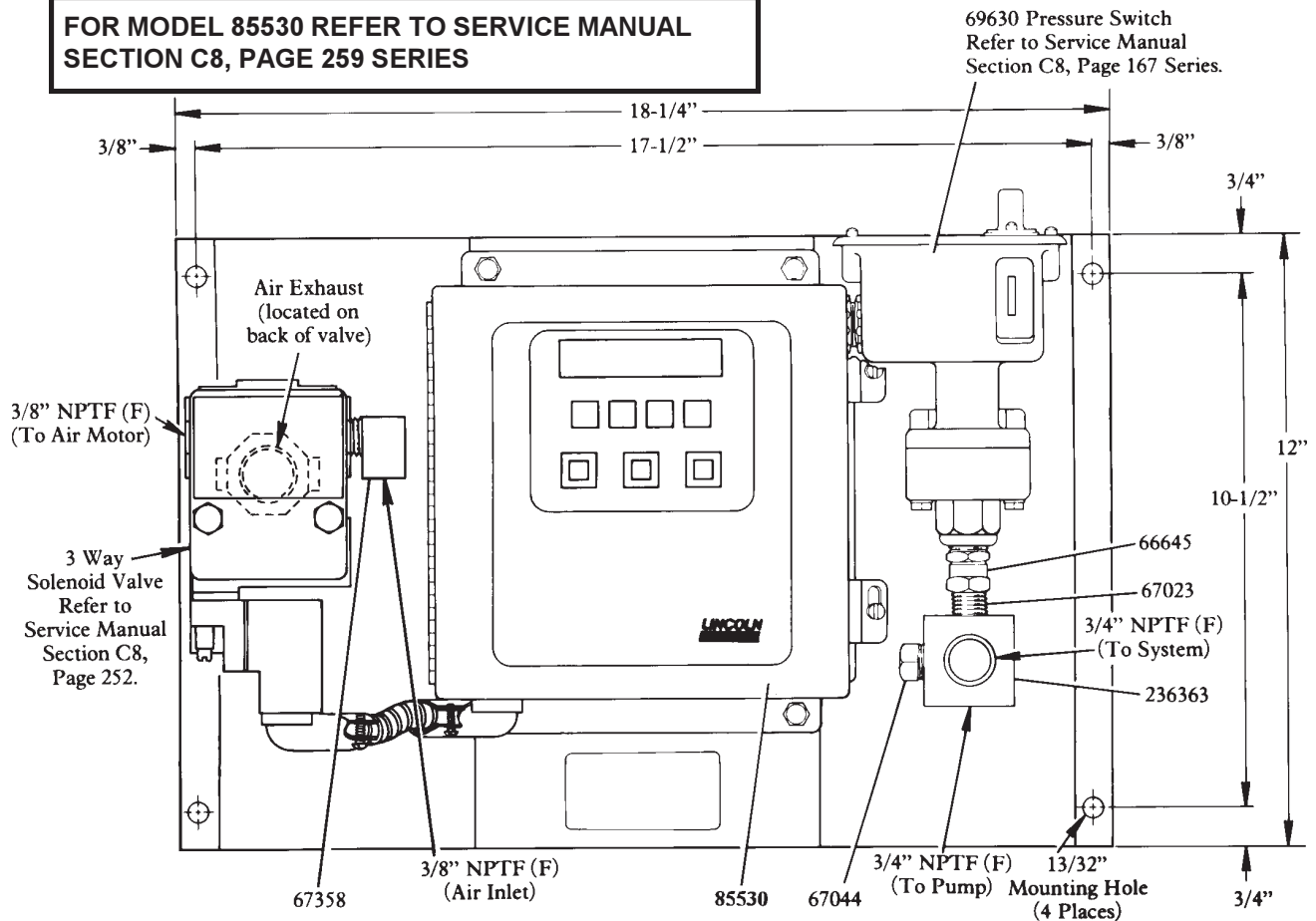


**FOR MODEL 85530 REFER TO SERVICE MANUAL
SECTION C8, PAGE 259 SERIES**



DESCRIPTION

The 85208 and 85209 Control Panels incorporate a solid state controller with a liquid crystal display and signal lights on the controller door. Used on systems where airmotor-driven pumps are used. The air supply to pump airmotor is controlled through the air solenoid valve on the control panel. Venting is accomplished through air-operated valve at pump outlet.

ELECTRICAL SPECIFICATIONS

The 85208 Control Panel is designed for use on 240 Volts, 60Hz., or 220 Volts, 50 Hz., Single Phase. The 85209 Control Panel is designed for use on 120 volts, 60 Hz., or 110 Volts, 50 Hz., Single Phase. Total power required is 47 Volt-Amps maximum, not including power required to operate external alarm load.

OPERATION

- 1) Turning power on may initiate a lube cycle depending on timer programming. The Green and Amber light on the enclosure door should be on and the top line of the LCD should read "NOW LUBRICATING: 0 MIN". If the top line of the LCD reads "NEXT LUBE IN: 30 MIN" press the pushbutton beneath the word "MANUAL" to initiate a lube cycle. Solenoid valve is energized to deliver air to pump and air vent valve. Pump begins dispensing lubricant through injectors to bearings.
- 2) When all bearings have received lubricant, pressure rises in system to actuate pressure switch. When pressure switch actuates, the control is reset to de-energize solenoid valve cutting off air to pump and vent valve. Pump stops, pressure vents and pressure switch de-actuates.
- 3) Control begins timing toward next lube event. After the time interval between lube events has elapsed, the solenoid valve is energized to deliver air to pump and vent valve. Pump begins dispensing lubricant through injectors to bearings.
- 4) Operation continues as indicated in steps 2 & 3 above.

LUBRICATION FAILURE ALARM

If the pressure switch fails to actuate within the programmed time setting, the red light on the enclosure door will turn on and the LCD will read "CONTROLLER RESET FAILURE". The solenoid valve will be de-energized shutting off air to pump and vent line.

MONITOR SIGNALS

A remote monitor, either a horn or a light, can be used as a signal if the system fails to complete a pumping period within the time set. 83354 Signal Monitor is available for use with Model 85209. A green lamp indicates system is on, amber lamp indicates a lube cycle, and a red lamp lights and horn sounds to indicate a lube failure. Refer to Service Manual Section C8, Page 165 Series.

PRESSURE SWITCH IMPORTANT

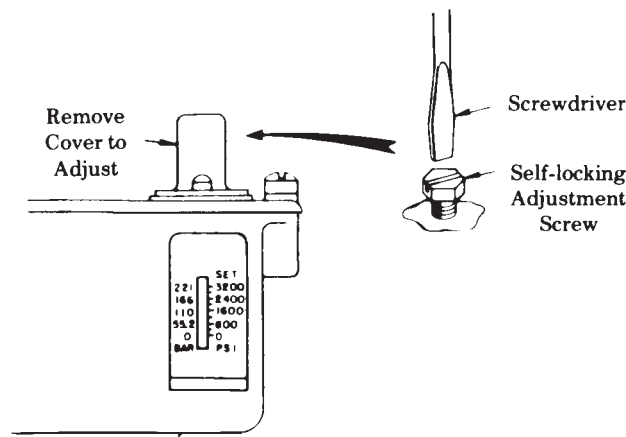
The pressure switch is factory set at 2500 psi for normal high pressure grease systems.

For low pressure oil systems, pressure switch MUST be set for 850 psi.

To lower actuation pressure, turn the self-locking adjustment screw clockwise. To raise the actuation pressure, turn the adjustment screw counterclockwise.

NOTE:

Pressure switch is provided with a scale indicating pressure in "Bars" as well as lbs. per square inch. "Bar" is the metric unit of measure of pressure.



IMPORTANT

To assure accuracy when setting pressure switch, a pressure gauge should be used in the supply line.

SERVICE PARTS

Part	Qty.	Description
66645	1	Adapter union
67203	1	Nipple
67044	1	Plug
67358	1	Elbow
*69630	1	Pressure switch
85530	1	Program timer
236363	1	Junction block
*244727	1	120 VAC solenoid valve for Model 85209
*244729	1	230 VAC solenoid valve for Model 85208

*Recommended Service Parts Inventory

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.