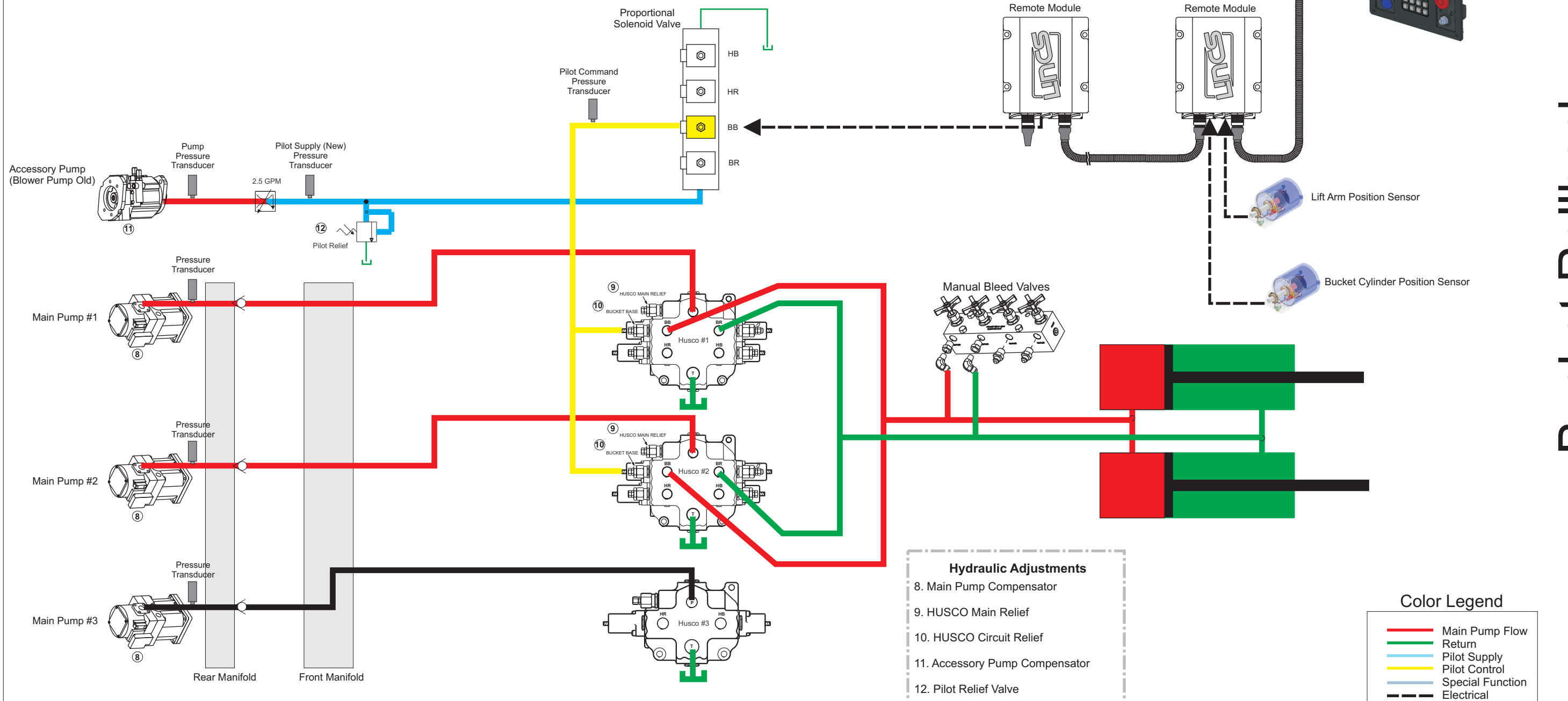
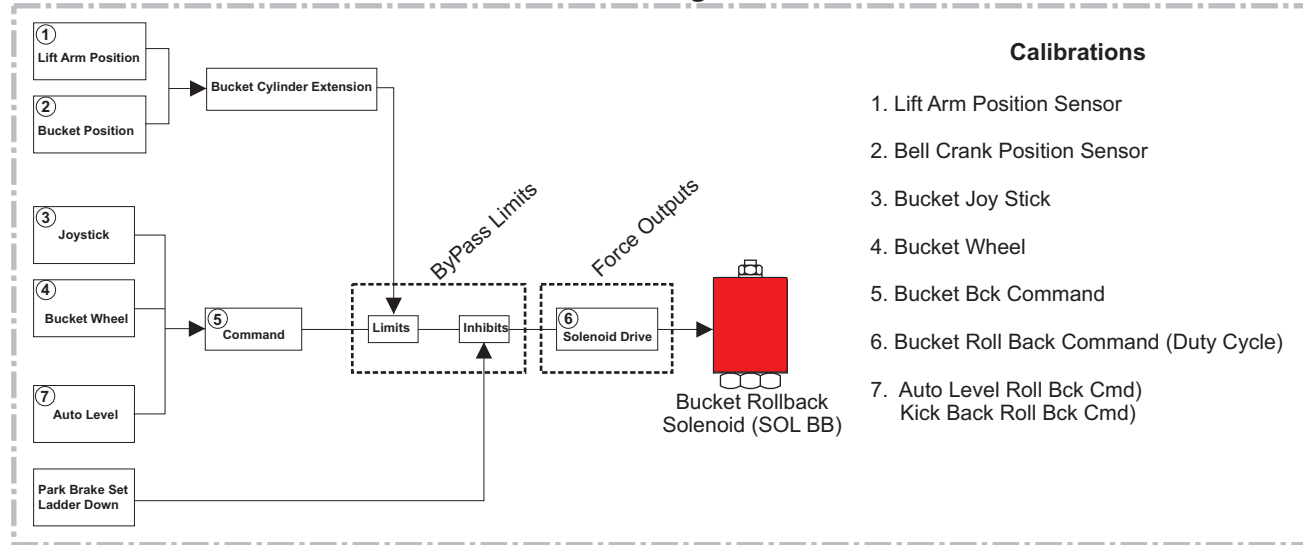
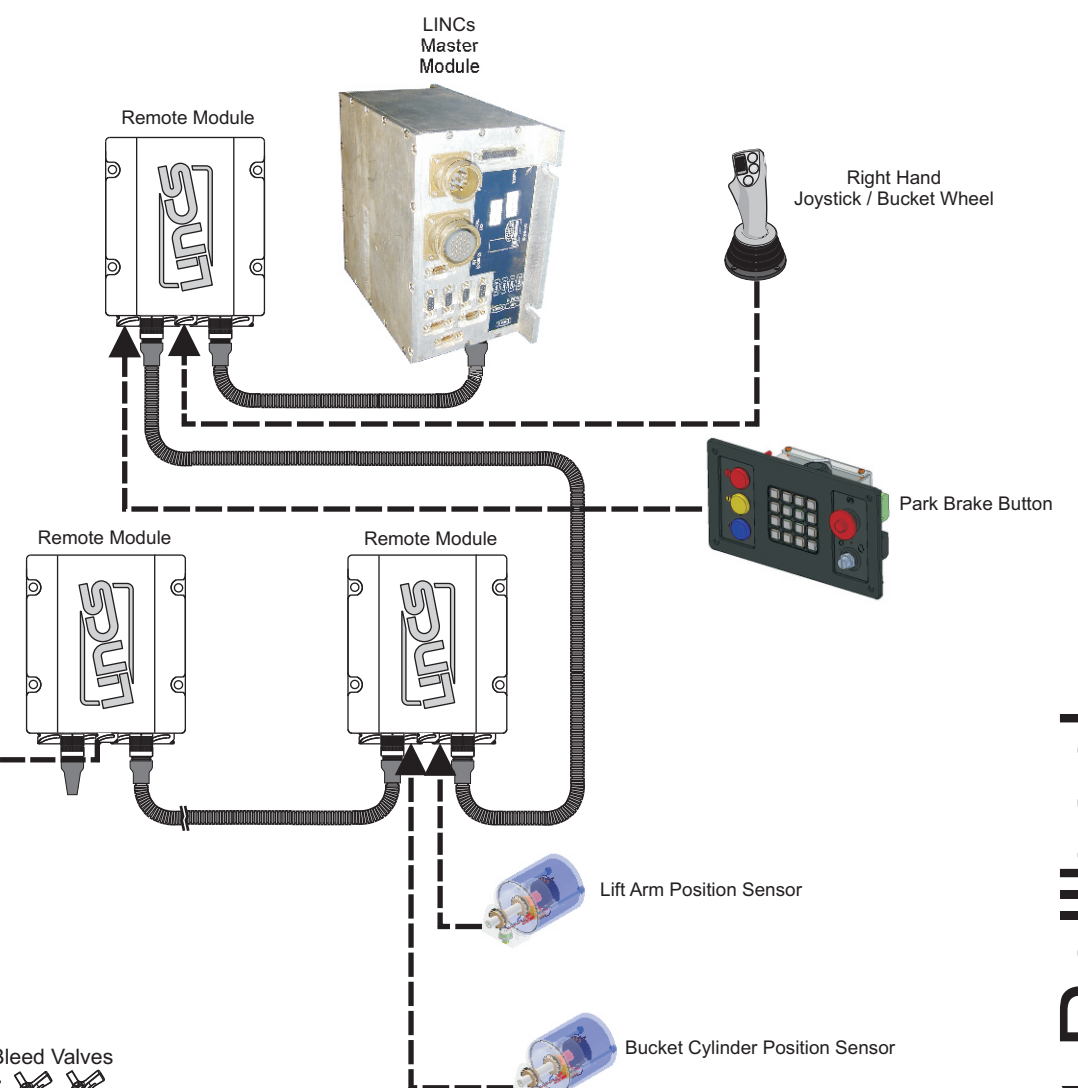


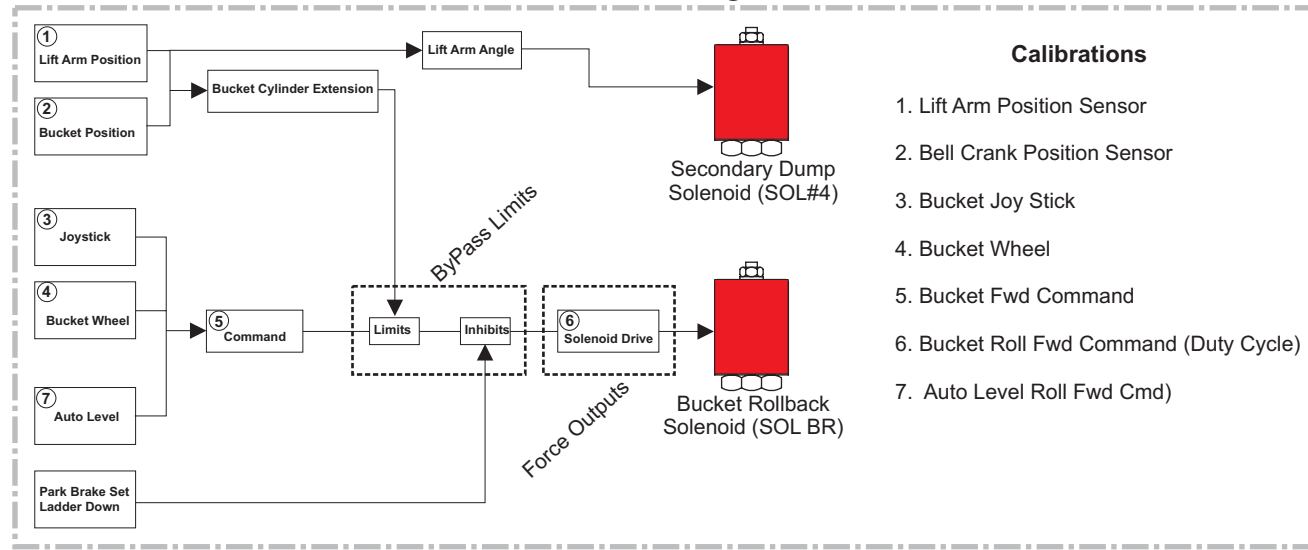
LINCS Logic



Bucket Rollback

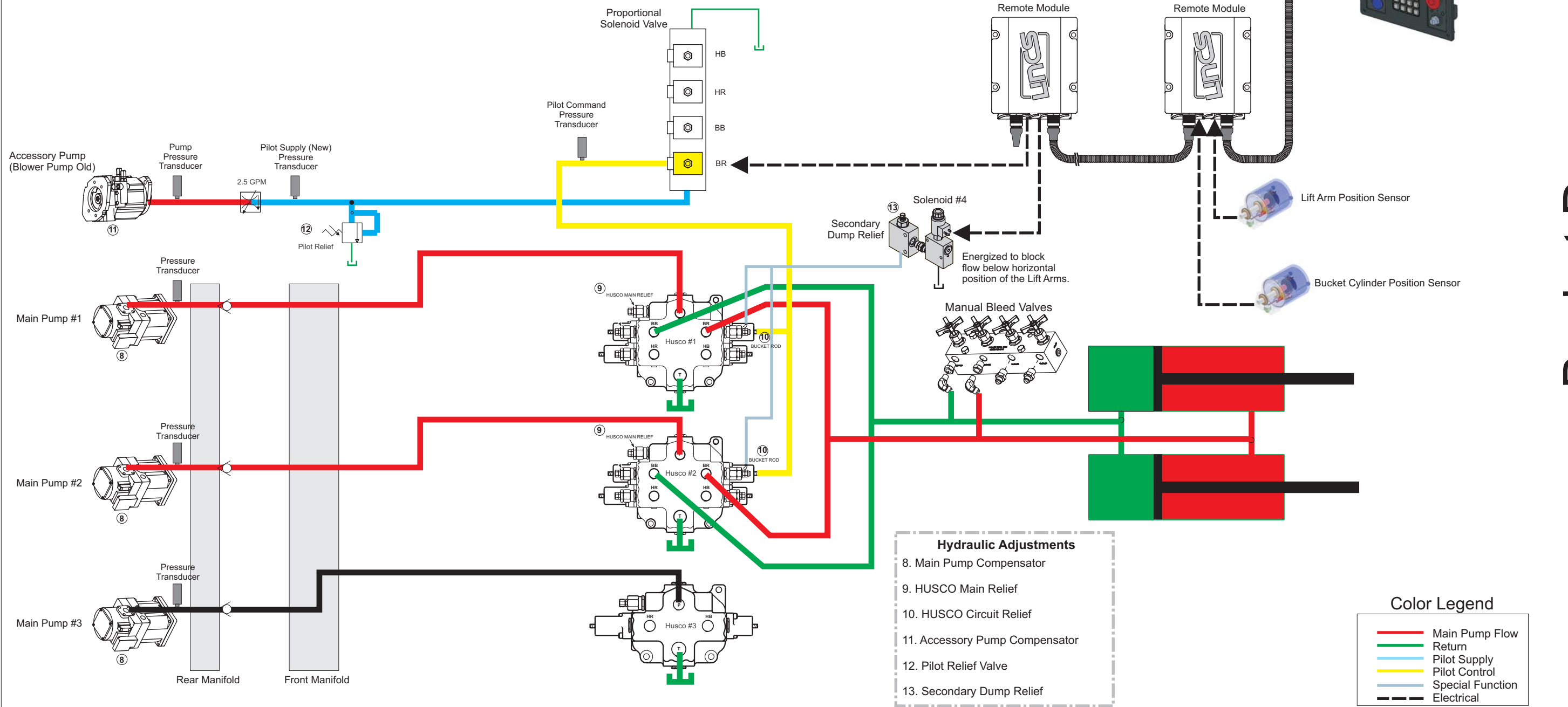


LINCS Logic



Calibrations

1. Lift Arm Position Sensor
2. Bell Crank Position Sensor
3. Bucket Joy Stick
4. Bucket Wheel
5. Bucket Fwd Command
6. Bucket Roll Fwd Command (Duty Cycle)
7. Auto Level Roll Fwd Cmd)



Hydraulic Adjustments

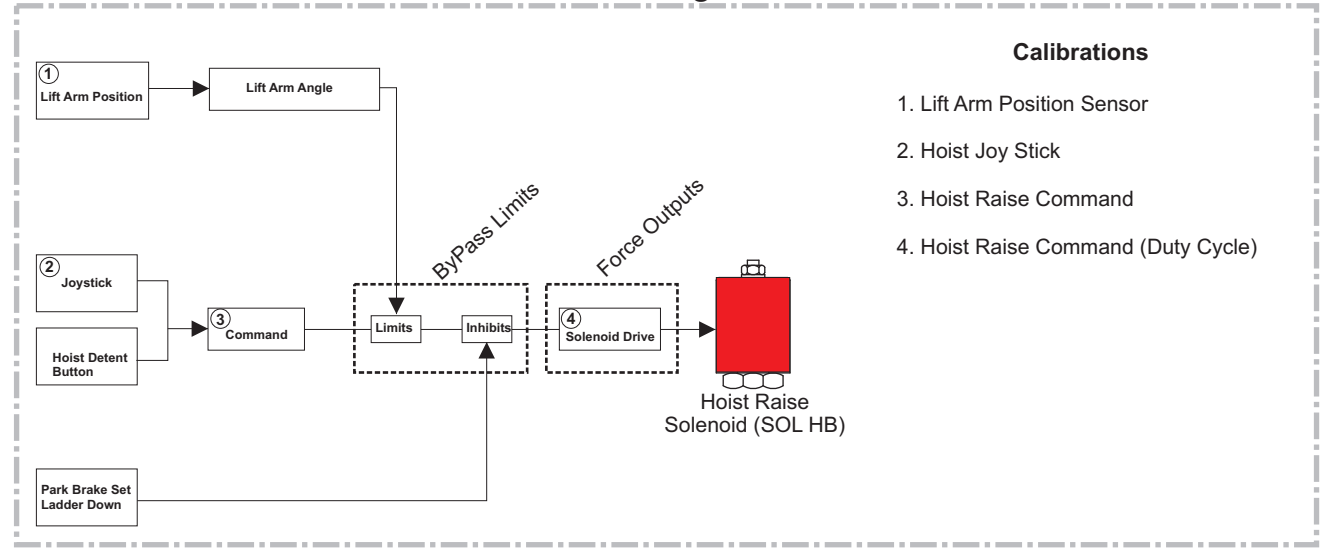
8. Main Pump Compensator
9. HUSCO Main Relief
10. HUSCO Circuit Relief
11. Accessory Pump Compensator
12. Pilot Relief Valve
13. Secondary Dump Relief

Color Legend

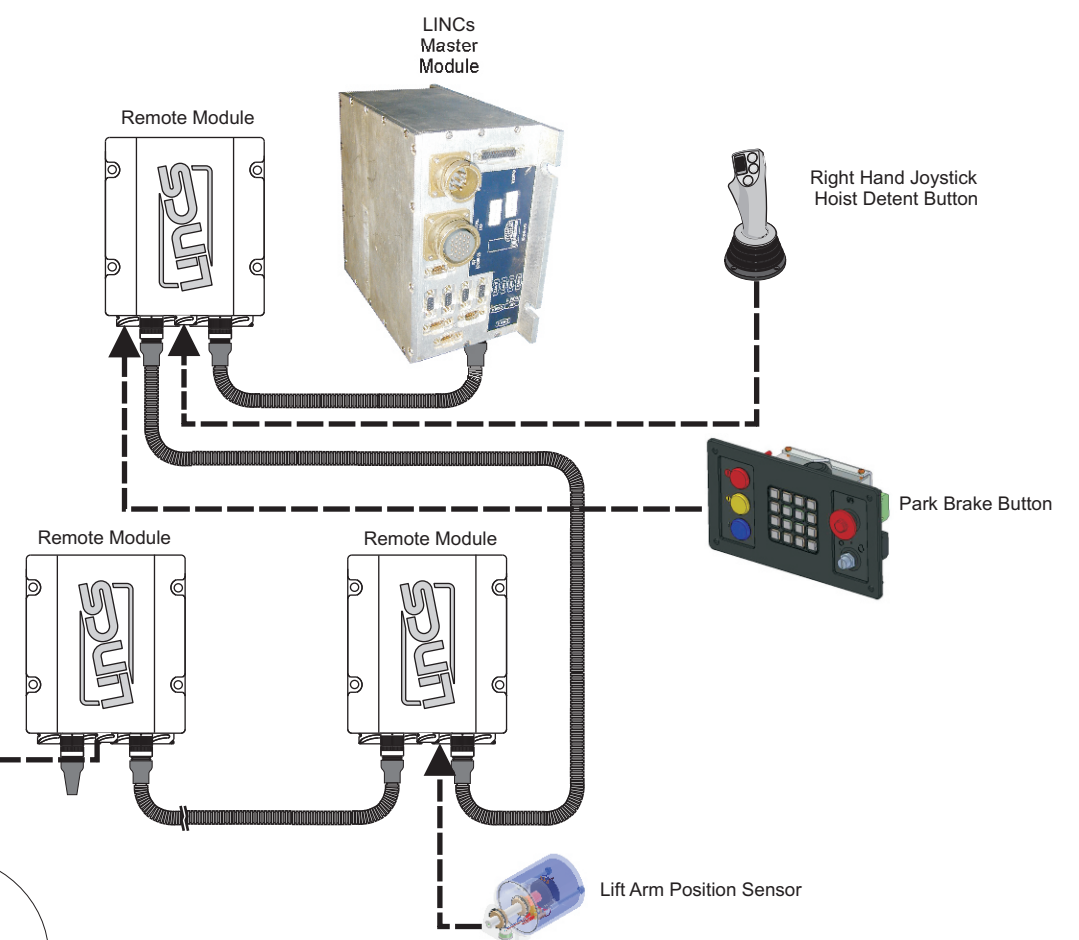
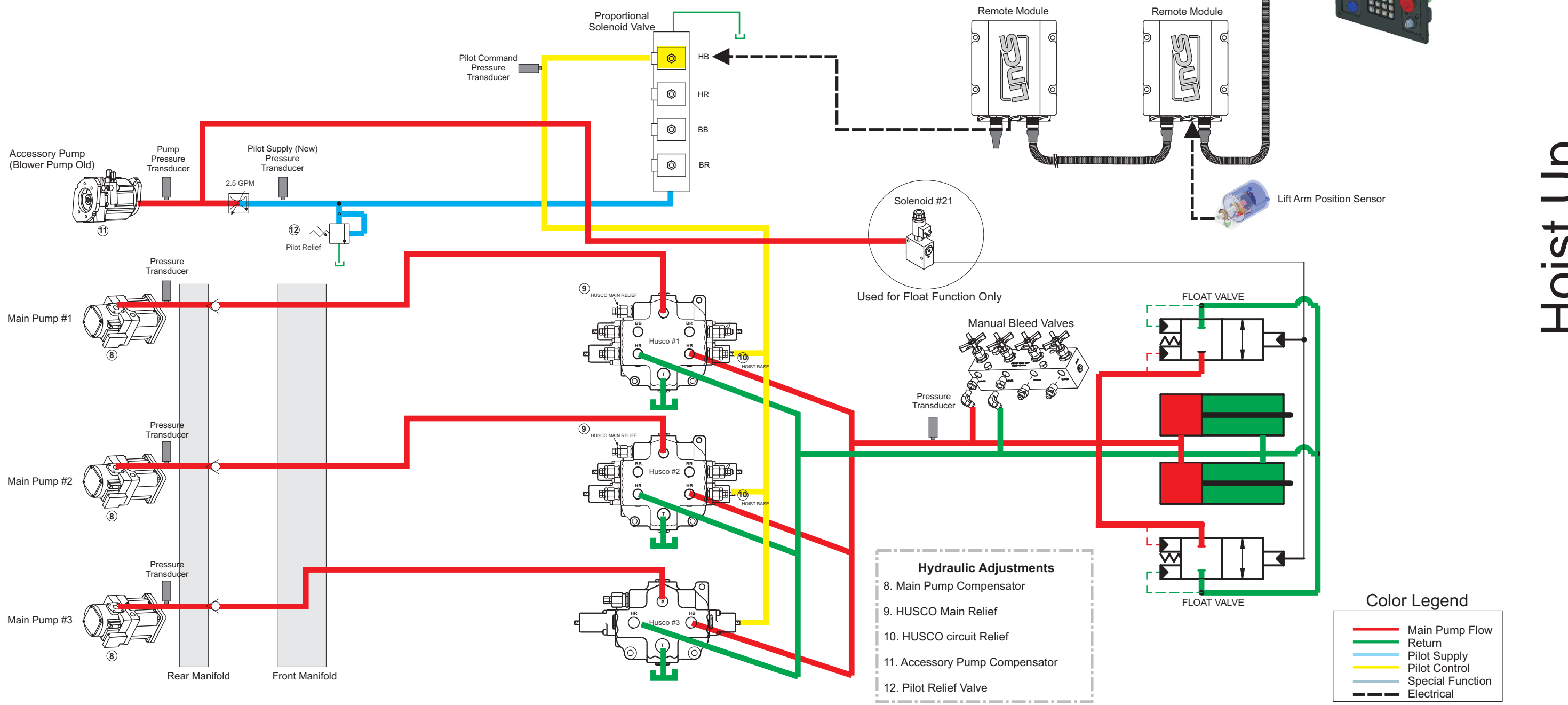
—	Main Pump Flow
—	Return
—	Pilot Supply
—	Pilot Control
—	Special Function
- - -	Electrical

Bucket Dump

LINCS Logic

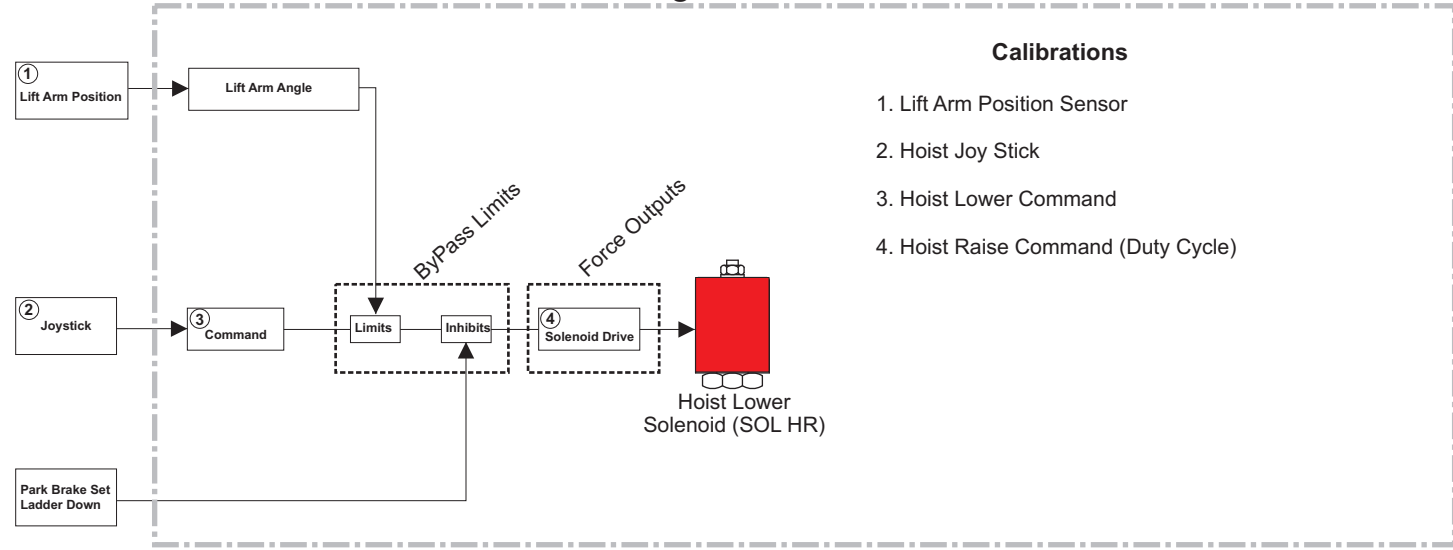


- Calibrations**
1. Lift Arm Position Sensor
 2. Hoist Joy Stick
 3. Hoist Raise Command
 4. Hoist Raise Command (Duty Cycle)



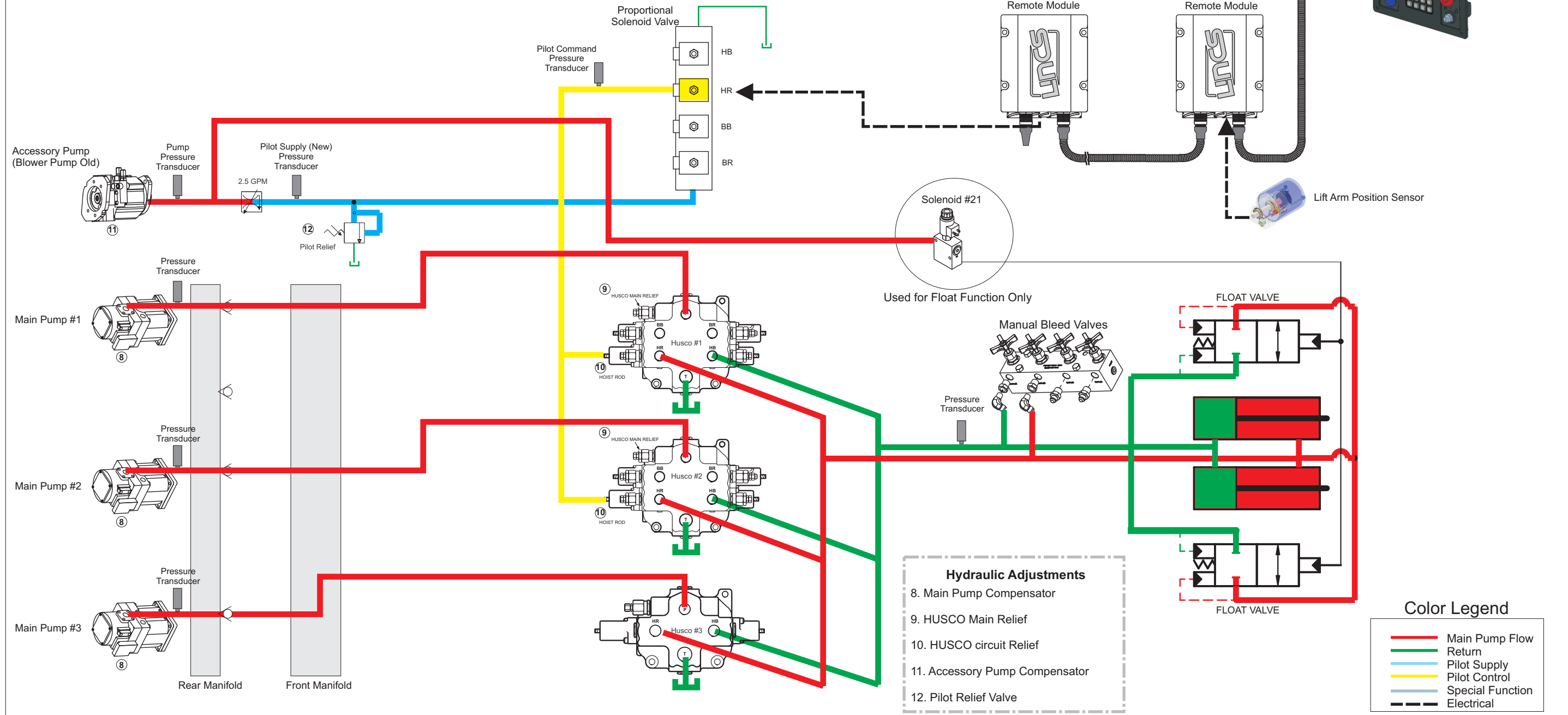
Hoist Up

LINCS Logic



Calibrations

1. Lift Arm Position Sensor
2. Hoist Joy Stick
3. Hoist Lower Command
4. Hoist Raise Command (Duty Cycle)



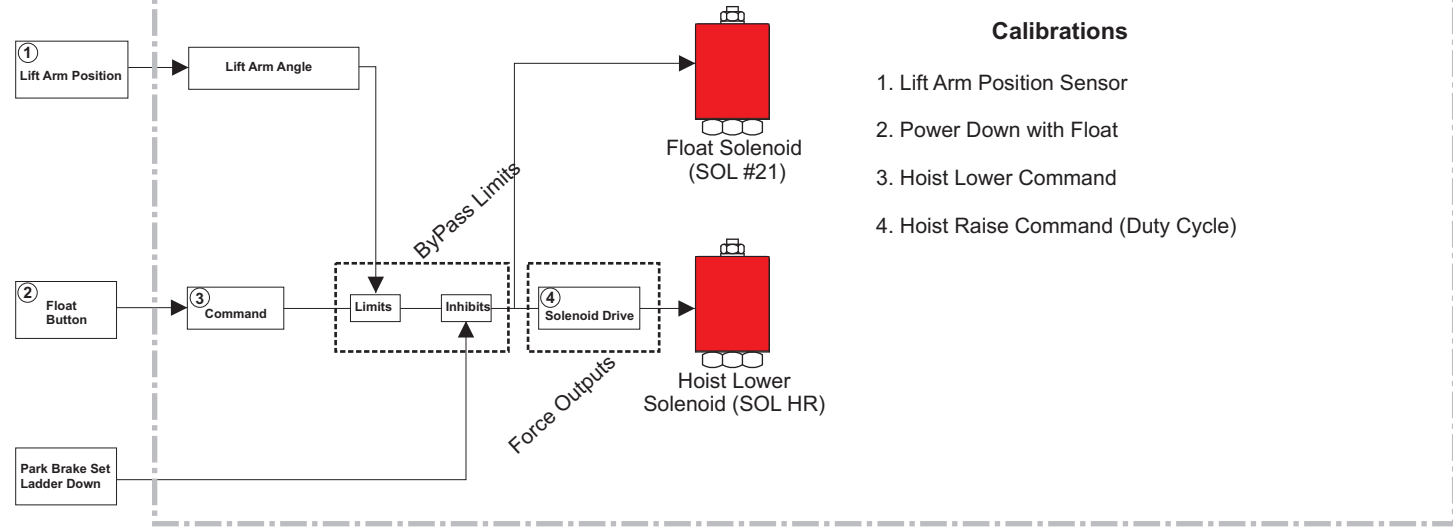
- ### Hydraulic Adjustments
8. Main Pump Compensator
 9. HUSCO Main Relief
 10. HUSCO circuit Relief
 11. Accessory Pump Compensator
 12. Pilot Relief Valve

Color Legend

—	Main Pump Flow
—	Return
—	Pilot Supply
—	Pilot Control
—	Special Function
- - -	Electrical

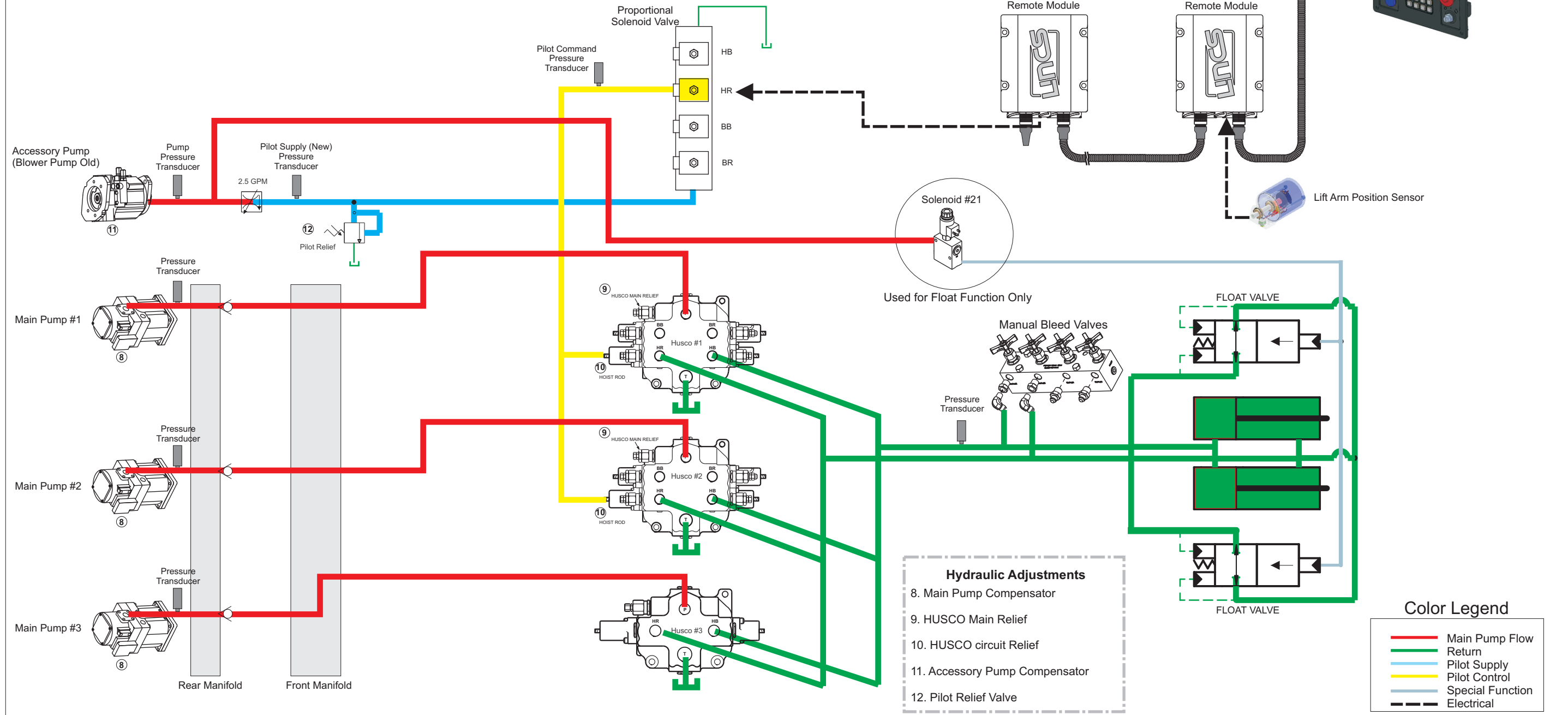
Power Down

LINCS Logic



Calibrations

1. Lift Arm Position Sensor
2. Power Down with Float
3. Hoist Lower Command
4. Hoist Raise Command (Duty Cycle)



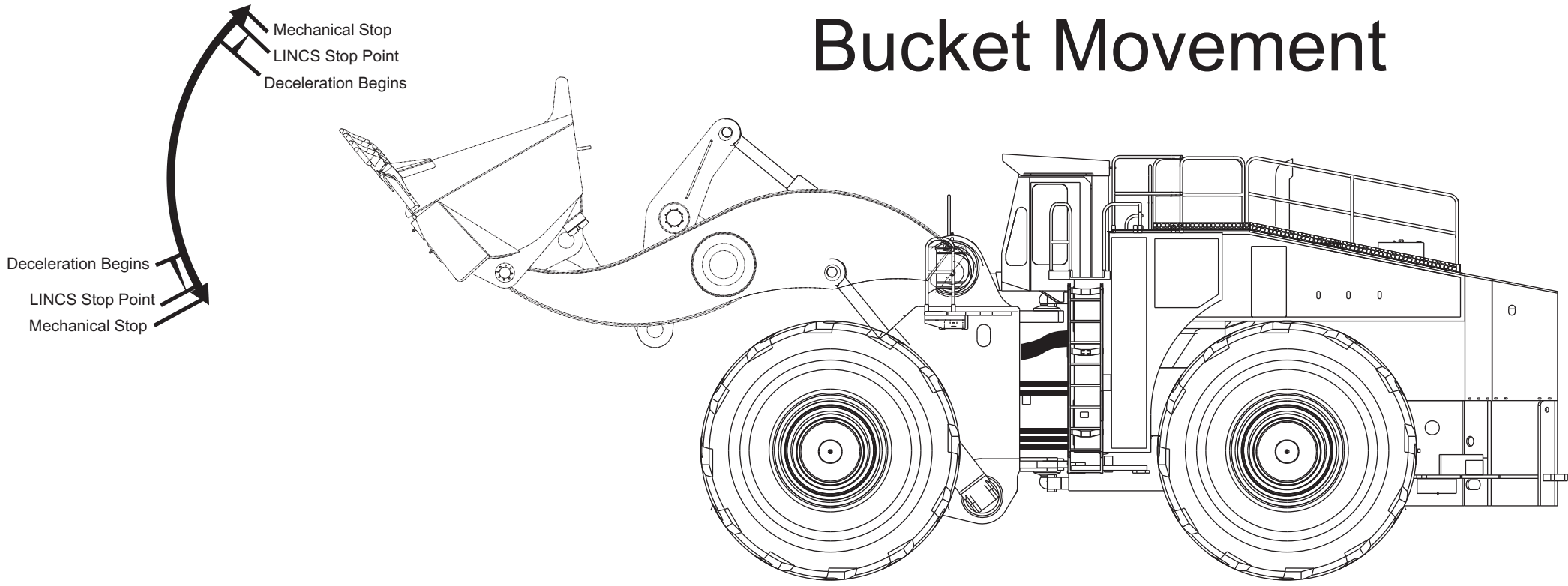
- ### Hydraulic Adjustments
8. Main Pump Compensator
 9. HUSCO Main Relief
 10. HUSCO circuit Relief
 11. Accessory Pump Compensator
 12. Pilot Relief Valve

Color Legend

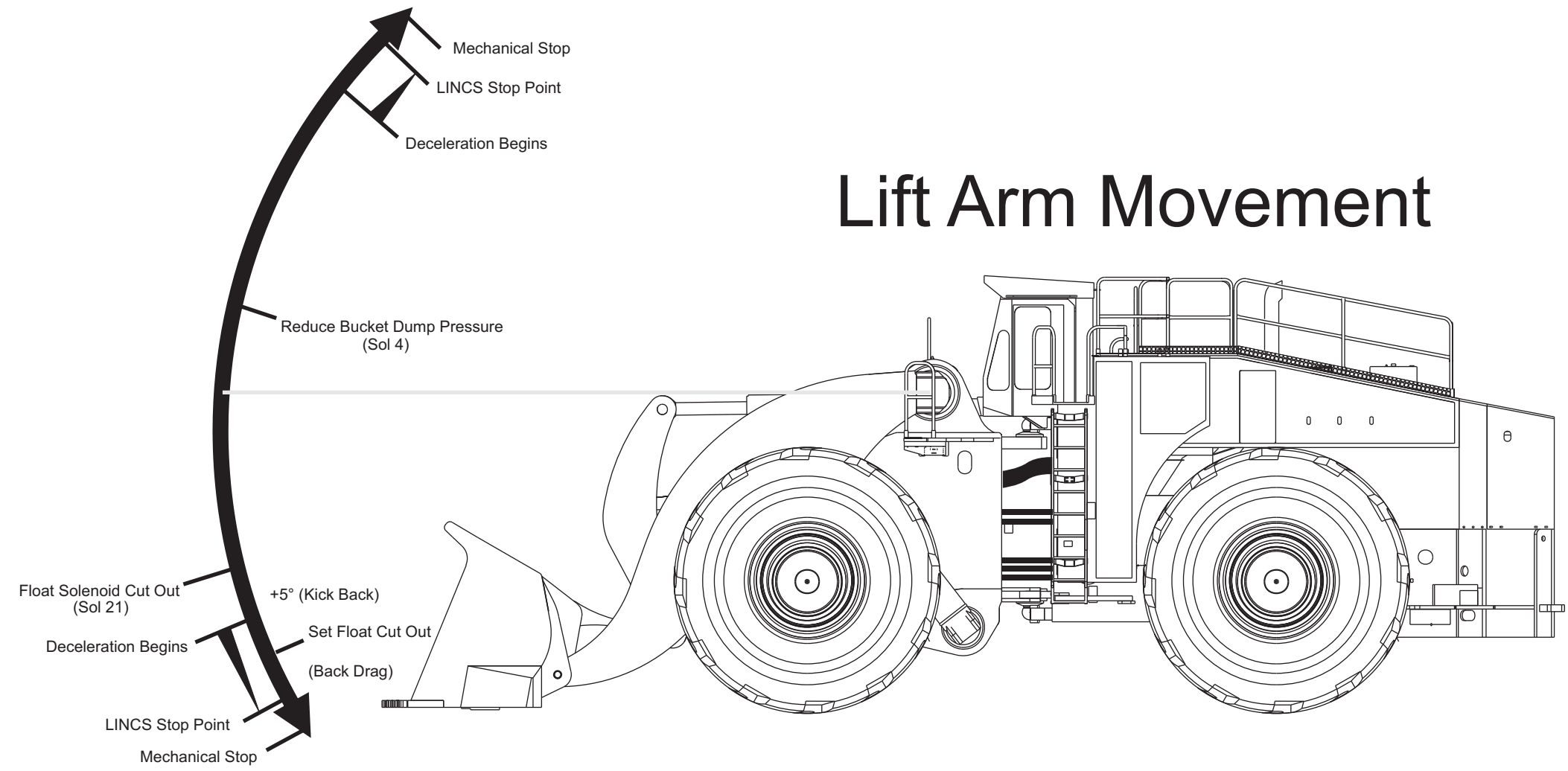
—	Main Pump Flow
—	Return
—	Pilot Supply
—	Pilot Control
—	Special Function
- - -	Electrical

Float

Bucket Movement

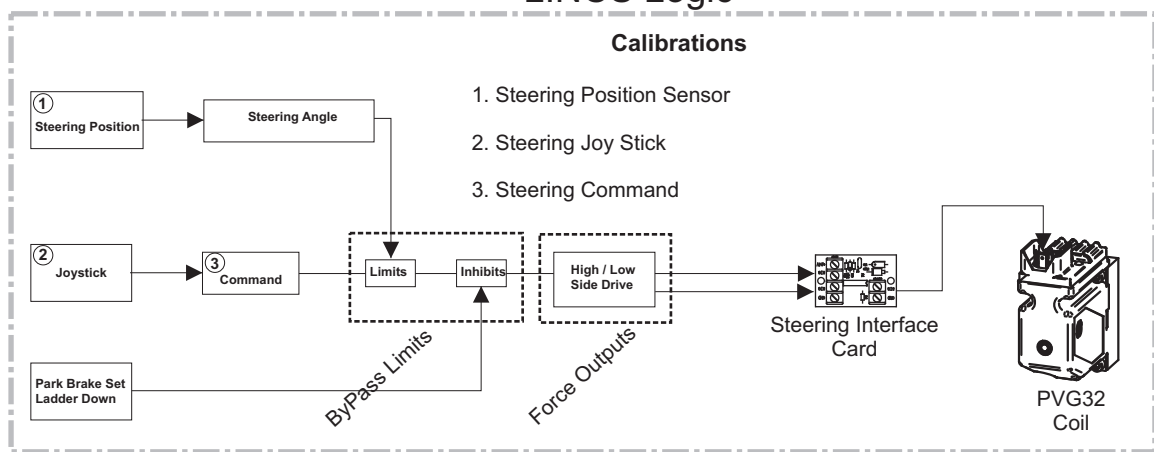


Lift Arm Movement

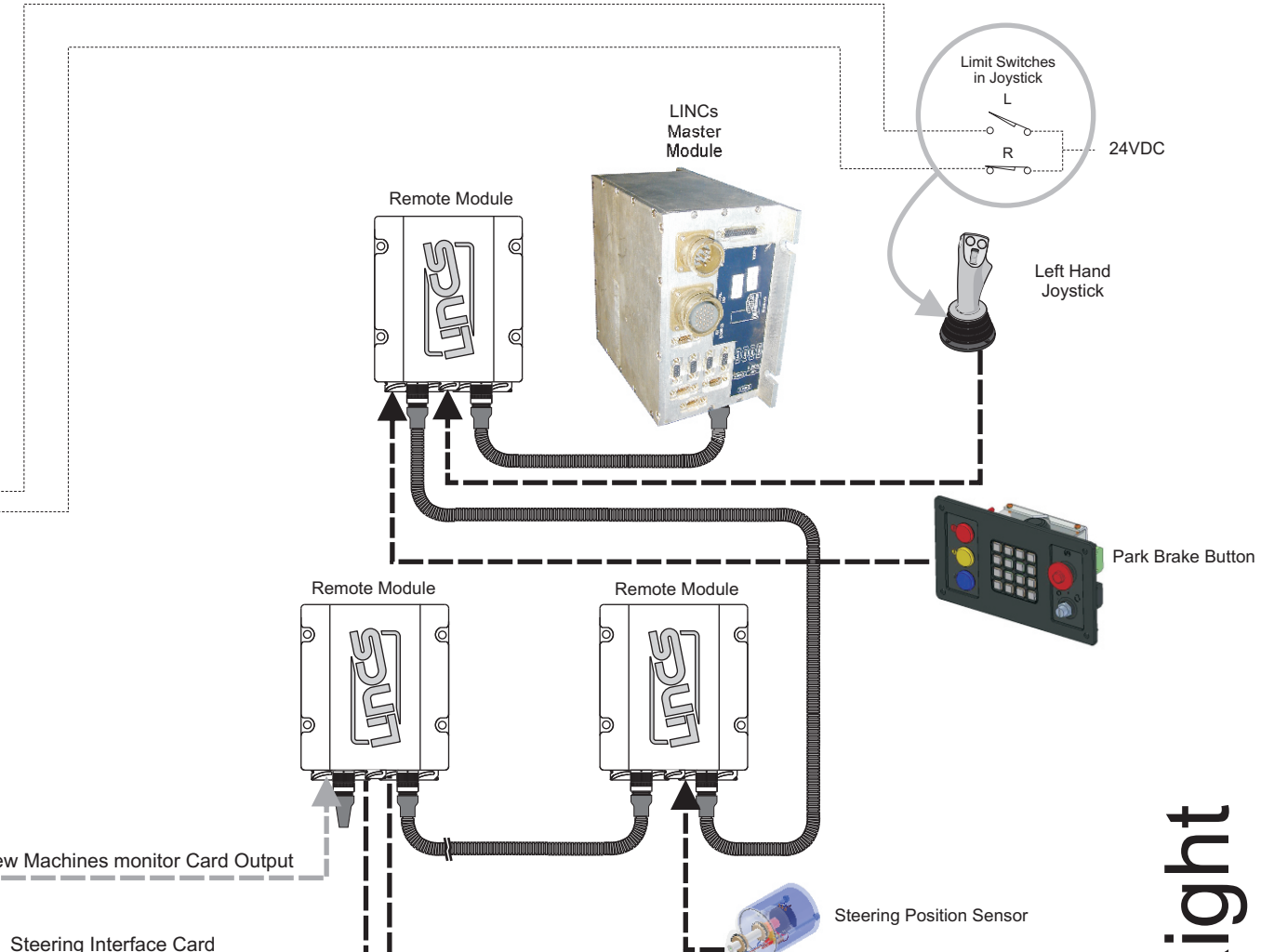
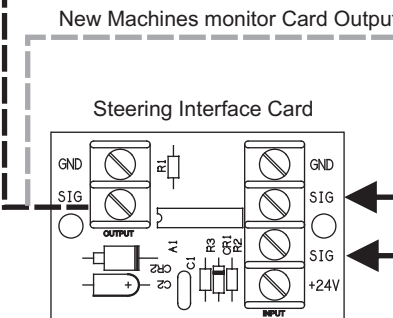
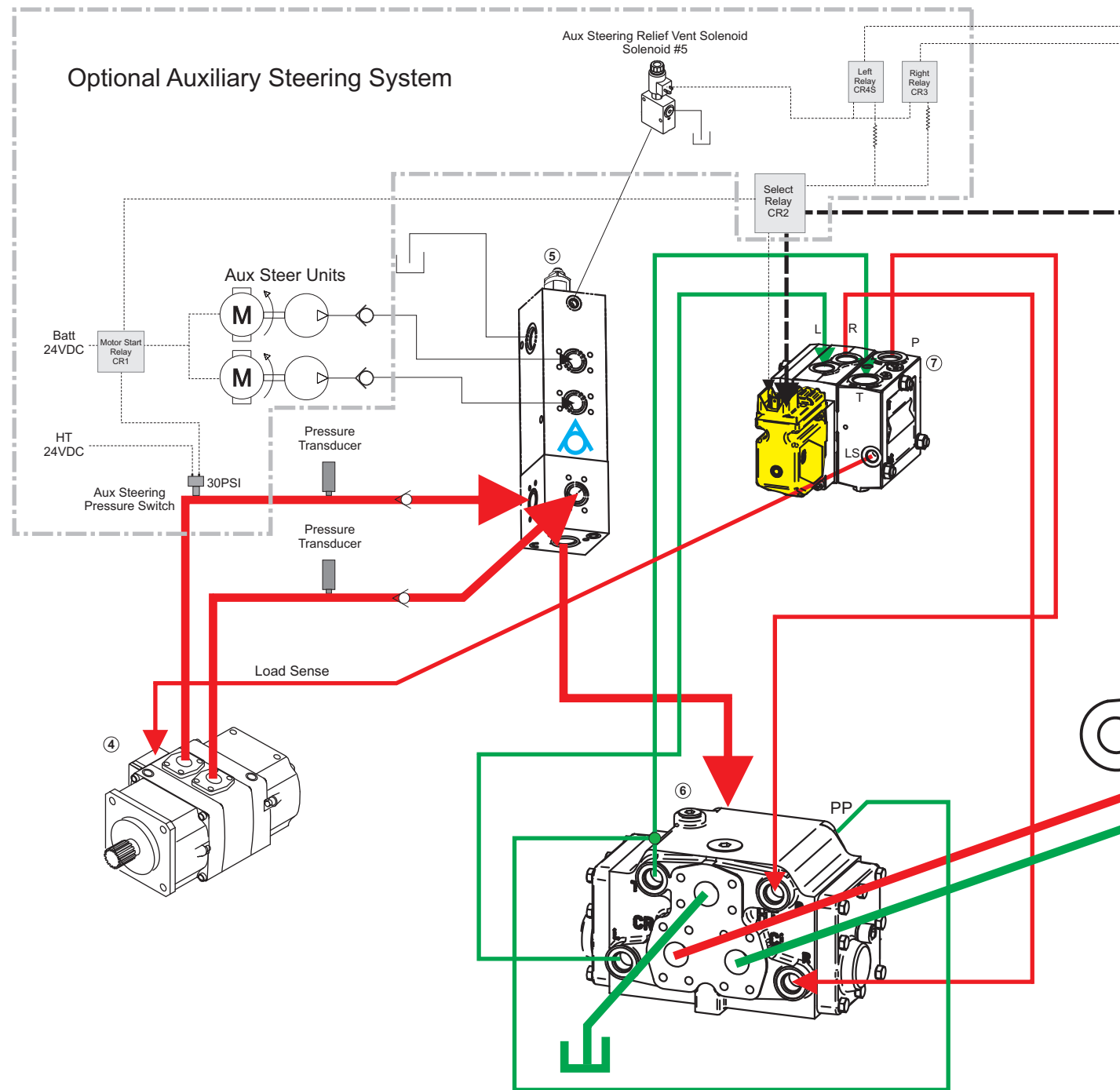


LINCS Logic

Calibrations



Optional Auxiliary Steering System



Steer Right

- Hydraulic Adjustments**
- 4. Main Pump Compensator and Stand-by
 - 5. Auxillary Steering Relief
 - 6. Flow Amplifier Main Relief (N/A)
 - 7. PVG Valve Relief (Not Adjustable)

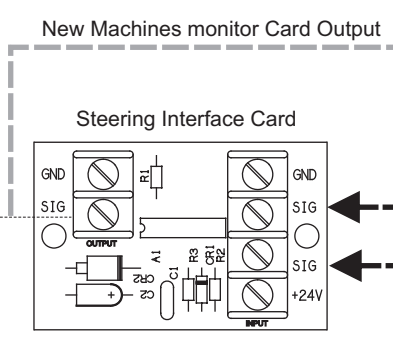
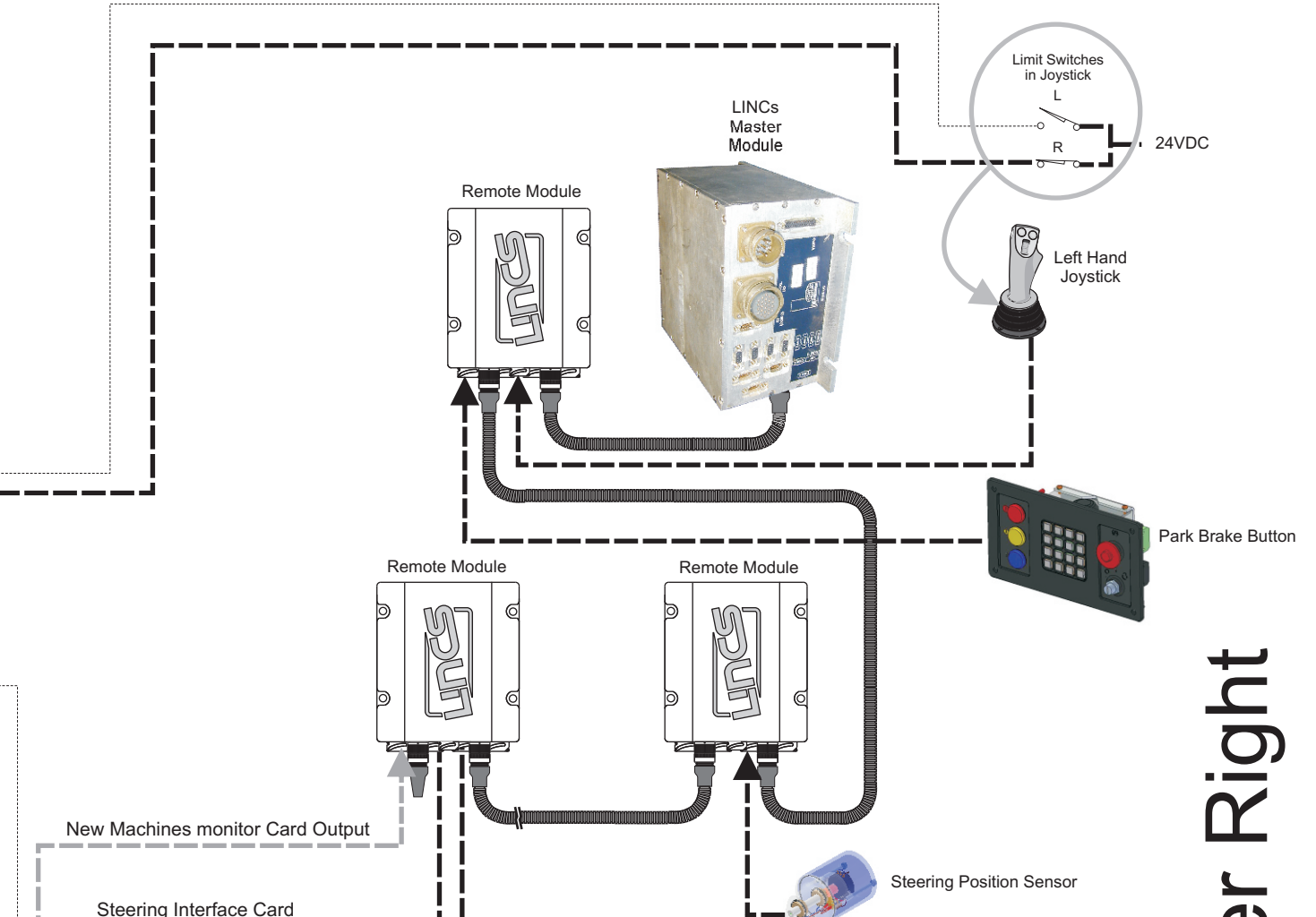
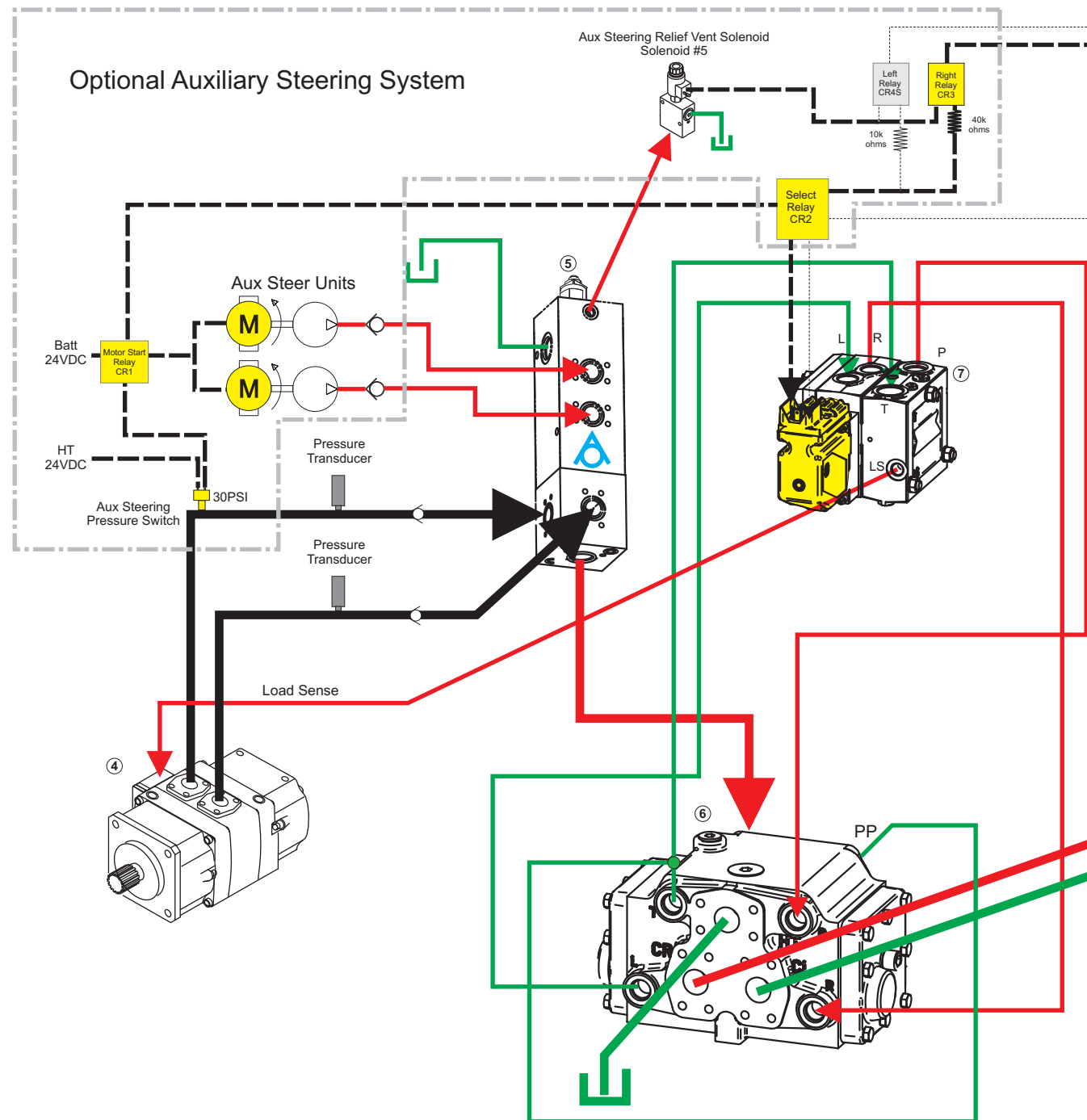
Color Legend

Red line	Main Pump Flow
Green line	Return
Blue line	Pilot Supply
Yellow line	Pilot Control
Light Blue line	Special Function
Black dashed line	Electrical

LINCS Logic

Not Used

Optional Auxiliary Steering System

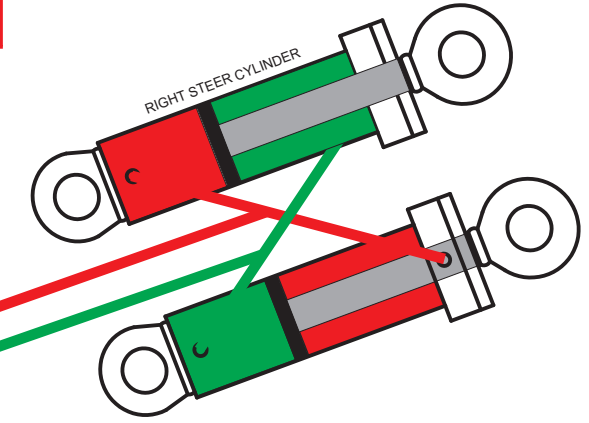


Auxiliary Steer Right

- Hydraulic Adjustments**
- 4. Main Pump Compensator and Stand-by
 - 5. Auxillary Steering Relief
 - 6. Flow Amplifier Main Relief (N/A)
 - 7. PVG Valve Relief (Not Adjustable)

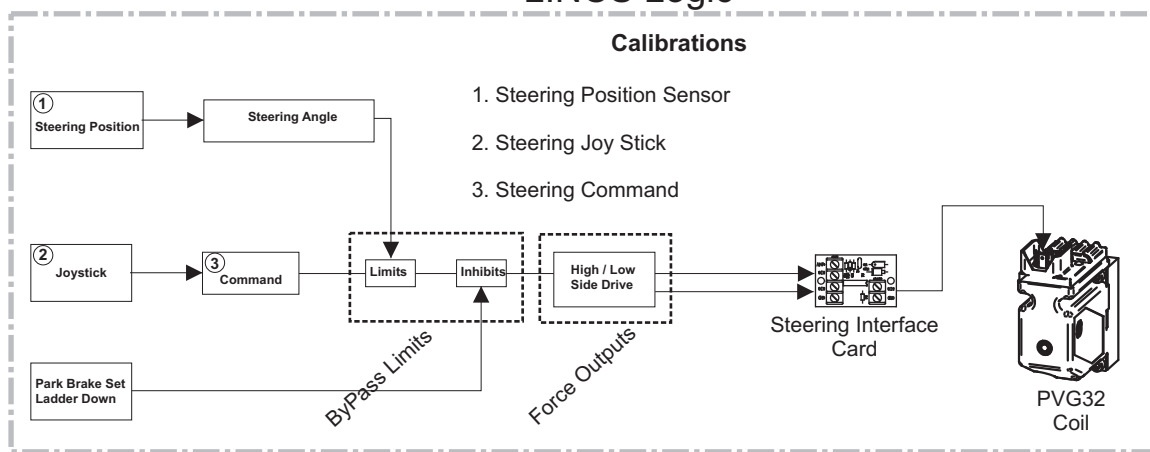
Color Legend

Red line	Main Pump Flow
Green line	Return
Blue line	Pilot Supply
Yellow line	Pilot Control
Light Blue line	Special Function
Dashed black line	Electrical

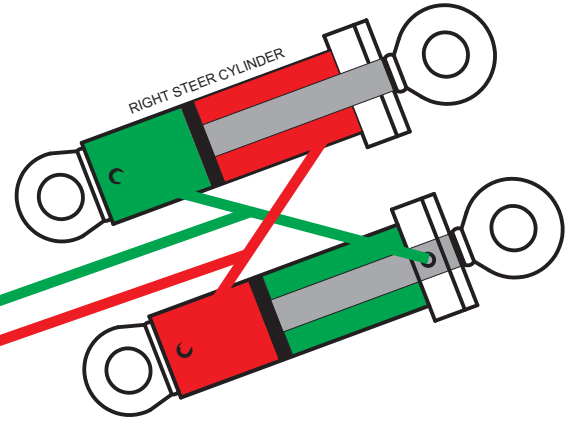
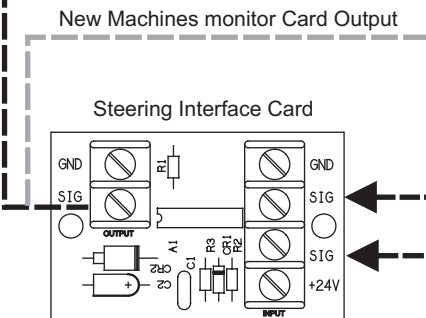
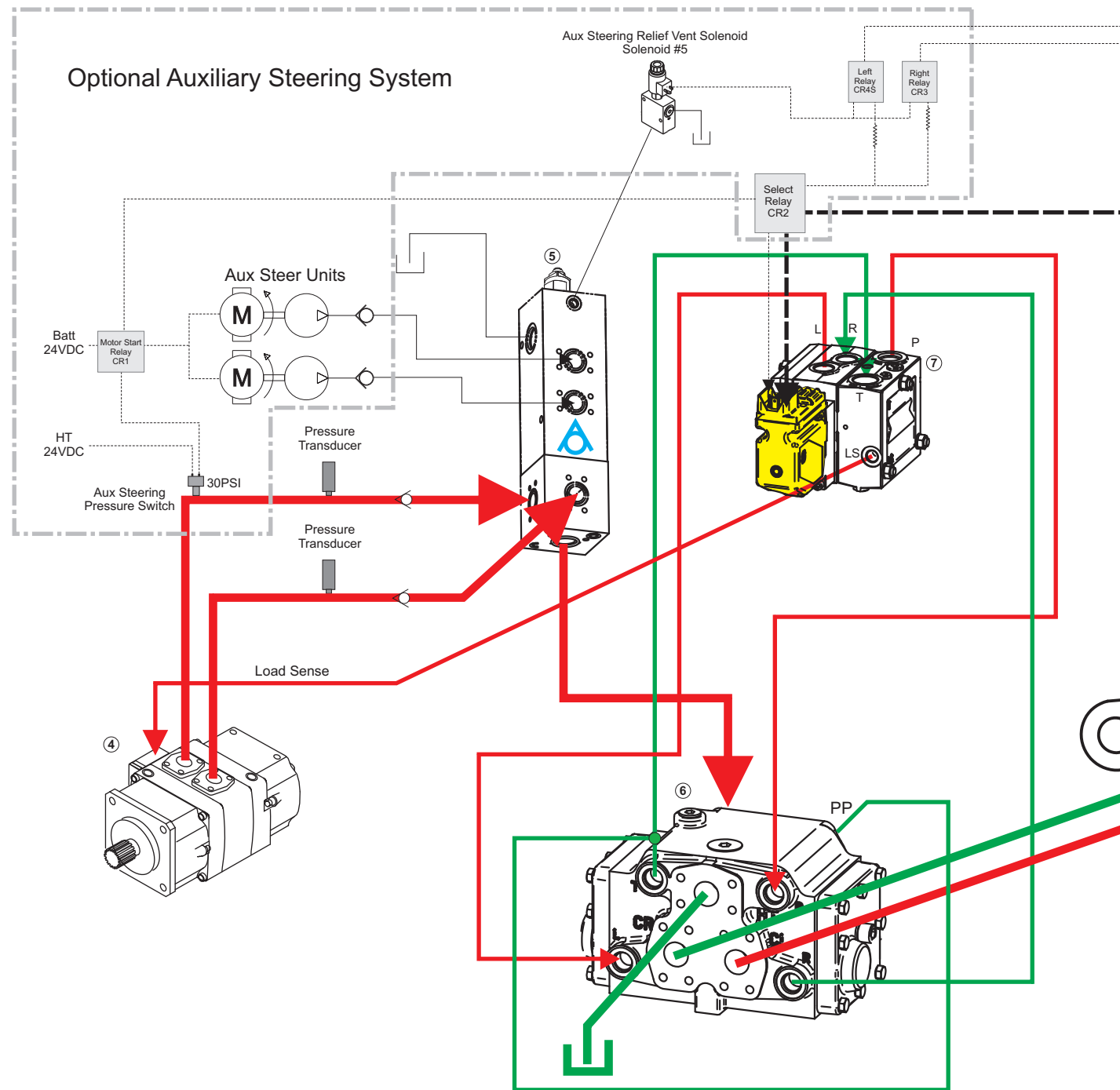


LINCS Logic

Calibrations



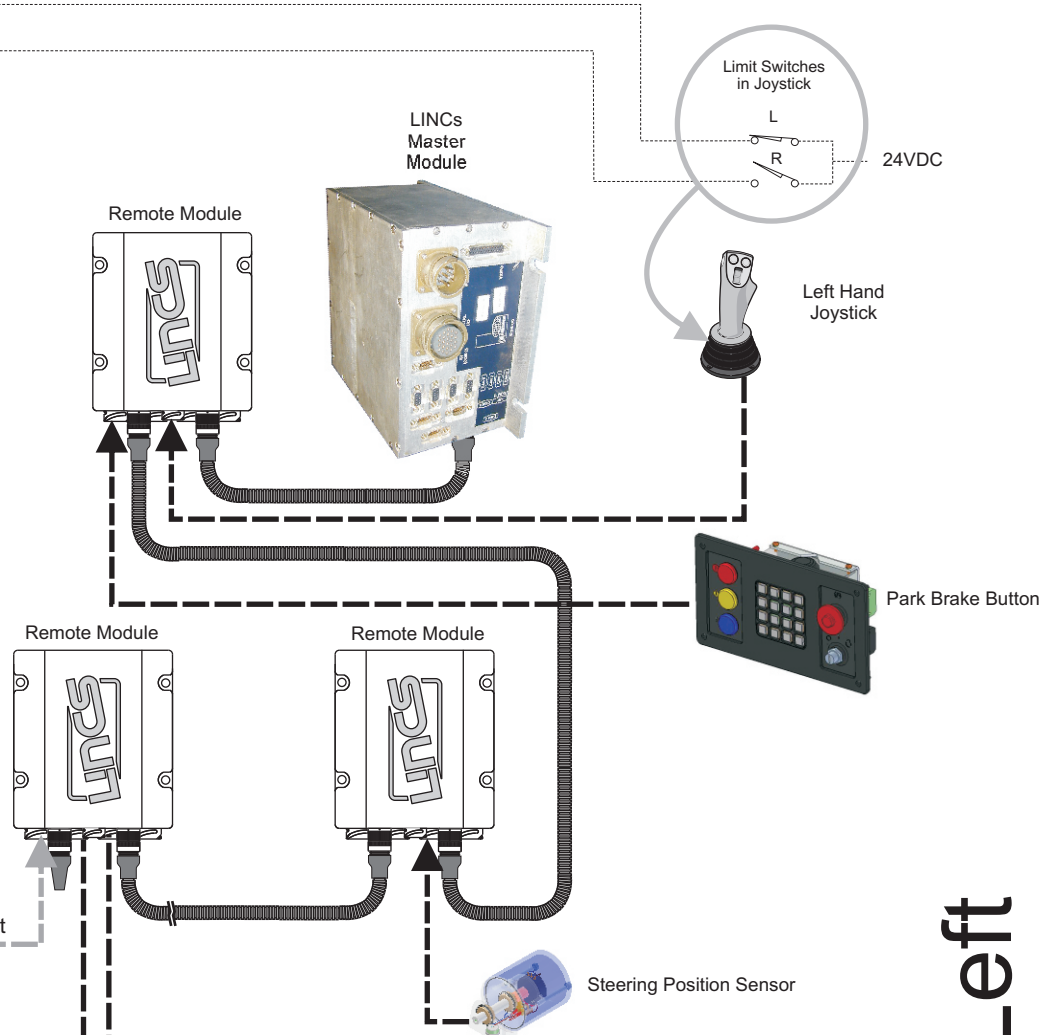
Optional Auxiliary Steering System



- Hydraulic Adjustments**
- 4. Main Pump Compensator and Stand-by
 - 5. Auxillary Steering Relief
 - 6. Flow Amplifier Main Relief (N/A)
 - 7. PVG Valve Relief (Not Adjustable)

Color Legend

Red line	Main Pump Flow
Green line	Return
Blue line	Pilot Supply
Yellow line	Pilot Control
Light Blue line	Special Function
Black dashed line	Electrical

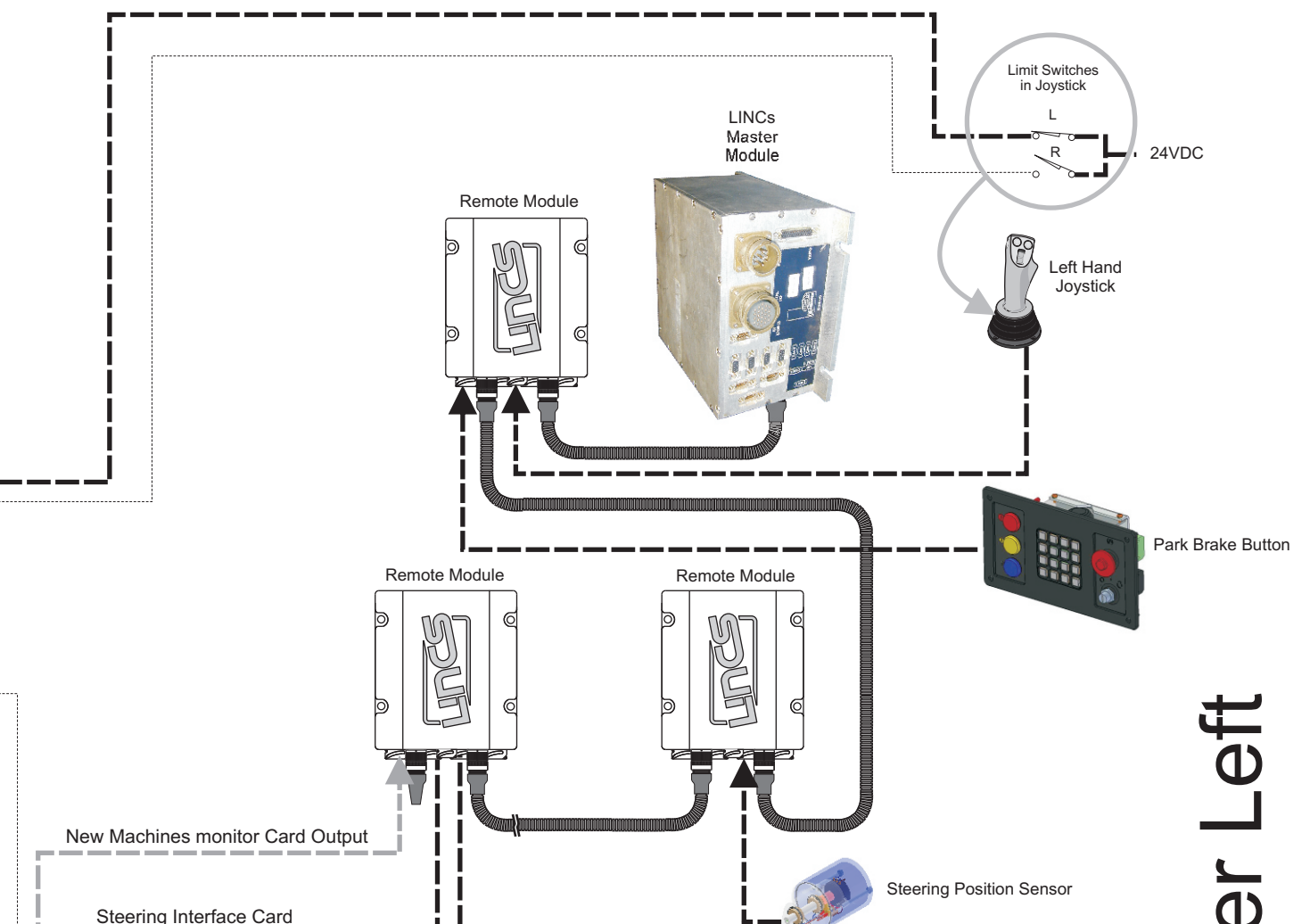
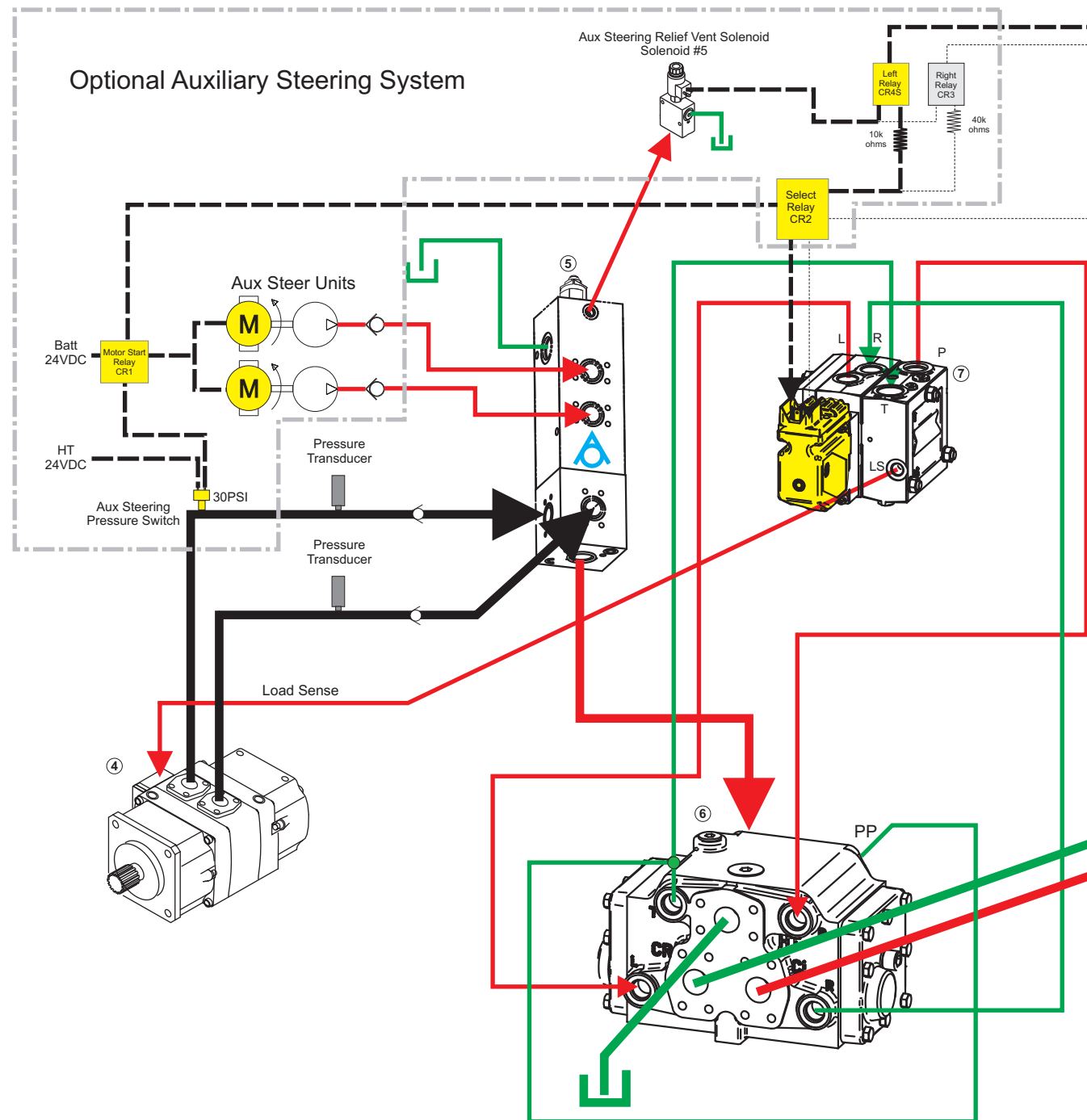


Steer Left

LINCS Logic

Not Used

Optional Auxiliary Steering System



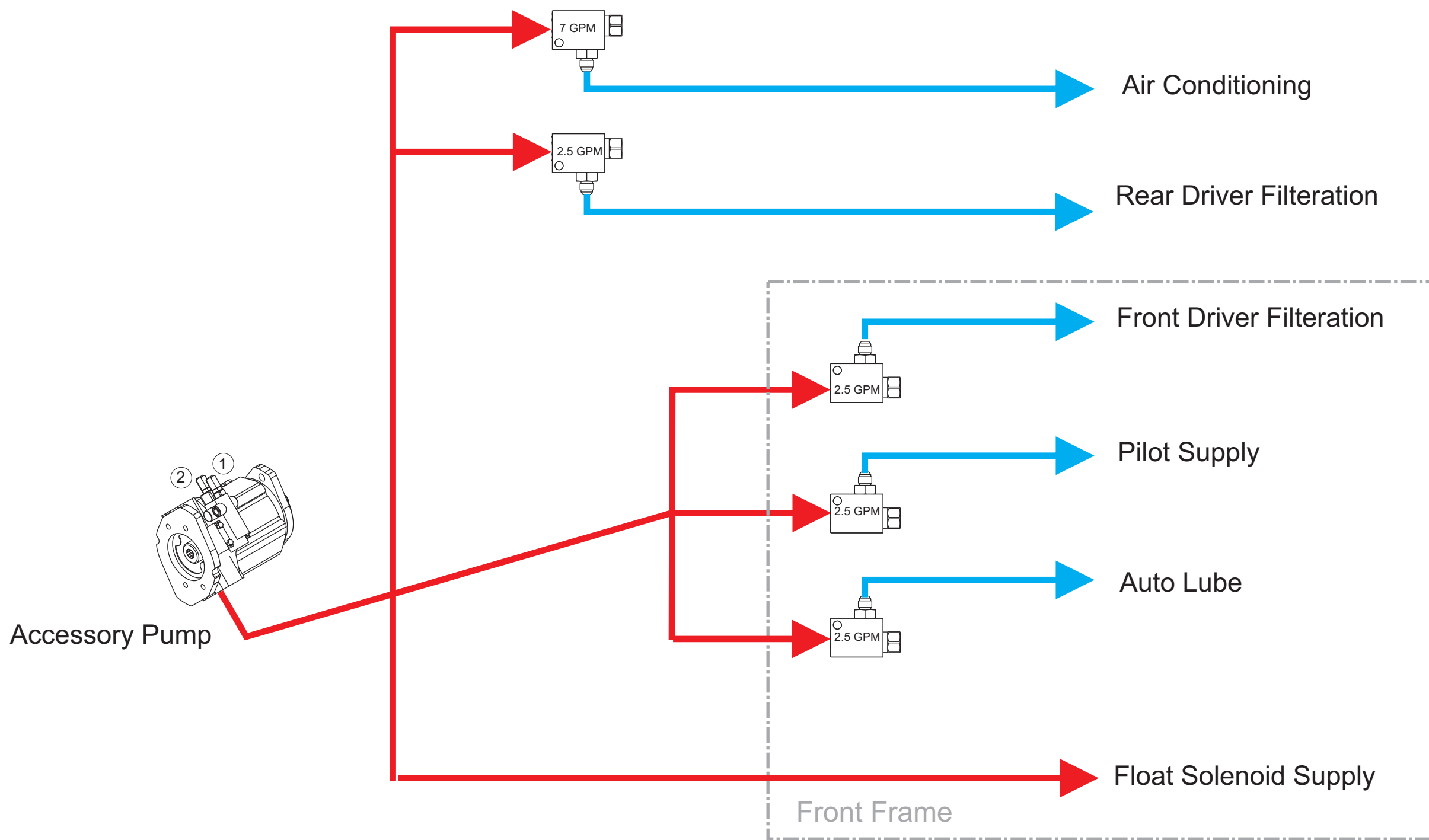
Auxiliary Steer Left

- Hydraulic Adjustments**
- 4. Main Pump Compensator and Stand-by
 - 5. Auxillary Steering Relief
 - 6. Flow Amplifier Main Relief (N/A)
 - 7. PVG Valve Relief (Not Adjustable)

Color Legend

Red line	Main Pump Flow
Green line	Return
Blue line	Pilot Supply
Yellow line	Pilot Control
Light Blue line	Special Function
Dashed line	Electrical

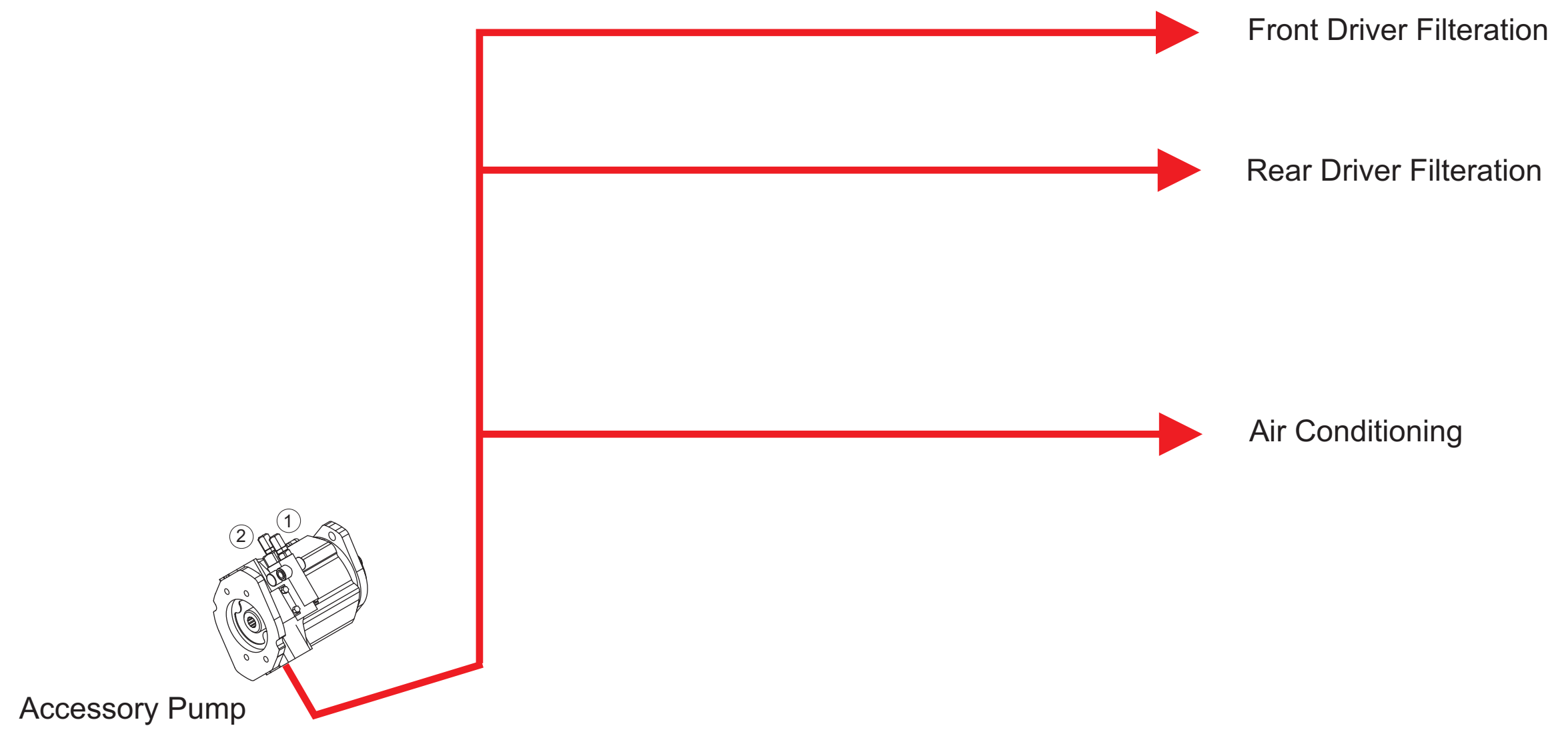
Accessory Pump Circuit (New)



Hydraulic Adjustments
1. Stand-by Adjustment
2. Compensator Adjustment

Color Legend
Main Pump Flow
Regulated Flow

Accessory Pump Circuit (Old)

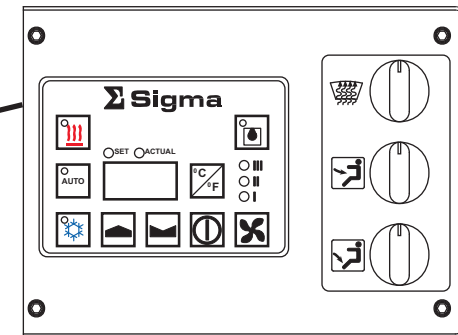
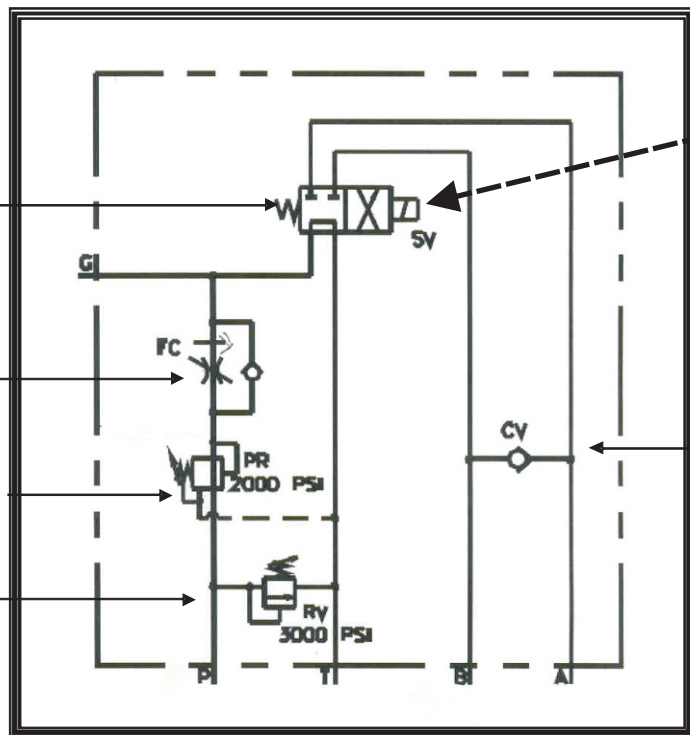
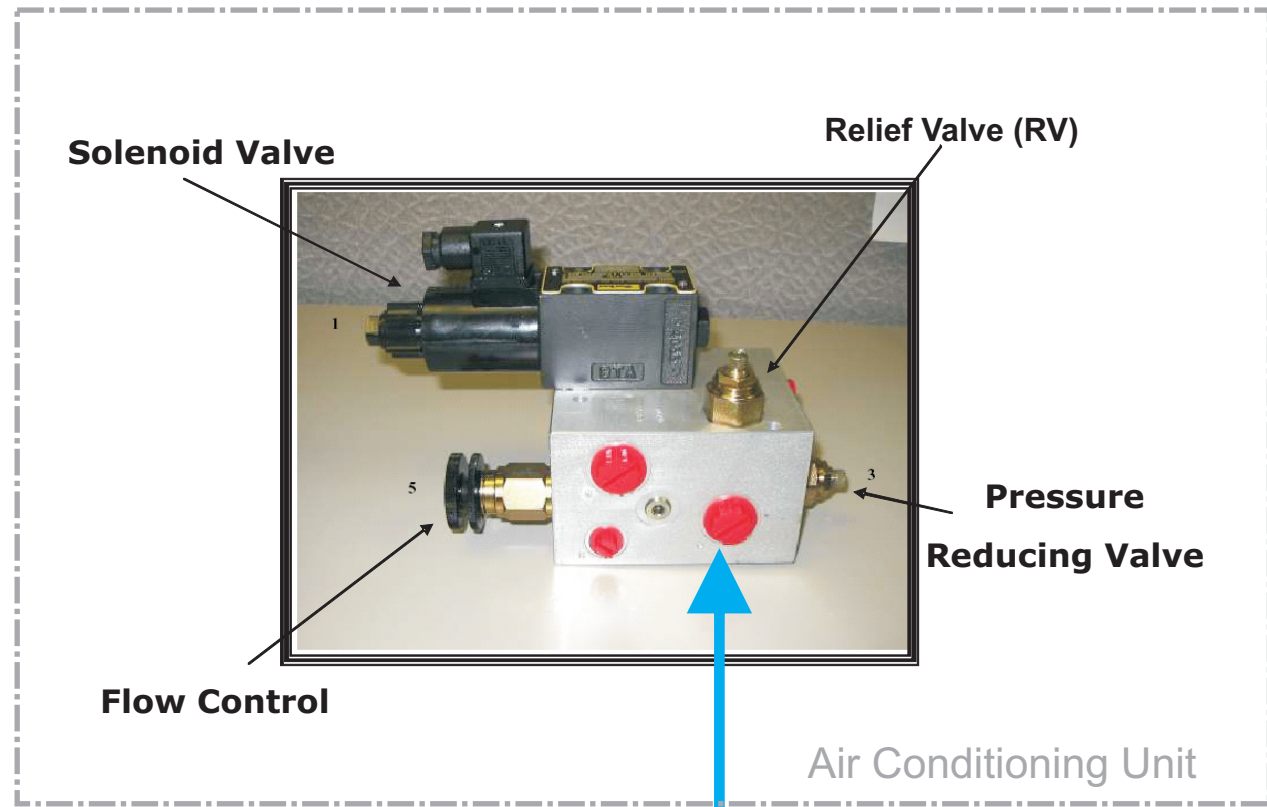
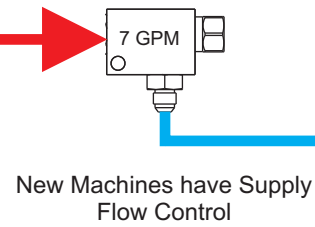
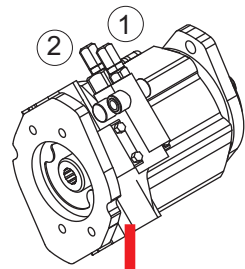


Hydraulic Adjustments
1. Stand-by Adjustment
2. Compensator Adjustment

Color Legend
— Main Pump Flow
— Regulated Flow

Air Conditioning Circuit

Accessory Pump

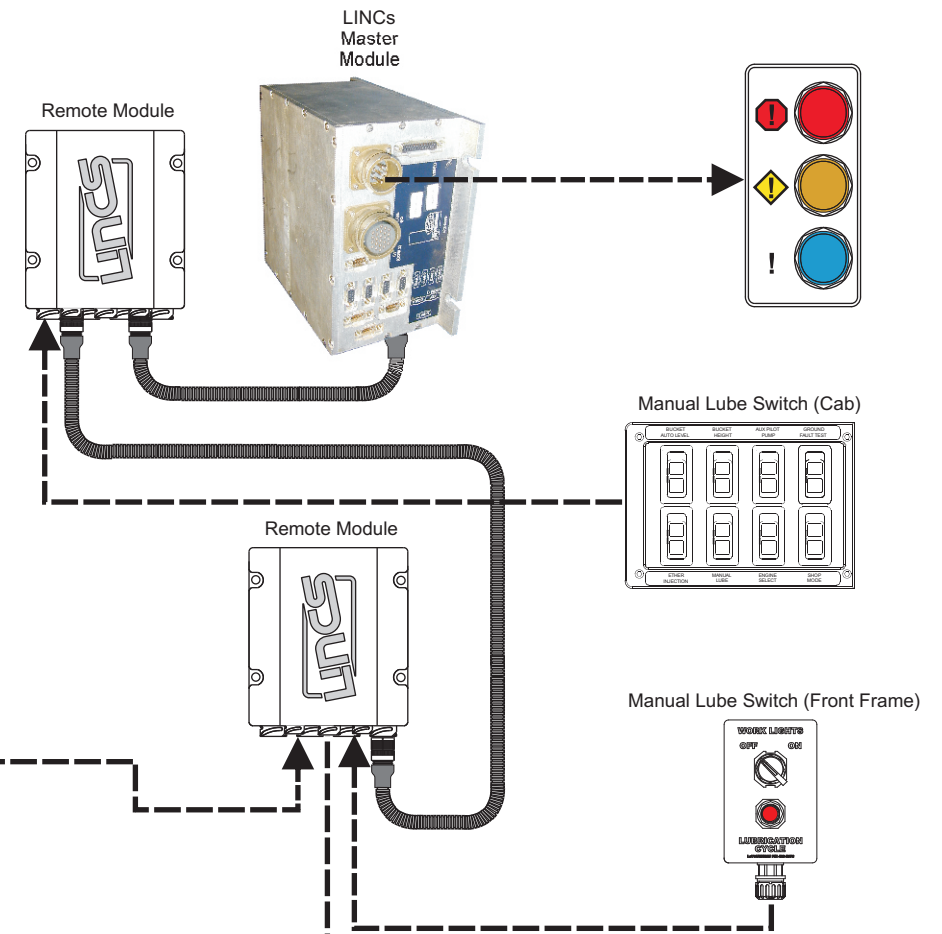
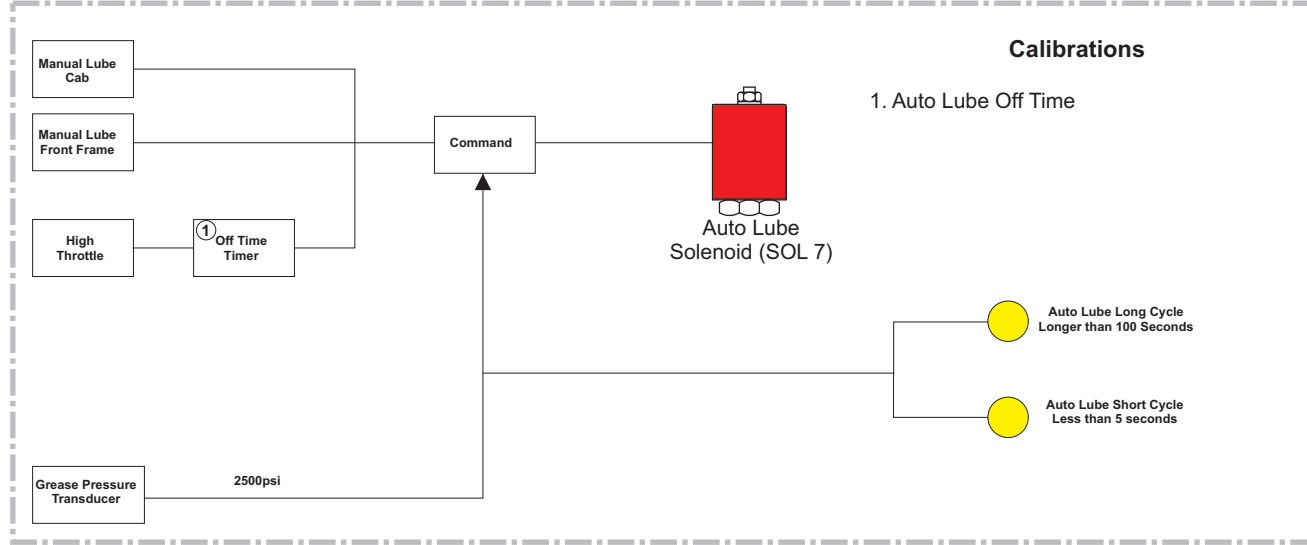


- Hydraulic Adjustments**
1. Stand-by Adjustment
 2. Compensator Adjustment

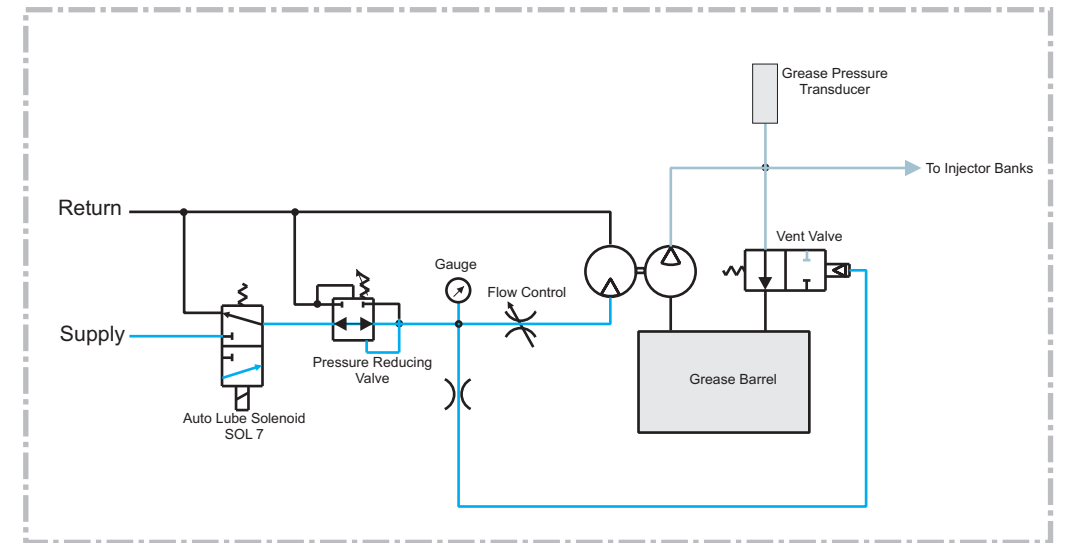
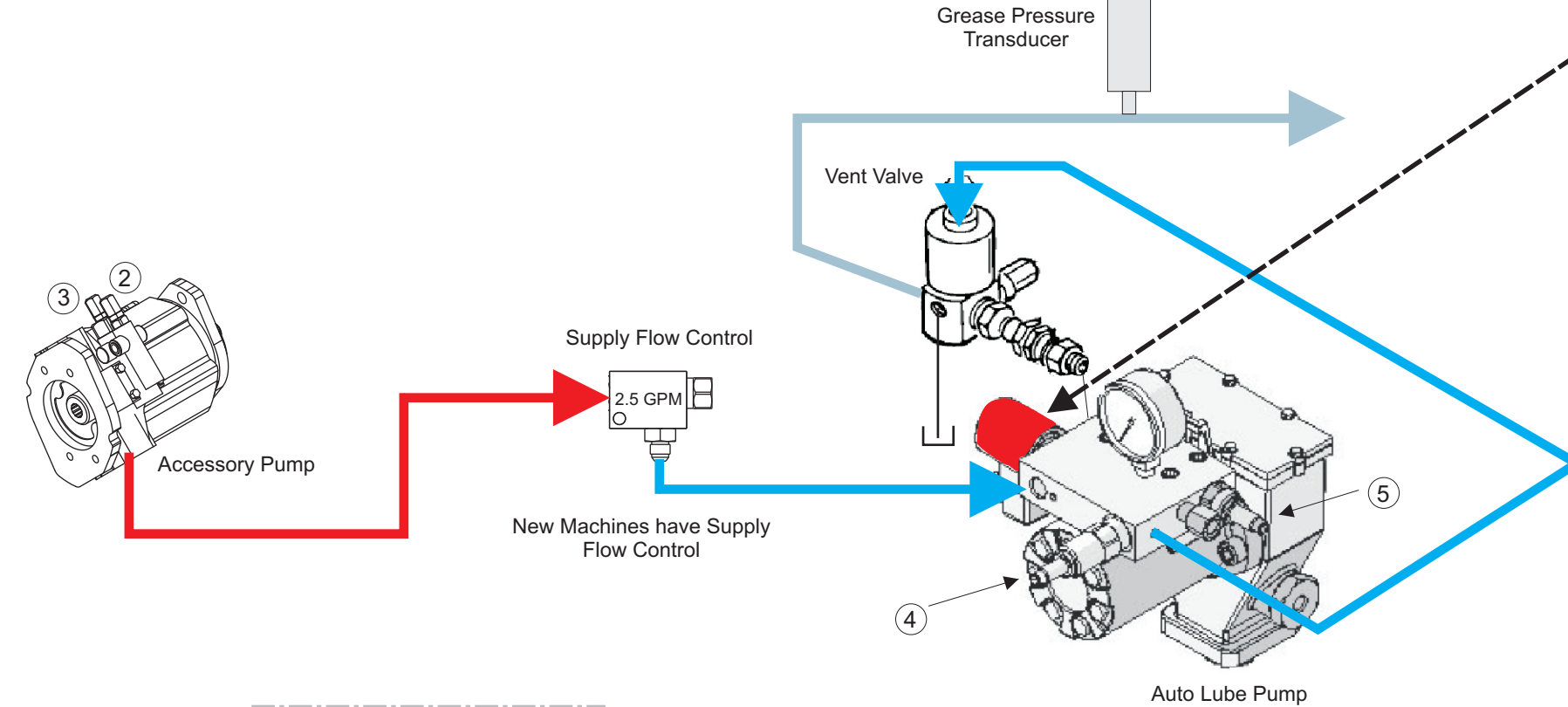


Air Conditioning Circuit

LINCS Logic



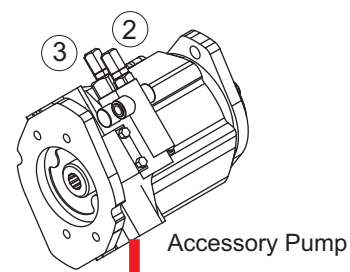
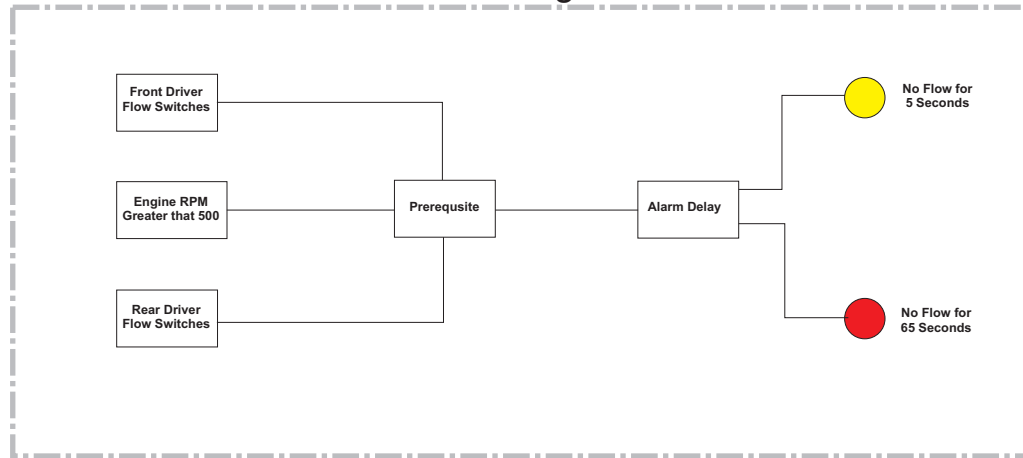
Auto Lube Circuit



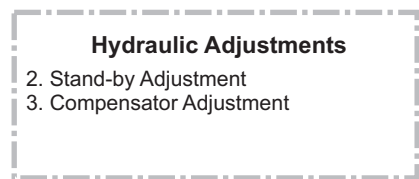
- Hydraulic Adjustments**
- Stand-by Adjustment
 - Compensator Adjustment
 - Pressure Reducing Valve
 - Flow Control Valve

- Color Legend**
- Main Pump Flow (Red line)
 - Regulated Flow (Blue line)
 - Grease Output (Light Blue line)
 - Electrical (Dashed line)

LINCS Logic



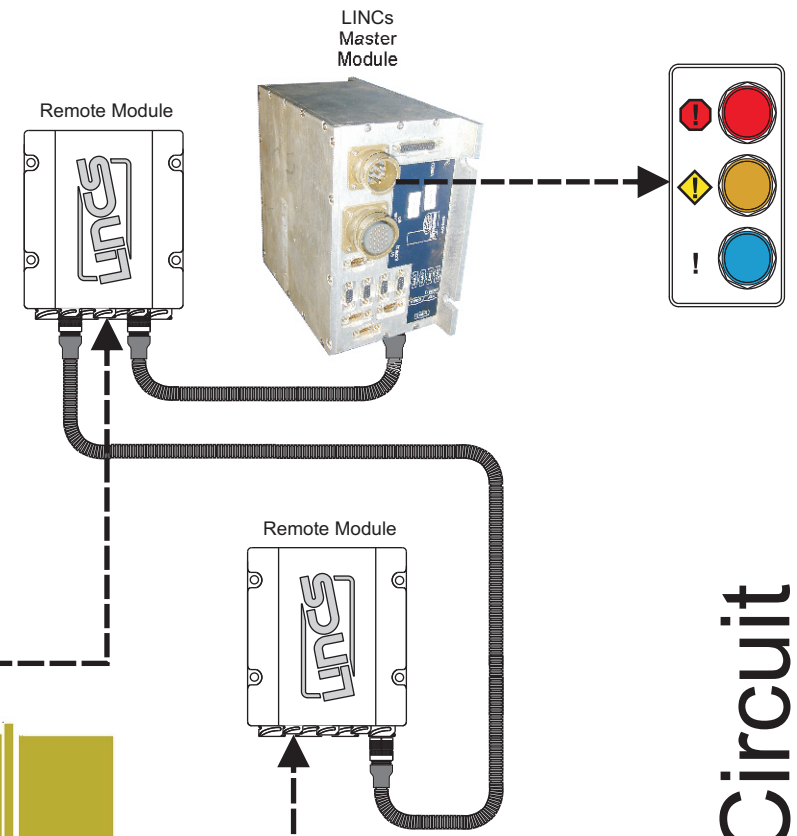
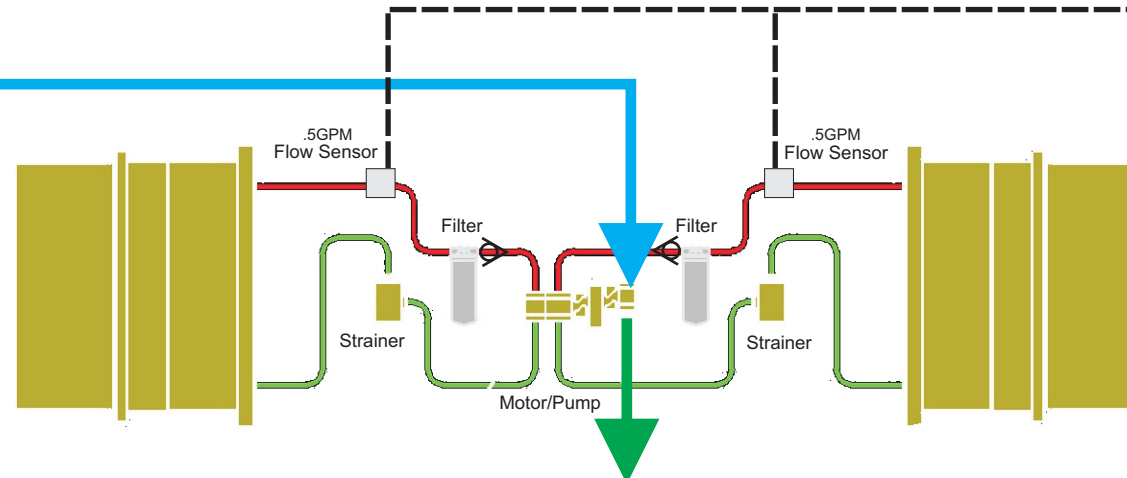
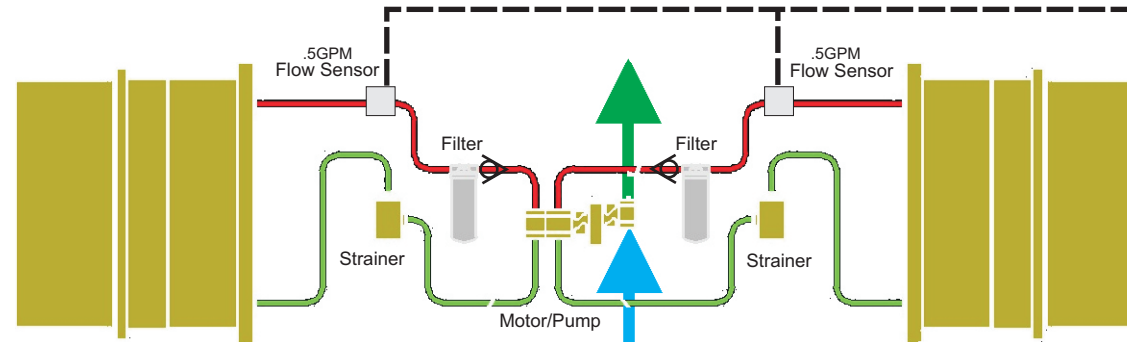
Accessory Pump



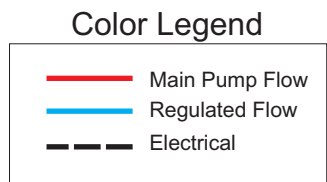
2.5 GPM
Front Supply Flow Control

2.5 GPM
Rear Supply Flow Control

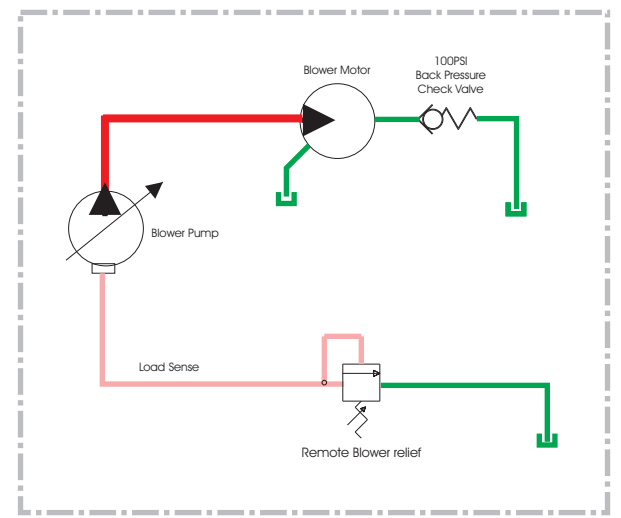
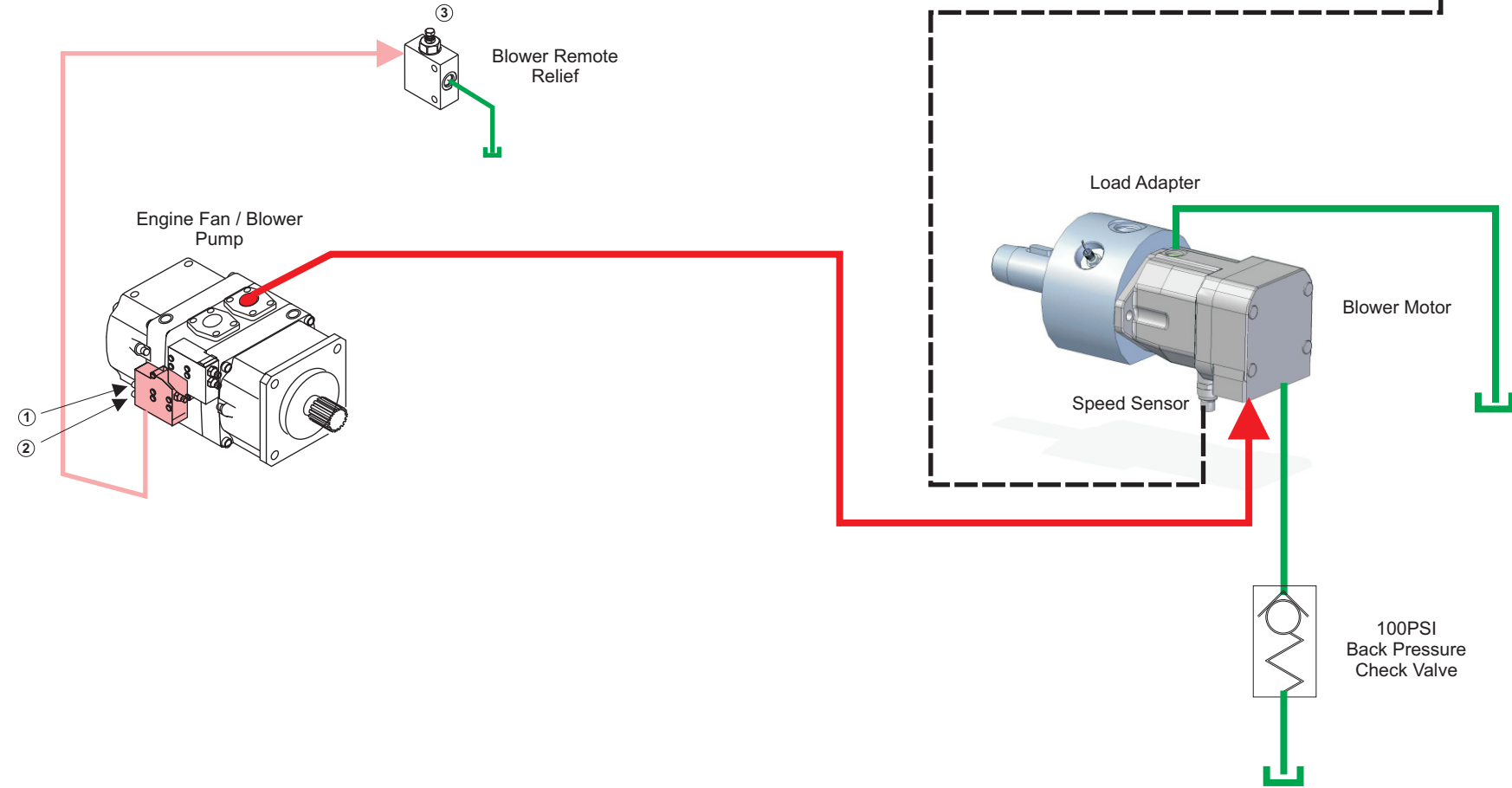
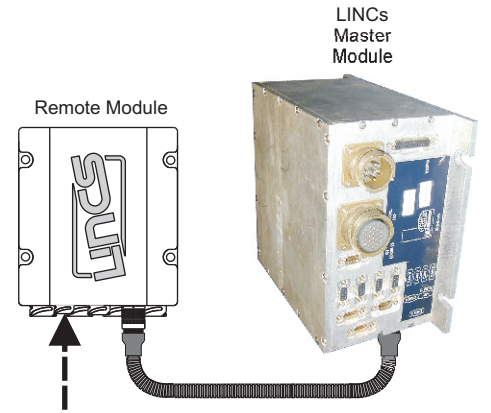
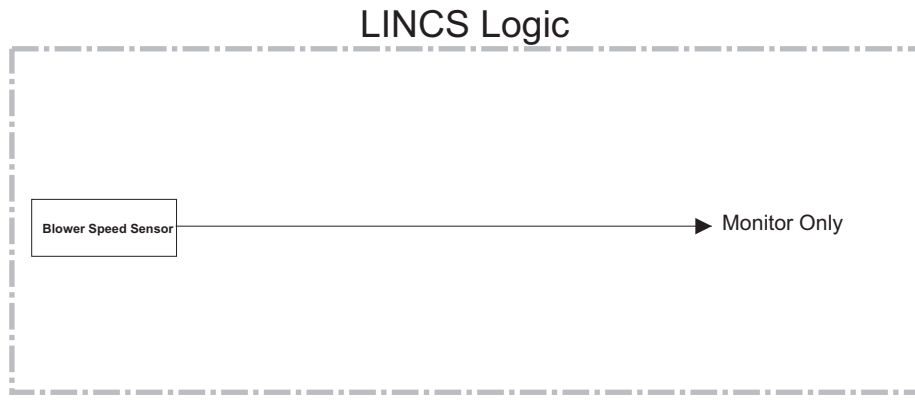
New Machines have Supply Flow Control. The Older Machines used and Orifice



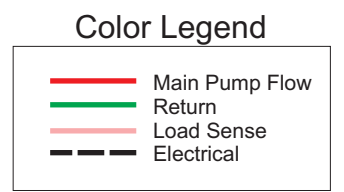
Driver Filtration Circuit



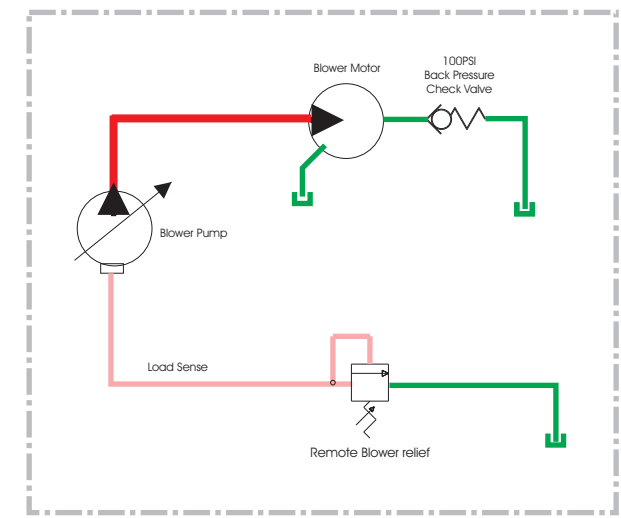
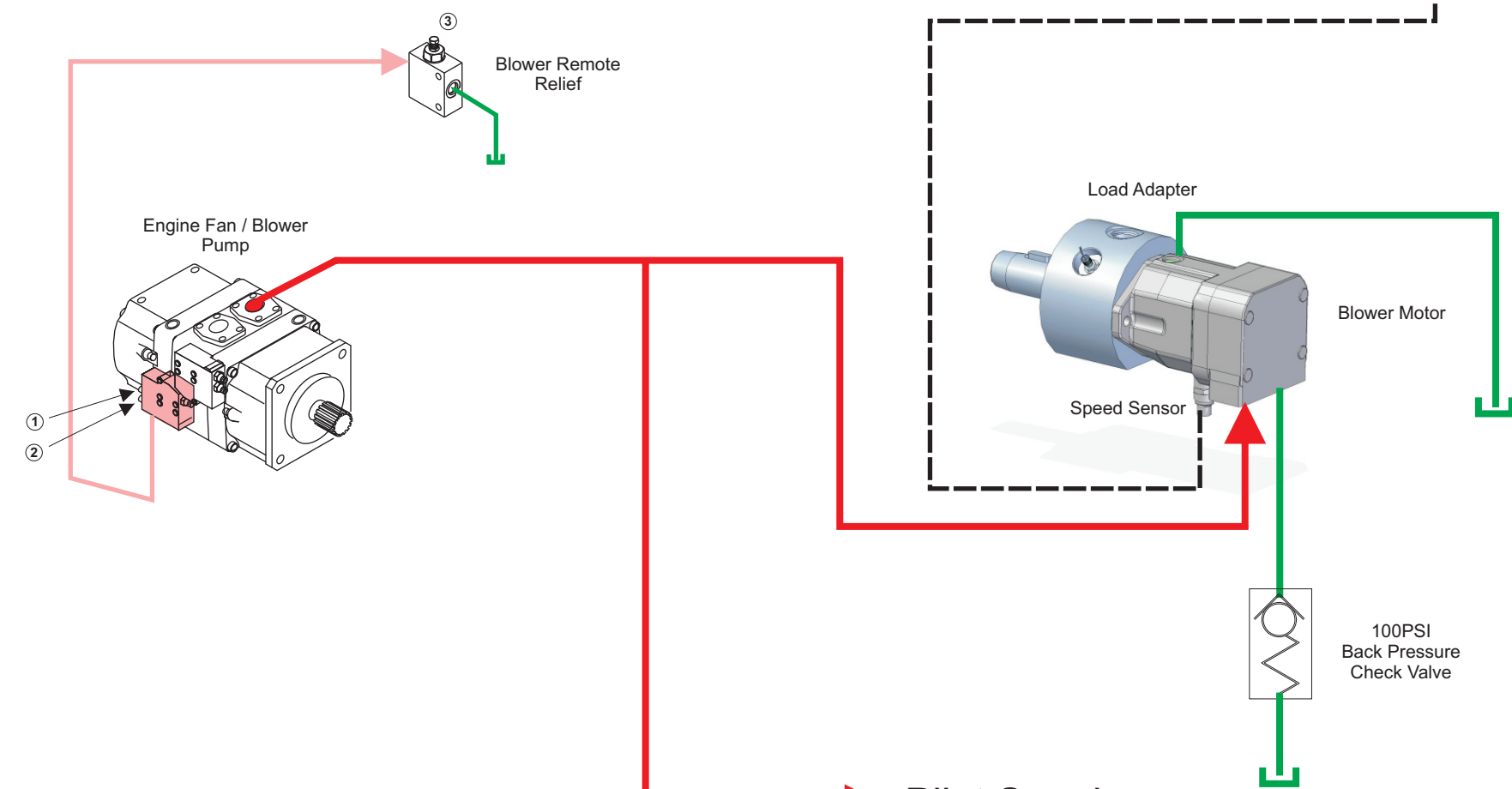
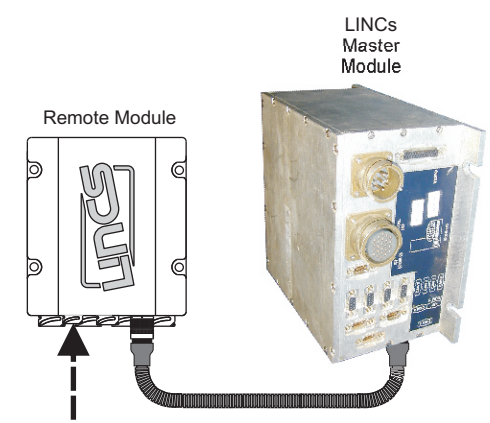
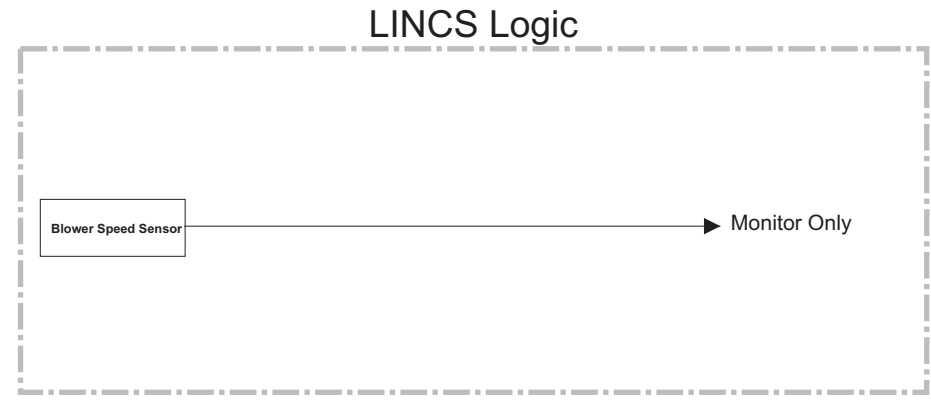
Blower Circuit (New)



- Hydraulic Adjustments**
1. Compensator Adjustment
 2. Stand By Adjustment
 3. Remote Relief Adjustment

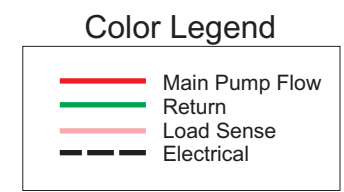


Blower Circuit (Old)

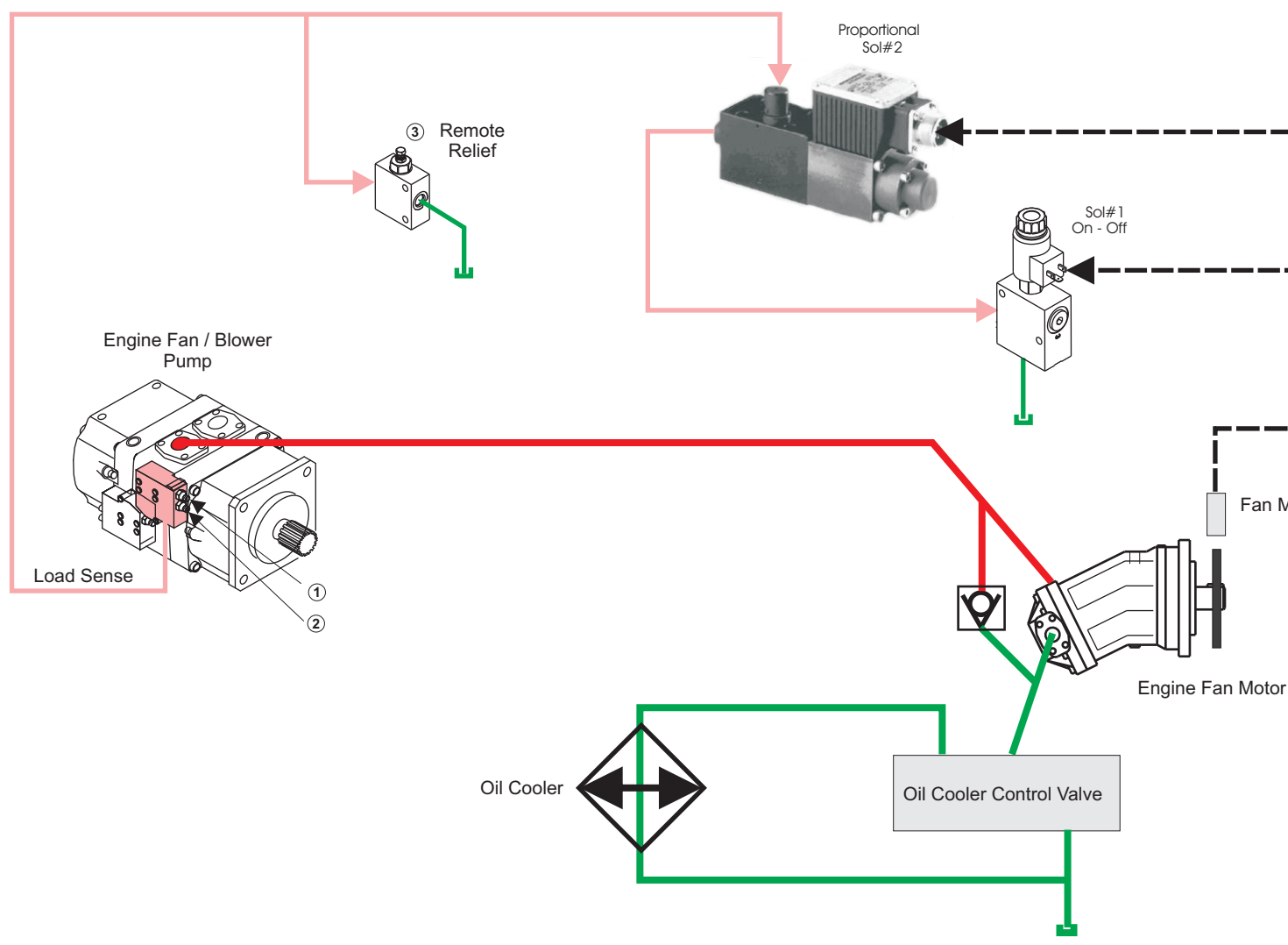
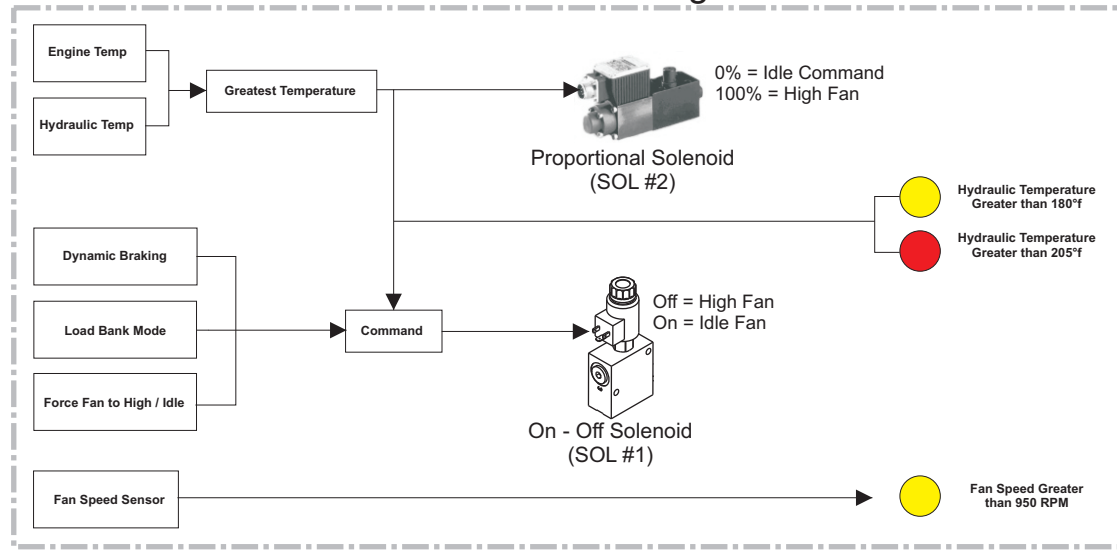


- Hydraulic Adjustments**
1. Compensator Adjustment
 2. Stand By Adjustment
 3. Remote Relief Adjustment

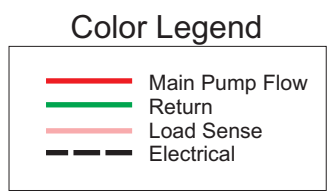
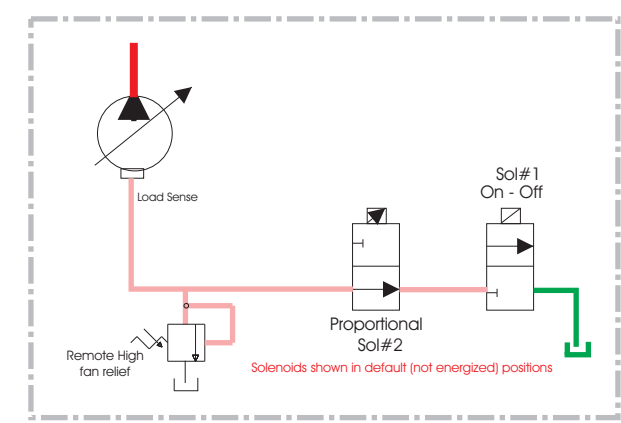
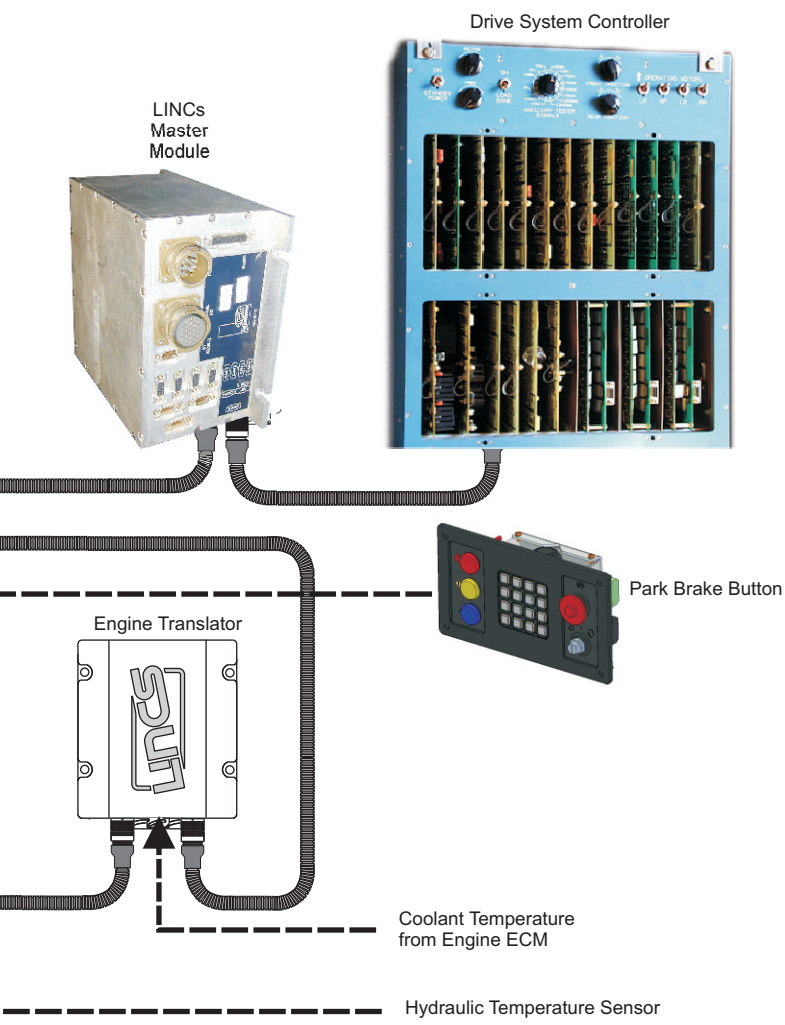
- Pilot Supply
- Auto Lube
- Float Solenoid (Sol21)



LINCS Logic

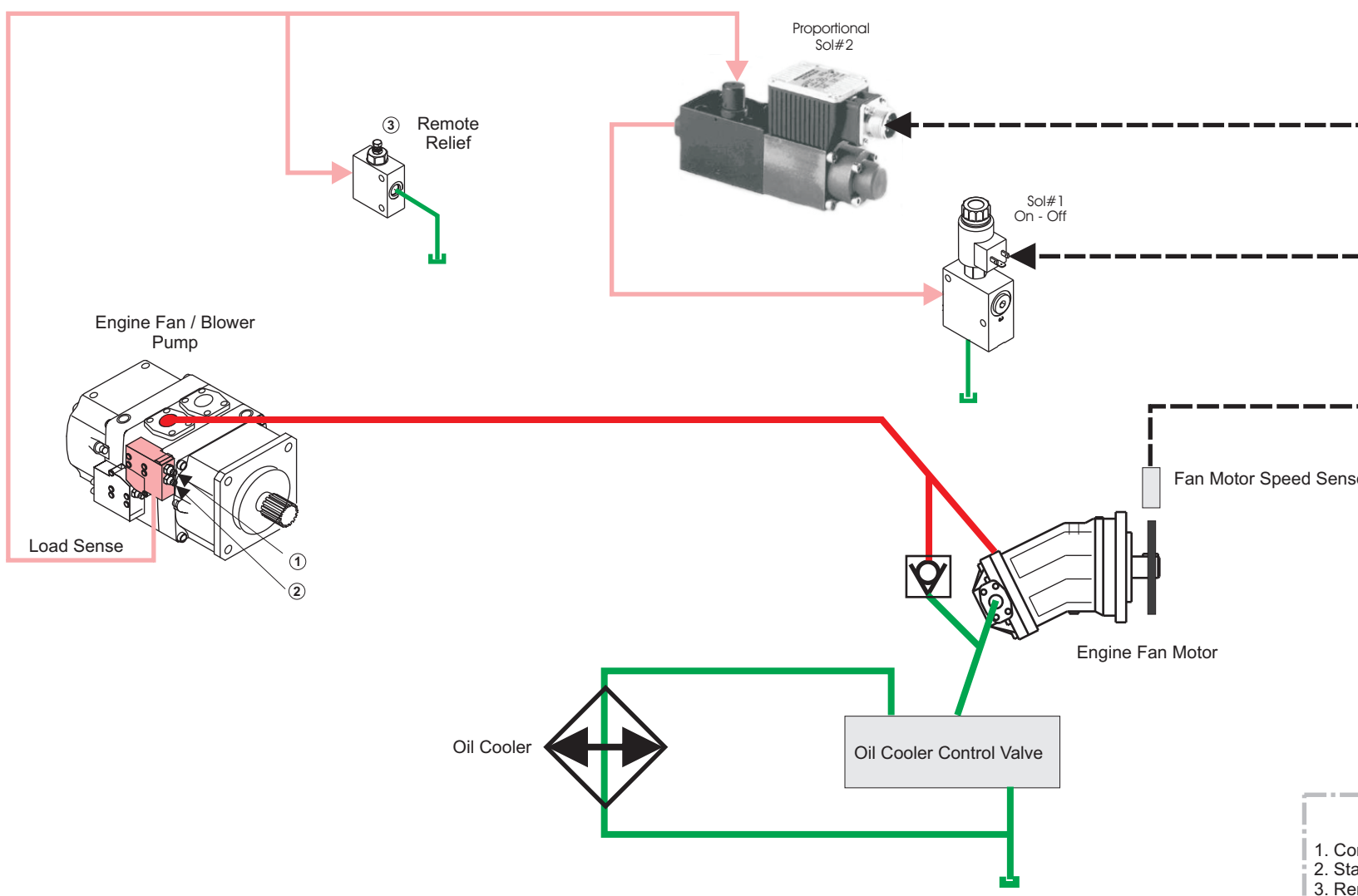
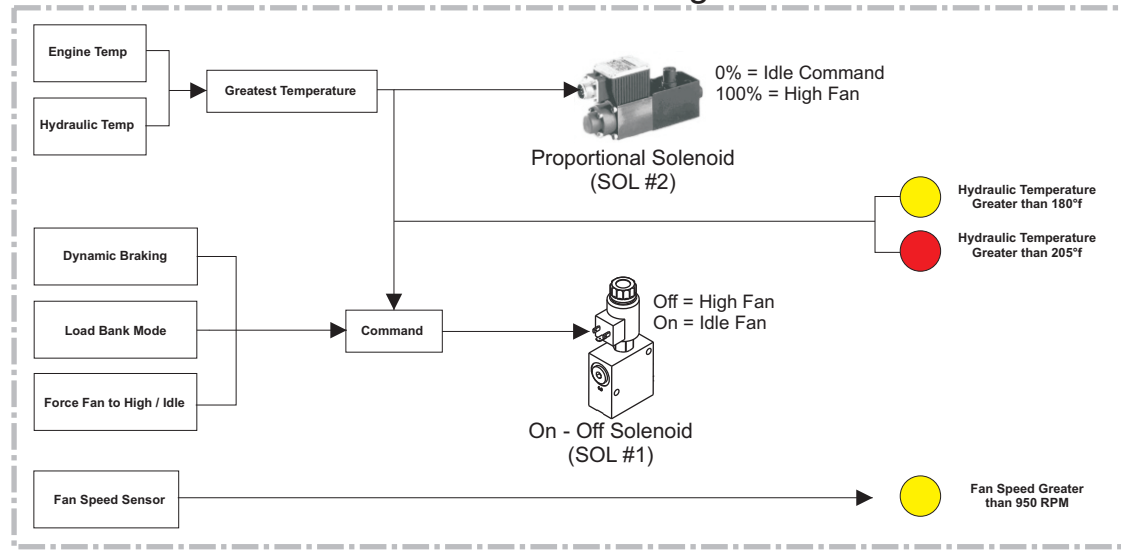


- Hydraulic Adjustments**
1. Compensator Adjustment
 2. Stand By Adjustment
 3. Remote Relief Adjustment

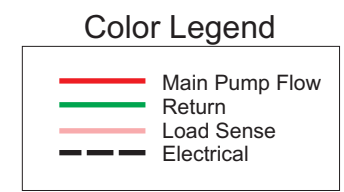
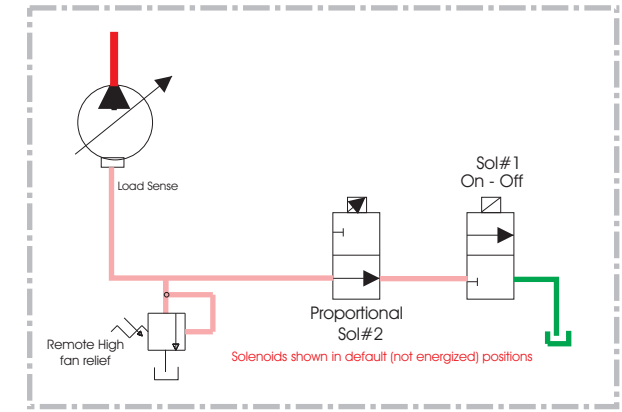
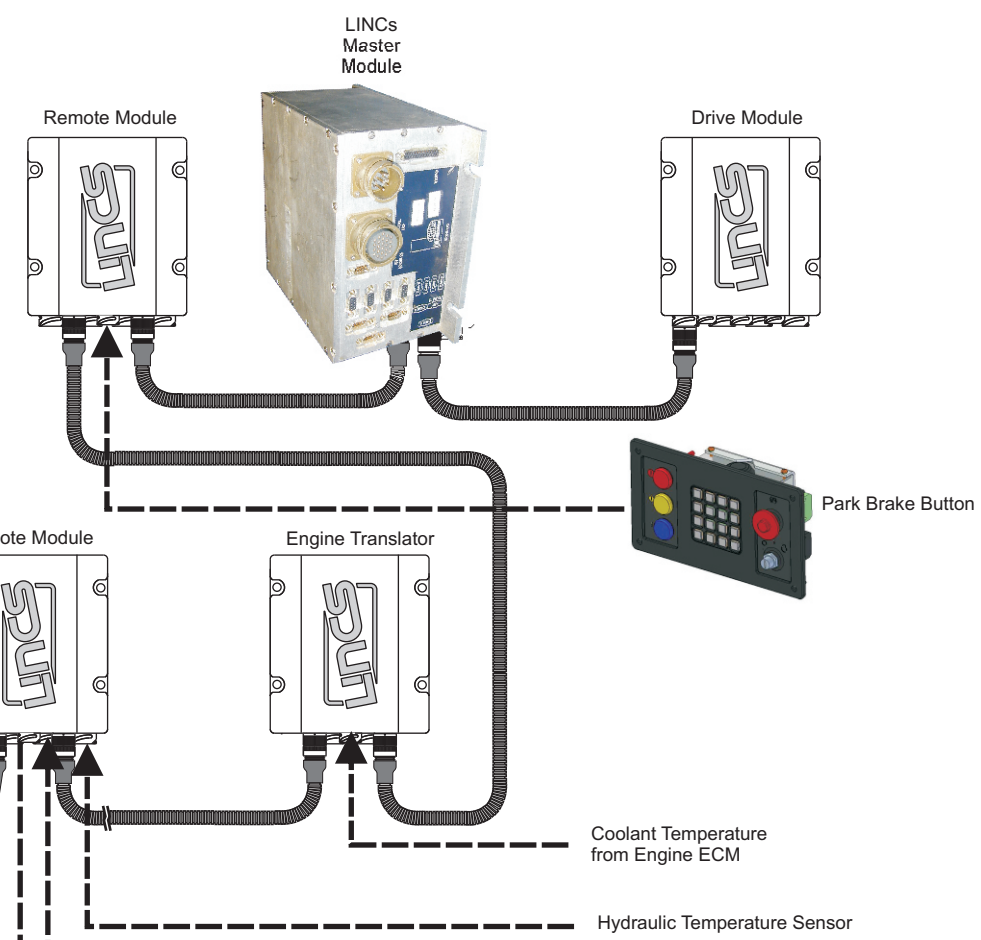


Engine Cooling Fan (Two Solenoid System - SCR Drive)

LINCS Logic

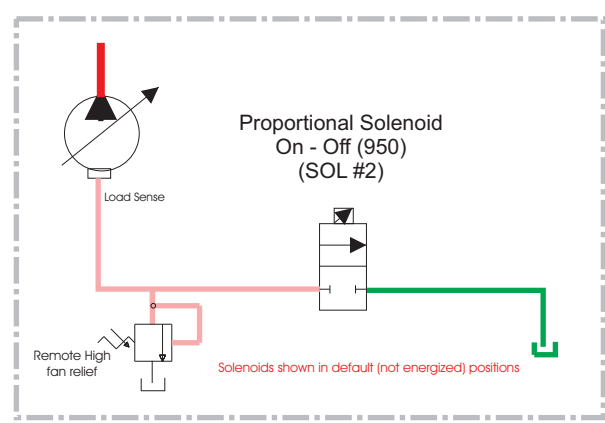
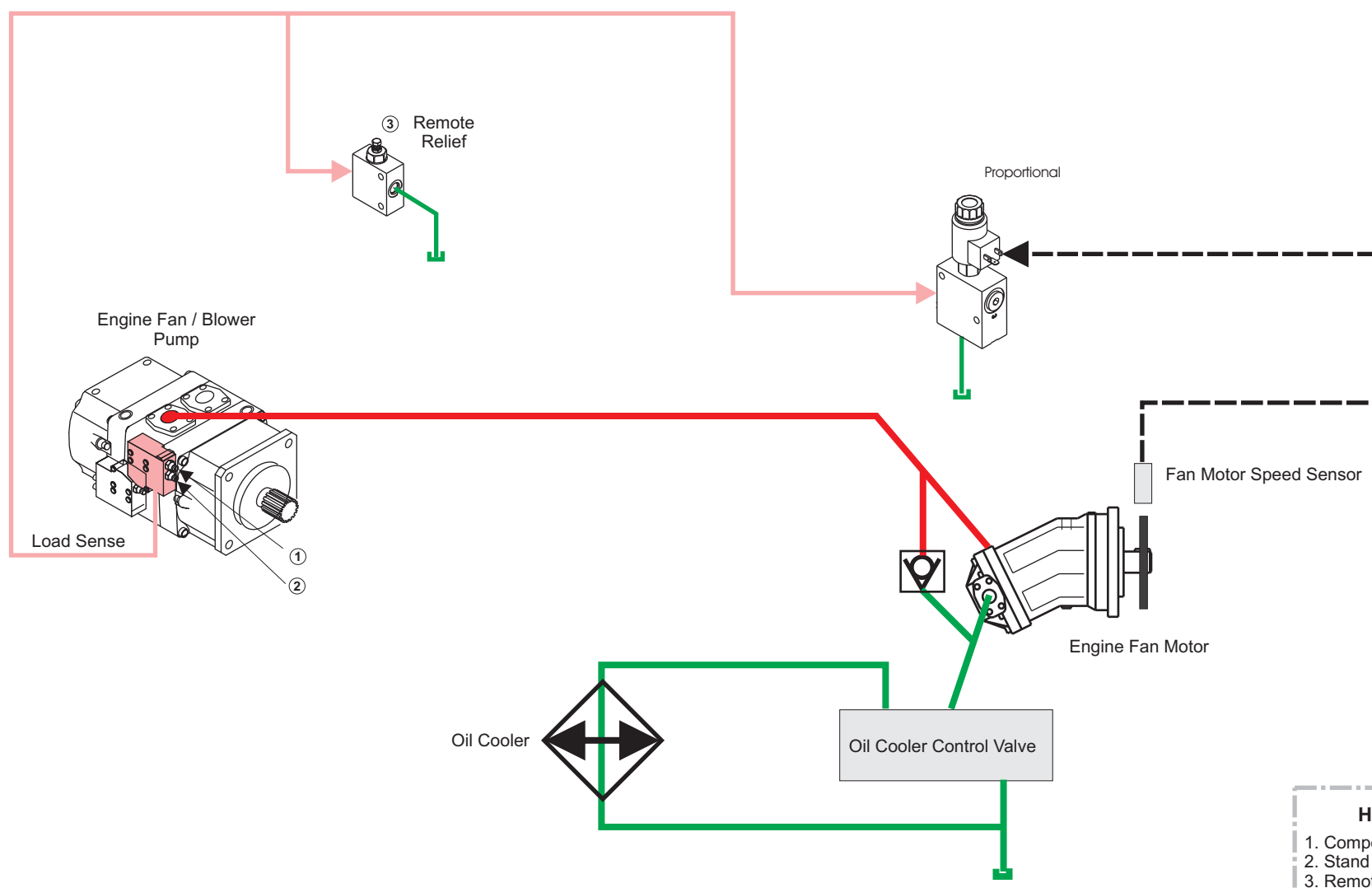
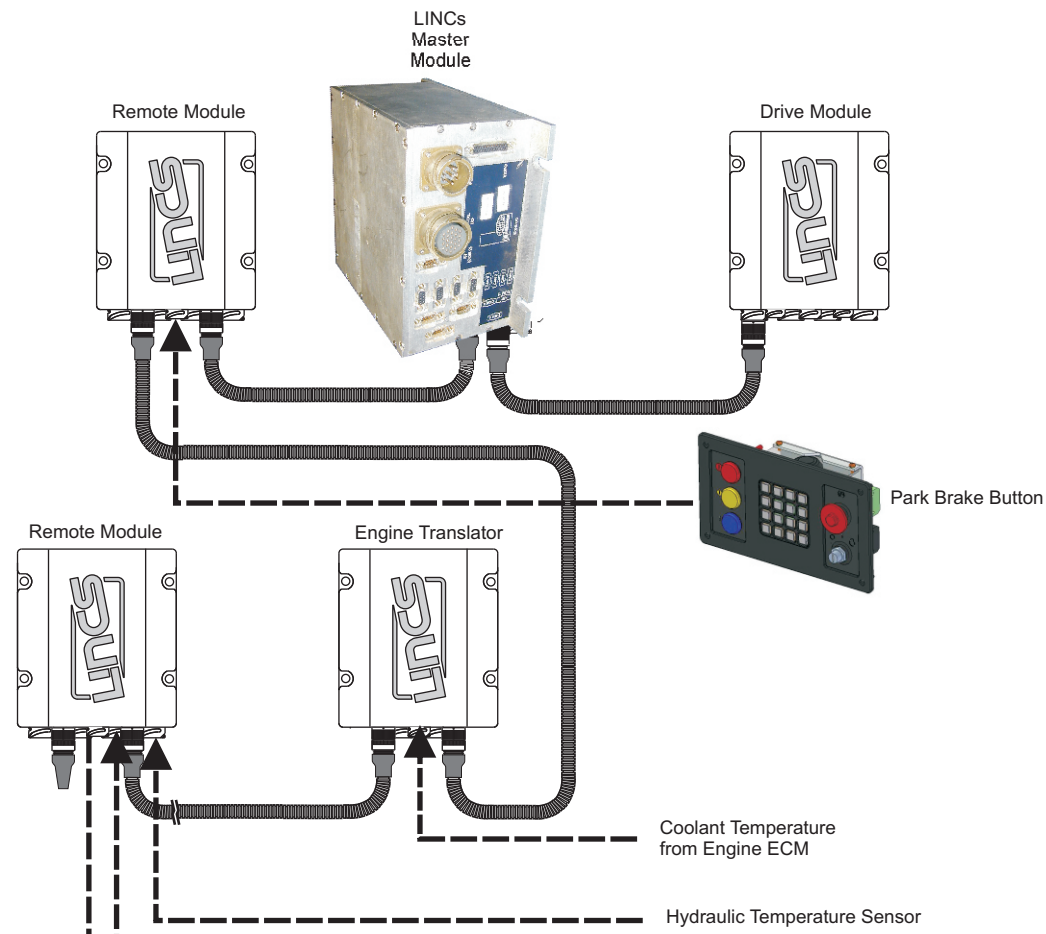
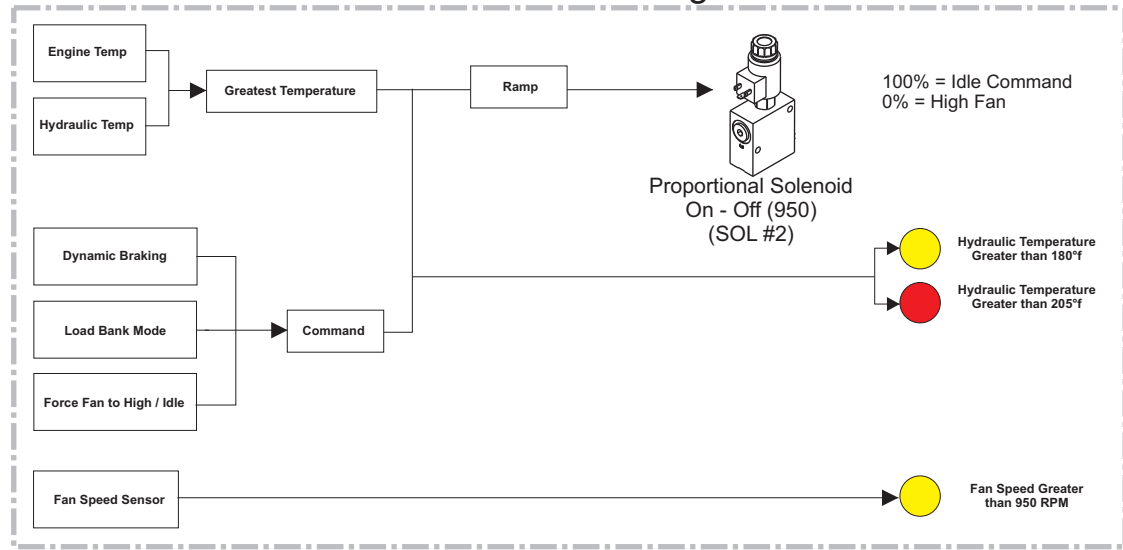


- Hydraulic Adjustments**
1. Compensator Adjustment
 2. Stand By Adjustment
 3. Remote Relief Adjustment

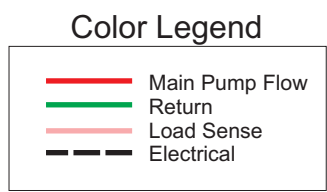


Engine Cooling Fan (Two Solenoid System - SR Drive)

LINCS Logic

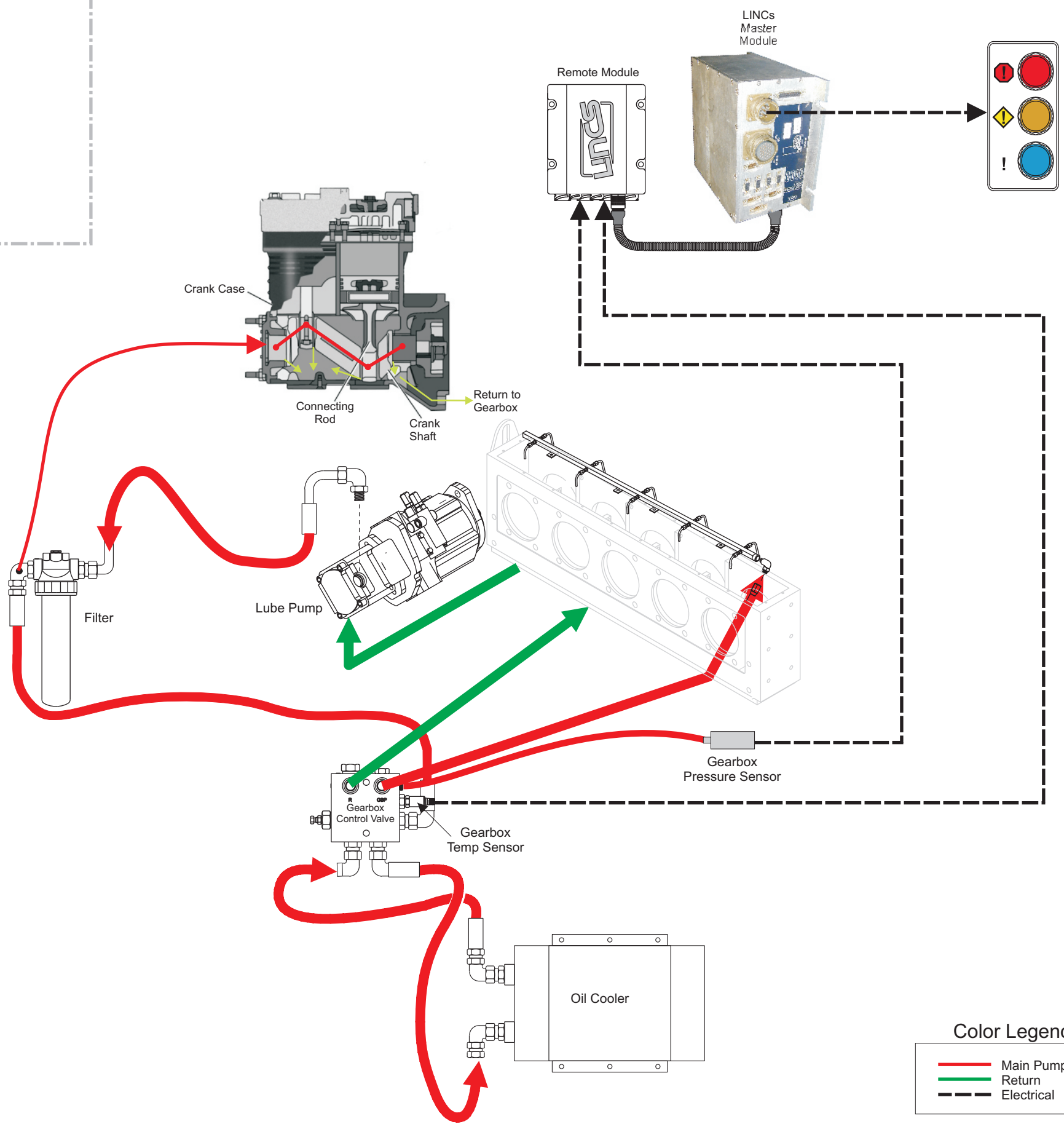
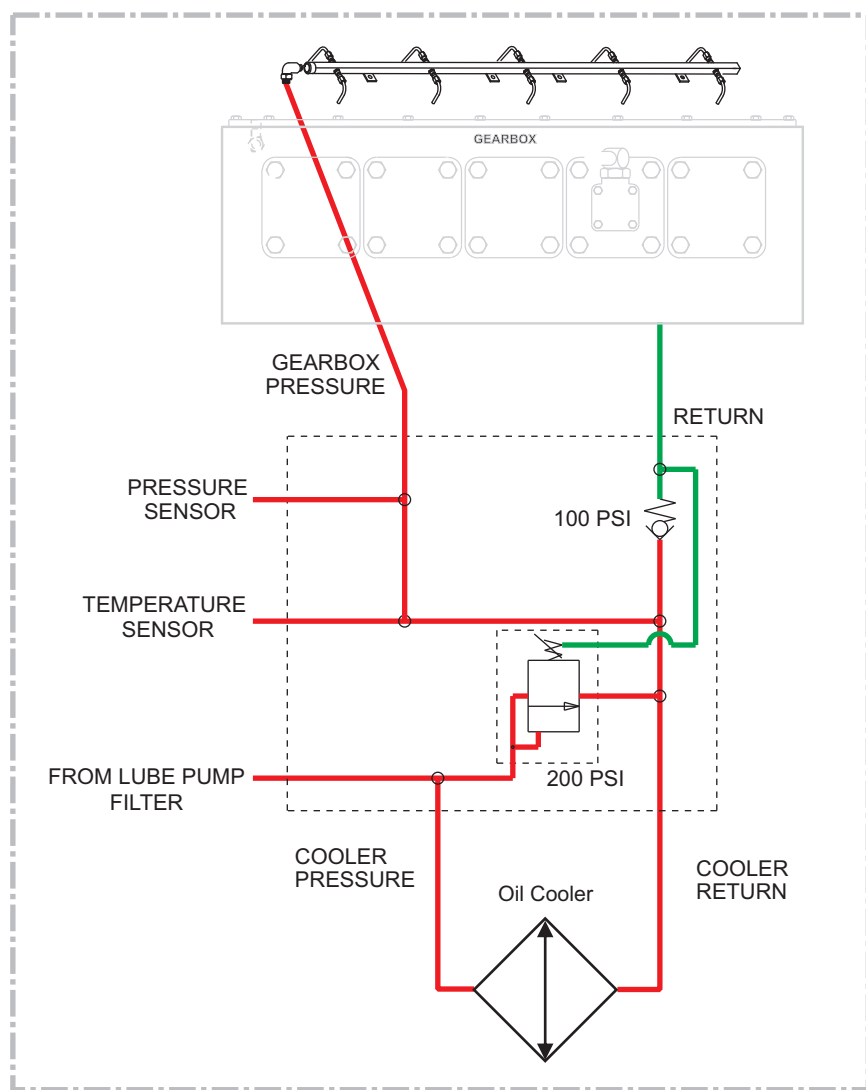
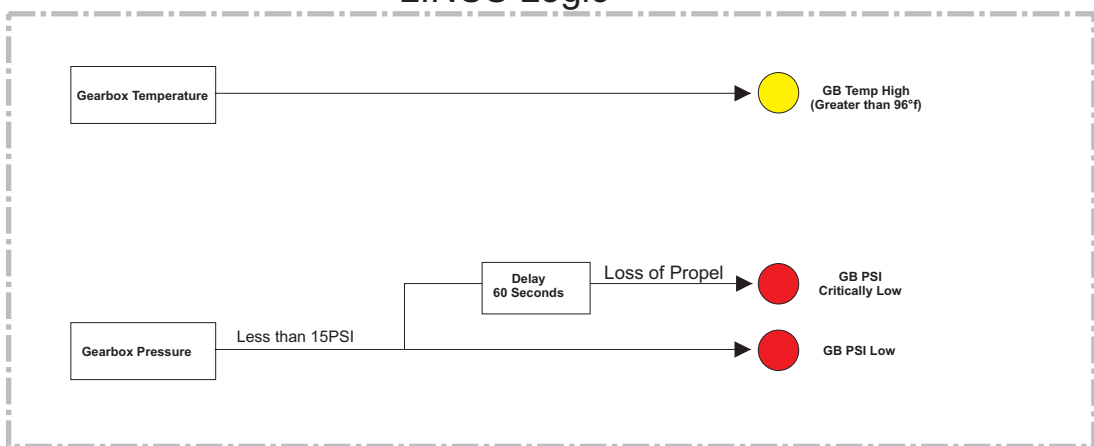


- Hydraulic Adjustments**
1. Compensator Adjustment
 2. Stand By Adjustment
 3. Remote Relief Adjustment



Engine Cooling Fan (One Solenoid System - SR Drive)

LINCS Logic

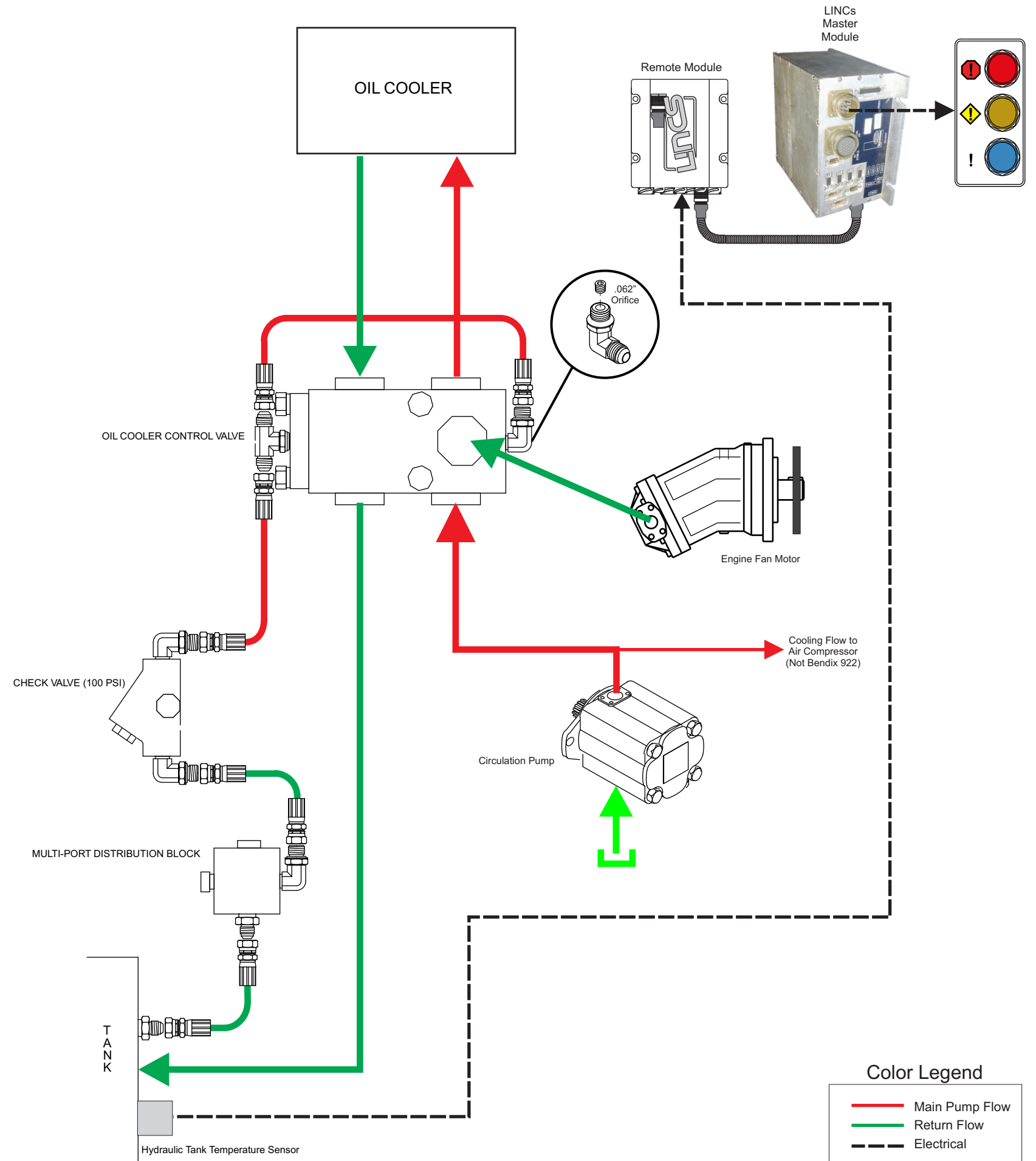
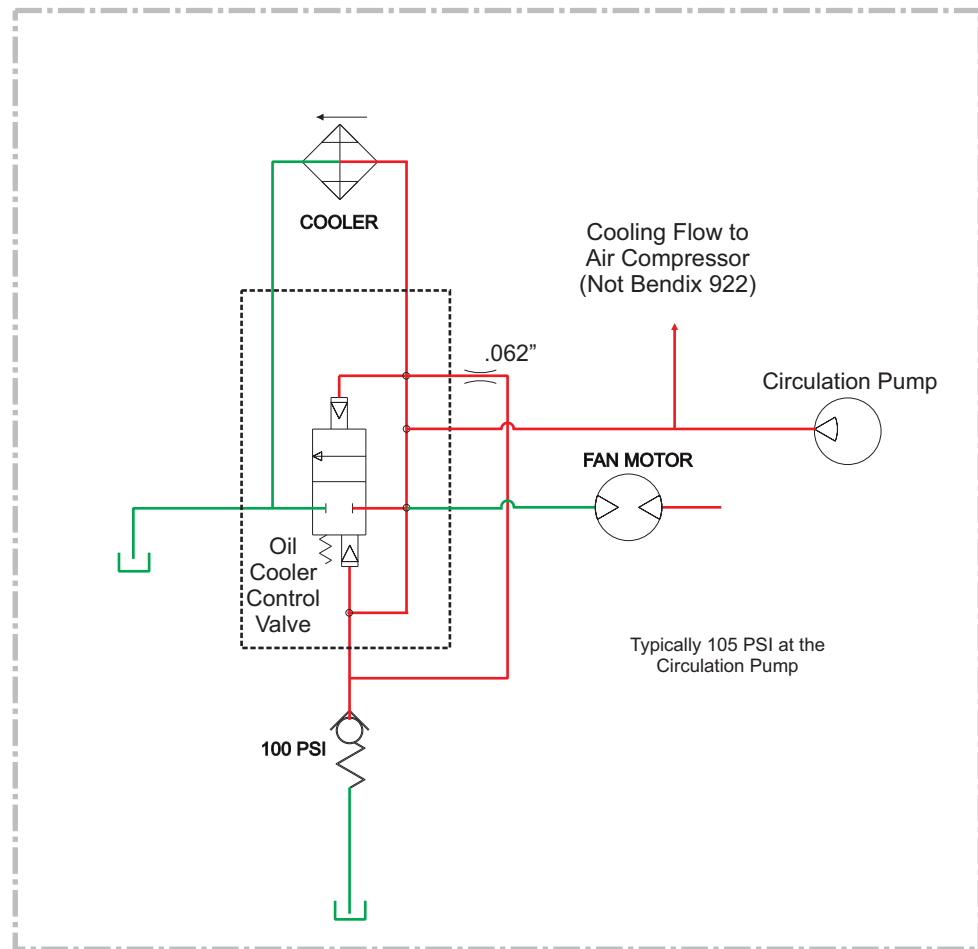
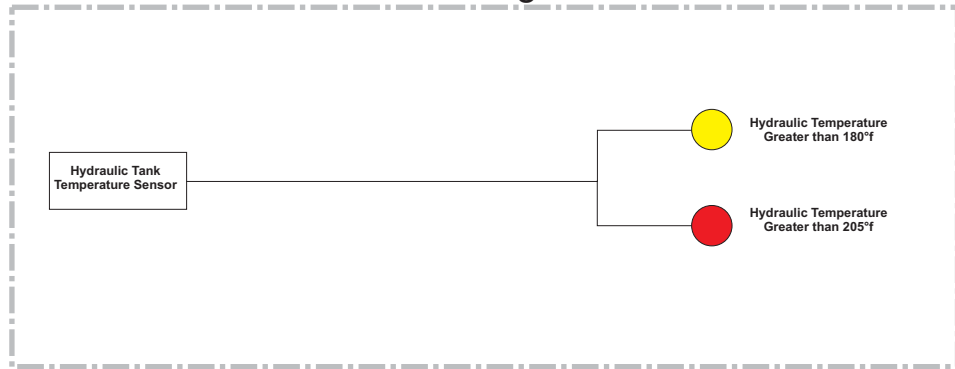


Color Legend

- Main Pump Flow
- Return
- - - Electrical

Gearbox Circulation

LINCS Logic

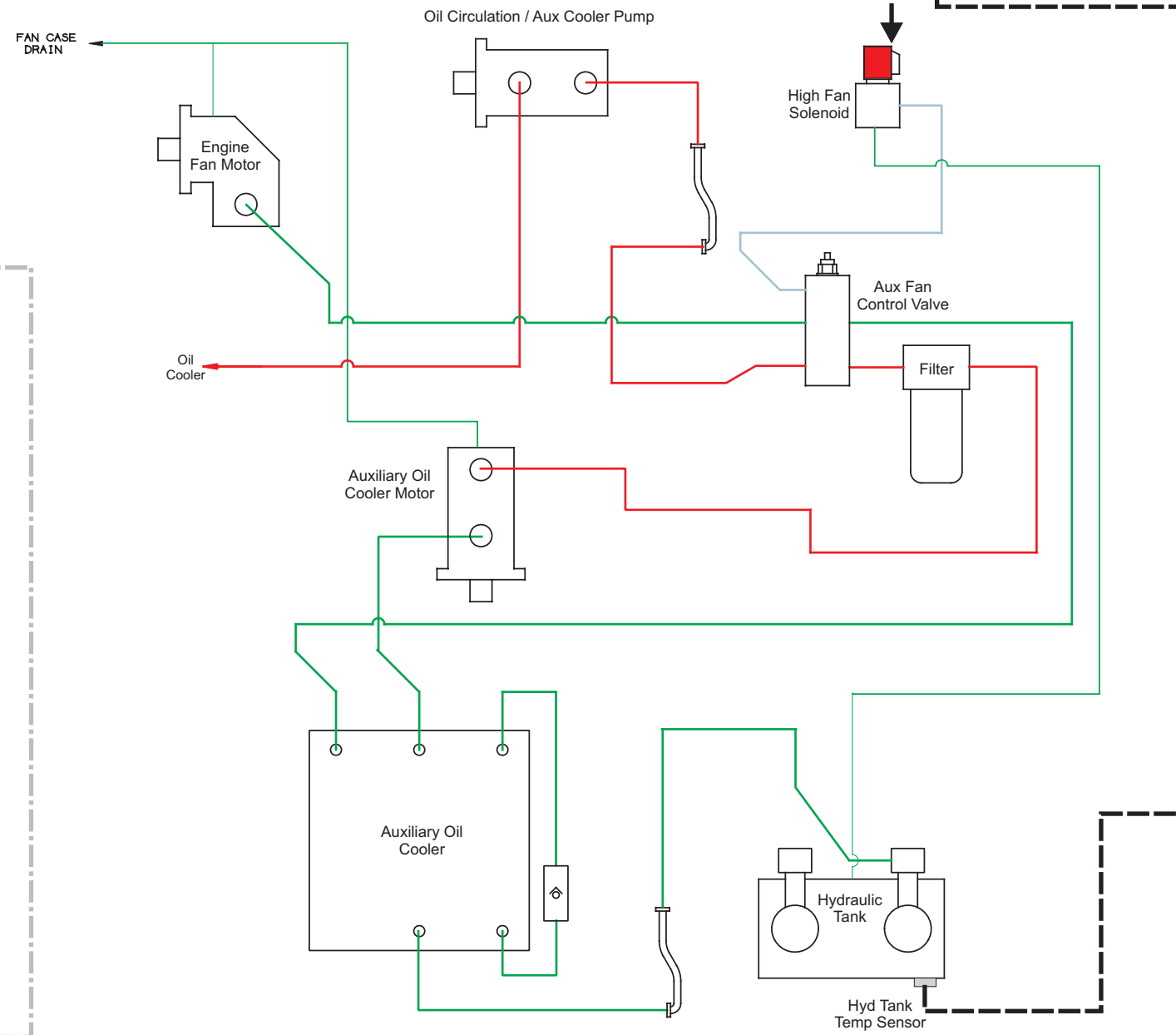
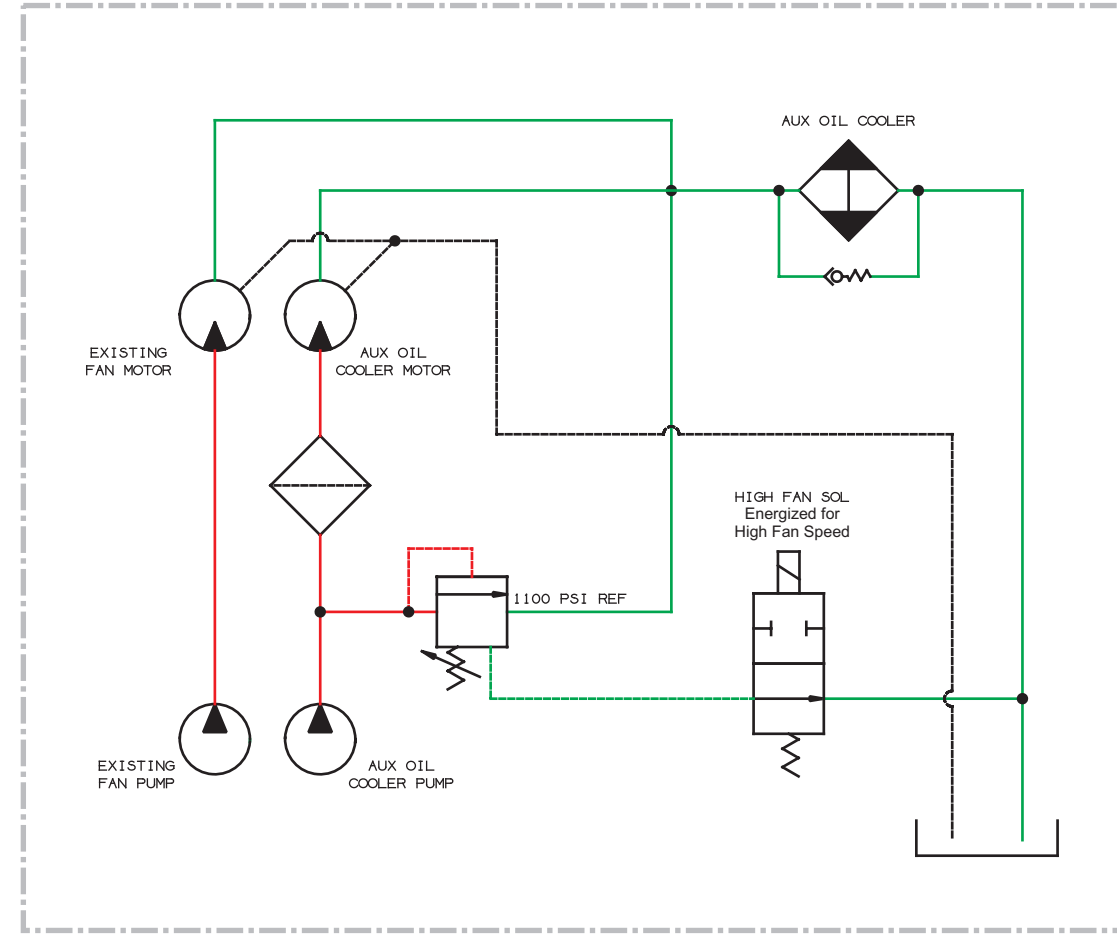
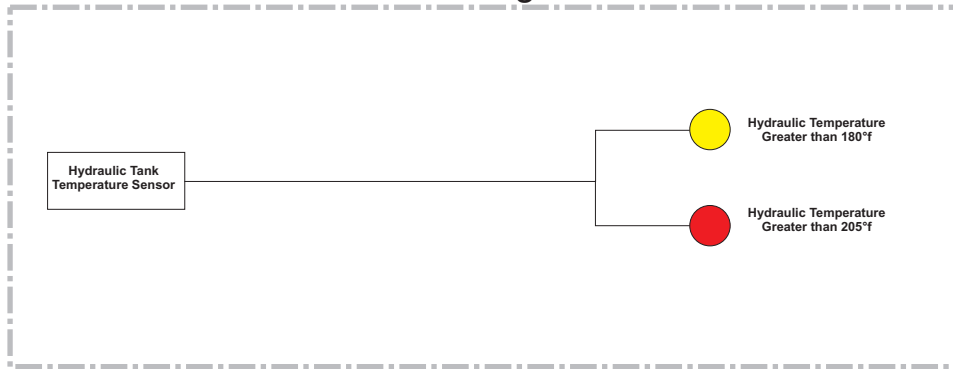


Color Legend

- Main Pump Flow
- Return Flow
- Electrical

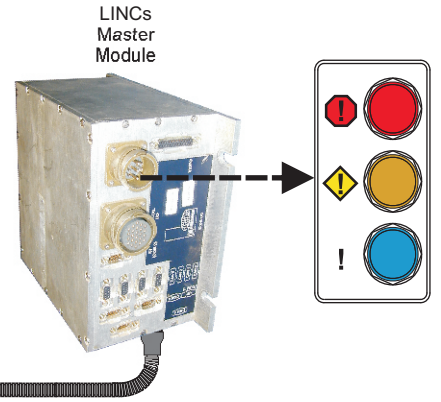
Hydraulic Oil Cooling

LINCS Logic



Color Legend

- Main Pump Flow
- Return Flow
- Vent Function
- - - Electrical



Auxiliary Oil Cooling