

Lubricator Parts and Service Manual

This manual includes model numbers RY-50, MR-75, 240 and 450, 1000.

* All working components are the same

* There are two options for grease application, top of rail greasing or left
right both.

* All lubricators have a one-year warranty

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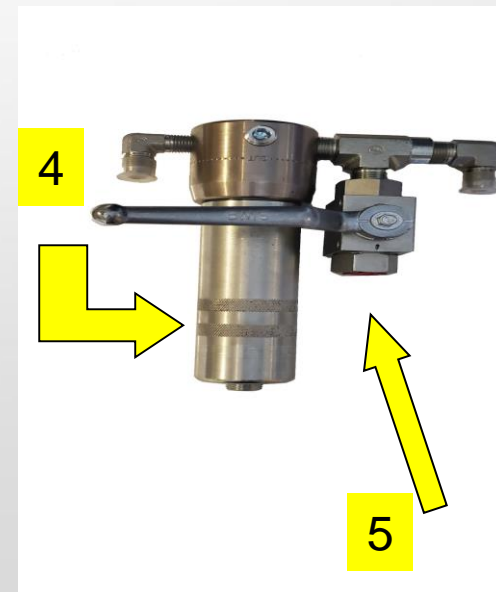
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Glossary

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Filter Assembly

- 1 - 224458 30 Mesh Screen (2 pack)
- 2 - 104361 Canister O-ring
- 3 - 186075 Screen Support
- 4 - 218029 Filter Assembly
- 5 - 1084125, Ball Valve, 3/8"



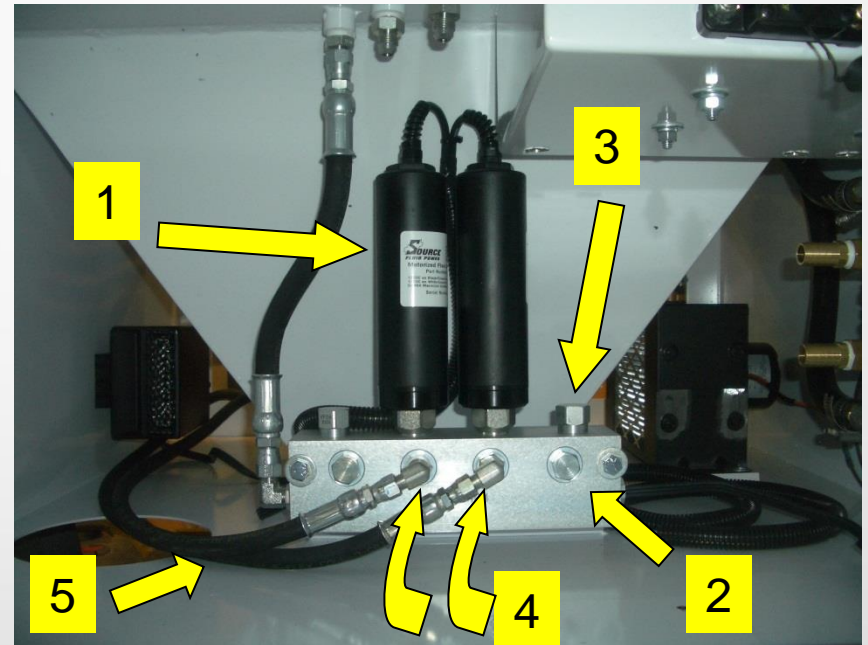
Graco Grease Pump

- 1 - 224-912 Graco Grease Pump
- 2 - 1084125 Ball Valve, 3/8"
- 3 - 223-427 Lower Seal Kit
- 4 - 223-426 Upper Seal Kit



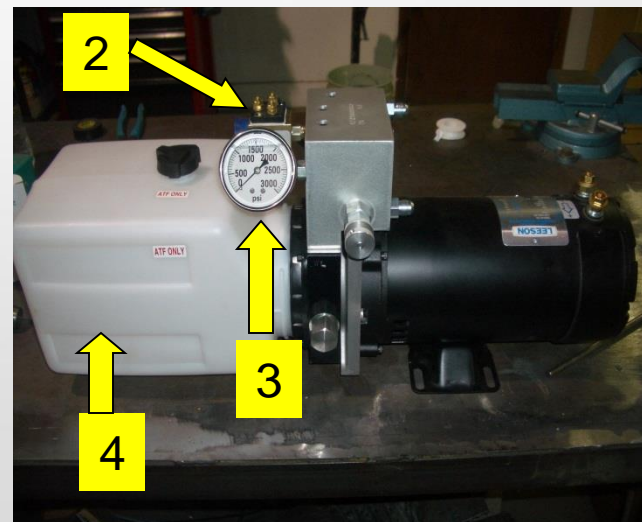
Rotary Valves and Manifold

- 1 - F13AD2B Rotary Valve
- 2 - SFP2564 Manifold
- 3 - XFOAXXN Manifold Plug (L,R- Both Only)
- 4 - 6801-4-6 Hydraulic Fitting
- 5 - 12'-Hose 12' Hydraulic Hose Assembly



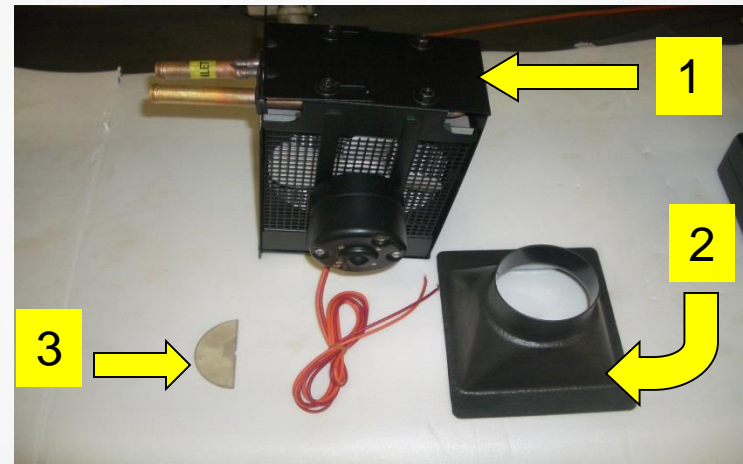
Power Unit

- 1 - CT159B Power Unit Complete
- 2 - WX-1C-1600J Pressure Switch
- 3 - 2.5L-PM-0300 Pressure Gauge
- 4 - K124 Reservoir



Heaters

- 1 - R-254-4 Heater
- 2 - 72R4533 Heater Deflector (Model 450 & 240)
- 3 - RBLHM Half Moon for Deflector (Model 450 & 240)
- 4 - 260-0900 110 Volt Heater
- 5 - 10342 110 Volt Bulkhead Plug
- 6 - 0700599 1 ½ Conduit Ring



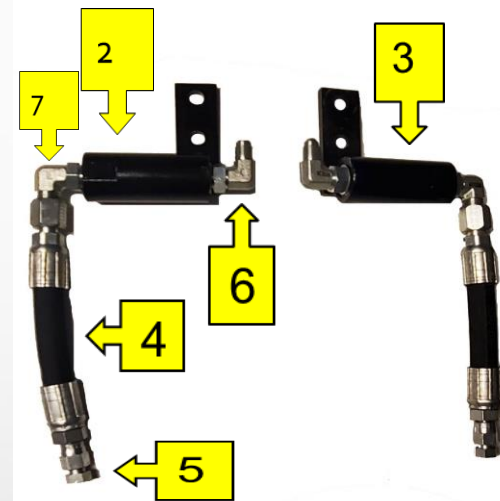
Battery, Breakers and Solenoid

- 1 - 2FFH6-8" J-Bolt (set)
- 2 - BHCB Battery Cross Bar
- 3 - SRM-24 Deep Cycle Interstate Battery
- 4 - SOL500 Solenoid
- 5 - 46989 150-amp Circuit Breaker
- 6 - BTS-1 Battery Tray
- 7 - 16023A Isolator Kit
*Not Equipped on all Vehicles



Left Right Both Greasing, Stand-off

- 1 - BP 100 Backing Plate with Hardware (See, pg. 10)
- 2- NS L/H Nozzle Standoff Left Hand
- 3 - NS R/H Nozzle Stand off Right Hand
- 4 - NUM 6 ½, 6 ½" Nozzle Hose
- 5 - 240804.040 Nozzle Tip (Standard)
- or 240804.063 (optional)
- 6 - 6400-4-6 Fitting
- 7 - 6400-6-6 Fitting



Left Right Both Greasing, Swivel Assembly

- ▶ 1 - BP100 Backing Plate Hardware

- ▶ 2 - SS8FLH Left Hand Swivel

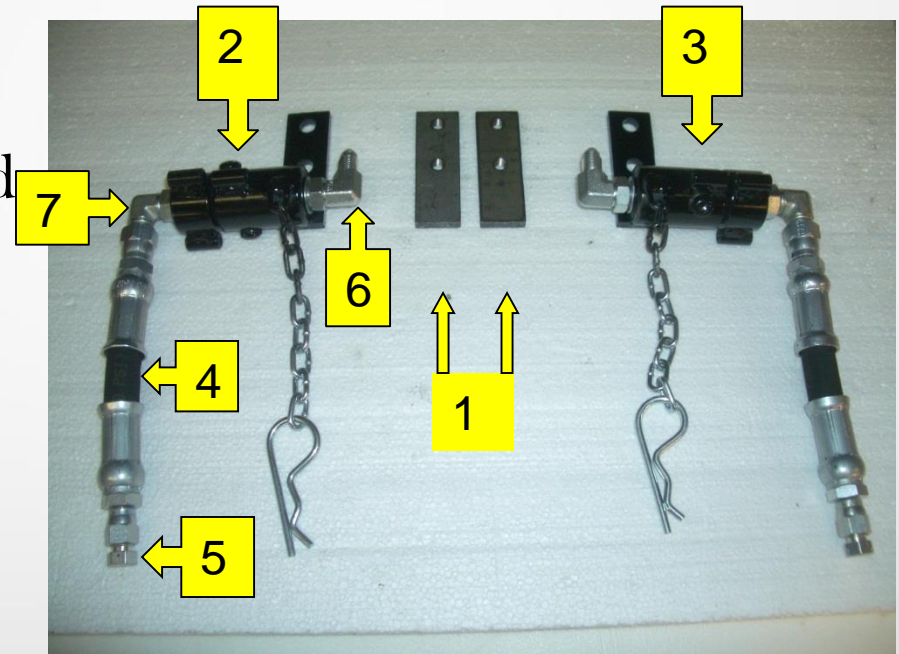
- ▶ 3 - SS8FRH Right Hand Swivel

- ▶ 4 - NUM61/2 Nozzle Hose 6 1/2"

- ▶ 5 - 240804.040 (Standard) Nozzle Tip
- ▶ or 240804.063 (Optional)

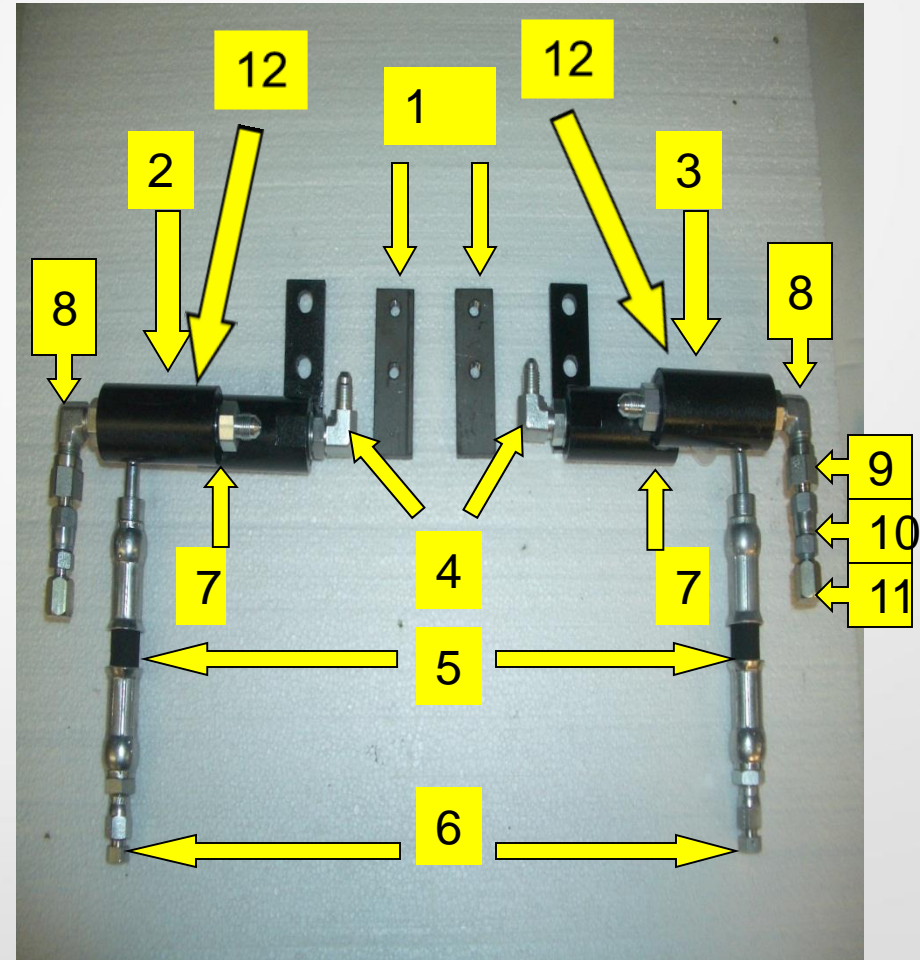
- ▶ 6 - 6801-4-6 Fitting

- ▶ 7 - 6801-6-6 Fitting



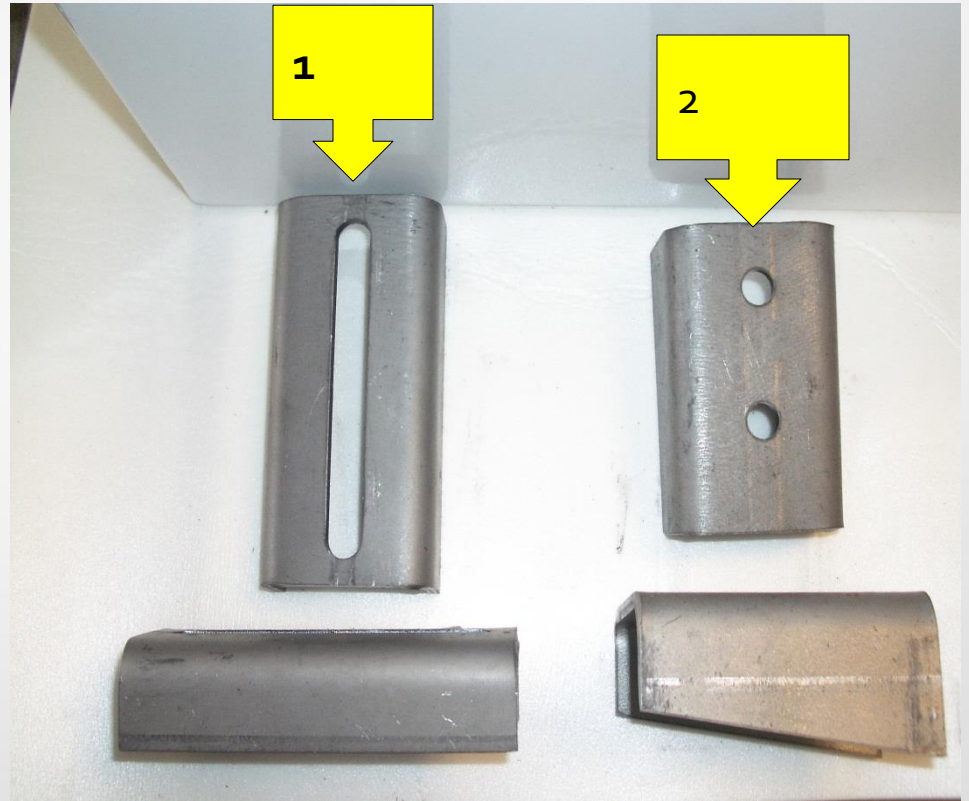
Top of Rail Greasing

- 1 - BP100 Backing Plate, with Hardware
- 2 - TOR-L/H Left hand Nozzle standoff
- 3 - TOR-R/H Right Hand Nozzle Standoff
- 4 - 6801-4-6 Fitting
- 5 - NUM61/2-90T Nozzle Hose
- 6 - 240804.040 Standard) Nozzle Tip
- or 240804.063 (Optional)
- 7 - 6400-4-6 Fitting
- 8 - 6801-6-6 Fitting
- 9 - 2406-6-4 Fitting
- 10 - 6504-4-4 Fitting
- 11 - 30404C.040 Nozzle Tip
- 12 - 6400-6-6 Fitting (Behind, not shown)



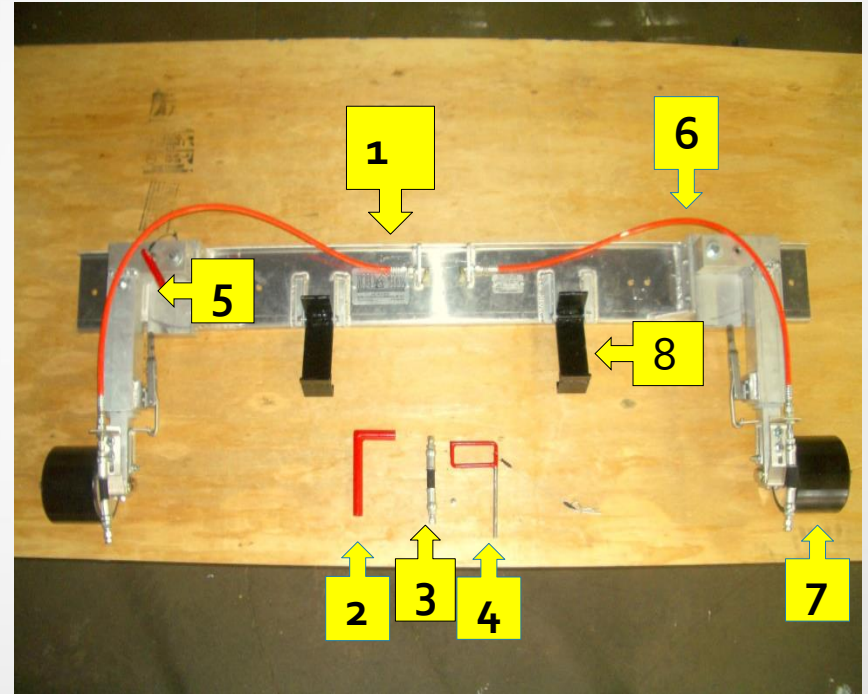
Standoff and Swivel Mounts

- 1- SMC Slotted Mounting Channel
- 2 - BMC Bolt on Mounting Channel



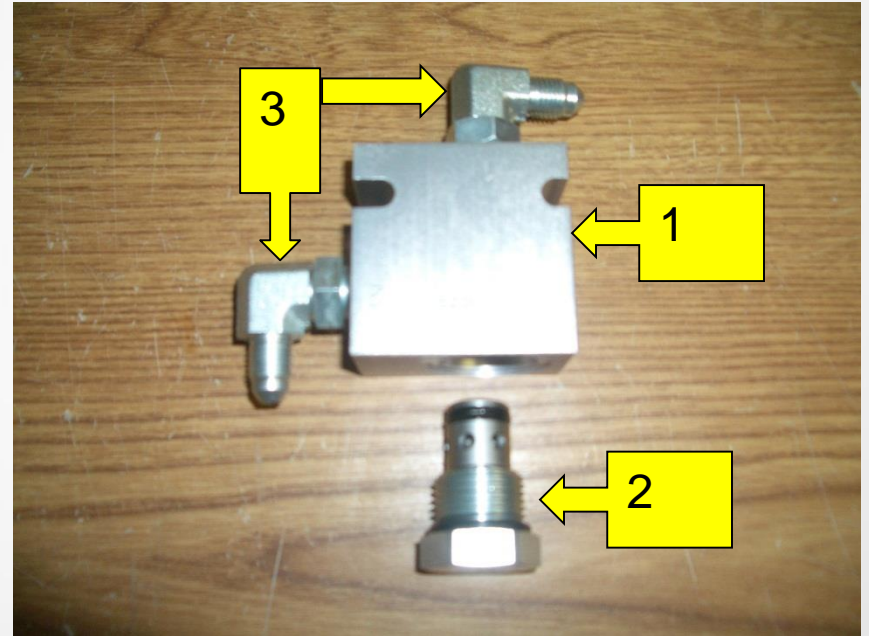
Rollerlube Assembly

- 1- RLB100 Rollerlube Assembly
- 2 - RLB1500 Clamp Handle
- 3 - NUM63/4 Nozzle Hose
- 4 - RLB12 Lock Pin
- 5 - DE-STA-CO351SS Pull Action Clamp
- 6 - 2'NC Non-Con Hose Assembly
- 7 - AL6450 Wheel
- 8 -RLB2100 - Wheel Arm Storage Bracket



Sure Stop Assembly

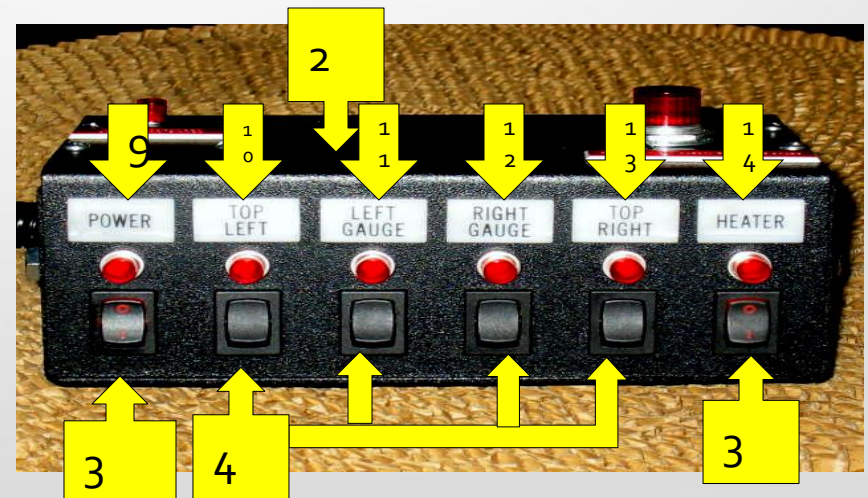
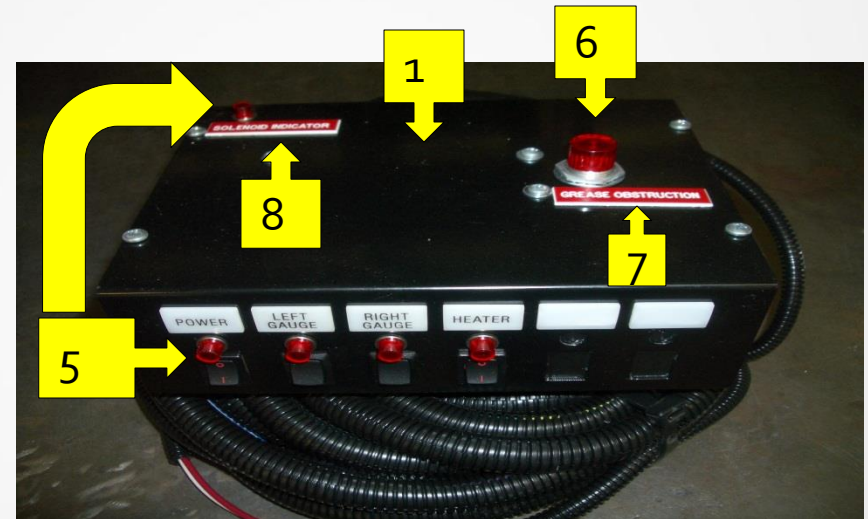
- 1 - SDC10-2-6S Aluminum Body
- 2 - CV10-NP-15-B-00 Check Valve
- 3 - 6801-4-6 Fitting
- 4 - Non-Con Hose Assembly
4' or 6', NC4' or NC6'



Control Panel

- 1- SW300 - LRB Control Panel
- 2 - SW600 - TOR Control Panel
- 3 - 16605B - Power and Heater Switch
- 4 - 16606B - Activation Switch
- 5 - 1460153 - Function Light
- 6 - 378978 - Grease Obstruction Light
- 7 - GREASE-OBST - Grease Obstruction Decal
- 8 - SOLENOID-IND - Solenoid Indicator Light
- 9 - BLANK-POWER - Function Insert
- 10 - BLANK-LEFTTOP - Function Insert
- 11 - BLANK-LEFTGAUGE - Function Insert
- 13 - BLANK-RIGHTGAUGE - Function Insert
- 14 - BLANK-RIGHTTOP - Function Insert
- 15 - CPMB - Control Panel Mounting Bracket **not pictured**

For interior panel parts please contact RBL direct for information and ordering.



Water valve Assembly

- 1 - WVA- MR 75, Water Valve Assembly
- 2 - WVA - Model 240,
- Water Valve Assembly
- * There are Slight Configuration Differences Between the Model 240 & Model 1000, let us know when ordering



Troubleshooting guide

Problem	Probable cause	Possible remedy
1 - Variable greasing	Pump obstruction, grease too thick or debris in tank filtering through system	Graco pump needs to be cleaned and may need seal kit. Grease can be thinned using hydraulic oil. Tank may need to be cleaned to remove all contaminants.
2 - Lubricator slowing to eventual stop	Lubricator battery may be going bad or there may be a charging issue.	Check battery, cables and 150 amp breakers, there are three breakers in the system.
3 - Solenoid indicator light stays on	The solenoid is stuck on.	Must be addressed immediately as the system will continue to run. Solenoid must be replaced when this occurs.
4 - Grease obstruction light comes on solid	There is a blockage somewhere in the system	First open pressure relief to dump system pressure. Start with nozzle tips as they are what plugs most often. If this is not the case call RBL for assistance.
5 - No grease but system is still pumping	Pressure relief could be open or there could be a grease hose leaking.	Check to ensure pressure relief is closed first and then look for damaged lines.
6 - When selecting a function it greases from more than that selection.	Rotary valves could be misaligned or could also be burnt out.	To check alignment they must be removed from system, if you need assistance please call first! If the valve is in fact burnt out it will need to be replaced.
7 - Graco pump does not run	Pressure too low, insufficient ATF flow, plugged supply or return line and also reciprocator could be damaged.	Check power unit to ensure correct pressure. There are other ways to check, call RBL for assistance.

Troubleshooting guide

Problem	Probable cause	Possible remedy
8 - Grease dribbles from nozzle tips	System pressure too low, pressure relief partially open or nozzle tips drilled out to large.	Check pressure gauge on power unit should spike between 550-850. Check pressure relief to ensure it is tightly closed. Replace nozzle tips with either .040 or .063 tips.
9 - Grease funnels at Graco pump	Grease is too thick, either incorrect season mix or formula.	Grease can be thinned with hydraulic oil or even diesel fuel.