

## Assembly/Disassembly QF1200 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	PQ12A	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 / 11	Disassemble/assemble pump chamber, as described at 1)			
2 / 10	Unscrew/tighten up the hexagon socket head cap screw	QF12CU	2.8	Hex tip screw driver (4mm)
3 / 9	Remove the diaphragm-housing-cover, clamp-ring and diaphragms	QF12CU	2.3, 2.4, 2.6.1	
4 / 8	Unscrew/tighten up the hexagon socket head cap screw	QF12CU	2.10	Hex tip screw driver (4 mm)
5 / 7	Change the diaphragms by unscrewing/tightening up the diaphragm-supports	QF12CU	2.1.1, 2.5	
6 / 6	Take out/assemble the valve-plate and the o-rings of/into the pump-housing	QF12CU	2.2, 2.6.2, 2.6.3, 2.6.4.2, 2.6.4.3	
7 / 5	Change the outlet-valve by unscrewing/tighten up the hexagon socket head cap screw	QF12CU	2.6.3, 2.9	Hex tip screw driver (3 mm)
8 / 4	Change the inlet-valve inside the valve-plate	QF12CU	2.6.2, 2.2	needle nose pliers
9 / 3	Change the o-rings inside the pump-housing	QF12CU	2.6.4.2, 2.6.4.3, 2.2	
10 / 2	Unscrew/tighten up the hexagon socket head cap screw	QF12CU	3.2	Hex tip screw driver (4 mm)
11 / 1	Change the o-rings of the connectors	QF12CU	3.1, 2.6.4.1	

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 hex-bolt	PQ12A	1.7	open-end spanner (A/F 13)
3 / 4	Take out/assemble the whole component PQ12A	PQ12A		
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)	PQ12G	5.6.2	Hex tip screw driver (2.5mm)
5 / 2	Unscrew/tighten up the hexagon socket head cap screw, while assembling of fixingring (Pos. 1.1.3) use the mounting aid which is shown in the sketch below	PQ12A, PSKITWLC125	1.6, 1.1.3	Hex tip screw driver (4mm) (mounting aid)
6 / 1	Take out/assemble the shaft-bearing-cap-unit	PQ12A	1.1.1 – 1.1.9	



