



Model No. 84933, 84934 STUB PUMP Series "B"

5:1 RATIO, OUTPUT -6 GPM
MIN. AIR PRESSURE -40 PSI
MAX. AIR PRESSURE- 200 PSI
MAX. OUTPUT PRESSURE - 1000 PSI

OWNERS MANUAL

IT IS THE RESPONSIBILITY OF THE OWNER AND/OR OPERATOR TO PROPERLY USE AND MAINTAIN THIS EQUIPMENT CAREFULLY READ AND UNDERSTAND THE INSTRUCTIONS AND WARNINGS IN THIS MANUAL BEFORE OPERATING THIS EQUIPMENT.

If the operator is not fluent in English, the instructions and warnings shall be read and discussed in the operator's native language, making sure the operator comprehends the contents.

This equipment complies with OSHA Standards where applicable.

WARNING

DO NOT exceed the stated maximum working pressure of the pump or of the lowest rated component in your system.

DO NOT alter or modify any part of this equipment.

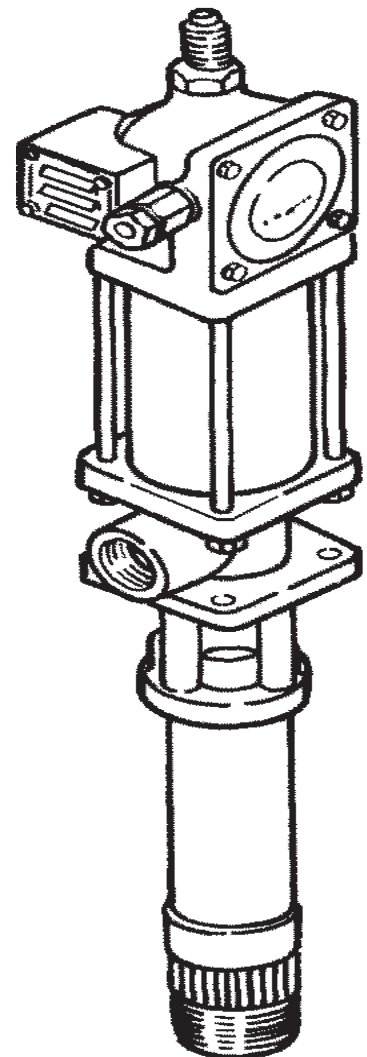
DO NOT operate this equipment with combustible gas.

DO NOT attempt to repair or disassemble the equipment while the system is pressurized.

TIGHTEN all fluid connections securely before using this equipment.
ALWAYS read and follow the fluid manufacturer's recommendations regarding fluid compatibility, and the use of protective clothing and equipment.

CHECK all equipment regularly and repair or replace worn or damaged parts immediately.

IMPORTANT: Failure to heed these warnings including misuse, over pressurizing, modifying parts, using incompatible chemicals and fluids, or using worn or damaged parts, may result in equipment damage and/or serious personal injury, fire, explosion, or property damage.



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WARNING

Pressure Relief Procedure

To reduce the risk of serious bodily injury, including splashing in the eyes or on the skin, always follow this procedure whenever you shut off the Pump, when checking or servicing any part of the system, and when installing, cleaning or changing any part of the system.

1. Disconnect the air to the pump.
2. Point the dispensing valve away from yourself and others.
3. Open the dispensing valve until pressure is relieved.

If you suspect that the dispensing valve or hose is completely clogged, or that pressure has not been fully relieved after following the steps above, **VERY SLOWLY** loosen the hose end coupling and relieve pressure gradually, then loosen completely. Now clear the valve or hose.

INSPECTION INSTRUCTIONS

If overpressurizing of the equipment is believed to have occurred contact the factory authorized warranty and service center nearest you for inspection of the pump.

Specialized equipment and knowledge is required for repair of this pump. Contact the factory authorized warranty and service center nearest you for repairs or adjustments other than maintenance specified in this manual.

Annual inspection is recommended by the factory authorized warranty and service center nearest you.

A list of factory authorized warranty and service centers is available upon request.

DAMAGED PUMPS

Any pump that appears to be damaged in anyway, is badly worn or operates abnormally, shall be removed from use until repairs are made. Contact the factory authorized warranty and service center nearest you for repairs.

OPERATION

Flushing

Flush the supply lines and hoses with compatible solvent and blow dry with air before connecting them to the system. This is to purge any contaminants such as dirt, moisture or metal shavings that could damage the pump or system components

Then flush the pump. The pump was tested in lightweight oil, which was left in to protect the pump from corrosion. Flush the pump before connecting it to the system if the oil could contaminate the fluid you are pumping.

WARNING

When flushing the pump with solvents, to reduce the risk of injury from splashing or static sparking, always hold a metal part of the dispensing valve firmly to the side of a grounded metal pail, and use the lowest possible fluid pressure when flushing.

WARNING

This pump can develop 1000 PSI maximum working pressure, at 200 PSI maximum incoming air pressure. Be sure that all equipment and accessories are rated to withstand the maximum working pressure of this pump. **DO NOT** exceed the maximum working pressure of any component or accessory used in the system.

In a circulating system, the pump runs continuously and slows down or speeds up as supply demands, until the air supply is shut off

In a direct supply system, with adequate air pressure supplied to the motor, the pump starts when the gun or dispensing valve is opened and stalls against pressure when it is closed. If the pump accelerates quickly or is running too fast, stop it immediately. Check the fluid supply and refill it if necessary. Prime the pump to remove all air from the system, or flush the pump and relieve pressure.

MAINTENANCE

WARNING

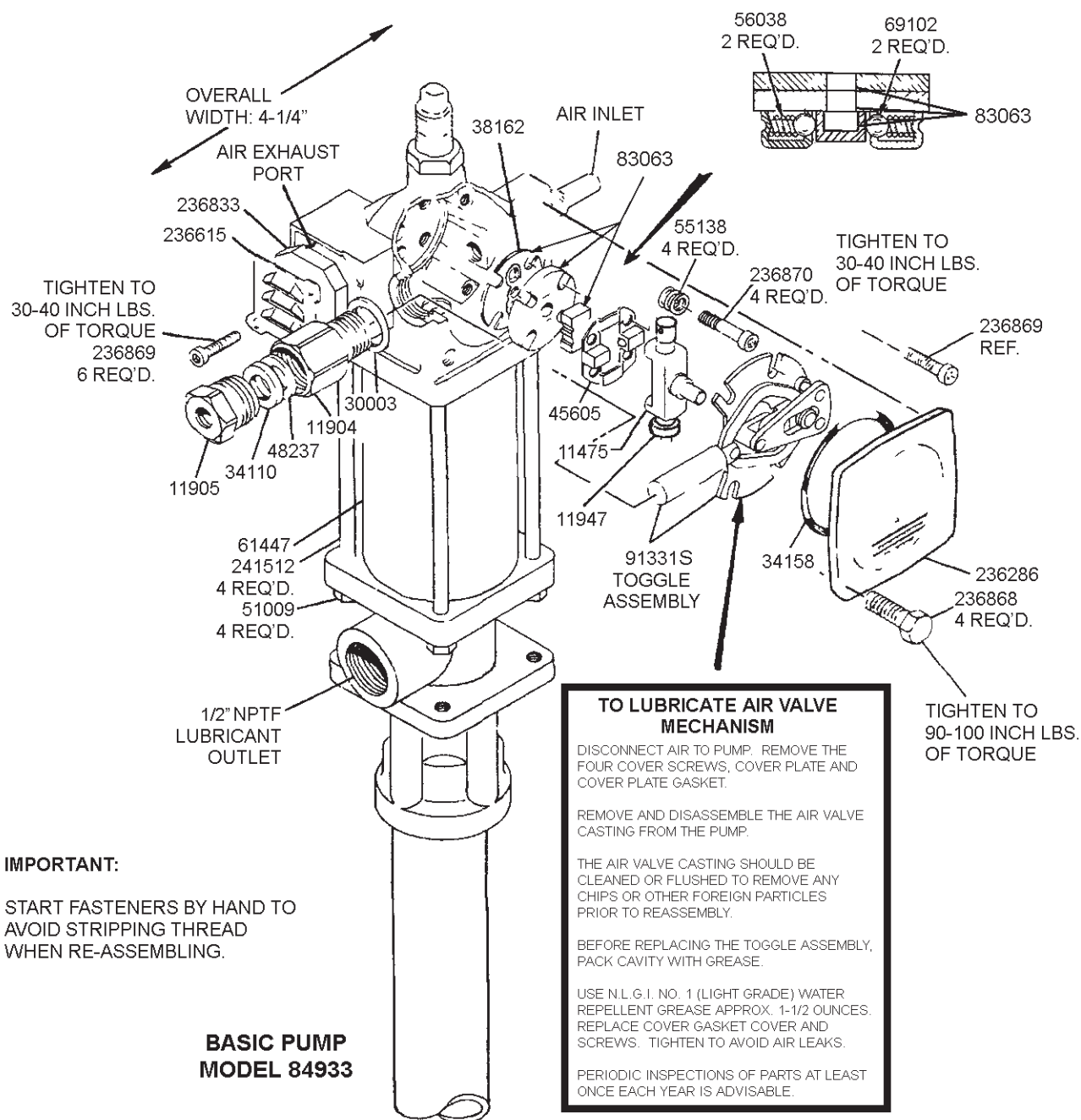
Always follow the Pressure Relief Procedure Warning whenever you stop spraying and before checking or repairing any part of the system, to reduce the risk of serious bodily injury.

If you are pumping fluid which dries, hardens or sets up, flush the system with a compatible solvent as often as necessary to prevent a buildup of dried fluid in the pump or hoses.

Corrosion Protection for Carbon Steel Pumps

CAUTION

Water, or even moist air, can cause your pump to corrode. To help prevent corrosion, **NEVER** leave the pump filled with water or air. After normal flushing, flush the pump again with mineral spirits or oil-based solvent, relieve pressure, and leave the mineral spirits in the pump. Be sure to follow all steps of the Pressure Relief Procedure Warning.



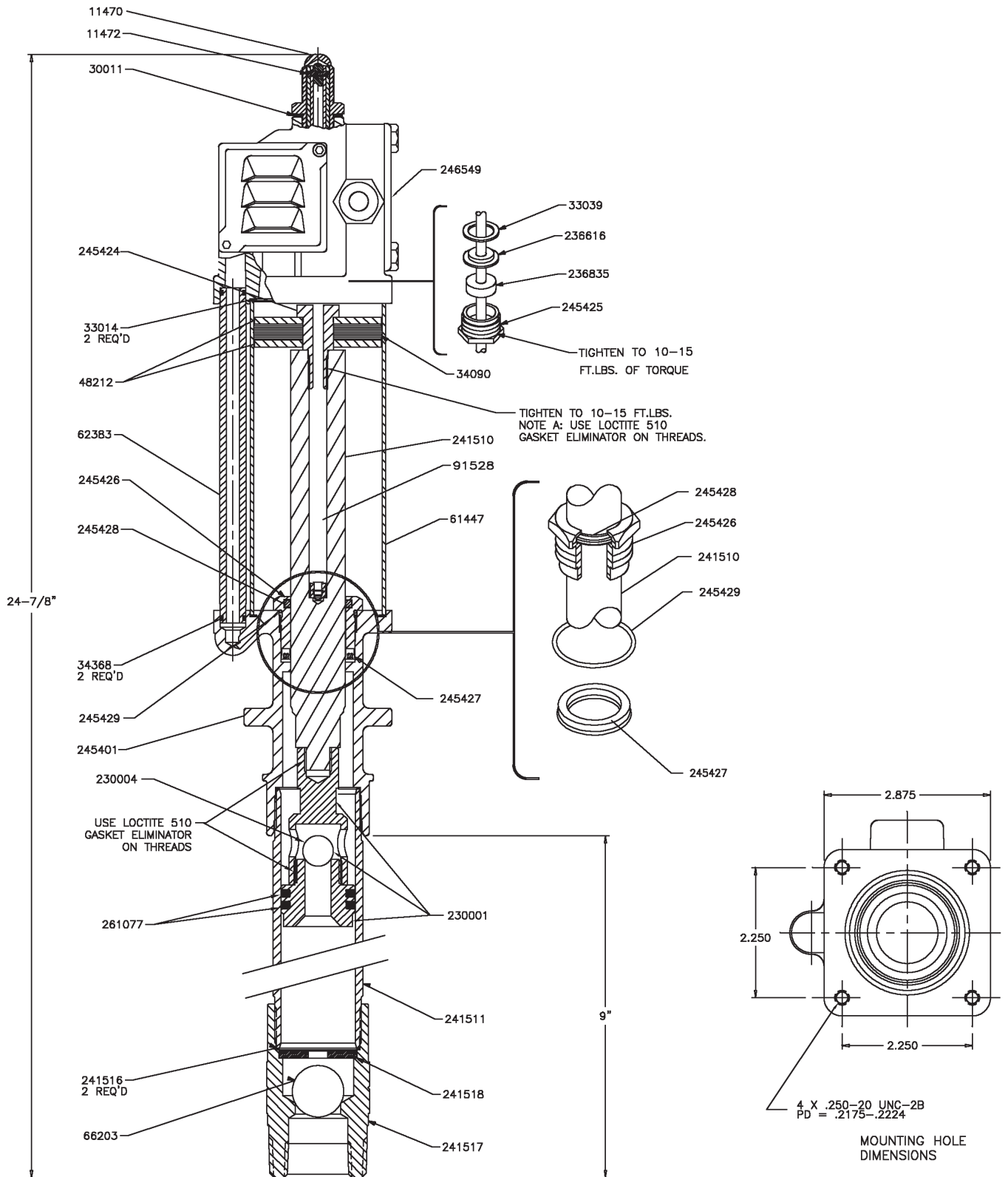
DISASSEMBLY PROCEDURE

1. Remove 11470 Valve Cap, 11472 Trip Rod Pin.
2. Unscrew four 51009 Nuts from 241512 Tie Rods and lift 236612 Air Valve Casting off of 61447 Air Cylinder.
3. Remove 11904 Packing Nut and 11905 Packing Cap from air valve casting.
4. Remove four 236868 Screws 236286 Cover.
5. Remove four 236869 Screws Toggle Plate and 11475 Trip Assembly and 11947 Trip Sleeve.
6. Remove four 236870, 55138 Springs, 45605 Valve Guide Plate and 83063 Valve Slide and Seat kit and 38162 Valve Gasket.
7. Unscrew 245425 Trip Rod Packing Nut from air valve casting and remove all packing parts.
8. Unscrew 241511 PumpTube from 245401 Outlet Casting.
9. Remove 61447 Air Cylinder and 62383 Air Passage Tube from outlet casting.

10. Place wrenches on both 245424 Piston Bolts (one at end of 241510 Piston Rod) and loosen.
11. Remove air piston, pump piston, piston rod and trip rod from outlet casting.
12. Unscrew 245426 Gland Packing Nut from outlet casting and remove all gland seal parts.
13. To reassemble reverse procedure.

Note: If complete disassembly is required, replace all gaskets, o-rings & packings. (Order Repair Kit.)

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© Indicates change

SERVICE PARTS

Part	Description	Part	Description	Part	Description
815	AIR COUPLER	48237	PACKING WASHER	*236616	GASKET (BRASS)
11348	OUTLET ADAPTER	50060	HEX BOLT	236833	MUFFLER
11470	VALVE CAP	51009	NUT	*236835	PACKING (BUNA-N)
11471	TRIP ROD COLLAR	**55138	SPRING	*236868	SCREW
*11472	TRIP ROD PIN	*56038	SPRING	236869	SCREW
11475	TRIP SHOE ASSEMBLY	61447	AIR CYLINDER	236870	VALVE SEAT SCREW
11478	KNURLED LOCK NUT	62383	AIR PASSAGE TUBE	*241509	SEAL
11659	AIR NIPPLE	66203	STEEL BALL	241510	PISTON ROD
11904	PACKING NUT	69102	STEEL BALL	241511	PUMP TUBE
11905	PACKING CAP	72024	AIR HOSE	241512	TIE ROD
11947	TRIP SLEEVE	73024	LUBRICANT HOSE	*241516	PUMP TUBE GASKET
*30003	PACKING NUT GASKET	83063	SLIDE & SEAT KIT	241517	FOOT VALVE BODY
*30011	VALVE CAP GASKET	84538	BUNG BUSHING	241518	BALL STOP
*33014	GASKET	85935	PUMP COVER ASSEMBLY	241584	ADAPTER
*33039	GASKET	91331S	TOGGLE PLATE	245401	OUTLET CASTING
34090	AIR PISTON PACKING	91528	TRIP ROD	245424	PISTON BOLT
*34110	PACKING (BUNA-N)	236286	COVER	245425	PACKING NUT
*34158	O-RING (NEOPRENE)	*** * 230002©	PISTON	245426	GLAND NUT
*34368	O-RING (BUNA-N)	*** * 230003©	CONNECTOR	*245427	U-CUP
38162	VALVE GASKET	* * 230004©	BALL CHECK	*245428	O-RING
45605	VALVE GUIDE PLATE	236612	AIR VALVE CASTING	*245429	O-RING
48212	AIR PISTON WASHER	236615	MUFFLER COVER	*261077	PACKING (BUNA-N)

* Included in 230015 Repair Kit

** Included in 83063 Valve Seat Assembly

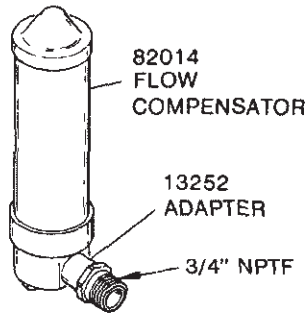
*** Included in 230001 Piston Replacement Kit©

TROUBLESHOOTING

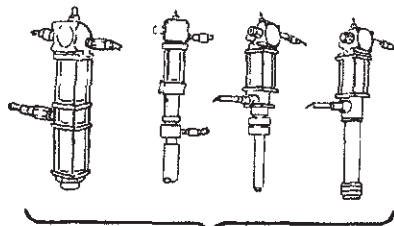
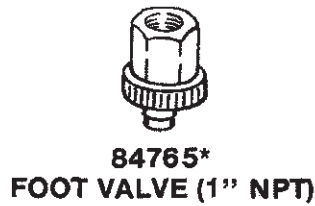
Problem	Solution
1 Airmotor does not operate	Check air supply to pump Replace 11475 Trip Shoe Assembly, 11947 Trip Sleeve and 91331 Toggle Plate
2. Air seepage from air exhaust while pump is not operating.	Replace 11482 Valve Slide, 14919 Valve Seat 38162 Valve Gasket, 236835 Trip Rod Packing and 236616 Gasket and 33039 Gasket.
3 Loss of pressure, volume or continuous operation of pump when not in normal use.	Clean piston seat and ball foot valve If Worn or Damaged: ©Replace 230002 piston, 230004 ball check and 261077 piston packing. Check inside diameter of 241511 Pump Tube, if scored replace pump tube.
4. Excessive amount of air in lubricant or excessive amount of lubricant coming from air exhaust. Note: Some lubricant exhausts with air normally.	Replace 245427 Gland Packing.

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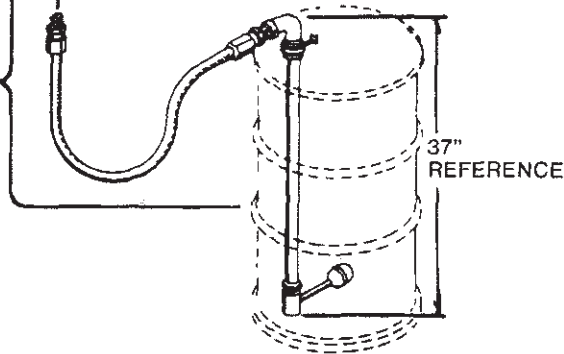
ACCESSORIES (Must be purchased separately).



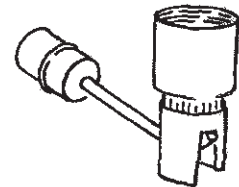
**84600 FLOW
COMPENSATOR KIT**



***84945
SUCTION
KIT**

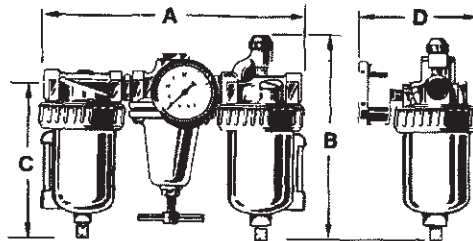


**MODEL 84940*
WALL MOUNT BRACKET KIT**



***MODEL 84946 (1" NPT)
MODEL 82439 (1 1/2" NPT)
LOW LEVEL CUT-OFF**

FILTER—REGULATOR & GAUGE—LUBRICATOR



Model	Pipe Size	A	B	C	D	Weight (lbs.)
83387-4	1/4"	8 3/4"	7 1/8"	5 1/8"	4 1/8"	5.5
83387-6	3/8"	8 3/4"	7 1/8"	5 1/8"	4 1/8"	5.5
83387-8	1/2"	10 3/4"	8 1/8"	5 3/4"	4 3/4"	8.5

***NEW
MODELS**

Lincoln Industrial Standard Warranty

LIMITED WARRANTY

Lincoln warrants the equipment manufactured and supplied by Lincoln to be free from defects in material and workmanship for a period of one (1) year following the date of purchase, excluding there from any special, extended, or limited warranty published by Lincoln. If equipment is determined to be defective during this warranty period, it will be repaired or replaced, within Lincoln's sole discretion, without charge.

This warranty is conditioned upon the determination of a Lincoln authorized representative that the equipment is defective. To obtain repair or replacement, you must ship the equipment, transportation charges prepaid, with proof of purchase to a Lincoln Authorized Warranty and Service Center within the warranty period.

This warranty is extended to the original retail purchaser only. This warranty does not apply to equipment damaged from accident, overload, abuse, misuse, negligence, faulty installation or abrasive or corrosive material, equipment that has been altered, or equipment repaired by anyone not authorized by Lincoln. This warranty applies only to equipment installed, operated and maintained in strict accordance with the written specifications and recommendations provided by Lincoln or its authorized field personnel.

THIS WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

In no event shall Lincoln be liable for incidental or consequential damages. Lincoln's liability for any claim for loss or damages arising out of the sale, resale or use of any Lincoln equipment shall in no event exceed the purchase price. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, therefore the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights. You may also have other rights that vary by jurisdiction.

Customers not located in the Western Hemisphere or East Asia: Please contact Lincoln GmbH & Co. KG, Walldorf, Germany, for your warranty rights.

Lincoln Industrial Contact Information

To find Lincoln Industrial's Nearest Service Center call the following numbers, or you may also use our website

Customer Service 314-679-4200

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: part Number, Description, Model Number, and series Letter. LINCOLN provides a Distributor Network that stocks equipment and replacement parts.