

A-207 Re-Assembly Instruction Supplement

1 Preparation

These instructions are specific to the reassembly of the A-207 Vacuum Relief Valves. For more maintenance and installation instructions, please refer to Midland's Installation, Operation and Maintenance Instructions for A-205/A-222 Vacuum Relief Valves.

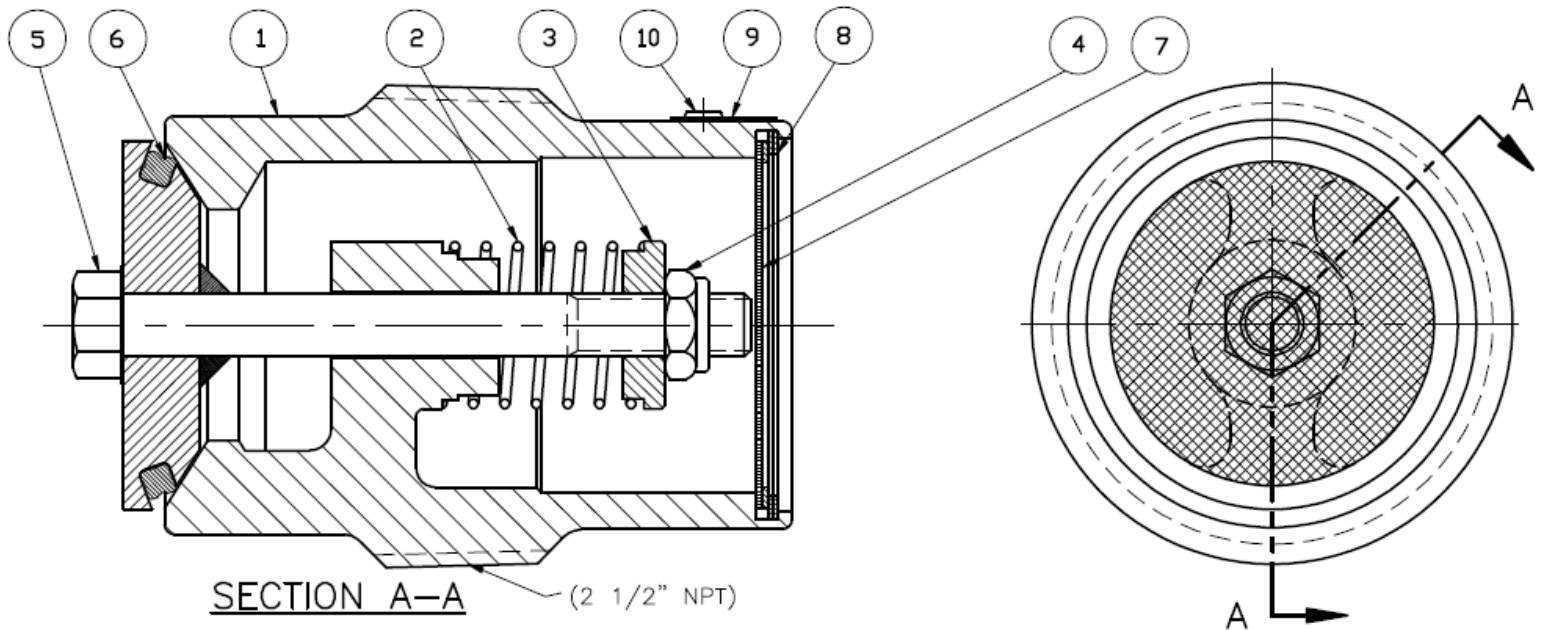
- Exercise normal safety precautions for the commodity involved.
- Discard all soft parts being replaced.

2 Valve Details

| ITEM NO. | QTY. | PART NAME | MATERIAL | PART NO. |
|----------|------|-----------------|------------------------------|--------------|
| 1 | 1 | BODY | STAINLESS STEEL (PASSIVATED) | 207-11-SS-PA |
| 2 | 1 | SPRING | STAINLESS STEEL | SEE TABLE |
| 3 | 1 | SPRING SEAT | STAINLESS STEEL | 207-3-SS |
| 4 | 1 | LOCK NUT | STAINLESS STEEL | 207-41-SS |
| 5 | 1 | STEM | STAINLESS STEEL (PASSIVATED) | 207-52-MO-PA |
| 6 | 1 | PRESSURE SEAL | WHITE NEOPRENE * | 205-6-WNE |
| 7 | 1 | SCREEN ASSEMBLY | STAINLESS STEEL | 207-7-SS |
| 8 | 1 | RETAINER RING | STAINLESS STEEL | 207-8-SS |
| 9 | 1 | NAMEPLATE | STAINLESS STEEL | 207-90-SS |
| 10 | 2 | DRIVE SCREW | STAINLESS STEEL | 763-11-SS |

| VACUUM SETTING (PSI) | SPRING PART NUMBER |
|----------------------|--------------------|
| 0.75 | 207-2-MO |
| 3 | 207-21-MO |

* Alternate materials available



3 Re-Assembly Procedure

- 3.1.1 Put approved lubricant in the quad-ring grooves on the stem (item 5).
- 3.1.2 If the side of the quad-ring (item 6) with a blue dot can be identified, put that side down away from the stem.



Figures 1-2

- 3.1.3 Slip the quad-ring (item 6) over the stem (item 5) and into the quad-ring groove, making sure the quad-ring is flat in the groove.



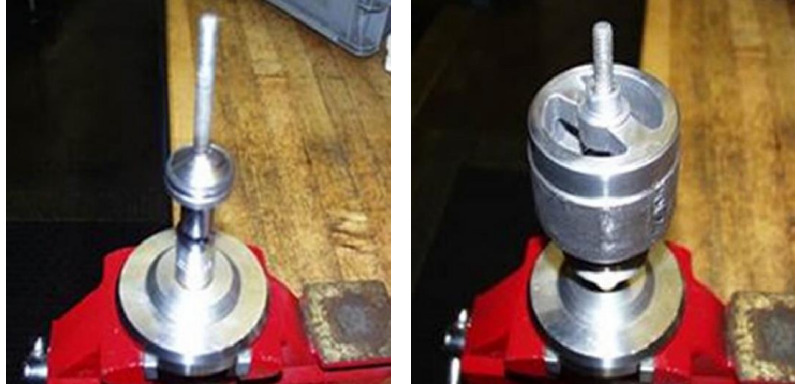
Figures 3-4

- 3.1.4 Run a steel rule around the groove of the quad-ring to make sure the back side of the quad-ring is well seated
- 3.1.5 Run a steel rule under the lower side of the quad-ring to make sure the back side of the quad-ring is well seated.



Figure 5

- 3.1.6 Put the stem (item 5) in place.
- 3.1.7 Put the body (item 1) in place.



Figures 6-7

- 3.1.8 Place spring (item 2) and follower (item 3) on the stem (item 5) so they end up about level with the top of the stem to get the desired pressure setting.
- 3.1.9 Put the follower (item 3) in first, then press it down slightly. Drive the nut (item 4) down by hand as far as it can go.



Figures 8-9

- 3.1.10 For A-207 valves without a hole in the screen, install the screen (item 7) on top of valve as shown.
- 3.1.11 Insert retainer ring (item 8) in groove as shown.



Figures 10-11



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