and maintenance checks before each period of use.
- F. Replace parts with Summit Truck Bodies approved parts only.
- G. Immediately repair or have repaired any components found to be inadequate.

## Maintenance Procedures

- A. Position the vehicle where it will be out of the way of other operations or vehicles in the area.
- B. Be sure boom is lowered to the ground or otherwise secured from dropping.
- C. Place all controls in the off position and secure operating features from inadvertent motion.
- D. Disconnect power source.
- E. Relieve hydraulic oil pressure from all hydraulic circuits before loosening or removing hydraulic components.
- F. Label or tag parts when disassembling.

## Service

The following general suggestions should be helpful in analyzing and servicing your vehicle. Using the following systematic approach should be helpful in finding and fixing problems:

- A. Determine the problem.
- B. List and record possible causes.
- C. Devise checks.
- D. Conduct checks in a logical order to determine the cause.
- E. Consider the remaining service life of components against the cost of parts and labor necessary to rebuild or replace them.
- F. Make the necessary repair.
- G. Recheck to ensure that nothing has been overlooked.
- H. Functionally test the new part in its system.

## LUBRICATION

The intervals for all lubrications are weekly. However, maintaining the proper lubrication schedule will vary with climatic conditions and the amount of usage the unit receives. Periods of heavy use would shorten service intervals. See lubrication points and recommended lubricants.

## HYDRAULIC FLUID SPECIFICATION

Minimum viscosity specifications for hydraulic oil to be used in the vehicle should be Conoco Super Hydraulic Oil 46 or equivalent to eliminate the necessity of seasonal oil changes under normal temperature conditions. For operations in extremely cold temperature, use a hydraulic fluid having a viscosity of 3000 SSU's at the lowest temperature encountered. Operating temperature of the hydraulic fluid should be within the range of 120° to 160° F (49° to 82° C).

**NOTE:** Subzero conditions present special requirements and considerations. Consult your oil supplier for the proper fluid for working under these severe conditions.

In addition to conforming to the viscosity requirements, hydraulic fluid used in the system should contain the following additives: Anti-foam, Anti-oxidant inhibitors Rust resistant, Anti-wear additives

Summit Truck Bodies recommends the first filter change to occur after the first 25 hours of service\*. The second, and every subsequent change, should occur after every 500 hours of service. By following these guidelines, the hydraulic oil should last up to 3,000 hours.

\***NOTE:** These recommendations are based on normal working parameters. If operating in less than favorable conditions (excessive dust, moisture, etc.), be sure to check the filter gauge often for filter change notice.

## HYDRAULIC OIL DETERIORATION

Hydraulic oil that becomes contaminated with solvents, water, dust or other abrasives will result in premature breakdown of the oil's anti-foam, lubrication, anti-rust and viscosity properties. Periodically, a sample of the hydraulic oil in the system should be taken and its condition checked for breakdown. To check oil quality:

- A. Place sample of oil in clean glass.
- B. Smell oil to see if a burnt or rancid odor can be detected.
- C. Examine the oil for an unusually dark or cloudy appearance.
- D. Allow the sample to stand undisturbed for several minutes and inspect it for water or impurities which will settle to the bottom.

If any of the above conditions are noticed, the system should be purged to the bottom and filled with new oil.

## **HYDRAULIC SYSTEM PURGING**

The oil should be changed after 3,000 hours of operation or every year, whichever occurs first.

The following is the procedure for purging the system:

- A. Locate the unit in an area which provides solid, level footing and space to allow the full operating range to the crane.
- B. Disengage the PTO, drain the hydraulic fluid reservoir, remove the wire mesh strainer from the bottom of the tank and drain all the hoses. Disconnect the pressure and suction hoses from the pump, drain and reassemble. Replace the wire mesh strainer and reassemble the system.
- C. Install the drain plug on the reservoir and fill with new fluid. Start the truck engine and engage the PTO.
- D. The system is now purged. Examine the reservoir fluid level and add fluid to the “FULL” mark.

## **PURGING AIR FROM THE SYSTEM**

If air is trapped in the cylinder, it will cause an erratic “bumpy” condition. To remove the air, hold the affected control open after the function has “bottomed out”. Move the function in the opposite direction and again hold the control open. Operate the crane in a normal manner to determine if the air has been purged. If not, repeat procedure.

**NOTE:** Do not purge the system for the winch circuit function.

## **SYSTEM RELIEF PRESSURE**

If you wish to ensure that the relief pressure setting is correct, there is a pressure gauge in the -4 O-ring near the front bottom side of valve manifold. The test can be performed by utilizing the extend cylinder. Fully retract either cylinder and hold in while observing pressure reading on gauge.

- A. Start the truck engine, engage the PTO and allow the system to idle until it reaches operating temperature.
- B. Extend the boom until the cylinder is fully extended. Continue to hold the valve open and read the pressure on a pressure gauge. A reading of less than normal should be corrected by increasing the pressure. If the pressure reading is too high or too low, it will be necessary to adjust the relief valve set screw.
- C. Adjustments are made by unlocking the jam nut and turning setscrew clockwise to increase pressure and counter clockwise to decrease pressure. Recommended pressure is 3000 PSI.

# INSPECTIONS

## Daily Inspection

Daily Inspection should occur each day before the vehicle is put into use. Each day, inspect the vehicle for all of the following:

- A. Hydraulic oil level.
- B. Loose parts or damage to structures or weld.
- C. Cylinder movement due to leakage.
- D. Hoses and gearboxes for evidence of oil leaks.
- E. Controls for malfunction or adjustment.
- F. All securing hardware such as cotter pins, snap rings, hairpins, and pin keepers
- G. All safety covers for proper installation.
- H. Cylinder holding valves for proper operation.
- I. Wire rope for broken wires, extensive wear, distortion, and heat damage.

## Periodic Inspection

Periodic Inspection should occur while the vehicle is in use. For the duration of the usage, inspect the vehicle for all of the following:

- A. Loose bolts and fasteners.
- B. All pins, bearings, shafts, and gears for wear, cracks, or distortion to include all pivots, outriggers, sheave pins, and bearings.
- C. Hydraulic systems for proper operating pressure.
- D. Main frame mount bolts.
- E. Hydraulic hose and tubing for evidence of damage such as blistering, crushing, or abrasion.
- F. The PTO driveline system for proper alignment, lubrication, and tightness. (Spline wear, etc. – Refer to PTO Manufacturers maintenance manual)
- G. Cylinders for:
  1. Damaged rods.
  2. Dented barrels.
  3. Drift from oil leaking internally.
  4. Leaks at rod seals or holding valves.

## Weekly Inspection

Weekly Inspection should occur at the beginning of every work week. Each week, inspect the vehicle for all of the following:

- A. Lubrication of critical components.
- B. Proper operation of load hook safety latch.
- C. Presence of this owner's manual.

**Monthly Inspection**

Monthly Inspection should occur at the beginning of every work month. Each month, inspect the vehicle for all of the following:

- A. Frame bolt tightness - turn barrel nuts and mounting bolts during the first month of operation on new machines and then quarterly thereafter.
- B. Cylinders and valves for leaks.
- C. Lubrication.
- D. Load hook for cracks or having more than 15 percent normal throat opening or 10 degrees twist.
- E. Structural members for bends, cracks, or broken members.
- F. All welds for breaks and cracks.
- G. All pins and keepers for proper installation.
- H. All control, safety, and capacity placards for readability and secure attachment.
- I. Inspect all electrical wires and connections for worn, cut, or deteriorated insulation and bare wire.
- J. Replace or repair wires as required.
- K. Tightness of all boom wear, pad-retaining bolts.

**LUBRICATION & MAINTENANCE SCHEDULE**

SERVICE PERFORMED	DAY	WEEKLY	3 MONTH	6 MONTH	YEAR	NOTES
Hydraulic Fluid	X					Check Fluid Level
Hydraulic Hoses	X					Visual inspection for leaks, cracks, wear
Load Hook	X					Inspect Hook & Latch for Deformation
Winch Cable	X					Check for Broken Strands, Flattening, Deformation
Cable Drum	X					Make sure cable is wound evenly on drum
Pin Retaining Bolts	X					Check bolts for Proper Torque
Rotation Ring Gear		X				Lube with Castrol Molub – Alloy, 936 SF Heavy Lubricant or Equivalent
Sheaves		X				Inspect for wear and bearing fatigue
Mounting Bolts		X				Check torque to 680 ft lbs
All other Bolts		X				Check and Tighten as required
Rotation Gear Box			X			Grease zerks with multipurpose grease
Hydraulic Fluid					X	Drain, Flush and Refill with ISO 46 Hydraulic Oil

**Caution: Routine maintenance insures trouble-free operation and protects your investment. All warranties are void if maintenance is neglected.**

Notes:

- 1. Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered under Warranty or Product Liability.
- 2. Once a bolt has been torqued to its rated capacity and then removed, the bolt should be replaced with a new one.

# Accessories



Summit Truck Bodies offers a variety of Drawer Systems for any size compartment. Summit Truck Bodies also offers Drawer Systems as stand alone units. Both are made of heavy duty 14 gauge galvanized material with roller slides rated to 500 lbs. per drawer. The faces of the drawers are powder coated to reduce. The drawers can be locked separately to limit access to certain drawers to certain individuals. For a lightweight option the truck mounted drawer systems can also be made from 1/8" aluminum.

Summit Truck Bodies also offers bolt-bin cabinets. They come in a variety of configurations with drawers being 6" W X 3" H. They are made out of sturdy 16 gauge material with 5 dividers per drawer. As with the Drawer Systems, the bolt-bins can be made from 1/8" aluminum.



Summit Truck Bodies is continuously improving designs to make more room for the customer's needs. Below is an example of how Summit Truck Bodies continues to provide better storage. In the first picture there is a standard shelf above the hose reel for simple storage. The second picture shows an optional drawer pack between the pedestal uprights to help store small objects. Summit Truck Bodies tries to incorporate all the necessary components to operate a vehicle into one compartment and allow the customer to utilize the other compartments.



Summit Truck Bodies can ship out any part you may need from large to small. We can ship parts using a variety of different carriers. Summit Truck Bodies doesn't have to mount our bodies, cranes and drawer packs. It is true that we would prefer to mount them since we are experienced in mounting our products but if you desire and you have the capabilities then we'd be glad to ship you individual parts all the way up to a completed ready to install body and crane.



Summit Truck Bodies can up fit any of our Service Trucks with a variety of options. The following pictures only represent a very few of those accessories.



Summit Truck Bodies offers many more accessories to up fit your vehicle. Please contact your Salesperson for any questions you may have. Remember just because you don't see it doesn't mean we can't make it.

Summit Truck Bodies, LLC  
990 Vernon Rd.  
Wathena, KS 66090  
Phone (866) 985-3100



## Summit Body Limited Warranty

11/19/2018

Subject to the exclusions and limitations below, Summit Truck Bodies, LLC (hereinafter "Summit") warrants each new service and lube body of Summit's manufacture ("Product") to be free from defects in material and workmanship, under normal use and service, for a period of five (5) or one (1) years after purchase of the Product. This Limited Warranty extends to the first purchaser of the Product and is not transferable. This Limited Warranty is purchaser's exclusive remedy, and applies to new Product only purchased in the United States which are accompanied by this written Limited Warranty and for which a completed warranty registration card has been received by Summit within 30 days after purchase of the Product. This Limited Warranty shall apply only to Products of Summit's manufacture. Parts are covered by a separate limited warranty.

- **FIVE(5) YEAR:**           **PAINT COVERAGE**  
                                  **SUMMIT MANUFACTURED BODY, CRANE & TANK**  
                                  **STRUCTURE**
- **ONE (1) YEAR:**       **A.S.E. & ELECTRICAL**  
                                  **HYDRAULICS**  
                                  **PROTECTIVE COATINGS**  
                                  **PARTS**
- **NINETY(90) DAYS:**   **REPLACEMENT PARTS PURCHASED NEW FROM SUMMIT**

### Warranty Terms

During the Limited Warranty period specified above, any defect in material and workmanship on any Product not excluded below, shall be repaired or replaced at Summit's option by a Summit authorized representative or approved repair facility. Summit will pay for replacement parts and such approved repair facilities labor in accordance with Summit's labor reimbursement policy, outlined below. Summit reserves the right to supply remanufactured replacement parts as it deems appropriate. Summit reserves the right, in lieu of the repair and replacement obligations set forth in this Limited Warranty, to refund the purchase price for the Product. Such right shall be exercised in Summit's sole discretion. If Summit elects to refund the purchase price, purchaser agrees to deliver to Summit the Product prior to receipt of such refund.

### Retail Purchaser Responsibility

This Limited Warranty requires both required and recommended maintenance and repair. Periodic inspections of the Product (including cranes and accessories) indicated in the Operator's Manual furnished with each Product or otherwise specified by Summit in writing must also be recorded. The cost of required recommended maintenance and repair and obtain periodic inspections is solely the purchaser's responsibility. Purchaser must to keep documented evidence that these services were performed and have it providable. The Summit Truck Bodies, LLC Limited Warranty may be subject to cancellation if the above requirements are not performed.

### Exclusions and Limitations

The warranties contained herein shall **NOT APPLY TO:**

- 1)** Any defect in the Product which was caused (in Summit's sole judgment) by other than normal use and service of the body or accessory or by any of the following:
  - Accidents including but not limited to collision
  - Improper operation, abnormal usage, misuse or negligence
  - Overloading

- Failure to provide routine maintenance and repair services and failure to provide any other reasonable and proper maintenance and repair
  - Improper repair or installation
  - Unsuitable storage
  - Repairs, alterations or modifications including the installation of accessories, not made or installed by Summit or authorized representative or approved repair facility
  - Accidents, acts of God, and any other acts which are not the fault of Summit
  - Vandalism
- 2) Any Product including bodies or accessories) whose identification numbers or marks have been altered or removed.
  - 3) Any component of the Product (including bodies or accessory) which any of the required or recommended periodic inspection or services have been performed using parts not manufactured or supplied by Summit meeting Summit specification or installed as specified by Summit.
  - 4) Products (including bodies or accessories) for which purchaser has failed to deliver the warranty registration card to Summit within thirty (30) days from the date of delivery of the Product.
  - 5) Any defect which was caused (in Summit's sole judgment) by operation of the body or accessory, not abiding by standard operating procedures outlined in the Operator's Manual.
  - 6) Transportation costs, if any, of transporting the Product or any component to an approved repair facility.
  - 7) Diagnostic and overtime premiums.
  - 8) Depreciation caused by normal wear, lack of reasonable maintenance, failure to follow operating instructions, misuse, or lack of proper protection during storage.
  - 9) Any installation of a Product on chassis other than original factory installation.
  - 10) Summit shall not be liable to any person under any circumstances for any incidental or consequential damages (including but not limited to loss of profits and out of service time) occurring for any reason at any time.
  - 11) Accessory systems and electronics not of Summit's manufacture are warranted only to the extent of such manufacturer's respective Limited Warranty, if any.
  - 12) In no event shall Summit's liability exceed the original purchase price of the product.

### **Parts Warranty**

Parts replaced in the warranty period will be subject to the balance of this Limited Warranty, but replacement will not in any way extend this Limited warranty. Replacement parts after the original warranty period are warranted to be free from defects in material for ninety (90) days or the part will be repaired or replaced without labor coverage for removal or installation.

### **Non Summit Components**

Items not of Summit manufacture including but not limited to the chassis, crane, welder, hydraulic and PTO component, tool drawer packages, and electronic components (which are the responsibility of the components manufacturer). Summit will act reasonably to facilitate the repair or replacement of such parts by such component's manufacturer. Costs incurred by Summit for repair or replacement parts or items not of Summit manufacture will be invoiced to purchaser. To be considered warranty, the failed part must be returned, at the discretion of Summit, to Summit or the manufacturer of the part within thirty (30) calendar days. The part will be evaluated and if warranty is approved by the manufacturer, credit will be issued to the customer in the form of a credit to a Summit account, if one exists, or credit back to a charge card or check to the customer.

### **Summit Labor Reimbursement Policy**

Summit will, in its sole discretion consider labor reimbursement during the defined warranty period provided that the repair is pre-approved. Contact the Service Department for details.

### **Shipping Costs**

Summit will pay for shipping of warranty parts by ground carrier. Expedited freight delivery is available at the expense of the owner. Shipping for the return of parts for warranty consideration

will be at the owner's expense but will be reimbursed if the parts in question are deemed defective by Summit or by the manufacturer of the part and a legible copy of the invoice is provided.

#### **Limitation of Warranties**

Except for the warranties expressly and specifically made herein, Summit makes no other warranties, and any possible liability of Summit hereafter is in lieu of all other warranties, expressed, implied, or statutory including but not limited to any warranties of merchantability or fitness for particular purpose. Summit reserves the right to modify, alter, and improve any Product previously sold without incurring any obligation to replace any product previously sold without such modification. No person is authorized to give any other warranty or assume any additional obligation on Summit's behalf.

The repair, replacement, or refund as provided under the Limited Warranty is purchaser's exclusive remedy, and is provided in lieu of all other warranties, expressed or implied, in no event shall Summit be liable, whether in contract or tort (including negligence) for damages in excess of the purchase price of the product, accessory or software, or any indirect incidental, special or consequential damages of any kind, or loss of revenue or profits, loss of business, loss of information or data, software or applications or other financial loss arising out of or in connection with the ability or inability to use the products, to the full extent these damages may be disclaimed by law.

#### **Disputes Under This Limited Warranty**

Any and all disputes and claims of any kind and nature whatsoever arising under this Limited Warranty shall be handled as provided in any agreement of purchase and sale for the Product. If such agreement does not include an express provision relating to the handling of disputes and claims, then the following terms shall apply to this Limited Warranty: This Limited Warranty shall be deemed to have been made in the State of Colorado (without regard to the conflict of law principles of the State), including all matters of construction, validity and performance regardless of the location of the Product. You expressly waive any and all right to jury trial regarding any dispute hereunder. You hereby irrevocably submit to the exclusive jurisdiction and venue of courts sitting in Adams County, Colorado. You hereby irrevocably waive, and hereby agree not to assert by way or motion, defense, or otherwise, any claim that you are not subject personally to the jurisdiction of such courts, that the Product or any other property of yours is exempt or immune from attachment or execution, that any action brought under this Limited Warranty is brought in an inconvenient forum, that the venue of the action is improper or that this Limited Warranty cannot be enforced by any such courts.

**SUMMIT TRUCK BODIES IS UNDER NO OBLIGATION TO EXTEND THIS WARRANTY TO ANY CUSTOMER FOR WHICH AN SUMMIT CRANE WARRANTY FORM HAS NOT BEEN COMPLETED AND ON FILE WITH SUMMIT EQUIPMENT AND ACCESSORIES NOT OF SUMMIT'S MANUFACTURE ARE WARRANTED ONLY TO THE EXTENT OF THE ORIGINAL MANUFACTURER'S WARRANTY AND ARE SUBJECT TO THEIR ALLOWANCE TO SUMMIT ONLY IF FOUND TO BE DEFECTIVE BY SUCH MANUFACTURER.**