

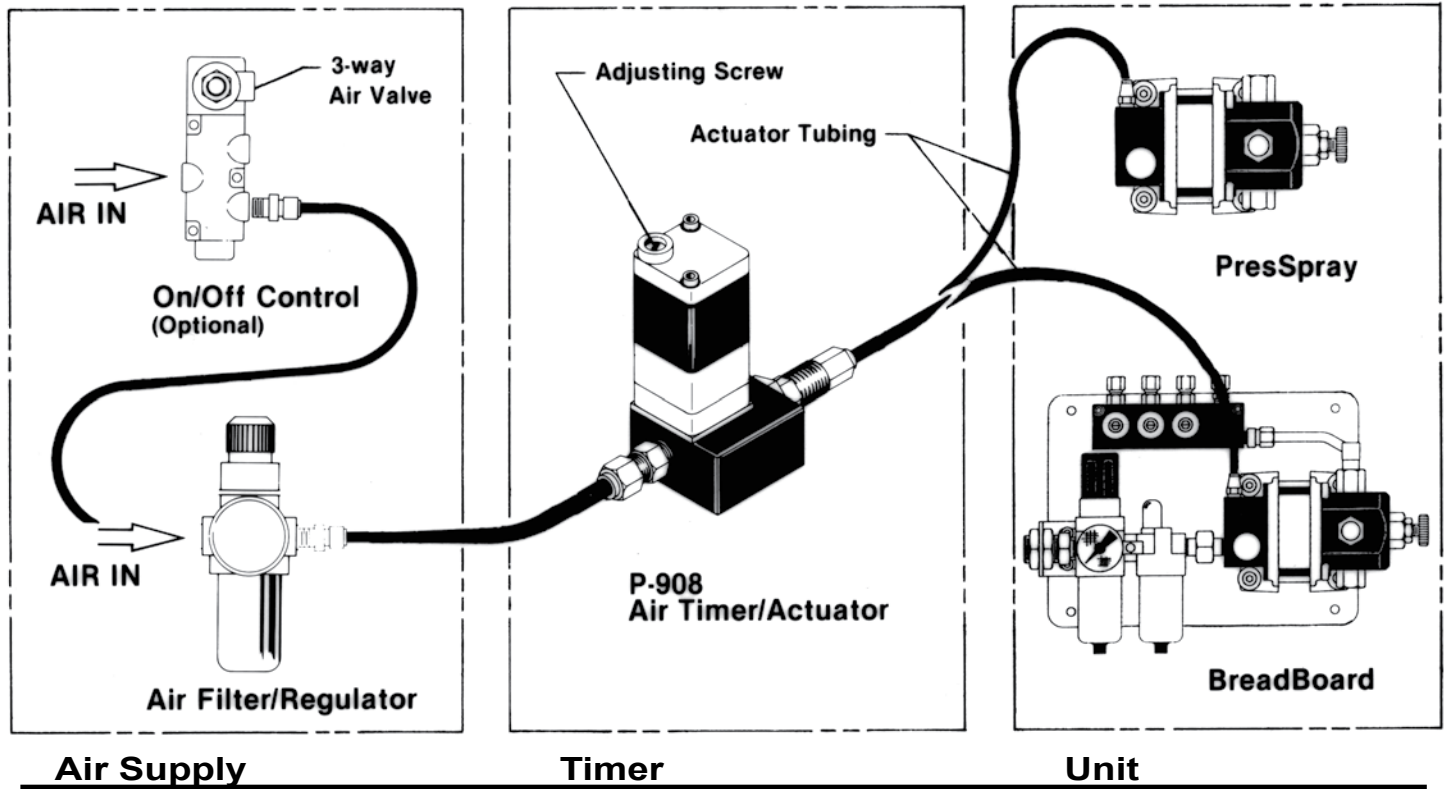
INSTALLATION, OPERATION and TROUBLESHOOTING

with REPLACEMENT PARTS LISTING



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P-908 Air Timer



NOTE: The Timer/Actuator can be used to control any one of twelve different PresSpray or BreadBoard Units. In these instructions the term "Unit" will always refer to whatever Unit is being controlled. The term "Timer" will always be used to refer to the Timer/Actuator.

INSTALLATION INSTRUCTIONS

A. Mount the Timer

1. Locate Timer as close to Unit as practical. The distance should never exceed four feet.
2. Timer will operate in any position. Mount any way desired, using holes provided in the Timer's base.

B. Connect Actuator Tubing

1. Use the four feet of 3/16" O.D. Actuator Tubing supplied with the Unit.
2. See the Unit's Instructions for reference and details on the "Push-In" fittings used for connections.
3. Cut the Tubing to the shortest usable length and connect between Timer and Unit as shown.

C. Connect the Air Supply.

1. For accurate timing and trouble-free service, an Air Filter/Regulator is recommended on the Air Supply to the Timer.
2. Never use an Air Line Oiler on the Air Supply. Oil will affect the Timer's function.

3. Connect the Air Supply to the Timer as shown. If thread sealant is used, make sure none gets into the Timer.

D. On/Off Control (optional)

To have On/Off control of the Timer, simply add a 3-way Air Valve in the air line to the Timer. Operating this valve will then start/stop the Timer's function.

EXAMPLE: Using a Solenoid (Electrical) Valve, and wiring it through the "On" switch of a machine, will have the Timer operating only when the machine is on.

OPERATING INSTRUCTIONS

A. Supply Air to Unit

Connect air to Unit described in its Instructions. Once connected, this air to the Unit is normally left on at all times. To shut down or stop operation, disconnect or turn off the air to the Timer.

B. Supply Air to Timer

Connect or turn on the Air Supply to the Timer. Have the air pressure set at 50 to 120 PSI.

C. Set Timer

Using a small screwdriver, open (turn counter-clockwise) the recessed Adjusting Screw at the top of the Timer. As this Screw is opened, the cycle rate of the Timer will increase. Set the Timer to the appropriate cycle rate.

TROUBLESHOOTING INSTRUCTIONS

PROBLEMS	SOLUTIONS
<p>I. Timer does not cycle, or exhausts air continuously.</p>	<p>A. Make sure there is air to the Timer. B. Make sure the Adjusting Screw is open. C. Check screws at the top of the Timer. Tighten if loose. D. **Check POPPET (58010) and its SEAT's for dirt or damage. Clean or replace as needed. E. **Check DIAPHRAMS (59599 & 59560) for holes or tears. Replace if required.</p>
<p>II. Timer does not repeat accurately.</p>	<p>A. Check air pressure to the Timer. Should be 50 PSI minimum. B. Check for wide fluctuations in air pressure to Timer. For accuracy, the air must be regulated for a constant pressure. C. Check both SPRING's (SPG-025 & SPG-026) for breakage. Replace if needed. D. Check "O" RING (RGO-014) on PISTON for wear and lubrication. Replace if worn; lubricate (oil or grease) if dry. E. **Check Adjusting SCREW (59787) for dirt or damage. Clean or replace as needed.</p>
<p>**These checks require disassembly of the Timer. When doing this, follow the instructions below in sequence.</p> <p>DISASSEMBLY:</p> <ol style="list-style-type: none"> 1. Remove both NUT's (NUT-159) at the bottom of the Timer. 2. Remove both SCREW'S (59512) at the top of the Timer. 3. The Timer may now be taken apart. 	<p>ASSEMBLY:</p> <ol style="list-style-type: none"> 1. Place parts together as shown at PARTS LISTING. Make sure all protrusions and recesses in the housings are mated and allow the parts to fit together flush. 2. Install and tighten both SCREW's (59512) at top of Timer. 3. Install the FILTER and three "O" RING's shown, then cover with the PLATE and GASKET as shown. Place all onto BASE. 4. Install and tighten both NUT's (NUT-159) at bottom of Timer.