



RV56 Installation and Maintenance

MASTER PNEUMATIC-DETROIT, INC.

6701 - 18 Mile Rd | Sterling Heights, MI 48314 | Phone: (586) 254-1000 | Fax: (586) 254-6055 | Email: mp@masterpneumatic.com

JAA 12-16-05
REV MJF 03-01-13
ECN 4853

THANK YOU!

You have just purchased a quality Relief Valve from Master Pneumatic.

With care in its installation and maintenance, you can expect it to have a long and economical service life. Before you go any further, please take a few minutes to look over this information, then save it for future reference and for the useful service information it contains.



Installation & Operation Procedures

INSTALLATION:

1. Depressurize and lockout air pressure.
2. Upstream pipes must be free of excessive dirt and liquids.
3. Filters should be installed immediately ahead of Relief Valve to insure a clean supply of air.
4. Install the Relief Valve in airline as near as possible to the device it is to serve.
5. Install the Relief Valve so air flows in same direction as arrow on Valve head. Outlet port is usually open to atmosphere or plumbed into an exhaust circuit.
6. The Relief Valve has gauge ports on both sides of the head. It is necessary to install a pressure gauge or pipe plugs into each port before operating.
7. The Relief Valve can be installed with Dome up, down, or any rotation.

OPERATION:

1. To increase primary pressure: Pull out on Adjusting Knob (#7), turn clockwise.
To lower primary pressure: Pull out on Adjusting Knob (#7), turn counter-clockwise.
2. Push in on Adjusting Knob (#7) to lock in place.

TO CLEAN OR REPAIR:

1. Depressurize and lockout air pressure.
2. Reduce spring load to zero by turning Adjusting Knob (#7) counter-clockwise.
3. Remove Dome (#5) by turning counter-clockwise.
4. The Diaphragm (#2) can now be removed.
5. Visually inspect Diaphragm (#2) for defects. If necessary replace.
6. Valve Seat (A) can be removed by unscrewing.
7. Visually inspect Valve Seat (A) for defects. If necessary replace.
8. When re-assembling, be sure all seals are correctly located. The Valve Seat (A) is torqued to 3-5 in-lbs, do not over tighten. The Dome (#5) is torqued to 90-100 in-lbs.
9. If the Relief Valve cannot be repaired by cleaning with soap and water, the parts should be replaced.
10. If the air supply is kept clean, the Relief Valve should provide long periods of uninterrupted service.



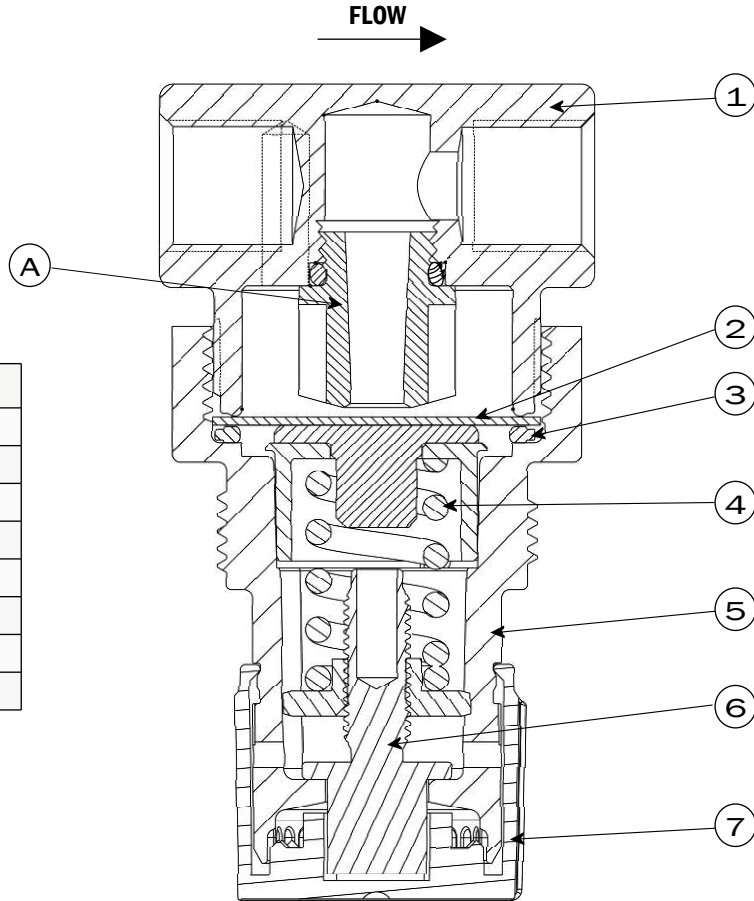
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Section View



KEY	DESCRIPTION
1	Head
2	Diaphragm
3	Spacer
4	Main Spring
5	Dome
6	Adjusting Screw Assembly
7	Adjusting Knob
A	Valve Seat

Replacement Parts and Mounting Accessories

Part Number	DESCRIPTION
A33-75	Adjusting Screw Assembly (Spring Rest & Adjusting Screw)
A33-82	Panel Mount Nut & Bracket
10R-26	Panel Mount Nut
****	Consult factory for other replacement kits