

SV5 Safety Valve Replacement Parts Fitting Instructions

Warning

Resetting or refurbishment of safety valves approved to National or International Standards must only be carried out by the manufacturer or his approved agent if compliance with this standard is to be maintained.

1. To change the cap (part No. 4)

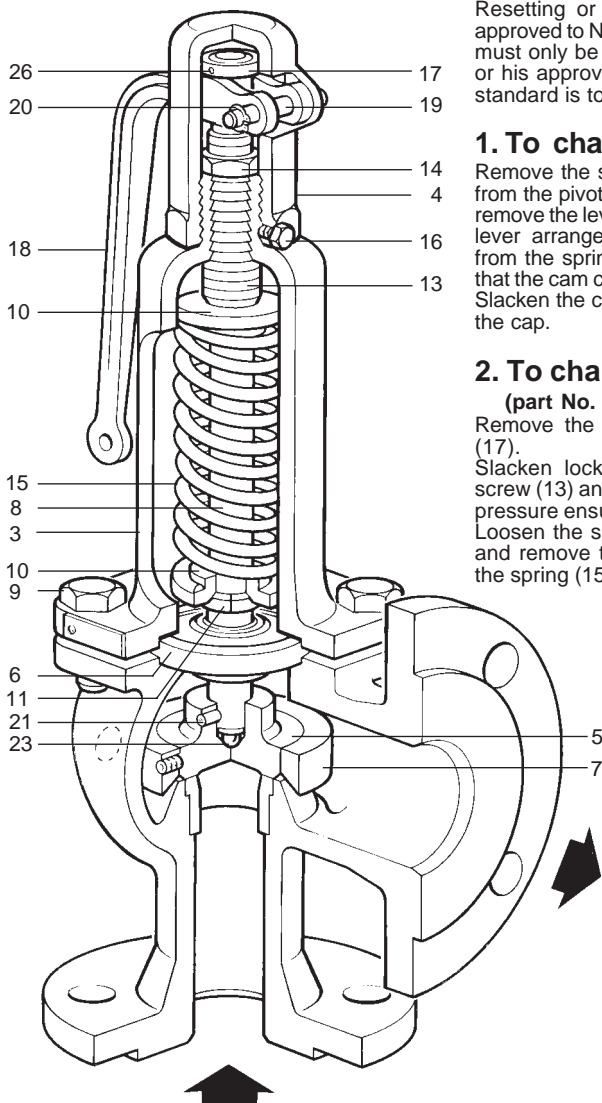
Remove the sealing wire, and one circlip (20) from the pivot pin (19). Withdraw pivot pin and remove the lever (18). For closed cap or packed lever arrangements simply unscrew the cap from the spring housing (lifting the lever such that the cam clears the collar (17) if necessary). Slacken the cap locking bolt (16) and unscrew the cap.

2. To change the spring

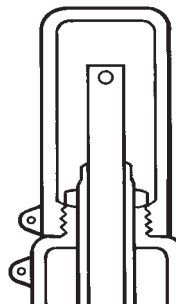
(part No. 15)

Remove the spindle pin (26) and the collar (17).

Slacken locknut (14) and wind adjustment screw (13) anti-clockwise to release the spring pressure ensuring the spindle does not rotate. Loosen the spring housing securing bolts (9) and remove the spring housing (3). Remove the spring (15) and spring end plates (10) and



Gas tight cap



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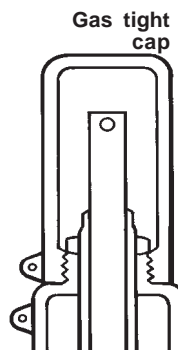
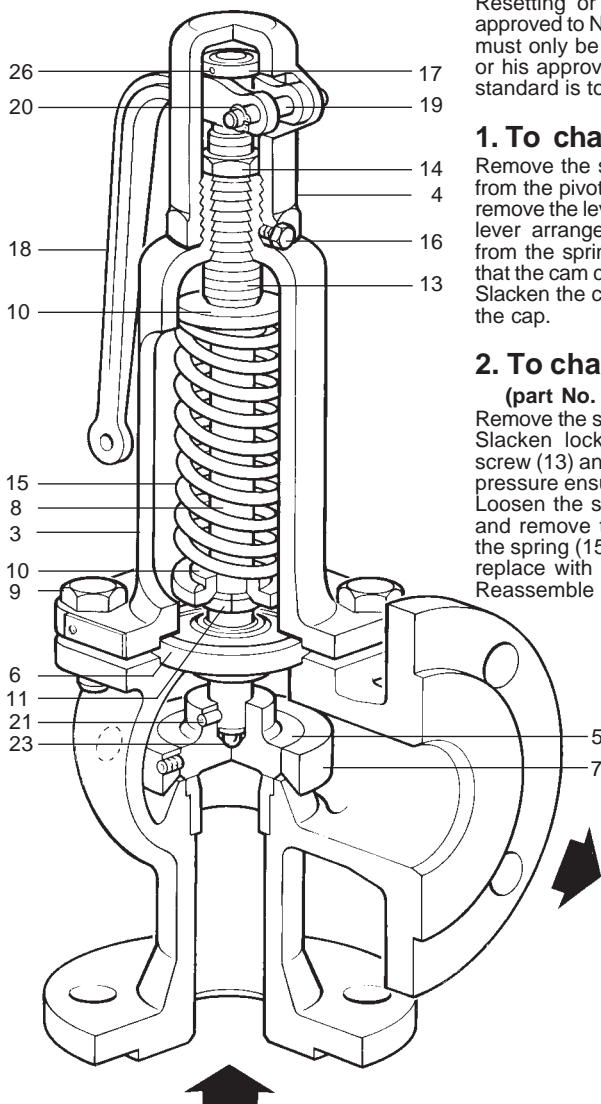
1. To change the cap (part No. 4)

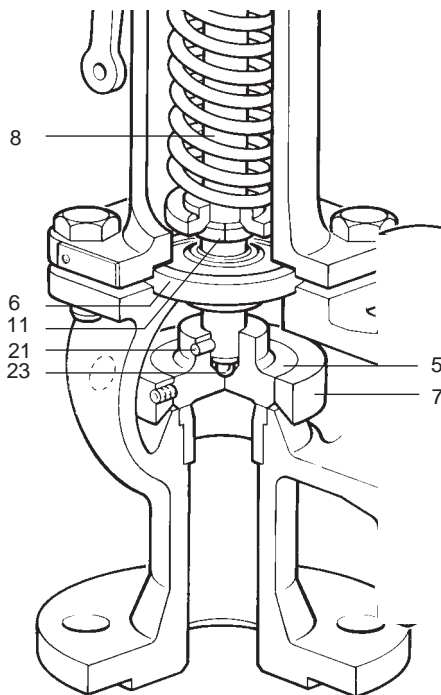
Remove the sealing wire, and one circlip (20) from the pivot pin (19). Withdraw pivot pin and remove the lever (18). For closed cap or packed lever arrangements simply unscrew the cap from the spring housing (lifting the lever such that the cam clears the collar (17) if necessary). Slacken the cap locking bolt (16) and unscrew the cap.

2. To change the spring

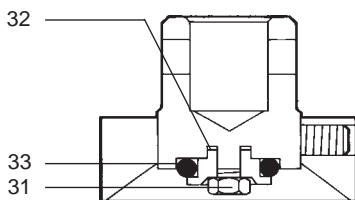
(part No. 15)

Remove the spindle pin (26) and the collar (17). Slacken locknut (14) and wind adjustment screw (13) anti-clockwise to release the spring pressure ensuring the spindle does not rotate. Loosen the spring housing securing bolts (9) and remove the spring housing (3). Remove the spring (15) and spring end plates (10) and replace with the new spring and end plates. Reassemble in reverse sequence.

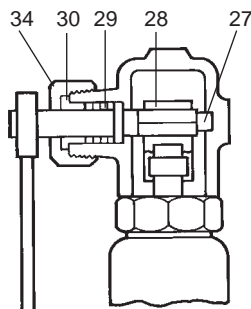




Disc assembly



O-ring seal



Packed easing lever

3. To replace the disc assembly

(Metal or 'O' ring type)

Follow procedure 1 from previous page. After the spring and end plates have been removed the spindle assembly and guide plate can be lifted from the body being careful not to lose the retaining rings (11 (2 off)). The retaining rings should be removed and also the guide plate (6).

Remove the valve disc from the spindle by tapping out the pin (21). Be careful not to lose the spindle ball (23) which allows the disc to articulate.

Fit new disc (5/7) to spindle (8) ensuring the spindle ball (23) is located between these items and refit the pin (21). Reassemble in reverse sequence ensuring the spindle guide is fitted with the spigot facing downwards.

4. Replacement of 'O' ring disc seal (part No. 33)

After removal of the disc as described in procedure 3 proceed as follows. Remove the retaining nut (31) and the retaining plate (32). The 'O' ring (33) can then be removed. Reassemble in reverse sequence fitting the new 'O' ring (33). After tightening the nut use a punch to deform the male threaded spigot to provide a mechanical lock.

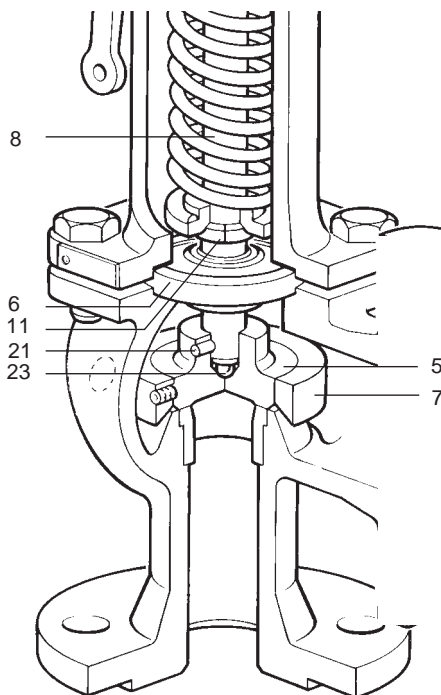
5. Replacement of lever packing (part No. 29)

Remove the cap as described in Section 1. Remove the lever pin and lever. Unscrew the gland nut (34) and remove bush (30).

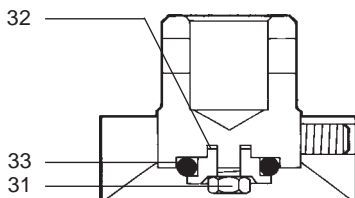
Withdraw the lever stem (27) and packing rings (29 (4 off)). It is advisable to note the orientation of the pin and cam (28) to ensure the parts are reassembled in the correct position.

The cam will now be loose. Refit the lever stem and packing rings. Replace the packing rings individually using the bush to press them into position.

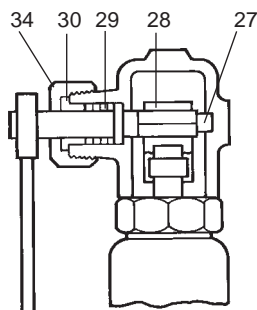
Refit the bush and gland nut then tighten. Refit the lever and lever pin.



Disc assembly



O-ring seal



Packed easing lever

3. To replace the disc assembly

(Metal or 'O' ring type)

Follow procedure 1 from previous page. After the spring and end plates have been removed the spindle assembly and guide plate can be lifted from the body being careful not to lose the retaining rings (11 (2 off)). The retaining rings should be removed and also the guide plate (6).

Remove the valve disc from the spindle by tapping out the pin (21). Be careful not to lose the spindle ball (23) which allows the disc to articulate.

Fit new disc (5/7) to spindle (8) ensuring the spindle ball (23) is located between these items and refit the pin (21). Reassemble in reverse sequence ensuring the spindle guide is fitted with the spigot facing downwards.

4. Replacement of 'O' ring disc seal (part No. 33)

After removal of the disc as described in procedure 3 proceed as follows. Remove the retaining nut (31) and the retaining plate (32). The 'O' ring (33) can then be removed. Reassemble in reverse sequence fitting the new 'O' ring (33). After tightening the nut use a punch to deform the male threaded spigot to provide a mechanical lock.

5. Replacement of lever packing (part No. 29)

Remove the cap as described in Section 1. Remove the lever pin and lever. Unscrew the gland nut (34) and remove bush (30).

Withdraw the lever stem (27) and packing rings (29 (4 off)). It is advisable to note the orientation of the pin and cam (28) to ensure the parts are reassembled in the correct position.

The cam will now be loose. Refit the lever stem and packing rings. Replace the packing rings individually using the bush to press them into position.

Refit the bush and gland nut then tighten. Refit the lever and lever pin.