

Assembly/Disassembly QF150 Pump Chamber/Elastomers/Shaft-Bearing-Cap-Unit incl. Tool List

1) Assembly/disassembly pump chamber QF15CU				
No.	Work Step	Component	Pos.-No.	Tool
1 / 4	Unscrew/tighten up the locking screw	PQ15A	1.5	Hex tip screw driver (5mm)
2 / 3	Unscrew/tighten up the hexagon socket head cap screw	QF15CU	2.6	Hex tip screw driver (2.5mm)
3 / 2	Unscrew/tighten up the hexagon socket head cap screws	QF15CU	2.9	Hex tip screw driver (3mm)
4 / 1	Assemble/take out the whole component QF15CU			

2) Replacing elastomers				
No.	Work Step	Component	Pos.-No.	Tool
1 / 8	Disassemble/assemble pump chamber, as described at 1)			
2 / 7	Unscrew/tighten up the slotted cheese head screw	QF15CU	2.7	Screwdriver for slotted cheese head screw
3 / 6	Remove the diaphragm-housing-cover, clamp-ring and diaphragms	QF15CU	2.4, 2.5, 2.1.1	
4 / 5	Change the diaphragms by unscrewing them/tightening them up	QF15CU	2.1.1, 2.5	
5 / 4	Take out/assemble the valve-plate and the o-rings of/into the pump-housing	QF15CU	2.3, 2.1.2, 2.1.3, 2.1.4.1, 2.1.4.2	
6 / 3	Change the outlet-valve by unscrewing/tightening up the hexagon socket head cap screw	QF15CU	2.1.3, 2.8	Hex tip screw driver (2.5 mm)
7 / 2	Change the inlet-valve inside the valve-plate	QF15CU	2.1.2, 2.3	Needle nose pliers
8 / 1	Change the o-rings inside the pump-housing	QF15CU	2.1.4.1, 2.1.4.2, 2.2	
9 / 2	Unscrew/tighten up the hexagon socket head cap screw	QF15CU	3.2	
10 / 1	Change the o-rings of the connectors	QF15CU	2.1.4.3, 3.1	Hex tip screw driver (3 mm)

3) Replacing shaft-bearing-cap-unit				
No.	Work Step	Component	Pos.-No.	Tool
1 / 6	Disassemble/assemble pump chamber, as described at 1)			
2 / 5	Unscrew/tighten up the hexagon socket head cap screw	PQ15A	1.7	Hex tip screw driver (3mm)
3 / 4	Take out/assemble the whole component PQ15A	PQ15A		
4 / 3	Unscrew/tighten up the hexagon socket head cap screw of the coupling, while assembling please note the lash for the coupling (sketch below)	PQ15G	5.3.2	Hex tip screw driver (2.5mm)
5 / 2	Unscrew/tighten up the hexagon socket head cap screw, while assembling of fixingring (Pos. 1.1.2) use the mounting aid which is shown in the sketch below	PQ15A, PSKITWLC155	1.6, 1.1.2	Hex tip screw driver (3mm) (mounting aid)
6 / 1	Assemble/take out the shaft-bearing-cap-unit	PQ15A	1.1.1 – 1.1.6	



