Spring Kit Instructions
1. Remove valve from system.
2. Loosen lock nut and remove cap from bonnet.
3. Remove the spring and discard.
4. Insert the new spring.
5. Thread the cap onto the bonnet 9 turns.
6. Proceed to Adjusting the Set Pressure.

Seal Kit Instructions
1. Remove valve from system.
2. Loosen bonnet.
3. Remove bonnet from body.
4. Remove disc from body and discard.
5. Remove stem and O-Ring from bonnet. Discard O-Ring.
6. RL3 Only: Remove retainer and discard.
7. Remove quad seal and discard.
8. Make sure all parts are clean before reassembly.
9. Install new quad seal (lubricate with system compatible lubricant).
10. RL3 Only: Install new retainer (teeth of retainer must face away from quad seal).
11. Install new O-Ring onto bonnet (lubricate with system compatible lubricant).
12. Lubricate tip of stem and insert into bonnet.
13. Install new disc on stem.
14. With components upside-down, thread bonnet into body and tighten to 600 in.-lb (67.8 N·m).
15. Proceed to Adjusting the Set Pressure.

Seal Kit Contents
<table>
<thead>
<tr>
<th>Quad Seal</th>
<th>O-Ring</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disc</td>
<td>Retainer (RL3 Only)</td>
</tr>
</tbody>
</table>

Spring Kit Contents
| Spring |

WARNING
If the valve is disconnected from a system, it must be depressurized, cycled, and purged.

CAUTION
Care should be taken to not scratch or damage sealing surfaces.
Manual Override Conversion
1. Remove valve from system.
2. Loosen lock nut and remove cap from bonnet.
3. Remove plug from cap and discard.
4. Remove spring from bonnet.
5. Remove spring support and discard.
6. Install pull rod into bonnet.
7. Place spring over pull rod.
8. Place cap over pull rod, resting it on bonnet.
9. Screw handle onto pull rod. Tighten set screw on handle to 10 in.-lb (1.1 N-m) with 5/64 in. hex bit.
10. Thread the cap onto the bonnet 9 turns.
11. Proceed to Adjusting the Set Pressure.

Adjusting the Set Pressure

**NOTE:** Adjust the set pressure before installing the valve in a system

1. Tighten lock nut against the cap.
2. Test set pressure.
3. Adjustment of set pressure:
   • Relieve system pressure and loosen lock nut.
   • Turn cap clockwise to increase set pressure.
   • Turn cap counterclockwise to decrease set pressure.
4. Repeat steps 1 through 3 until desired pressure is obtained.
5. With backup wrench on cap, tighten lock nut to 100 in.-lb (11.3 N-m).
6. Install valve in system.