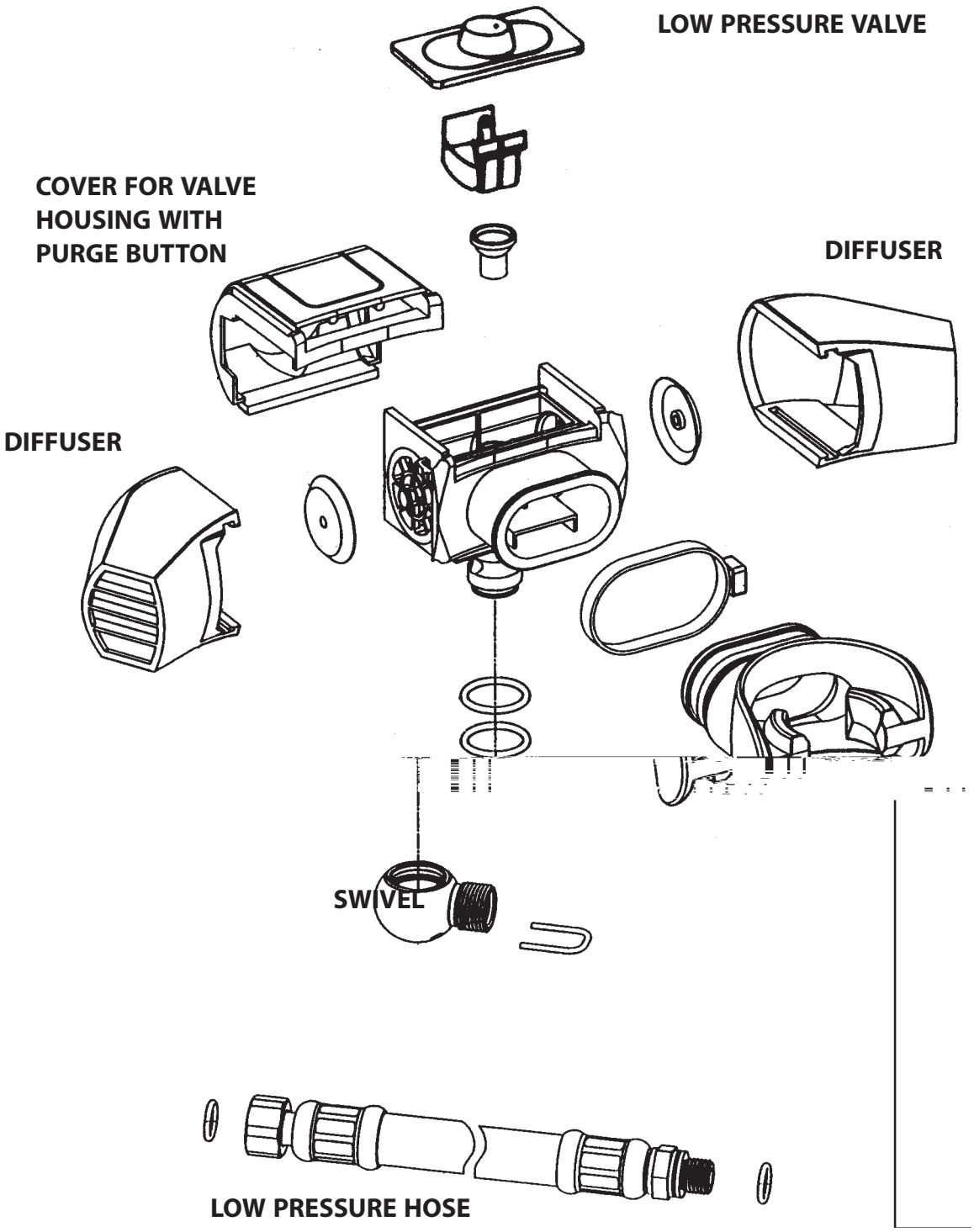
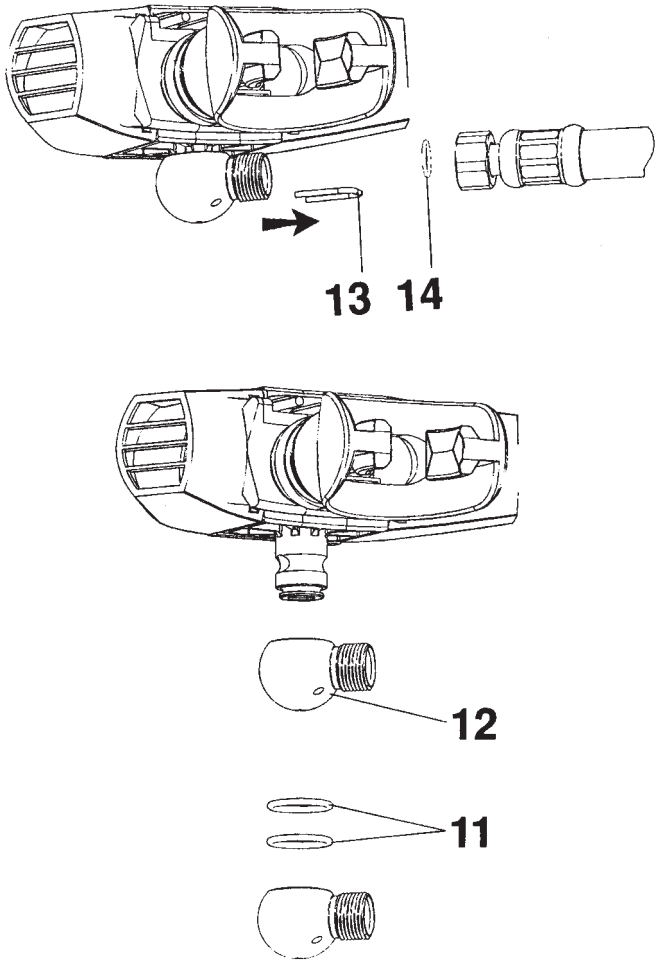
REPAIR INSTRUCTIONS SECOND STAGE DEMAND VALVE

3755 - Second stage





SECOND STAGE
3755

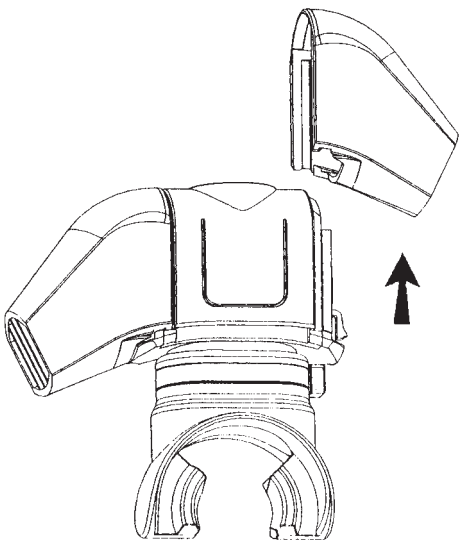
Removal:

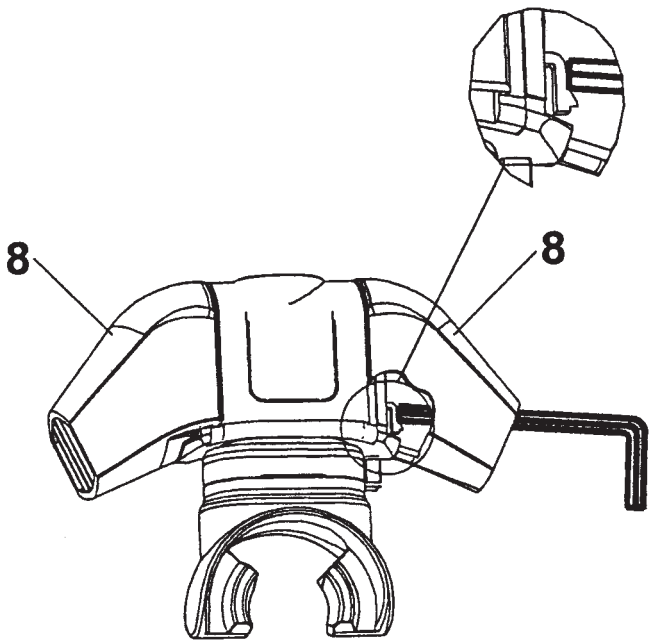
1. Disconnect the low pressure hose from the second stage with a 15 mm open wrench. Remove the o-ring (14) with an o-ring remover.
   Remove the securing clip (13).

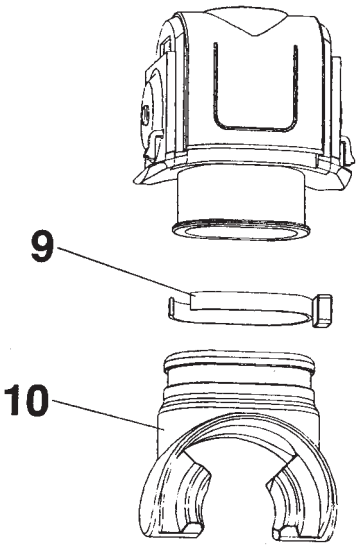
2. Remove the swivel (12).

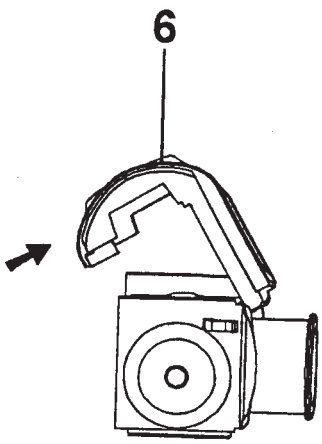
3. Remove the o-rings (11) with an o-ring remover. Make sure that the sealing surfaces are not damaged.

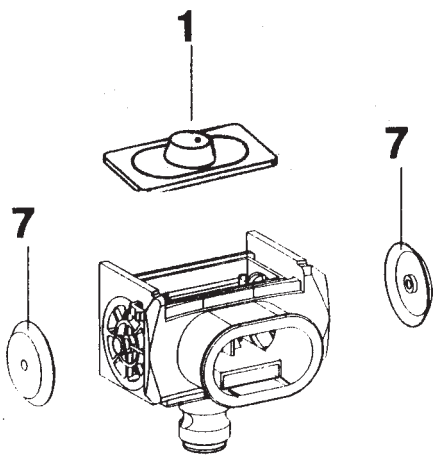
4. Remove the diffusers (8). Press the catches and push out the diffuser.











SECOND STAGE 3755

Removal:

1. Cut off the locking strap (9) with cutting pliers. Remove the mouthpiece (10).

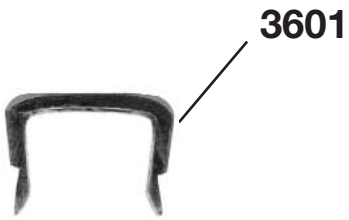
2. Remove the cover (6)

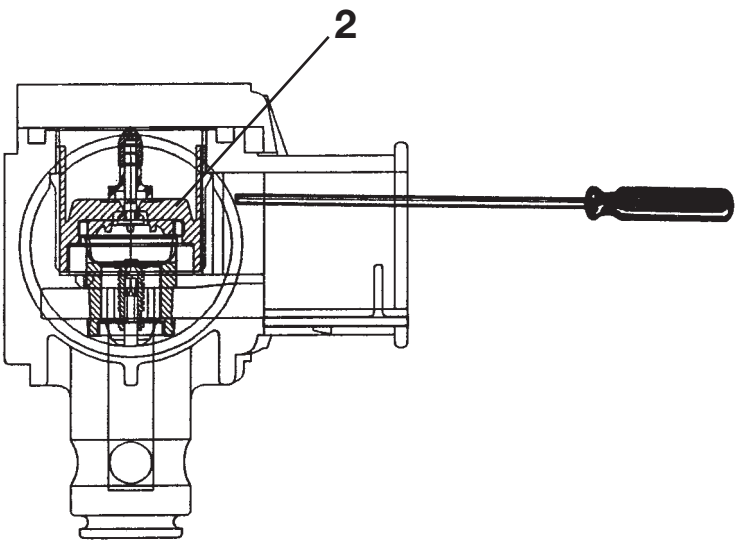
3. Remove the diaphragm (1) with an o-ring remover. Make sure that the sealing surfaces are not damaged.

4. Remove the exhaust valves (7).

Removal:

Remove the servo valve (2) with removal tool (no 3601) see fig. Be careful so that the holders do not break.

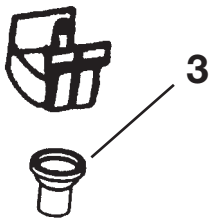




1. Press down the removal tool carefully so that the holders bend inwards and the serve valve "pops up".

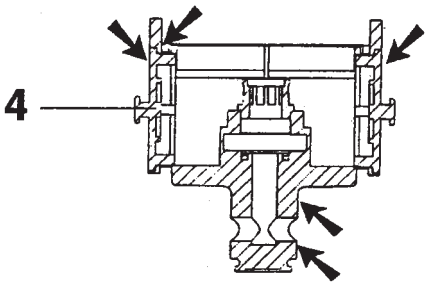
2. Thereafter press up the servo valve with a screwdriver, see fig.

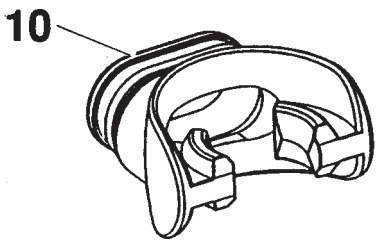
3. Remove the valve piston (3) from the servo valve.

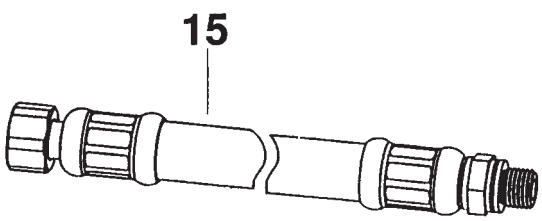












SECOND STAGE VALVE 3755

When servicing the regulator the following parts should be replaced:
(see chapter servicekit)

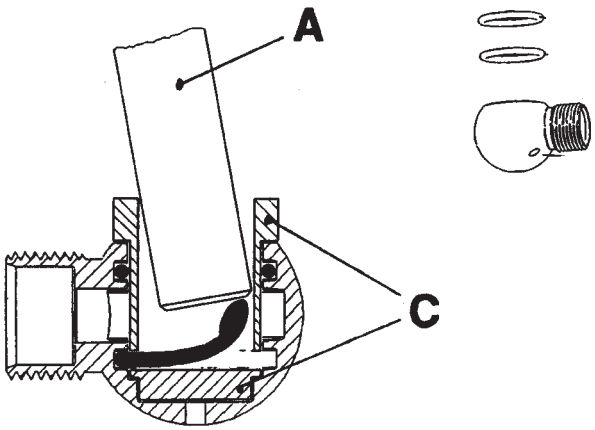
Before assembly check the following:

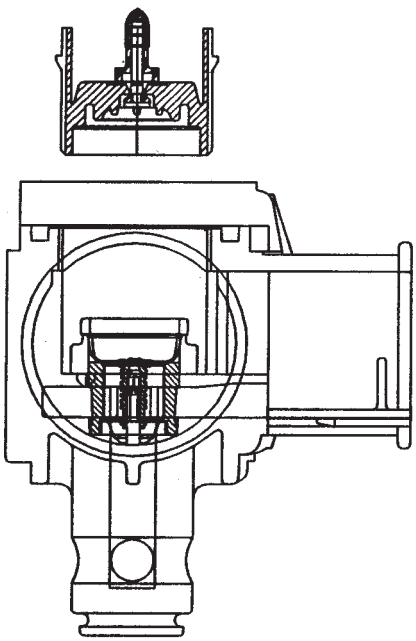
1. Diaphragm (1) and exhaust valves (7). Check the sealing surface to see if it is even and uncracked.

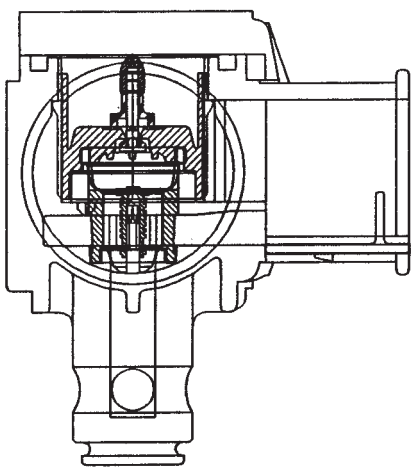
2. Valve housing (4). Make sure that the sealing surfaces are free from defects and that the track for the diaphragm is absolutely clean.

3. The mouth-piece (10). Make sure that there are no cracks.

4. Low pressure hose (15). Check to make sure that the sealing surface is undamaged, and that the rubber does not show any flaws.







SECOND STAGE
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Assembly

Installing o-rings in the swivel connection.

Place the fixtures according to fig. 1. Install an o-ring in the fixture.

Press down the o-ring in the track of the swivel with tool B.

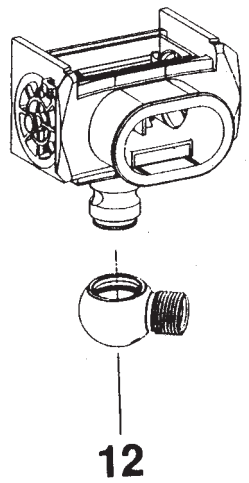
Remove the fixtures, press out the lower fixture with the o-ring remover through the hole in the bottom of the swivel.

Mount the upper o-ring in the track.

Assembly of low pressure valve

1. Place the valve piston in the low pressure valve guide.

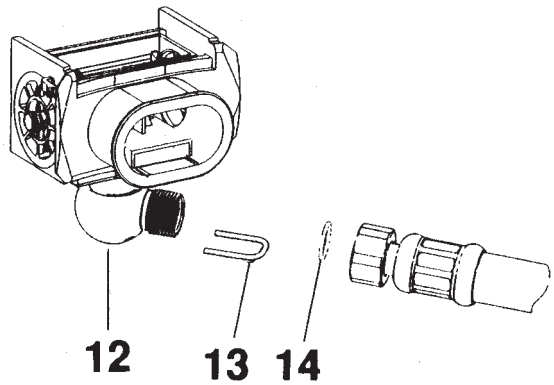
2. Mount the servo valve and press firmly (until you hear a click).



SECOND STAGE
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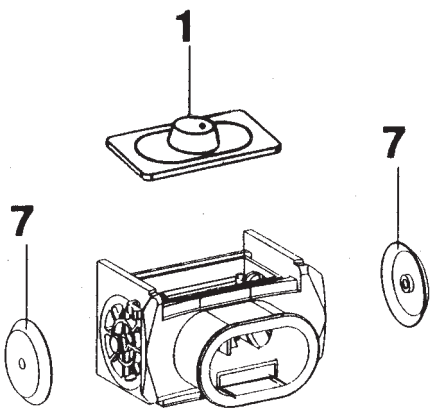
Assembly:

1. Lubricate the inside of the swivel (12) and press it on the second stage.

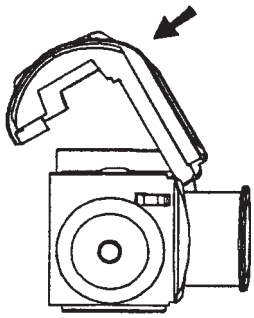


2. Press in the securing clip (13). Install the o-ring (14) on the low pressure hose. Lubricate the o-ring (14) and the thread at the swivel (12). Screw the low pressure hose on the swivel. Tighten with a 15 mm open wrench.

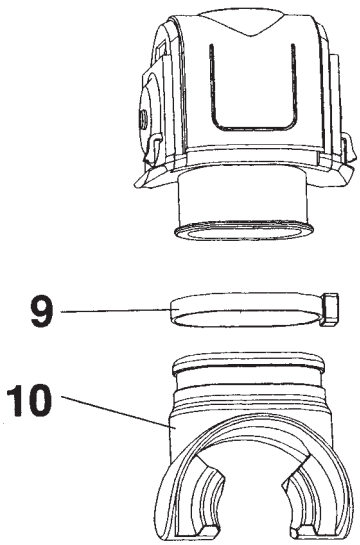
3. Test the low pressure valve for leaks according to chapter "Testing and adjustment of regulator Triton".



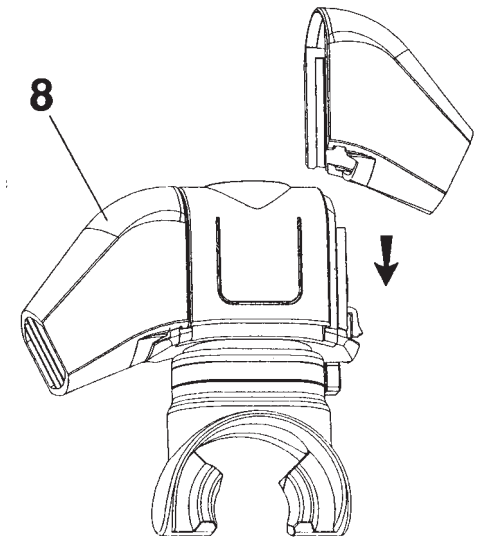
4. Install the exhaust valves (7) and the diaphragm (1). Press the edge of the diaphragm into the groove of the valve housing. Use an o-ring remover.



1. Install the cover (6). Put the lower part of the cover against the valve housing. Press it on.



2. Install the mouth piece (10) and the locking strap (9). Tighten and cut off locking strap with plastic band pliers.



3. Install the diffusers (8). Make sure the catches are fastened.