



## How to properly remove, replace and lubricate the Spill (Unloader) Valve, Part # 4591-0400B for Pumps 3.532-785.0 & 3.532-761.0

Remove the entire pump assembly by removing the 4- 3/16" Allen bolts that mount the pump to the engine. **Do not remove** the four 6mm hex bolts at the **front of the pump**. Removing these bolts could cause **oil to leak** from the pump.

The Spill valve is located under the black plastic pressure volume knob.

1) Unscrew pressure volume control assembly. (shown in figure 2)

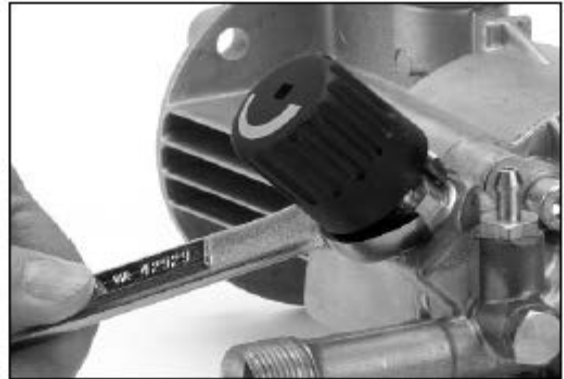


figure 2

2) Remove brass bushing. (shown in figure 3)

3) Pull out Spill (Unloader) Valve. (insert figure 3)

4) Inspect Spill (Unloader) Valve for damage and lubrication. Inadequate lubrication will cause the valve to hang up.

5) Inspect o-rings for nicks or cuts.  
On the bottom, a single round o-ring.  
On the top, a set of 3 o-rings, flat-round-flat

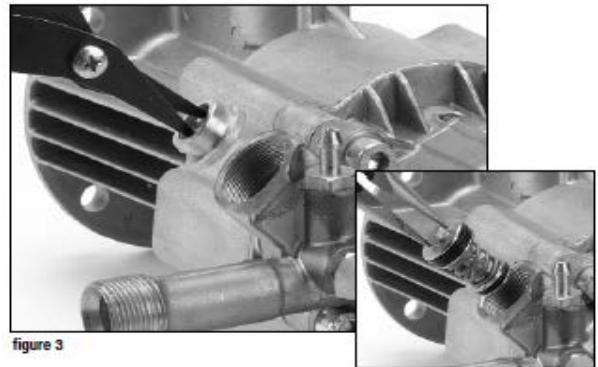


figure 3

6) Grease / lubricate generously with a silicone or lithium grease the top three o-rings. **DO NOT LUBRICATE THE BOTTOM SINGLE O-RING.** Reinstall the valve and make sure that it is seated all the way to the bottom of the chamber.

7) Replace Spill (Unloader) Valve if necessary.



figure 4

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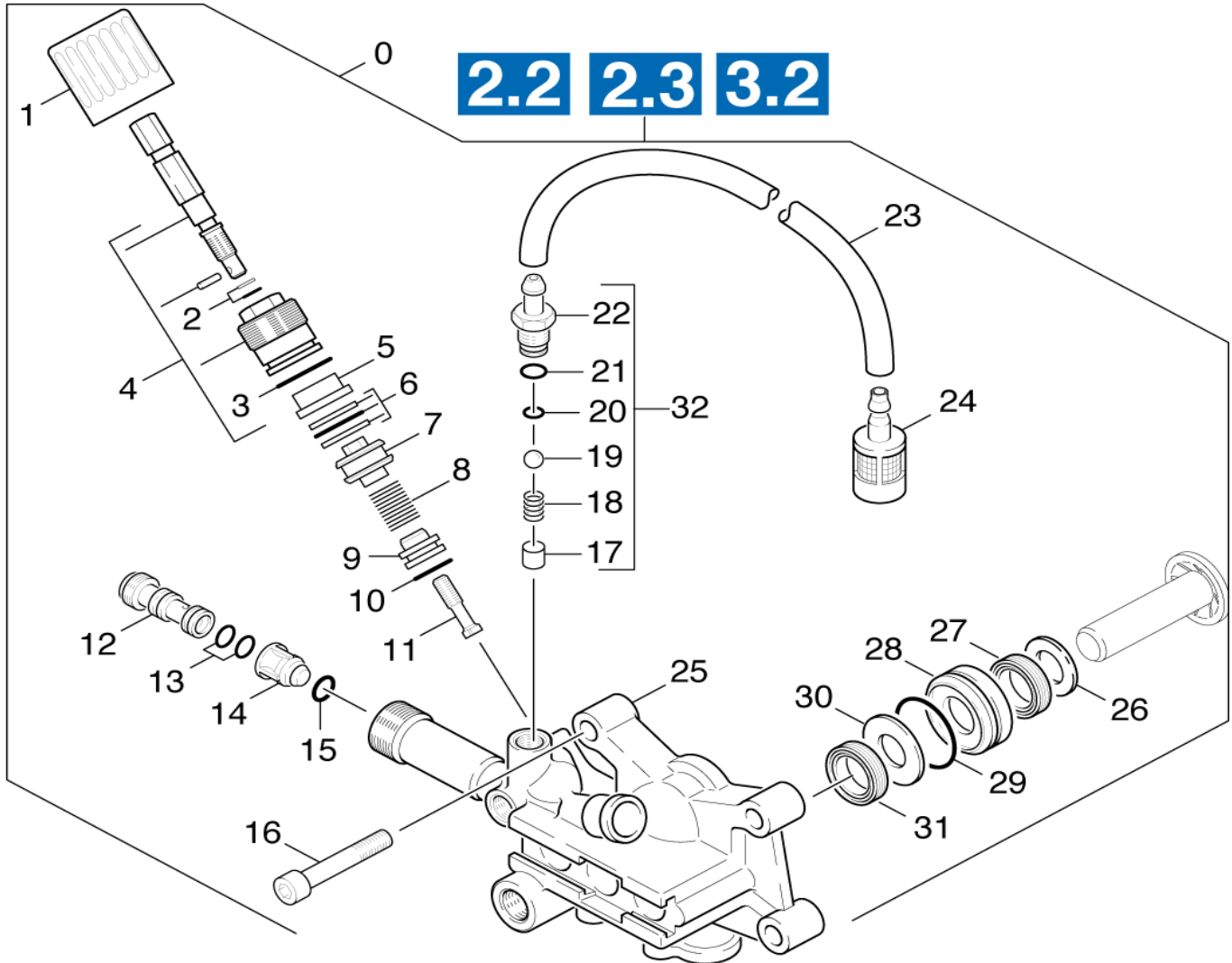
WEB: [www.rjbowers.com](http://www.rjbowers.com)

800-383-6584

FAX: 815-399-8839

e-mail: [parts@rjbowers.com](mailto:parts@rjbowers.com)

4591-0400B SPILL VALVE INSTRUCTIONS



Parts 6 - 7 - 8 - 9 - 10 - 11 make up Part # 4591-0400B Spill (Unloader) Valve

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