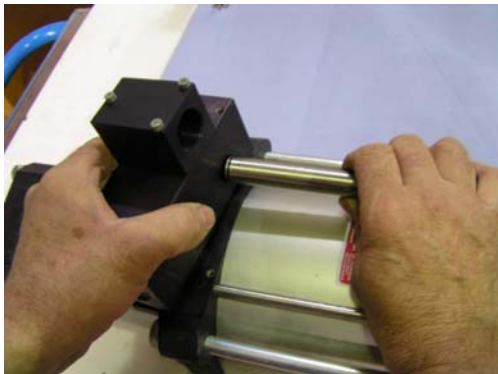


1.1 Spool valve

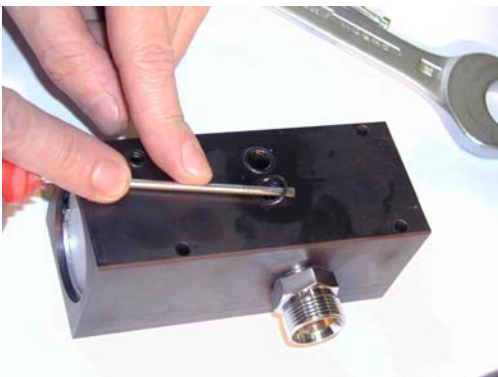
1.1.1 Dismantling



Loosen the socket head screws in the spool valve housing.



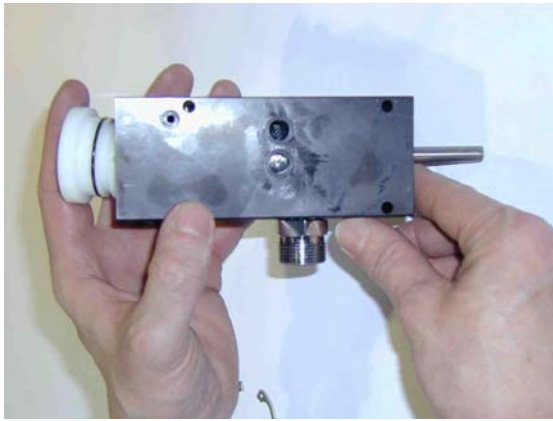
The air pipes are only loosely pushed in and can smoothly be withdrawn from the spool valve housing and the intermediate cover.



Remove the O rings that seal the top cover.



Dismantle the locking ring at the spool valve housing with suitable locking ring pliers. (The ring is located opposite the compressed air inlet).



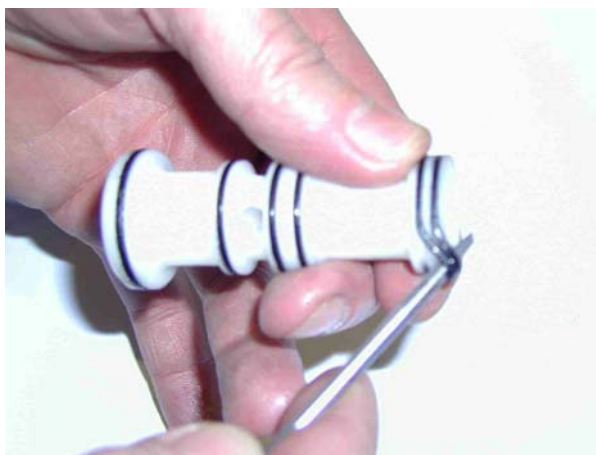
Use a mandrel to force out the spool valve sleeve with light strokes of the spool valve housing.
Caution: Make sure to avoid damaging the servo-spool.
Preferably use a plastic or wooden mandrel.

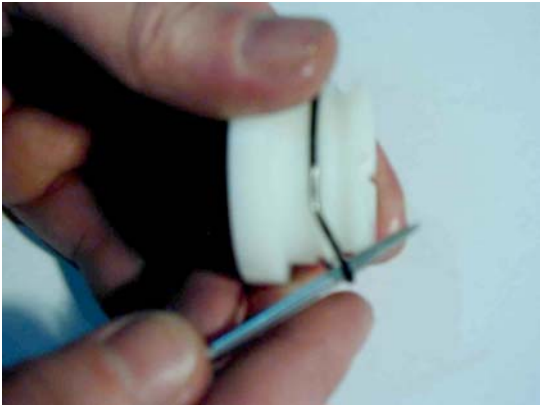
The O rings on the spool valve sleeve are statically sealing, i.e. they are not subject to wear and tear. This means that the spool valve sleeve has only to be dismantled when it is damaged. Use a mandrel to force the spool valve sleeve out of the spool valve housing.

Caution: Make sure to avoid damaging the spool valve sleeve. Preferably use a plastic or wooden mandrel with an appropriate diameter.



Remove the O rings from the spool and, if applicable, from the spool valve sleeve.





Remove the O ring from the sealing cap.

1.1.2 Assembly

Check all components for damage and replace them as required. There must not be any scoring at the spool valve sleeve.



Grease all O rings.



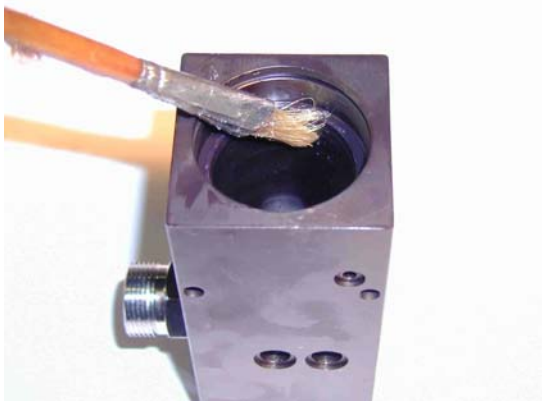
Slip the O rings onto the servo-valve, sealing cap and, if applicable, the spool valve sleeve.



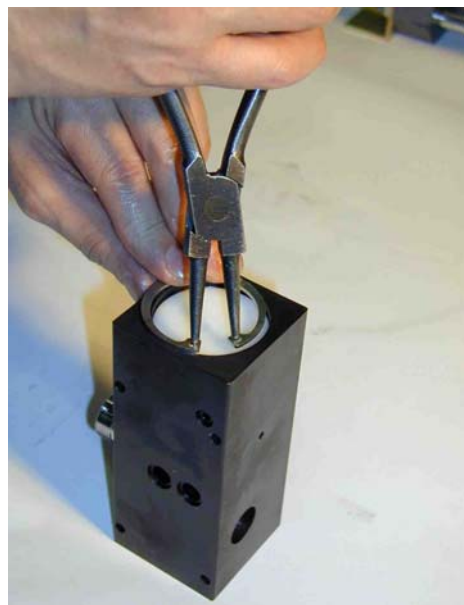
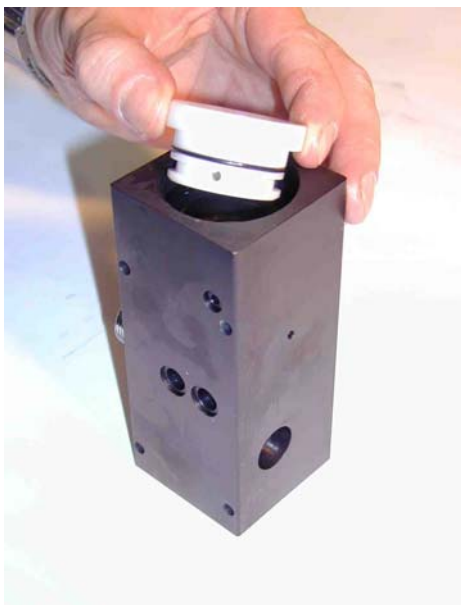
Grease the spool valve sleeve well, even when it is still installed. Insert the spool with rotating motions into the spool valve sleeve.



If applicable, grease the spool valve housing internally and install the spool valve sleeve with slight rotating motions into the spool valve housing.



Re-insert the sealing cap into the spool valve housing and fasten it with the locking ring.



Use a small quantity of grease to “glue” the O rings for the sealing between spool valve housing and top cover into the O ring nests.



Re-attach the spool onto the DLE. During the process, guide the air pipes into the spool valve housing.



Place the 4 socket head screws to fasten the spool valve housing and tighten the screws with 5 Nm.