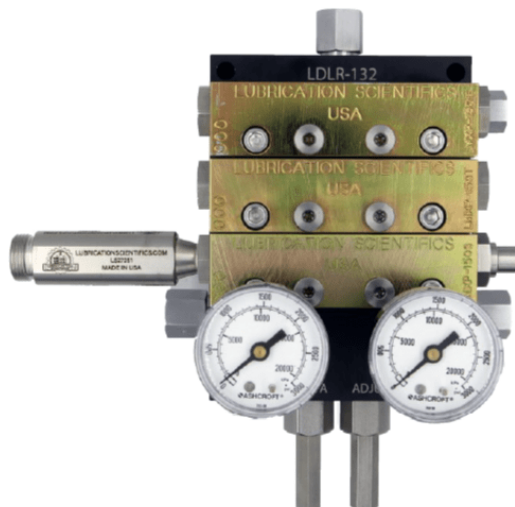


# LDLR-132-000 PRODUCT SPECS AND SERVICE INSTRUCTIONS



## DESCRIPTION:

Lubrication Scientifics' LDLR-132-000 is a robust heavy duty reversing valve. The LDLR-132-000 hydraulically shifts lubricant flow, either grease or oil, from one main line to the other in a Dual Line lubrication system.

Lubricant begins to flow from a pump, through the reversing valve and into a single line in the Dual Line system. Once all valves have shifted in one direction pressure builds opening internal checks in the reversing valve body and shifting lubricant into the second line shifting the valves in the opposite direction and completing one full cycle.

## SPECIFICATIONS

MATERIALS	GOLD PLATED CARBON STEEL VALVES ON ALUMINUM BASEPLATE OPT. 316 STAINLESS STEEL VALVES ON ALUMINUM BASEPLATE
CYCLE LIMIT SWITCH	CONTACT SPDT (LSW-001) OR DPDT (LSW-002) ELECTRICAL RATING: 15AMPS @120V/240V/480VAC 6AMPS /24VDC 0.5 AMPS /125VDC
PROX. SWITCH	CONTACT: SPST FORM A (N/O) TEMPERATURE RANGE: -4°F—176°F ELECTRICAL RATING: 4AMPS /120VAC 2AMPS /240VAC 3AMPS /24VDC
REVERSING PRESS. SETTING	MINIMUM: 1,500PSI FACTORY SETTING: 1,500 PSI MAXIMUM WORKING: 3,500 PSI
VALVE MTG. BOLTS TORQUE	12-13FT/LBS, 1/4" HEX SOCKET BIT

## WARNING!:

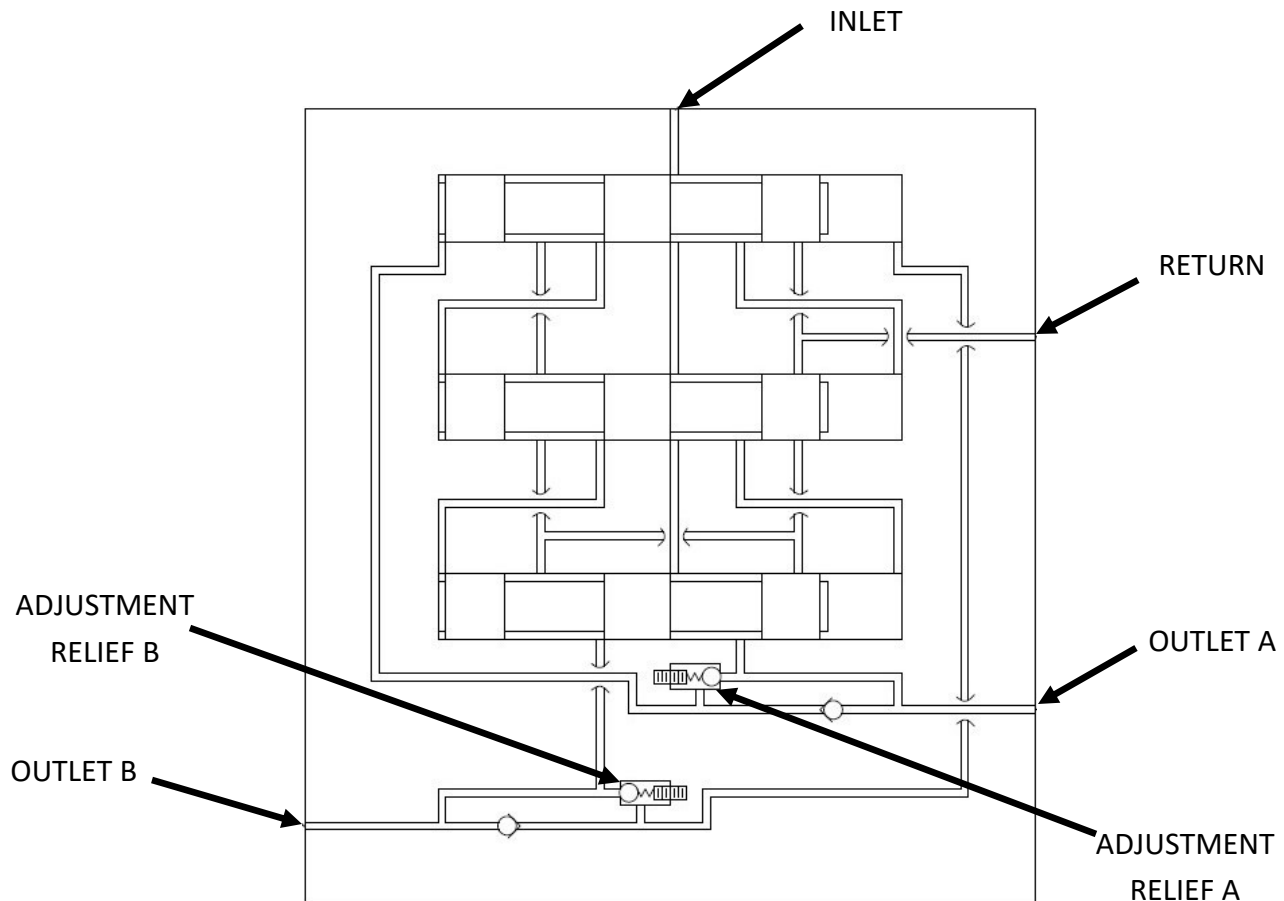
DO NOT EXCEED MAXIMUM WORKING PRESSURE OF SYSTEM. SYSTEMS SHOULD NOT BE IN OPERATION WHILE CONDUCTING ANY ASSEMBLY OR DISASSEMBLY OF COMPONENTS.

**THIS UNIT SHOULD NOT BE USED WITHOUT PROPER FILTRATION**

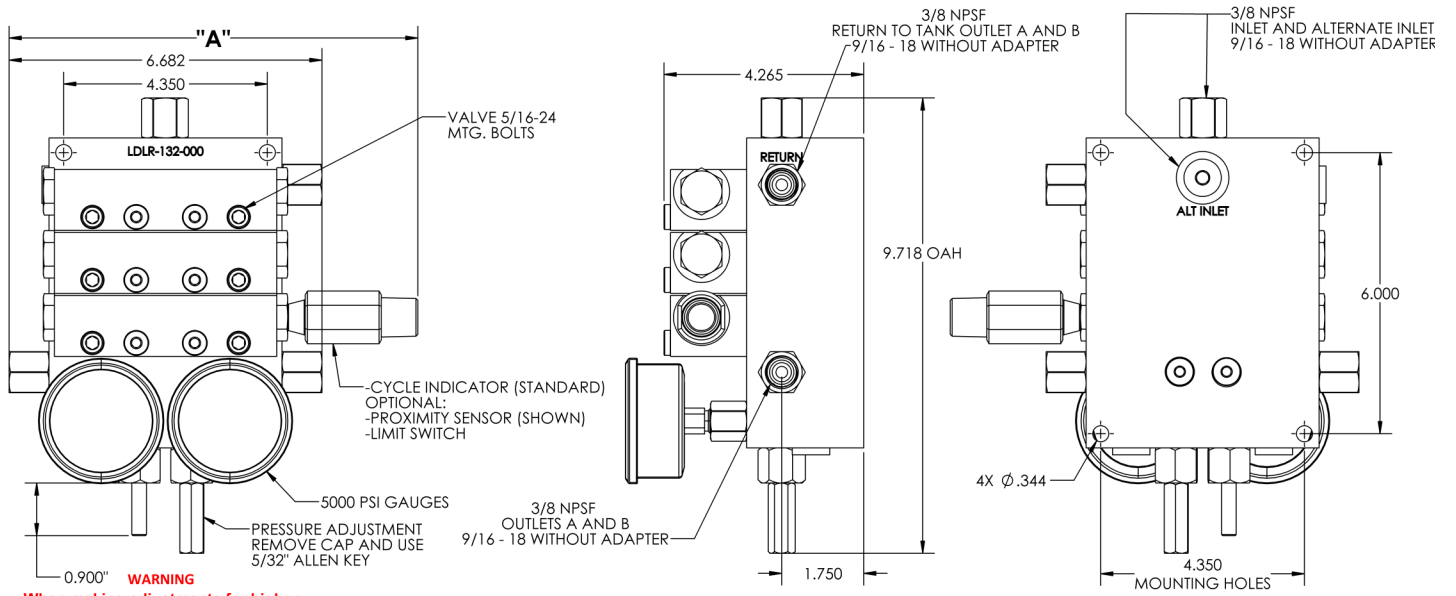
# LDLR-132-000 PRODUCT SPECS AND SERVICE INSTRUCTIONS

## OPERATION:

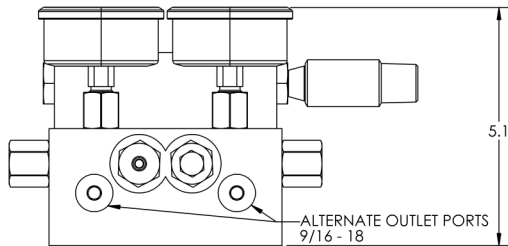
Figure 1 below shows a schematic of the LDLR-132 reversing valve operation. When the system is in operation, the pump will distribute lubricant into the INLET of the reversing valve. The pilot pistons shown below are positioned to allow lubricant to flow through one of the outlet ports (OUTLET A OR OUTLET B). The outlet port supplies lubricant to one line of the dual line metering valves (LDL, MDL or Dual Series progressive). When all valves have completed a half cycle, lubricant pressure begins to rise until it overcomes the adjustment relief pressure setting in that line, either A or B. When the adjustment relief opens, lubricant shifts the pilot pistons and directing flow into the other outlet port (A or B). Lubricant then flows into the second line of the system and shifting the metering dual line valves in the opposite direction, completing one full cycle. Cycle and proximity switches are used to signal a controller as to how many cycles a reversing valve has had and allowing full control of how much lubricant a dual line system will dispense to lubrication points.



# GENERAL DIMENSIONS

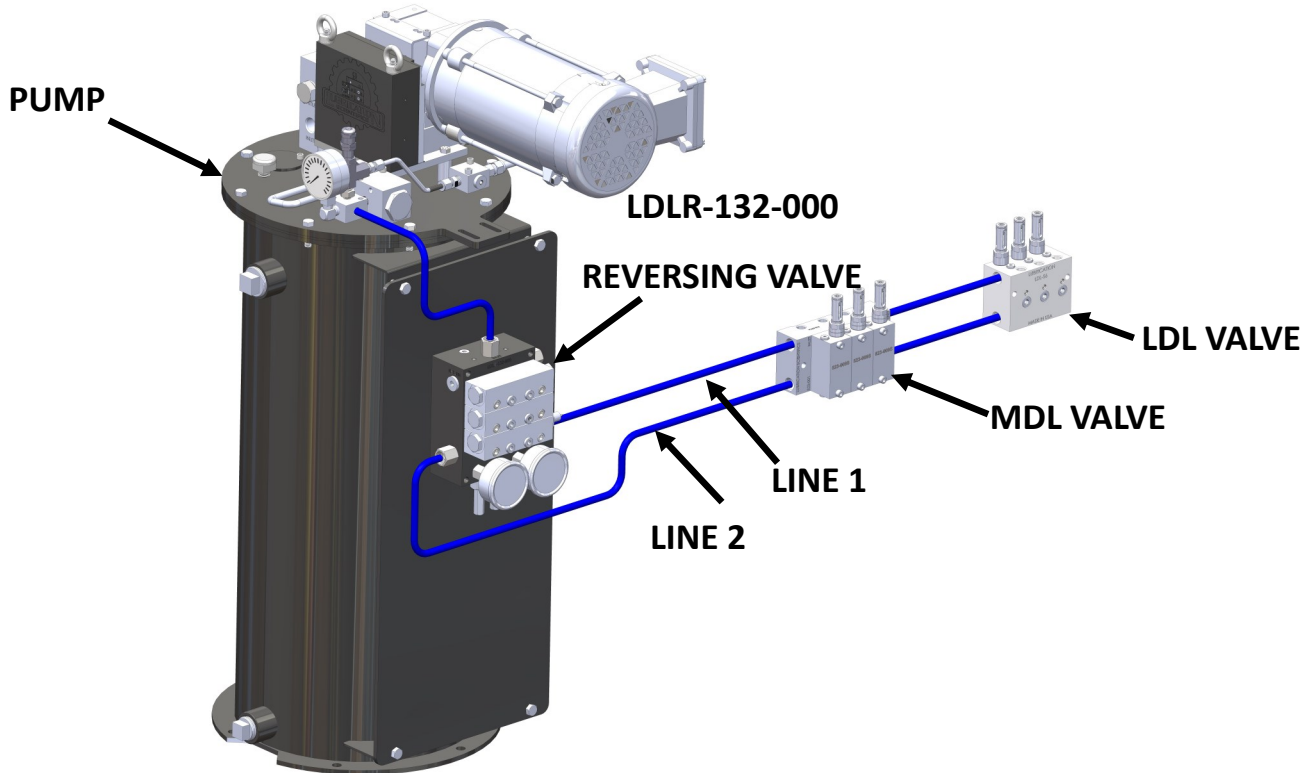


**0.900" WARNING**  
 When making adjustments for higher pressure: do not exceed distance of 0.900 shown or approximately 5 full turns. Operating this unit at less than 0.900 or 5 full turns will void warranty!!



INDICATOR TYPE	DIM "A"
CYCLE INDICATOR PIN	7.000in
PROXIMITY SENSOR	8.75in
LIMIT SWITCH	9.750in

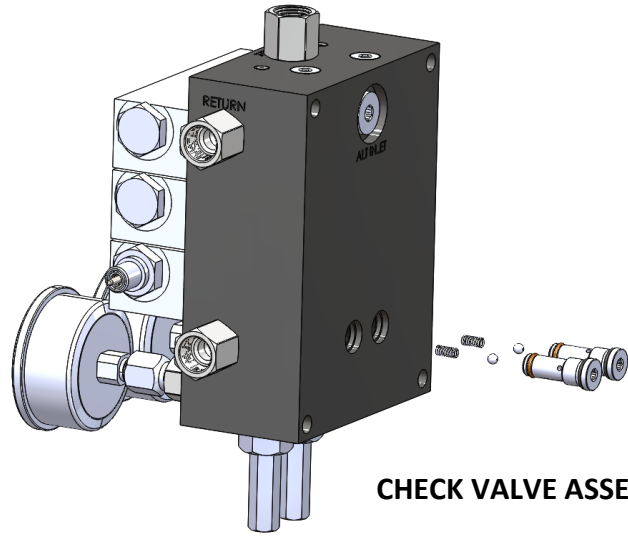
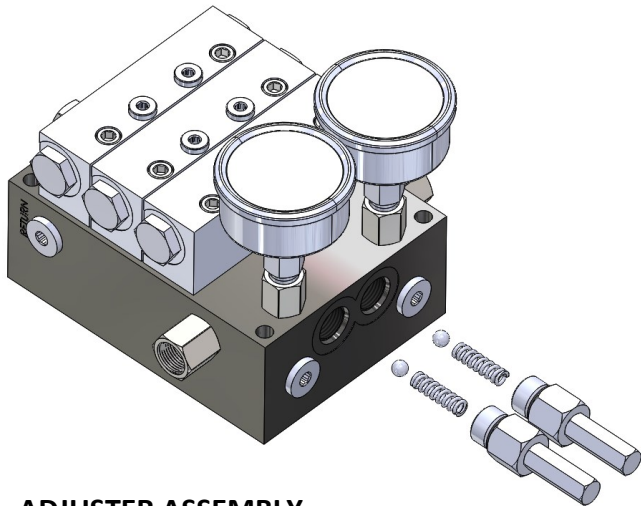
# DUAL LINE SYSTEM EXAMPLE



# LDLR-ADJ-RK—REBUILD KIT

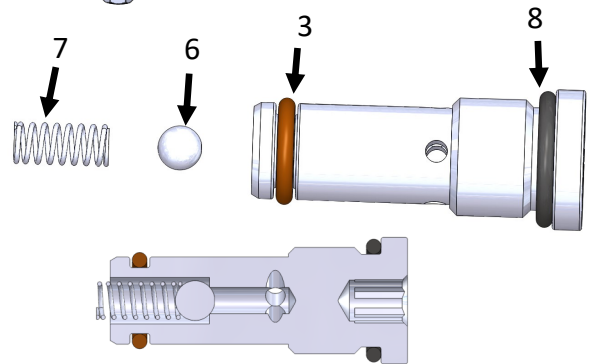
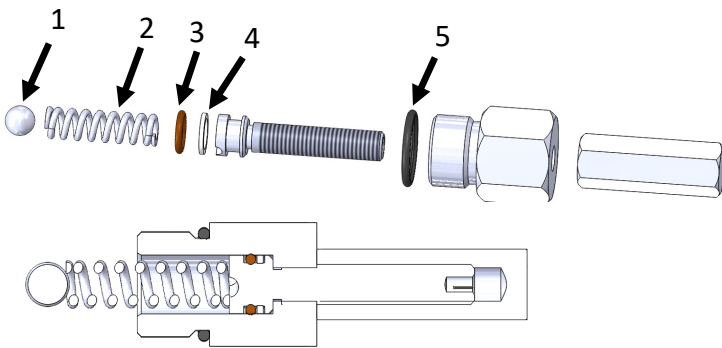
FRONT/BOTTOM

BACK

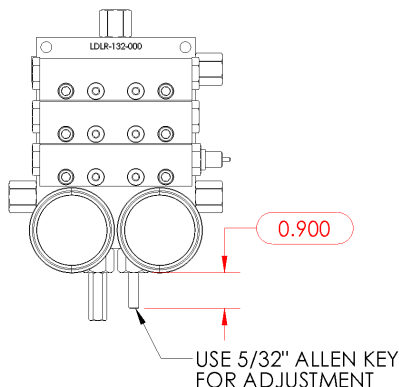


ADJUSTER ASSEMBLY

CHECK VALVE ASSEMBLY



REBUILD KIT NO. LDLR-ADJ-RK				
ITEM	PART NO.	DESCRIPTION	BAG NO.	QTY
1	12662-0028TC	5/16" TUNGSTEN CARBIDE BALL	12-13-14	2
2	12662-0032	LDLR PRESSURE ADJUSTMENT SPRING	12-13-14	2
3	12661-0005	-011 BROWN VITON ORING	9-10-11	4
4	12661-0005BR	-011 TEFLON BACKUP RING	12-13-14	2
5	12661-0022	-908 VITON ORING	12-13-14	2
6	12662-0019TC	3/16" TUNGSTEN CARBIDE BALL	9-10-11	2
7	12662-0034	LDLR CHECK VALVE SPRING	9-10-11	2
8	12661-0038	-013 VITON ORING	9-10-11	2



**WARNING**

**When making adjustments for higher pressure: do not exceed distance of 0.900 shown or approximately 5 full turns.**

**Operating this unit at less than 0.900 or 5 full turns will void warranty!!**