

**Parts List and
Operating Instructions for:**

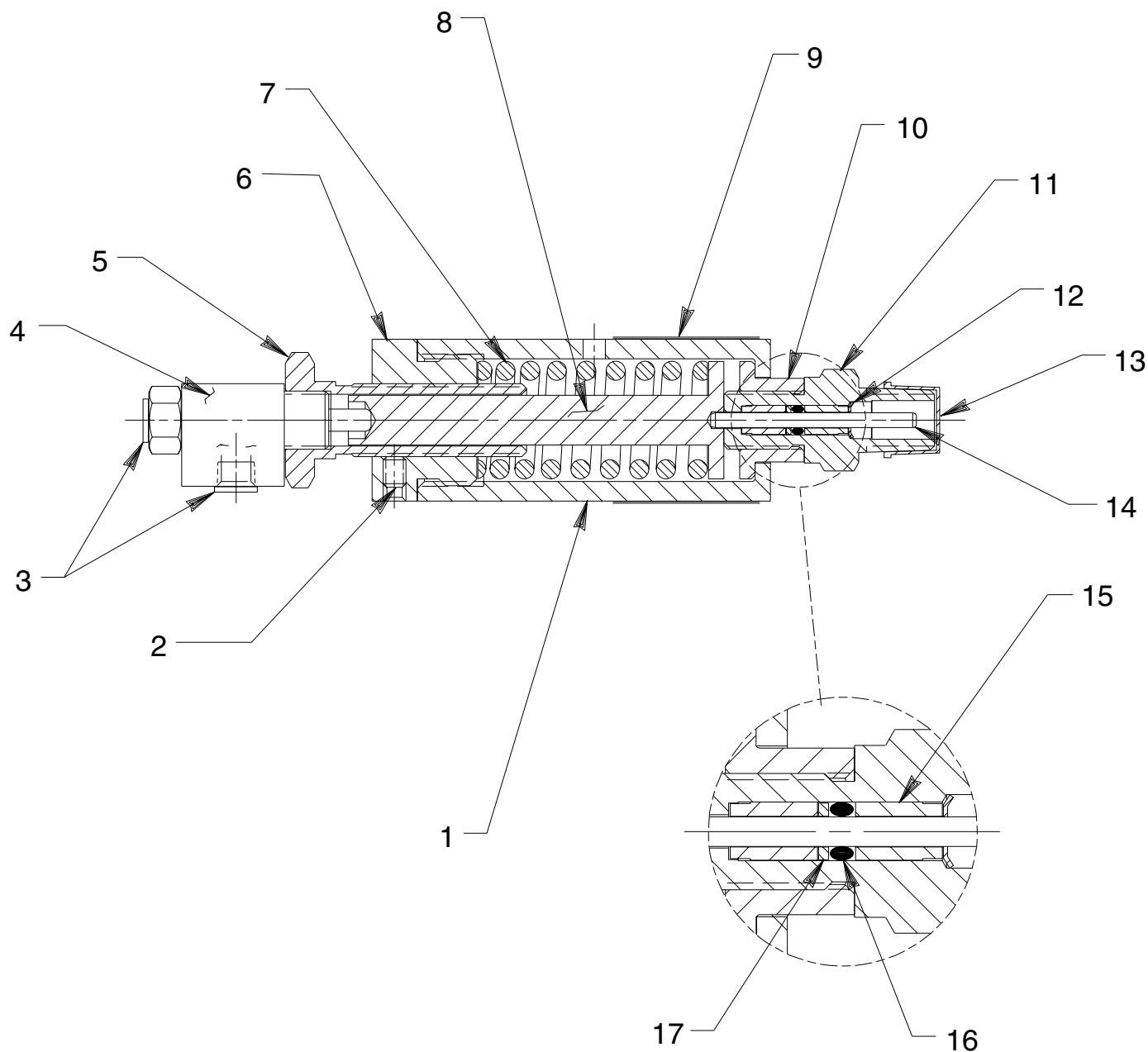
**9641
9643**

PNEUMATIC PRESSURE SWITCH

PRESSURE RANGE: 1,000 - 10,000 PSI

#9641 - Normally Closed

#9643 - Normally Open



Item No.	Part No.	No. Req'd	Description
1	250345	1	Body
2	250352	1	Headless Soc. Hd. Set Screw (Nylon tip; Torque to 30/40 in. lbs. after pressure switch setting is obtained.)
3	15697	2	Caplug (1/8 NPTF)
4	350195	1	Control Valve (For 9641; Note: Discard nuts & lockwashers)
	350271	1	Control Valve (For 9643; Note: Discard nuts & lockwashers)
5	250349	1	Adjusting Nut
6	250348	1	Bushing (Torque to 80/120 in. lbs.)
7	250344	1	Compression Spring
8	250347	1	Actuator Pin
9	202173	1	Trade Name Decal
10	250346	1	Bushing
11	304949	1	Cartridge
12	12041	1	Retaining Ring
13	12545	1	Caplug (1/4 NPTF)
14	23062	1	Dowel Pin
15	210197	2	Bushing (NOTE: Install with flat surface against o-ring and backup washer.)
16	10264	1	O-ring (1/4 x 1/8 x 1/16, -006)
17	214992	1	O-ring Backup Washer (-006)

PARTS INCLUDED BUT NOT SHOWN

10618	1	Tee Fitting (1/4 NPTF)
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OPERATING INSTRUCTIONS

A pneumatic switch is designed to control the pump air motor or pneumatic device at a pressure setting. The #9641 switch sends a pilot signal at a set hydraulic pressure. The #9643 switch discontinues a signal at a set hydraulic pressure.

Pump Mounted Installation

Mount the pneumatic pressure switch to the control valve or manifold by threading the switch fitting into the port provided for a pressure gauge. A tee fitting (supplied) can be used if both a pressure switch and a gauge are required (see Figure 1). An elbow can be used to change the angle. The pressure switch can also be mounted "in-line" between the hydraulic pump and the cylinder(s).

IMPORTANT: Connections must be sealed with Bakerseal or teflon tape. If tape is used, use only one layer and apply it carefully to prevent the tape from being "pinched" and broken off inside the pipe. Loose pieces of tape could obstruct or jam precision-fit parts.

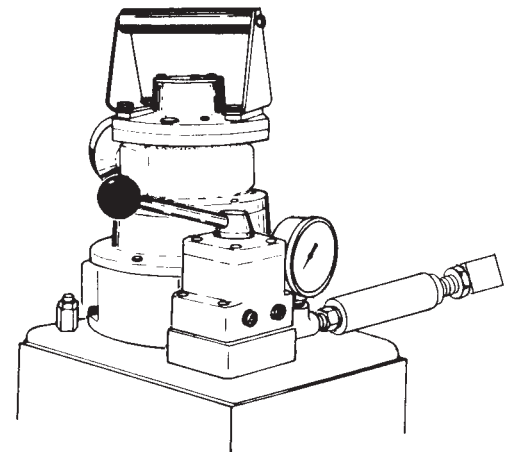


Figure 1

Adjusting the Pressure Switch Setting

- Loosen the set screw in the bushing of the pressure switch and turn set screw outward a couple of revolutions.
- While holding the adjusting nut in place with a wrench and looking at the pressure switch from the control valve end, make adjustments as follows:
 - To **increase the pressure setting**, slowly turn the switch body clockwise.
 - To **decrease the pressure setting**, slowly turn the switch body counterclockwise.
- When the desired pressure setting is reached, tighten the set screw to lock the adjusting nut in place. Torque the set screw to 30/40 in. lbs.