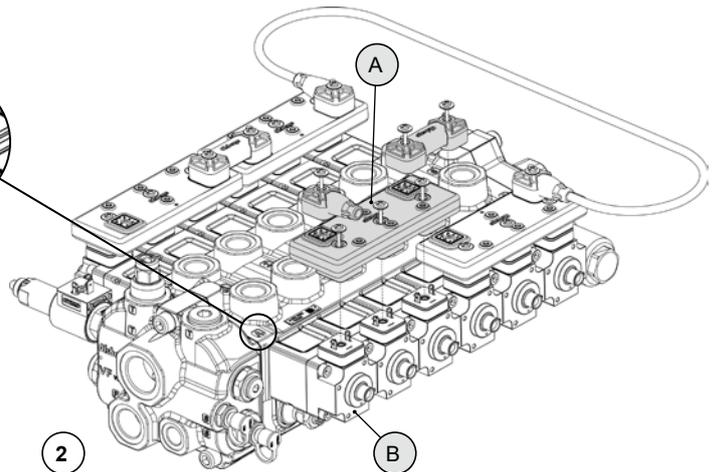
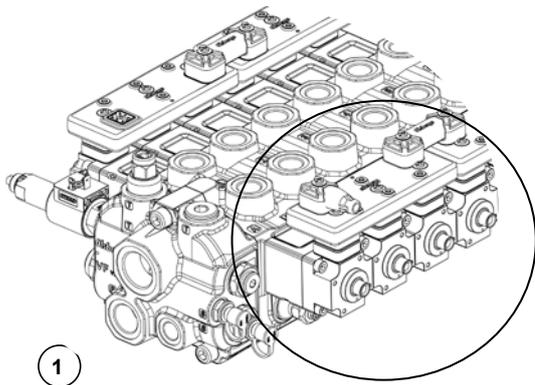


Positioner P8 and / or spool

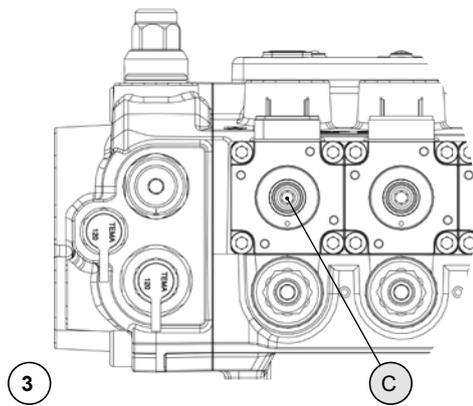
Fits: All electrically operated Q-serie valves with P8

Consumption: One spool and two P8 units per valve section



1

2

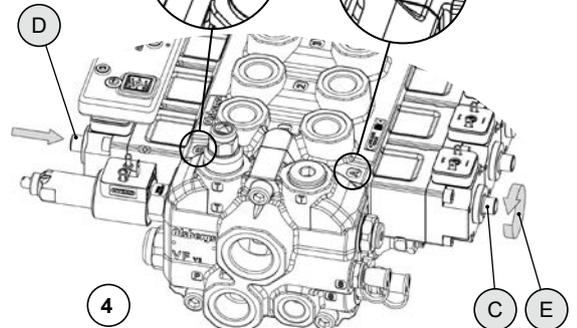


3

C



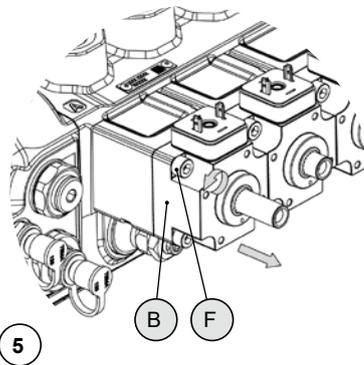
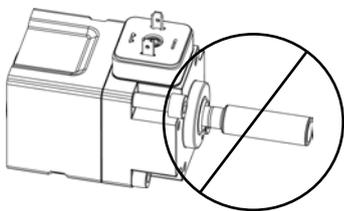
Always **prevent** the spool from turning in the valve house due to the damage risk on the spool.



4

C

E



5

B

F



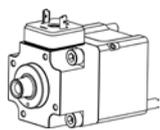
Remember that both piston rods are threaded in the same direction and if the piston rod on the B-side would loosen, **skip to step 9.**



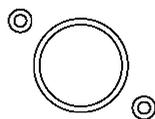
Do not pull the piston rod too far out from the positioner because of the risk of dirt entering the positioner house.

1. Clean around the area you will be working to avoid dirt in sensitive components.
2. Dismount the DA-module (A) that is located on the positioner (B) you need to access, using a philips PH2 screwdriver or equivalent.
3. Insert a 5mm hexagon wrench in the piston rod (C) on the positioner. Do the same on the positioner on the opposite side of the valve (in this case the B-side).
4. In this case, we want to loosen the piston rod (C) on the A-side of the valve. So hold the piston rod (D) on the B-side steady and try with a rapid jerking motion in the direction of the arrow (E) to loosen the piston rod on the A-side.
5. Unscrew the two M6 bolts (F) mounted diagonally opposite each other using a 5mm hexagon wrench. Pull out the positioner (B) with the piston rod left inside the positioner.

Contains



Positioner P8 (If ordered)



Seals (Included with positioner P8)

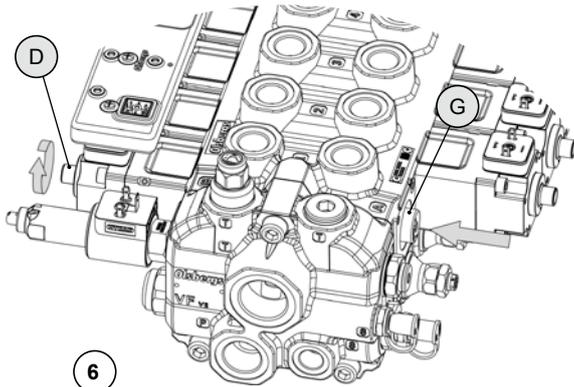


Spool (If ordered)

Positioner P8 and / or spool

Fits: All electrically operated Q-series valves with P8

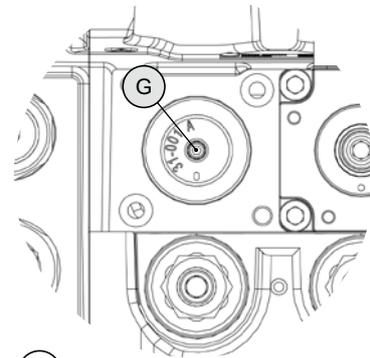
Consumption: One spool and two P8 units per valve section



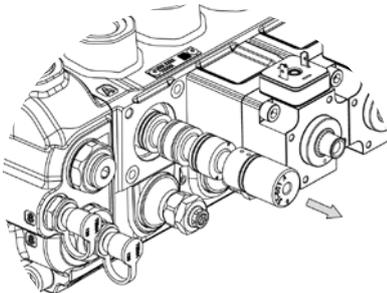
6



To just change the positioner skip to **step 14**.



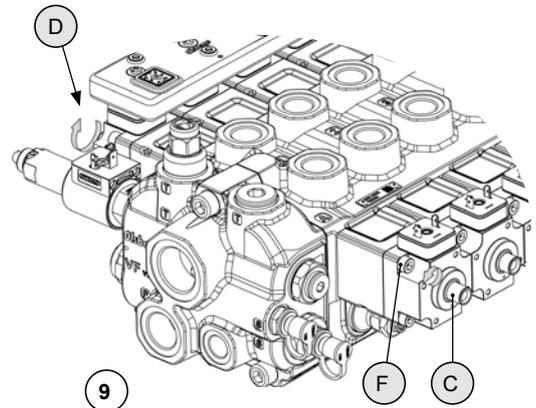
7



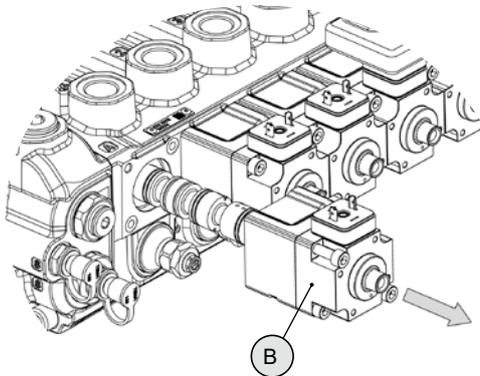
8



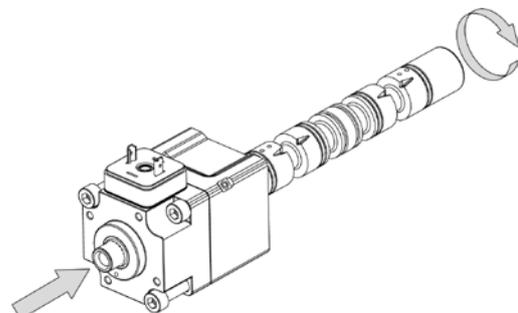
Always **prevent** the spool from turning in the valve house due to the damage risk on the spool.



9



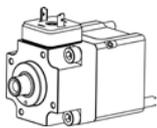
10



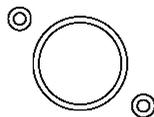
11

6. Insert a 5mm hexagon wrench in the spool end (G) on the A-side and one in the piston rod (D) on the B-side.
7. Hold the spool (G) steady (prevent it from turning) and loosen the piston rod.
8. Carefully pull out the spool from the valve.
9. In that case the wrong piston rod (D) has come loose from the spool, first loosen that piston rod (D) completely by clutching the piston rod (C) on the opposite side. Unscrew the two M6 bolts (F) mounted diagonally opposite each other using the 5mm hexagon wrench.
10. Pull out the whole positioner (B) with the spool attached to it.
11. Loosen the spool using two 5mm hexagon wrenches.

Contains



Positioner P8 (If ordered)



Seals (Included with positioner P8)



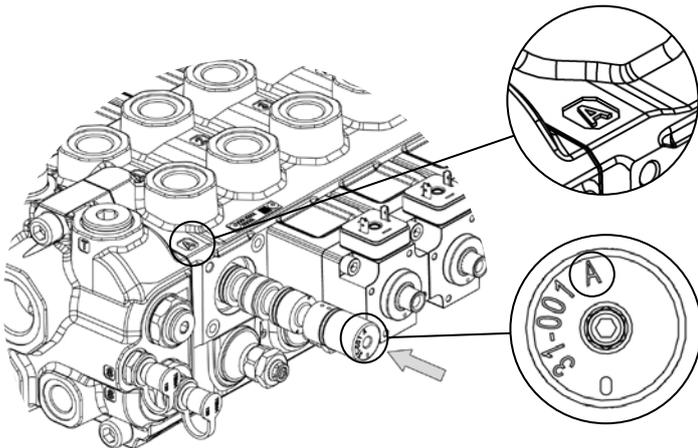
Spool (If ordered)

Positioner P8 and / or spool

Positioner P8 and / or spool

Fits: All electrically operated Q-serie valves with P8

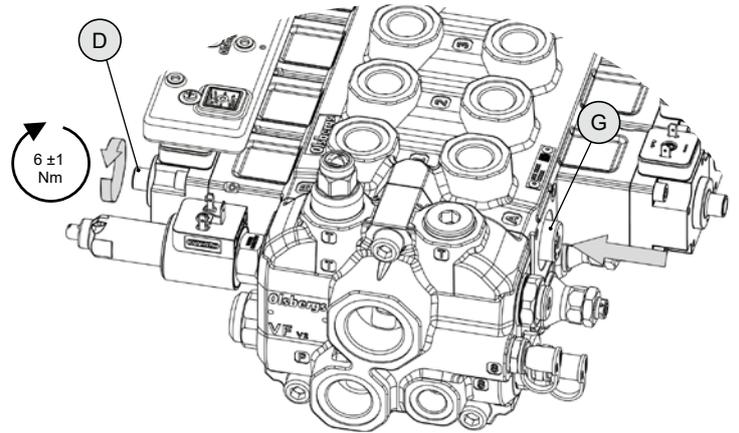
Consumption: One spool and two P8 units per valve section



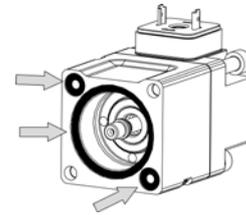
12



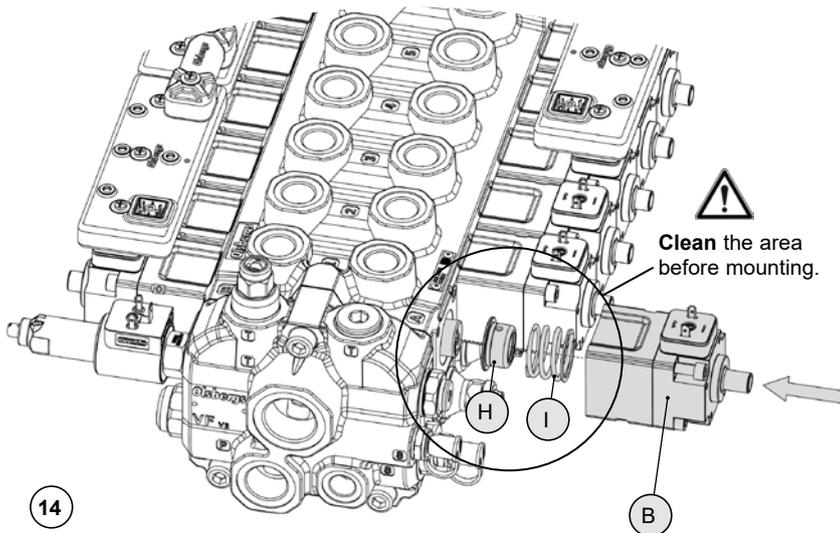
To make sure that the new or existing spool is mounted in the right direction, make sure that the label on the spool end **match the markings on the valve body**.



13

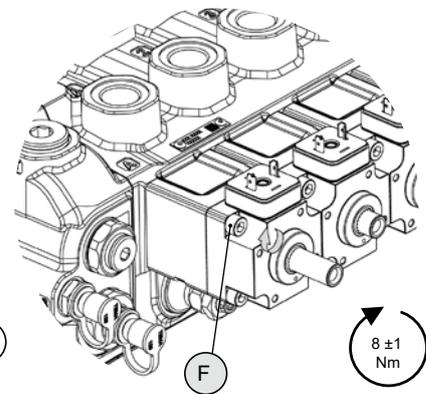


Before mounting the positioner, make sure that the three o-rings are fitted correctly.



14

B



15

F

8 ± 1 Nm

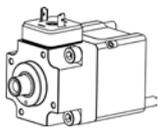
12. Push the new or existing spool back into the valve and make sure that the label on the spool end matches the label on the valve when it's in position.

13. Use a 5mm hexagon wrench to hold the spool (G) steady (prevent it from turning) and tighten the piston rod (D) with torque 6 ± 1 Nm using the other 5mm hexagon wrench.

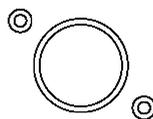
14. Mount the new or existing positioner (B), make sure that the spring holder (H) and the spring (I) inside the positioner are mounted correctly against the spool.

15. Tighten the two M6 bolts (F) mounted diagonally opposite each other on the positioner with torque 8 ± 1 Nm using a 5mm hexagon wrench.

Contains



Positioner P8 (If ordered)



Seals (Included with positioner P8)



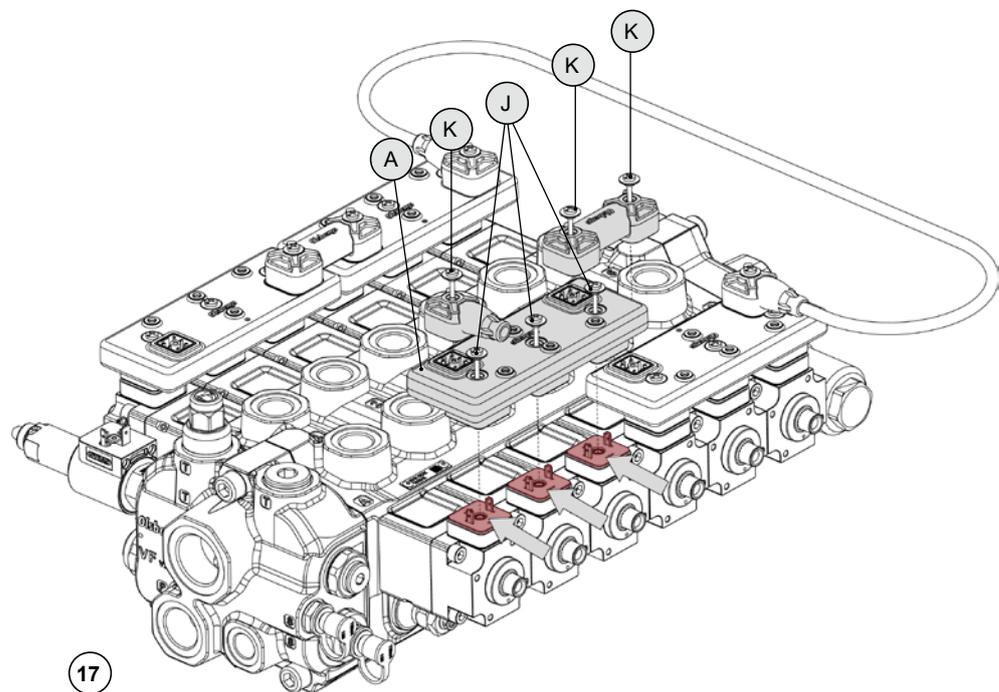
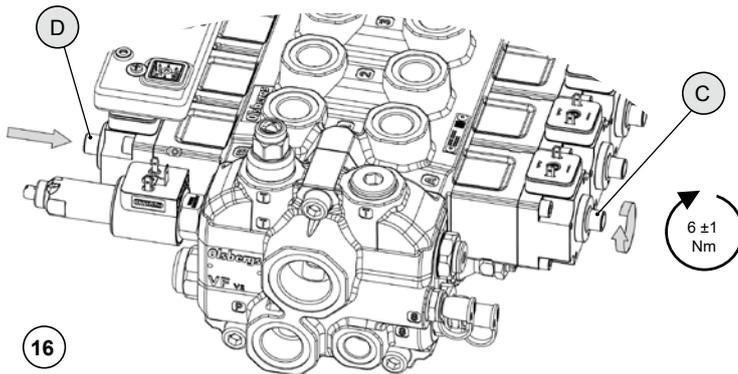
Spool (If ordered)

Positioner P8 and / or spool

Positioner P8 and / or spool

Fits: All electrically operated Q-series valves with P8

Consumption: One spool and two P8 units per valve section

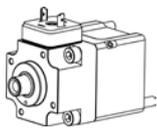


16. Hold the piston rod (D) steady by using a 5mm hexagon wrench to prevent the spool from turning inside the valve. Push in the piston rod (C) and tighten it with torque 6 ± 1 Nm using the other 5mm hexagon wrench.

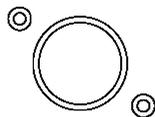
17. Before remounting DA-module (A), check the contact pins on the positioners and grease the contacts. Remount the DA-module and tighten the M3 bolts (J) very gently, using a manual screwdriver (**Do not use any power tool**). Stop tightening when the resistance increases and the DA-module are tight together against the gasket on the positioner.

Then grease the cable contacts / termination plugs and connector bridges before remounting. Remount the cables / termination plugs and connector bridges and tighten the M3 bolts (K) very gently, using a manual screwdriver (**Do not use any power tool**). Stop tightening when the resistance increases and the cable contact / termination plug or connector bridge are tight together against the DA-module.

Contains



Positioner P8 (If ordered)



Seals (Included with positioner P8)



Spool (If ordered)

Positioner P8 and / or spool