

EC209 - ss9SQ

COVERSHEET

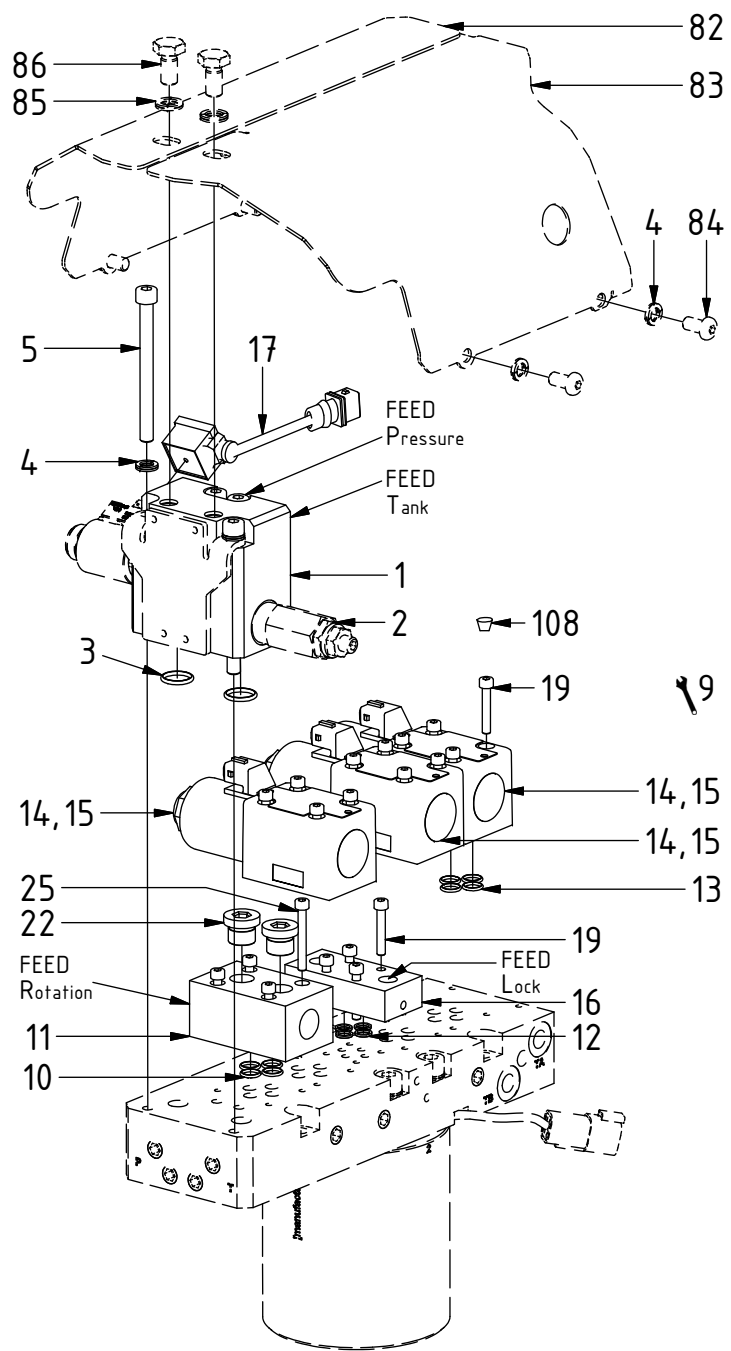


Planned document changes:

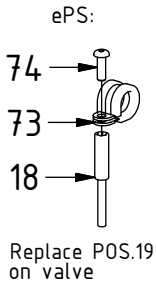
Breifly: _____
No planned changes.

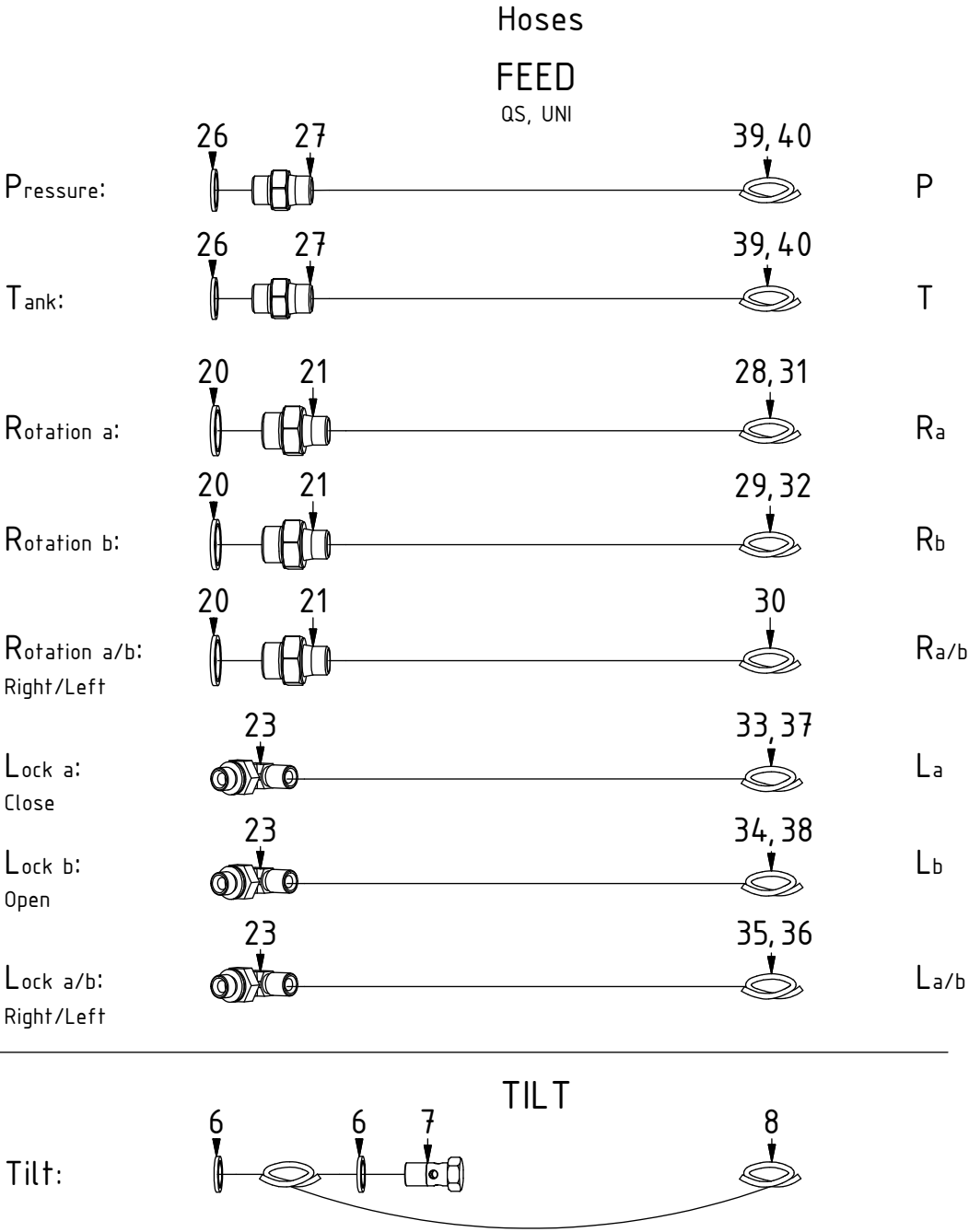
Document changes:

Date:	Change:	Rev. after change:
2023-08-30	O-rings corrected.	D
2022-07-04	Valves updated.	C
2022-02-25	Layout/irrelevant.	B
2021-07-05	Option SX hose kit added.	A
2021-04-15	New instruction.	-

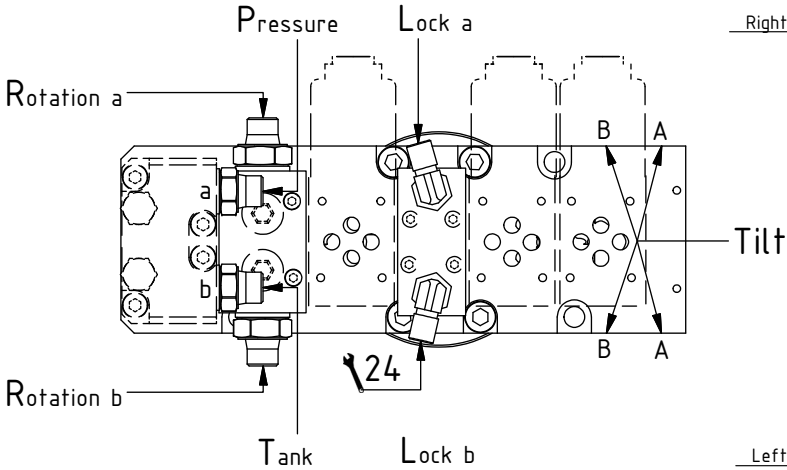


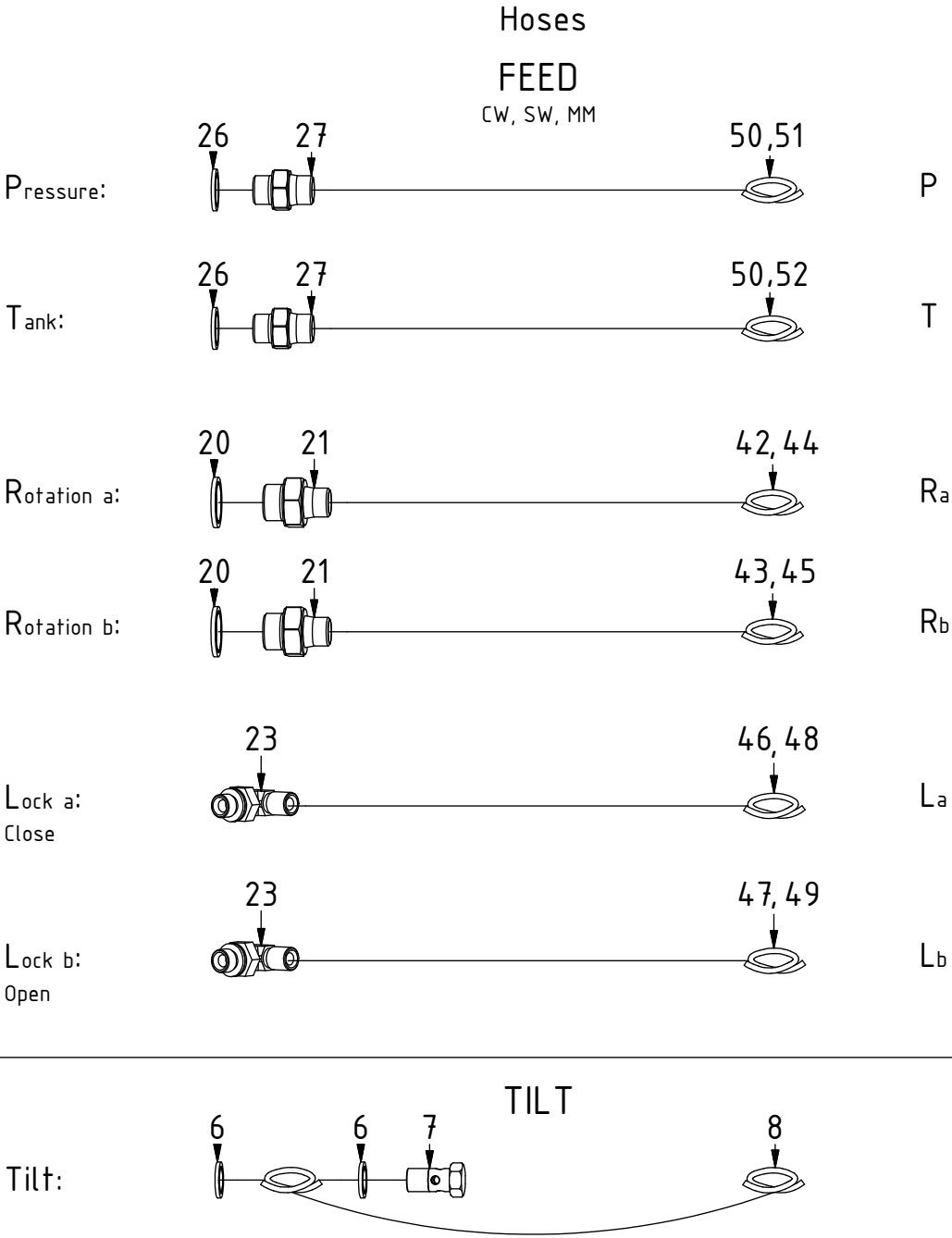
POS	DESCRIPTION	PART	QTY	COMMENTS
1	Dumper block 12V EC209 Complete	1019709	1	(Dump & POS.2 included)
2	Dual relief valve 1CLR100	730287	1	
3	O-ring NBR 70	712402	2	
4	Washer NL 8mm	611040	8	QTY: 4 part of make up
5	MC6S M8x90 12.9	610444	4	
9	For option XP, SX, ST			See p.13 for XP, p.14 SX, p.15 ST
10	O-ring 9,25x1,78	710901	4	
11	Connection block 1/2"	405670	1	
12	O-ring 7,65x1,78	710960	4	
13	O-ring 8,75x1,78	710959	12	
14	Directional valve closed 12V	7001619	3	(POS.13 included)
15	Directional valve closed 24V	7001618	3	(POS.13 included)
16	Connectionblock NG4	1009586	1	
17	Adapter cabel-Hirschmann-Amp	302971	1	
18	Valve spacer ePS	1034402	1	Torque: 9,7Nm
19	MC6S M5x30 12.9	610403	16	Torque: 9,7Nm
22	Plug 70125-06 (3/8'')	711504	2	
25	MC6S M5x40 12.9	610405	4	
73	Rubber steel clamp ø16	6000009	1	
74	K6S M5x16 10.9 FZB	611818	1	Torque: 8,1Nm
82	Protective cover EC209 right	1016515	1	
83	Protective cover EC209 left	1016516	1	
84	K6S M8x16 10.9 FZB	611810	4	
85	Washer NL 10mm	611041	6	
86	M6S M10x20 8,8 FZB	610141	2	
108	Plastic plug (red) for valves	790156	12	



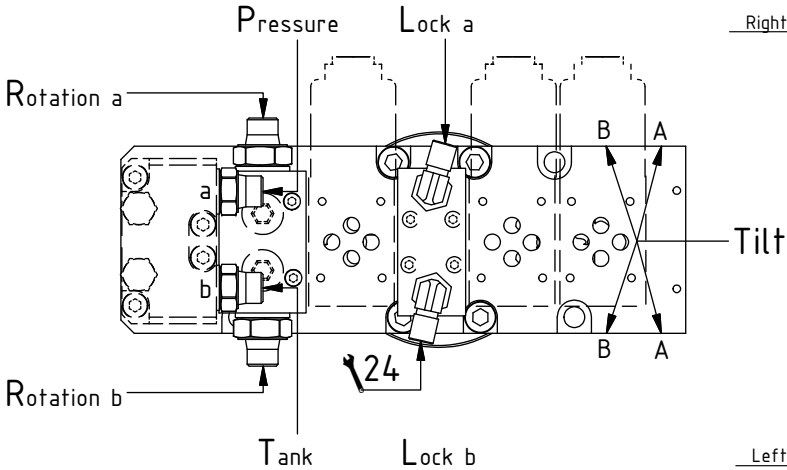


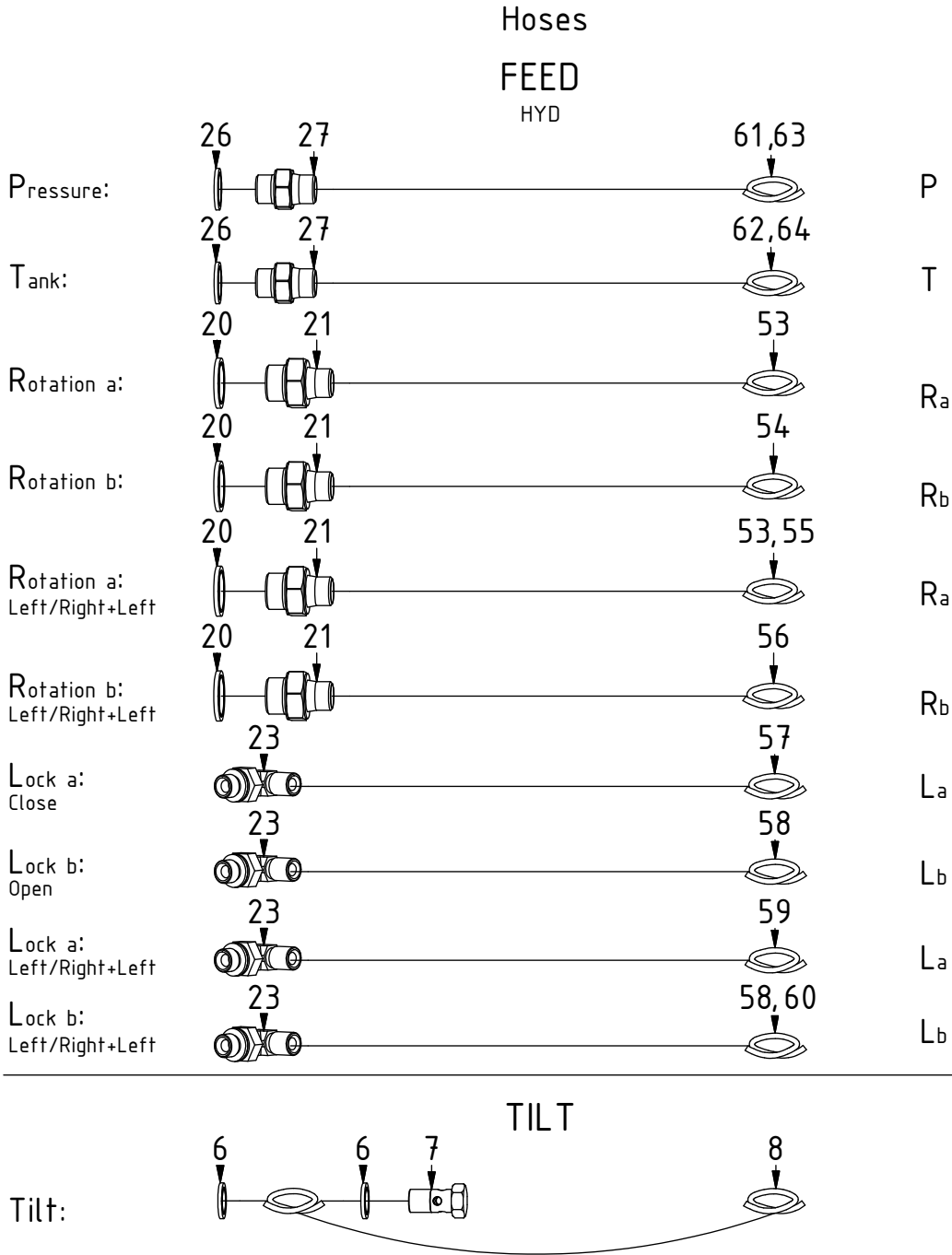
POS	DESCRIPTION	PART	QTY	COMMENTS
6	Washer GBR04 1/4	710702	8	
7	Banjo bolt 4451-04 (1/4")	710271	4	
8	Hose Tilt	7000791	4	
9	For option XP, SX, ST			See p.13 for XP, p.14 SX, p.15 ST
20	Washer GBR08 1/2	710704	2	
21	Adapter 135-06-08	710122	2	
23	Adapter 401-04-04 90° (1/4")	710151	2	
24	For UNI, CW, SW			Angle straight down
26	Washer GBR06 3/8	710703	2	
27	Adapter 136-06-06 (3/8")	710106	2	
28	Hose Rot. a - QS45/50	7000487	1	
29	Hose Rot. b - QS45/50	7000496	1	
30	Hose Rot. Right / Left - QS45/50	7000488	1	Replaces "a" for Rot. Left Replaces "b" for Rot. Right
31	Hose Rot. a - UNI	7000039	1	
32	Hose Rot. b - UNI	7000040	1	
33	Hose Lock a - QS45/50	7000489	1	
34	Hose Lock b - QS45/50	7000490	1	
35	Hose Lock Right a - QS45/50	7000500	1	
36	Hose Lock Left b - QS45/50	7000605	1	
37	Hose Lock a - UNI	7000797	1	(same for Lock Right/Left)
38	Hose Lock b - UNI	7000041	1	(same for Lock Right/Left)
39	Hose Feed - QS45/50	7000012	2	QTY: 1 for Feed Right/Left
40	Hose Feed Right/Left - QS45/50	742814	1	For Right: a-side. For Left: b-side
41	Hose Feed - UNI	742855	2	(Same for Feed Right/Left)



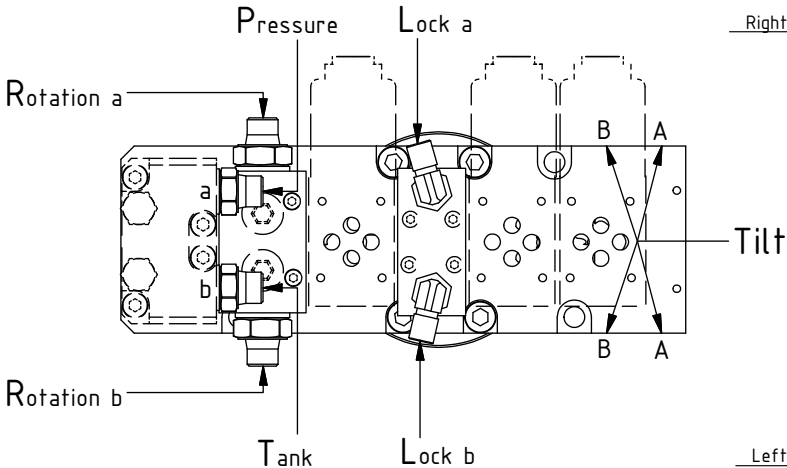


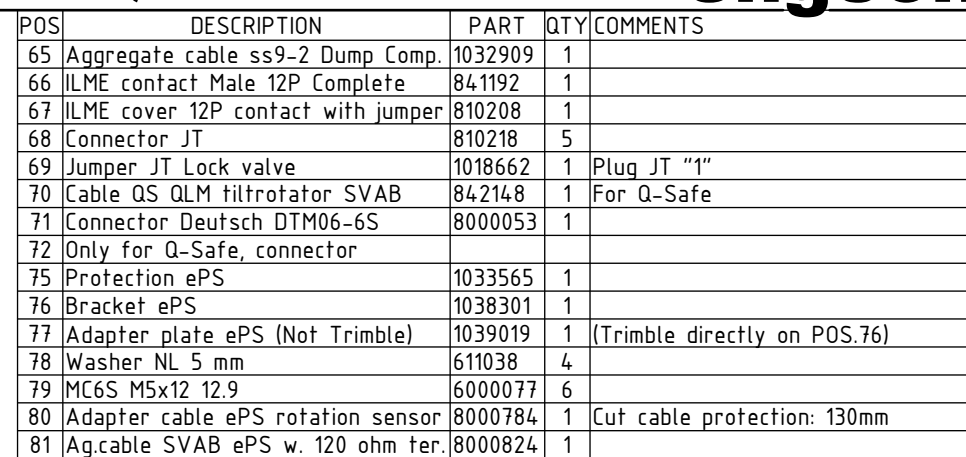
POS	DESCRIPTION	PART	QTY	COMMENTS
6	Washer GBR04 1/4	710702	8	
7	Banjo bolt 4451-04 (1/4")	710271	4	
8	Hose Tilt	7000791	4	
9	For option XP, SX, ST			See p.13 for XP, p.14 SX, p.15 ST
20	Washer GBR08 1/2	710704	2	
21	Adapter 135-06-08	710122	2	
23	Adapter 401-04-04 90° (1/4")	710151	2	
24	For UNI, CW, SW			Angle straight down
26	Washer GBR06 3/8	710703	2	
27	Adapter 136-06-06 (3/8")	710106	2	
42	Hose Rot. a - CW10, SW33	7000407	1	
43	Hose Rot. b - CW10, SW33	7000707	1	
44	Hose Rot. a - Menzi Muck	7000758	1	
45	Hose Rot. b - Menzi Muck	7000759	1	
46	Hose Lock a - CW10, SW33	7000708	1	
47	Hose Lock b - CW10, SW33	7000709	1	
48	Hose Lock a - Menzi Muck	7000760	1	
49	Hose Lock b - Menzi Muck	7000761	1	
50	Hose Feed - CW10, SW33	7000406	2	
51	Hose Feed - Menzi Muck (P)	7000756	1	
52	Hose Feed - Menzi Muck (T)	7000757	1	



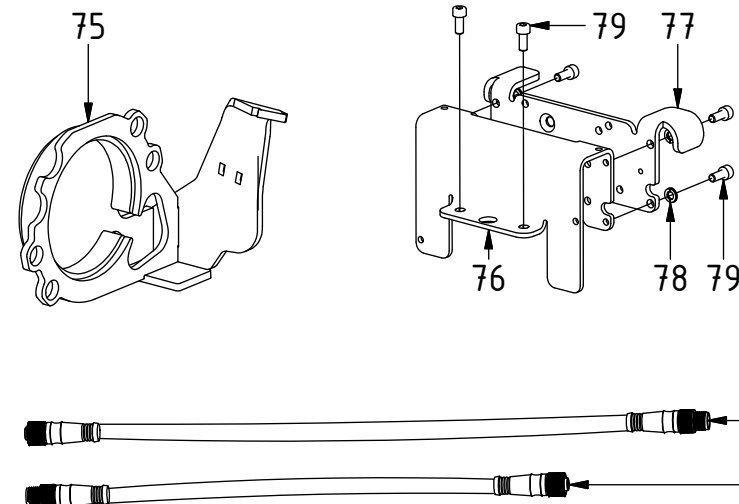


POS	DESCRIPTION	PART	QTY	COMMENTS
6	Washer GBR04 1/4	710702	8	
7	Banjo bolt 4451-04 (1/4")	710271	4	
8	Hose Tilt	7000791	4	
9	For option XP, SX, ST			See p.13 for XP, p.14 SX, p.15 ST
20	Washer GBR08 1/2	710704	2	
21	Adapter 135-06-08	710122	2	
23	Adapter 401-04-04 90° (1/4")	710151	2	
26	Washer GBR06 3/8	710703	2	
27	Adapter 136-06-06 (3/8")	710106	2	
53	Hose Rot. a - HYD	7000600	1	(same for Rot. Right+Left)
54	Hose Rot. b - HYD	7000601	1	
55	Hose Rot. Left a - HYD	7000488	1	Rot. Left: Replace POS.53
56	Hose Rot. Left b - HYD	7000609	1	Rot. Left & Rot. Right+Left: Replace POS.54
57	Hose Lock a - HYD	7000334	1	
58	Hose Lock b - HYD	7000008	1	(same for Lock Right+Left)
59	Hose Lock Left a - HYD	7000002	1	Lock Left & Lock Right+Left: Replace POS.57
60	Hose Lock Left b - HYD	7000652	1	Lock Left: Replace POS.58
61	Hose Feed - HYD (P)	7000012	1	(same for Feed Right+Left)
62	Hose Feed - HYD (T)	742814	1	
63	Hose Feed Right - HYD (P)	7000650	1	Feed Right: Replace POS.61
64	Hose Feed Right - HYD (T)	7000608	1	Feed Right & Feed Right+Left: Replace POS.62

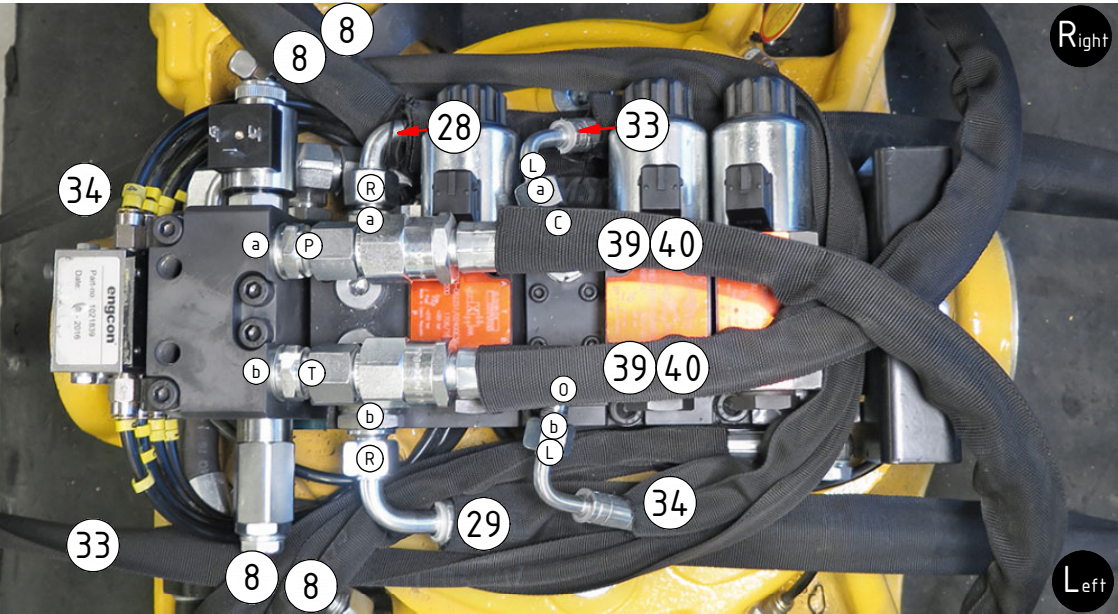




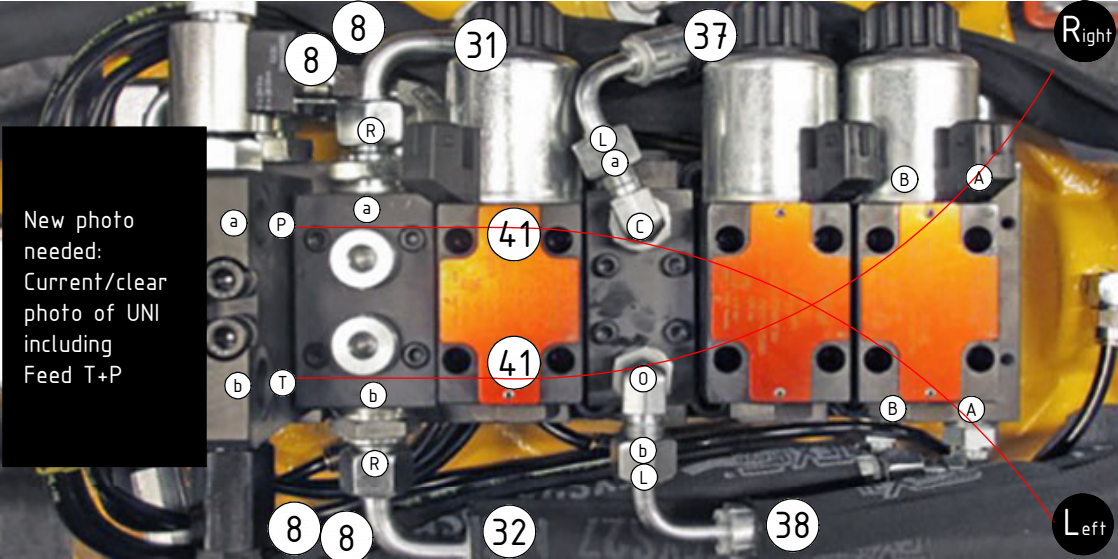
ePS:



Hoses
QS45/50



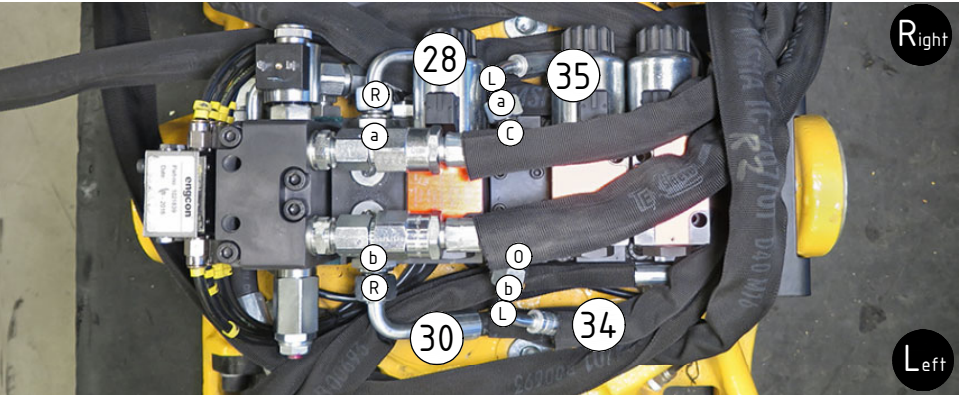
UNI



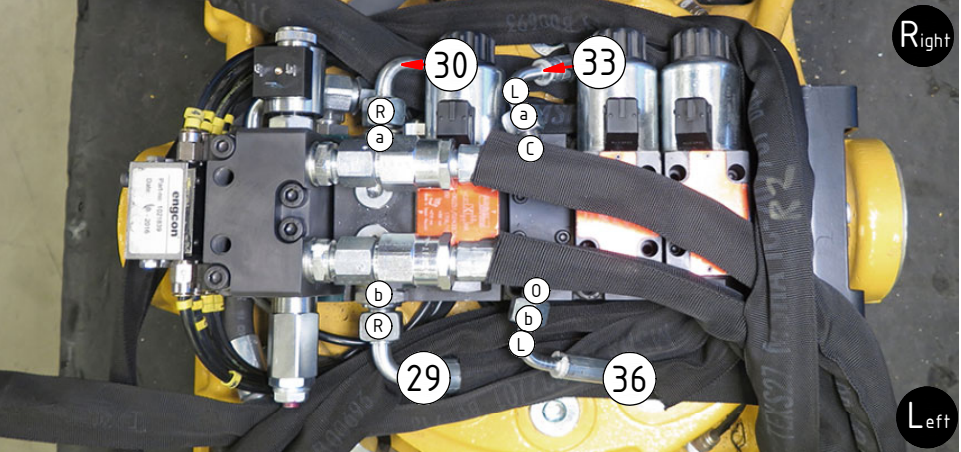
New photo needed:
Current/clear
photo of UNI
including
Feed T+P

POS	DESCRIPTION	PART	QTY	COMMENTS
8	Hose Tilt	7000791	4	
28	Hose Rot. a - QS45/50	7000487	1	
29	Hose Rot. b - QS45/50	7000496	1	
30	Hose Rot. Right / Left - QS45/50	7000488	1	Replaces "a" for Rot. Left Replaces "b" for Rot. Right
31	Hose Rot. a - UNI	7000039	1	
32	Hose Rot. b - UNI	7000040	1	
33	Hose Lock a - QS45/50	7000489	1	
34	Hose Lock b - QS45/50	7000490	1	
35	Hose Lock Right a - QS45/50	7000500	1	
36	Hose Lock Left b - QS45/50	7000605	1	
37	Hose Lock a - UNI	7000797	1	(same for Lock Right/Left)
38	Hose Lock b - UNI	7000041	1	(same for Lock Right/Left)
39	Hose Feed - QS45/50	7000012	2	QTY: 1 for Feed Right/Left
40	Hose Feed Right/Left - QS45/50	742814	1	For Right: a-side. For Left: b-side
41	Hose Feed - UNI	742855	2	(Same for Feed Right/Left)

QS45/50 Rot. Right / Lock Right:

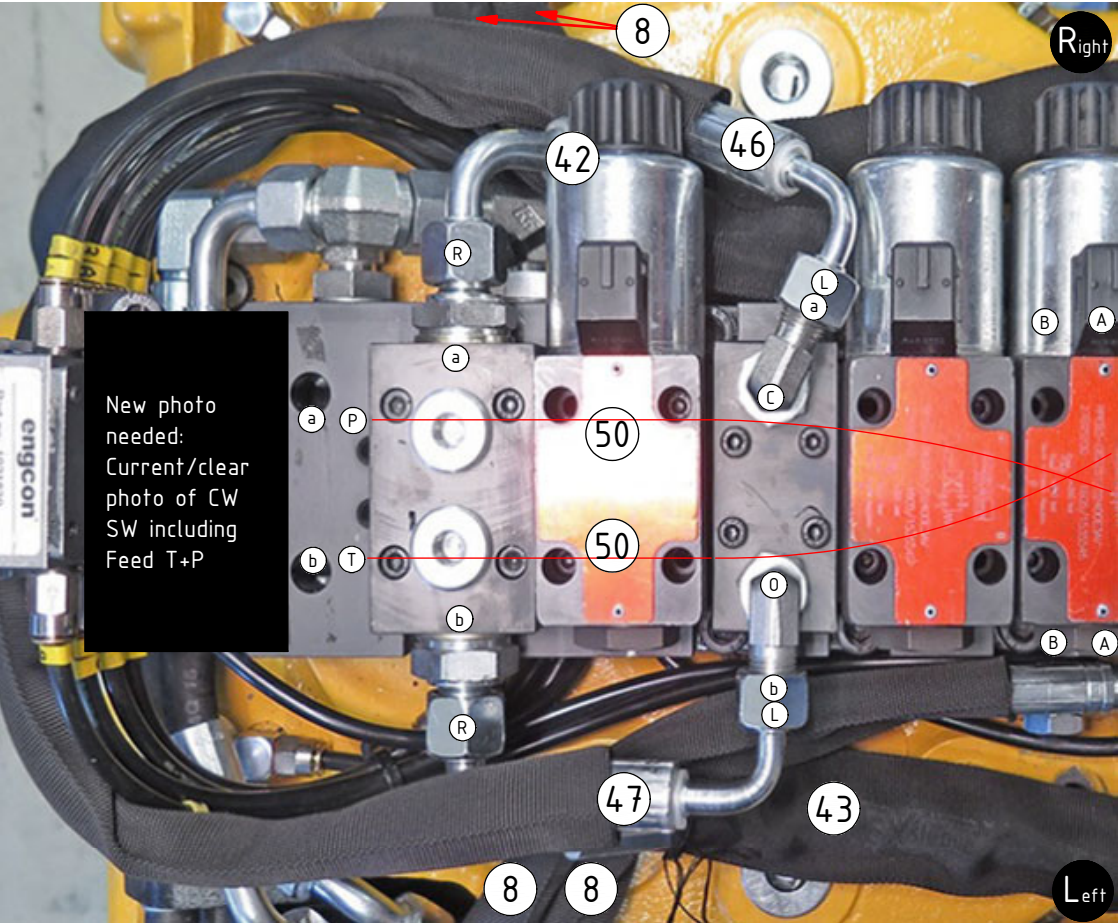


QS45/50 Rot. Left / Lock Left:



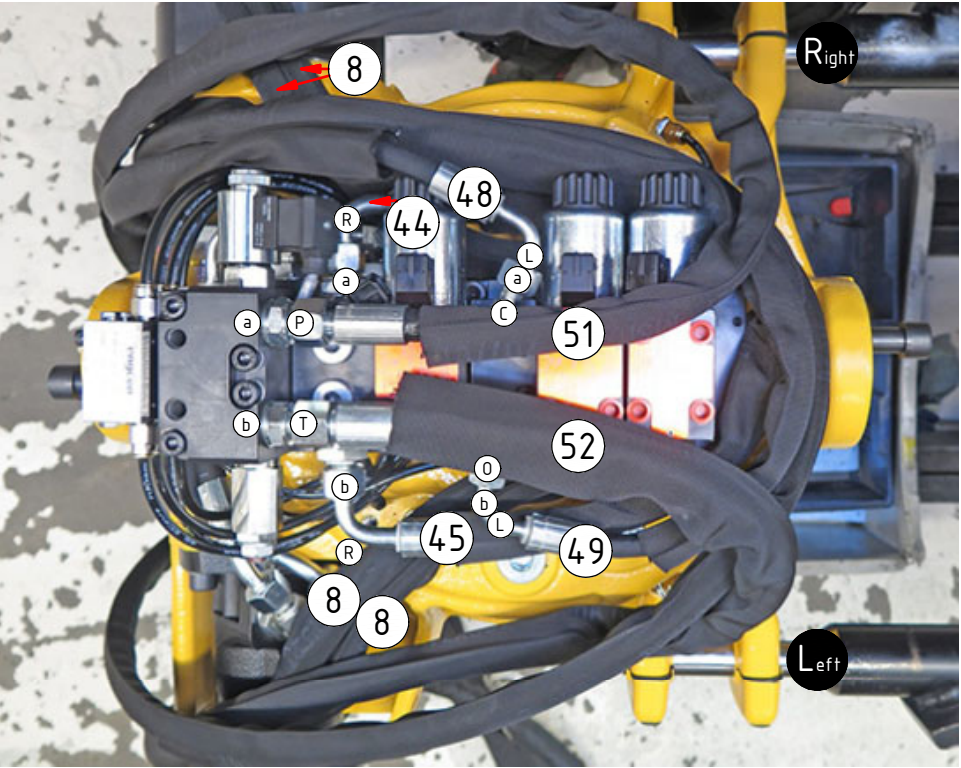
Dashed lines for overview, mounts on other pages/assemblies. indicates instruction. represents hose.

Hoses
CW10, SW33



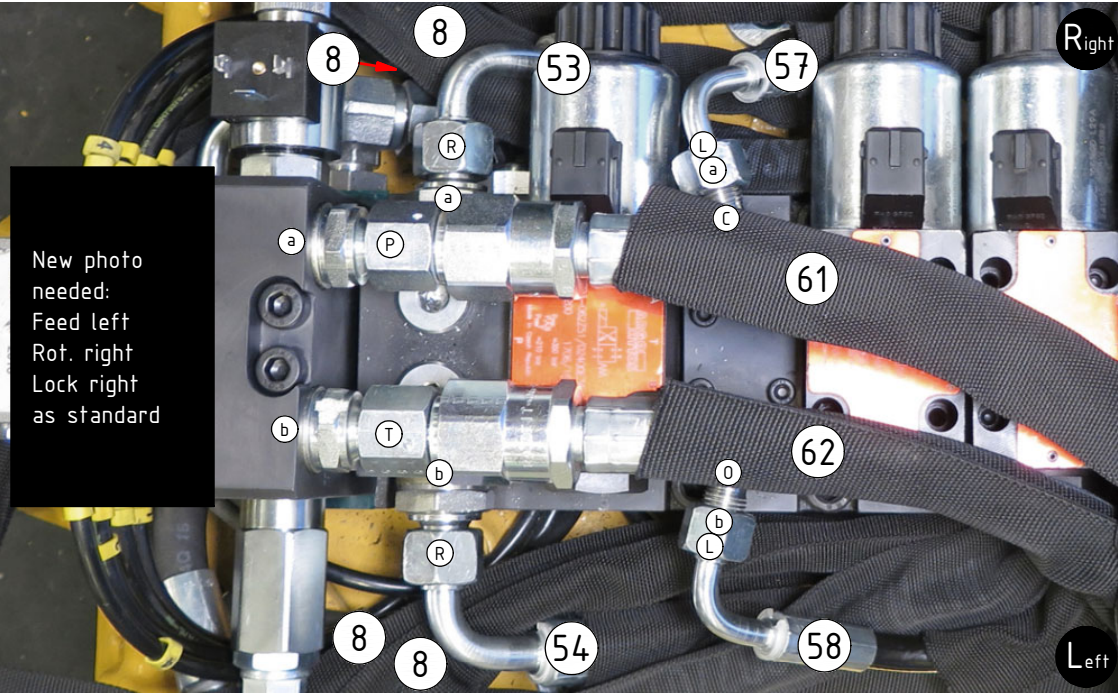
POS	DESCRIPTION	PART	QTY	COMMENTS
8	Hose Tilt	7000791	4	
42	Hose Rot. a - CW10, SW33	7000407	1	
43	Hose Rot. b - CW10, SW33	7000707	1	
44	Hose Rot. a - Menzi Muck	7000758	1	
45	Hose Rot. b - Menzi Muck	7000759	1	
46	Hose Lock a - CW10, SW33	7000708	1	
47	Hose Lock b - CW10, SW33	7000709	1	
48	Hose Lock a - Menzi Muck	7000760	1	
49	Hose Lock b - Menzi Muck	7000761	1	
50	Hose Feed - CW10, SW33	7000406	2	
51	Hose Feed - Menzi Muck (P)	7000756	1	
52	Hose Feed - Menzi Muck (T)	7000757	1	

Menzi Muck

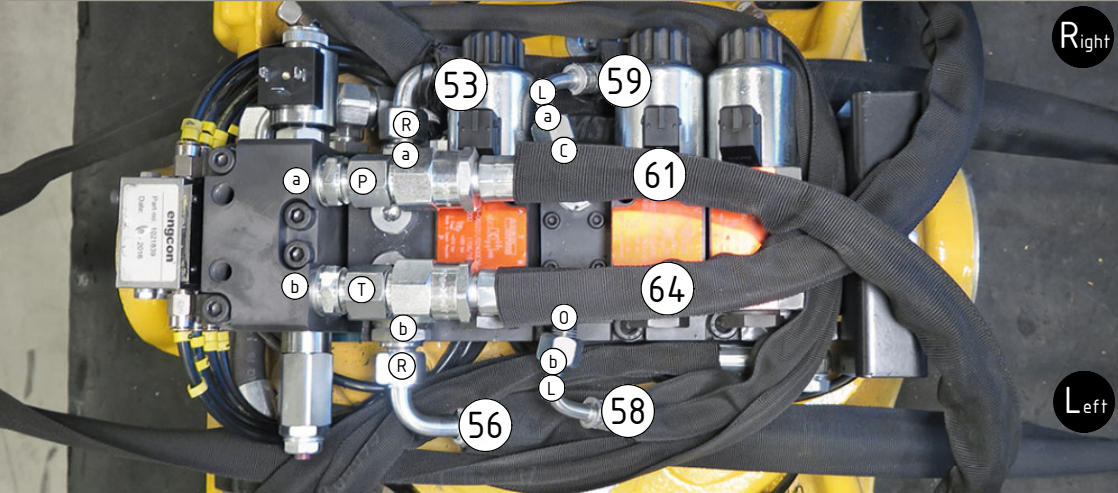


Rotation hoses crossed behind valve block, all hoses go to the left.

Hoses
HYD

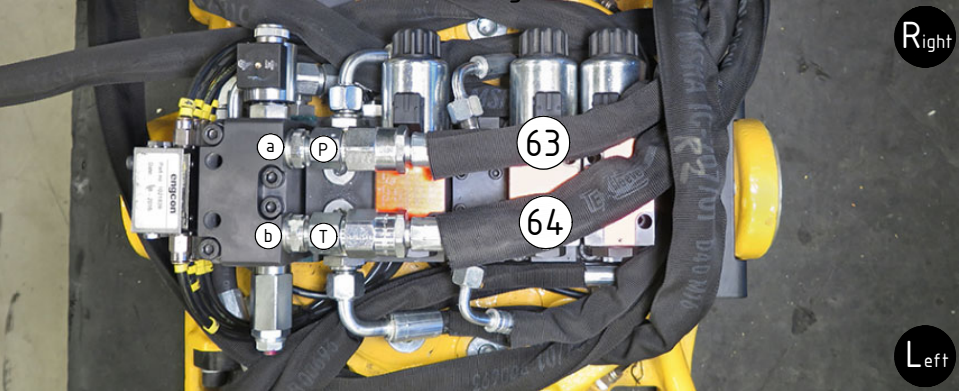


Feed Right+Left / Rot. Right+Left / Lock Right+Left:

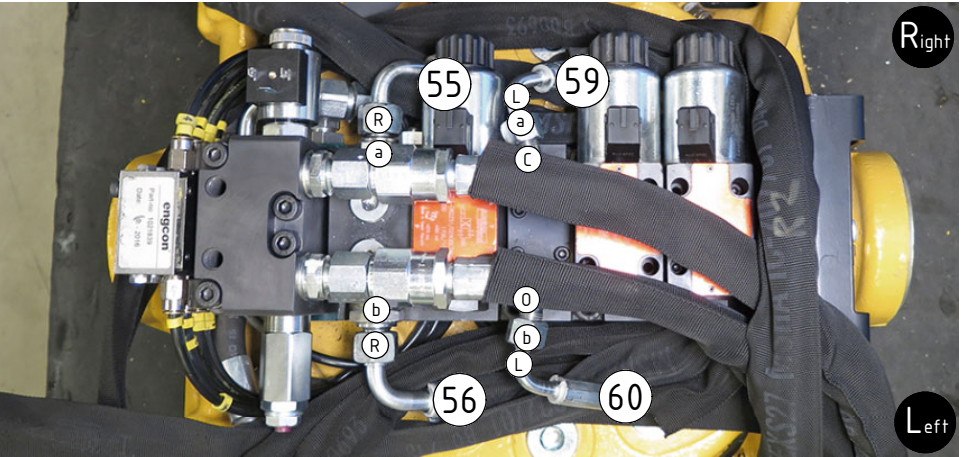


POS	DESCRIPTION	PART	QTY	COMMENTS
8	Hose Tilt	7000791	4	
53	Hose Rot. a - HYD	7000600	1	(same for Rot. Right+Left)
54	Hose Rot. b - HYD	7000601	1	
55	Hose Rot. Left a - HYD	7000488	1	Rot. Left: Replace POS.53
56	Hose Rot. Left b - HYD	7000609	1	Rot. Left & Rot. Right+Left: Replace POS.54
57	Hose Lock a - HYD	7000334	1	
58	Hose Lock b - HYD	7000008	1	(same for Lock Right+Left)
59	Hose Lock Left a - HYD	7000002	1	Lock Left & Lock Right+Left: Replace POS.57
60	Hose Lock Left b - HYD	7000652	1	Lock Left: Replace POS.58
61	Hose Feed - HYD (P)	7000012	1	(same for Feed Right+Left)
62	Hose Feed - HYD (T)	742814	1	
63	Hose Feed Right - HYD (P)	7000650	1	Feed Right: Replace POS.61
64	Hose Feed Right - HYD (T)	7000608	1	Feed Right & Feed Right+Left: Replace POS.62

Feed Right:



Rot. Left / Lock Left:

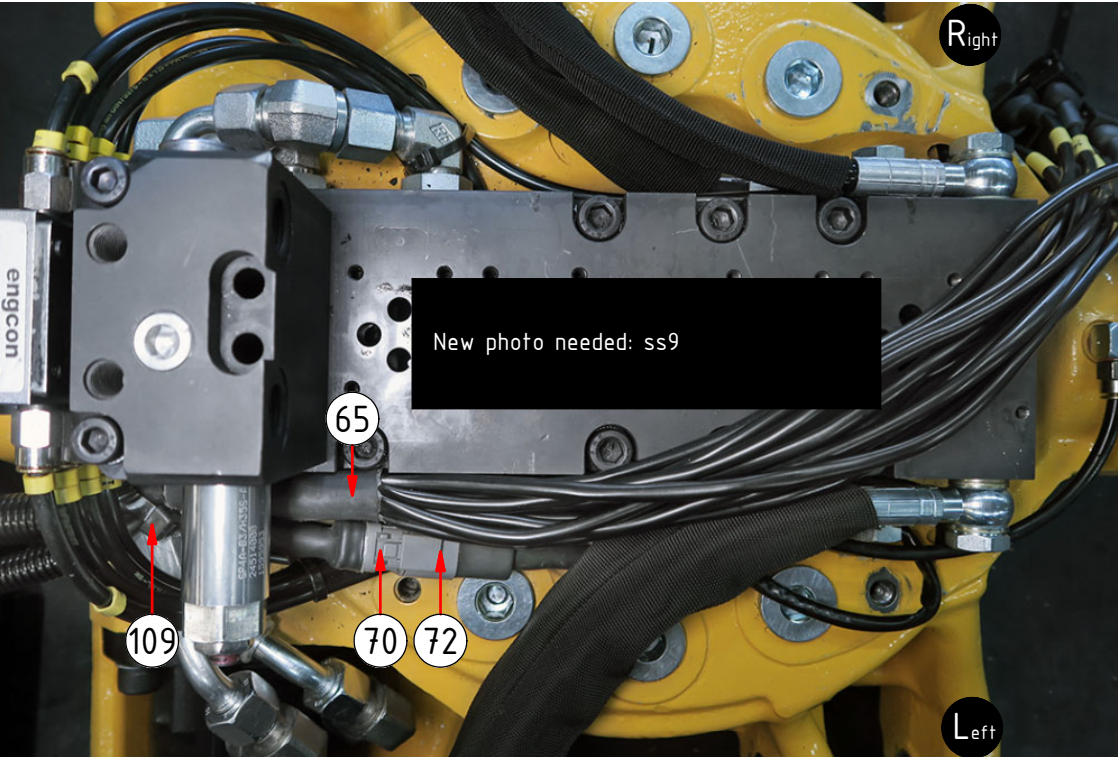


Dashed lines for overview, mounts on other pages/assemblies. indicates instruction. represents hose.

Std

POS	DESCRIPTION	PART	QTY	COMMENTS
65	Aggregate cable ss9-2 Dump Comp.	1032909	1	
70	Cable QS QLM tiltrotator SVAB	842148	1	For Q-Safe
72	Only for Q-Safe, connector			
109	Cable tie 7,8x360	1021587	1	

Cables/connectors:



ePS

Cables/connectors:



Photo needed: Cables connected

POS	DESCRIPTION	PART	QTY	COMMENTS
65	Aggregate cable ss9-2 Dump Comp.	1032909	1	
70	Cable QS QLM tiltrotator SVAB	842148	1	For Q-Safe
72	Only for Q-Safe, connector			
80	Adapter cable ePS rotation sensor	8000784	1	Cut cable protection: 130mm
81	Aq.cable SVAB ePS w. 120 ohm ter.	8000824	1	
109	Cable tie 7,8x360	1021587	1	
110	Cable tie 4,8x360	1021586	1	

POS in order of assembly

Sensor connection:

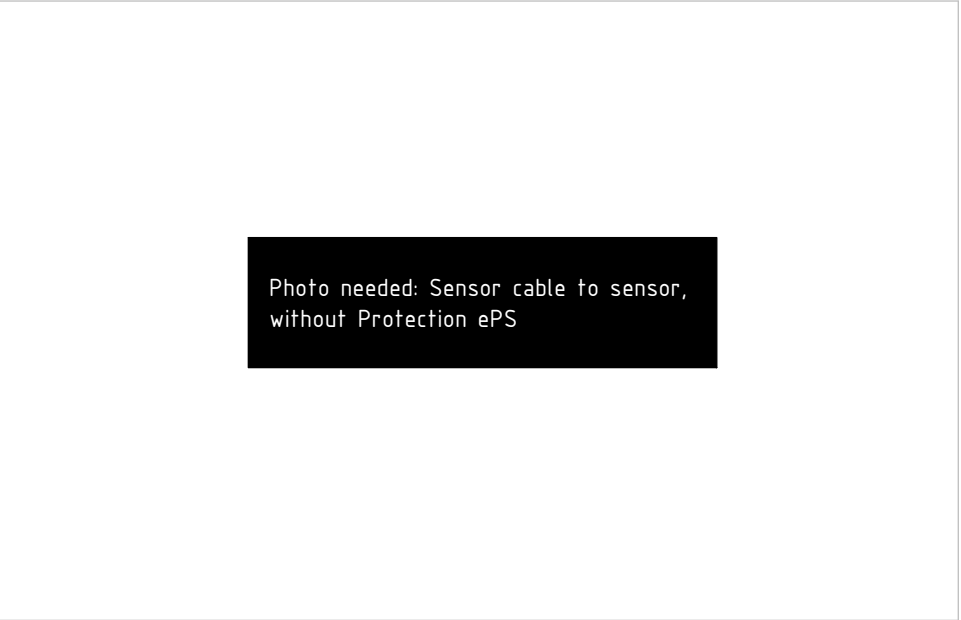


Photo needed: Sensor cable to sensor, without Protection ePS

Sensor cable:

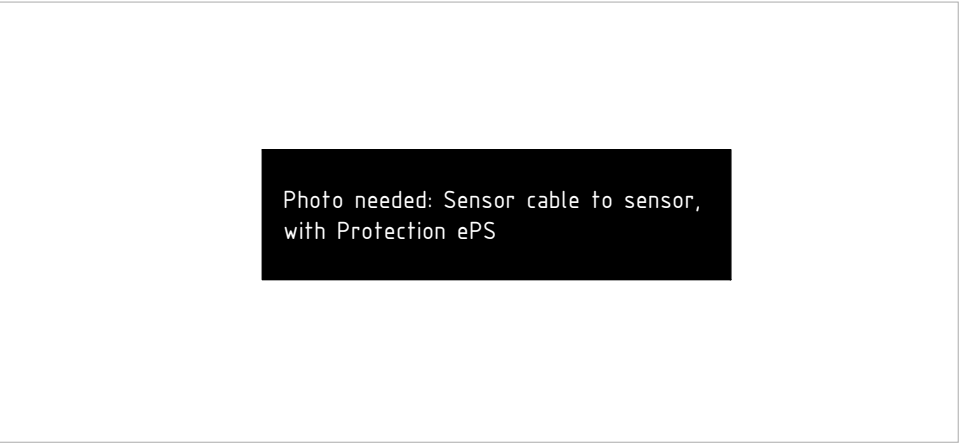
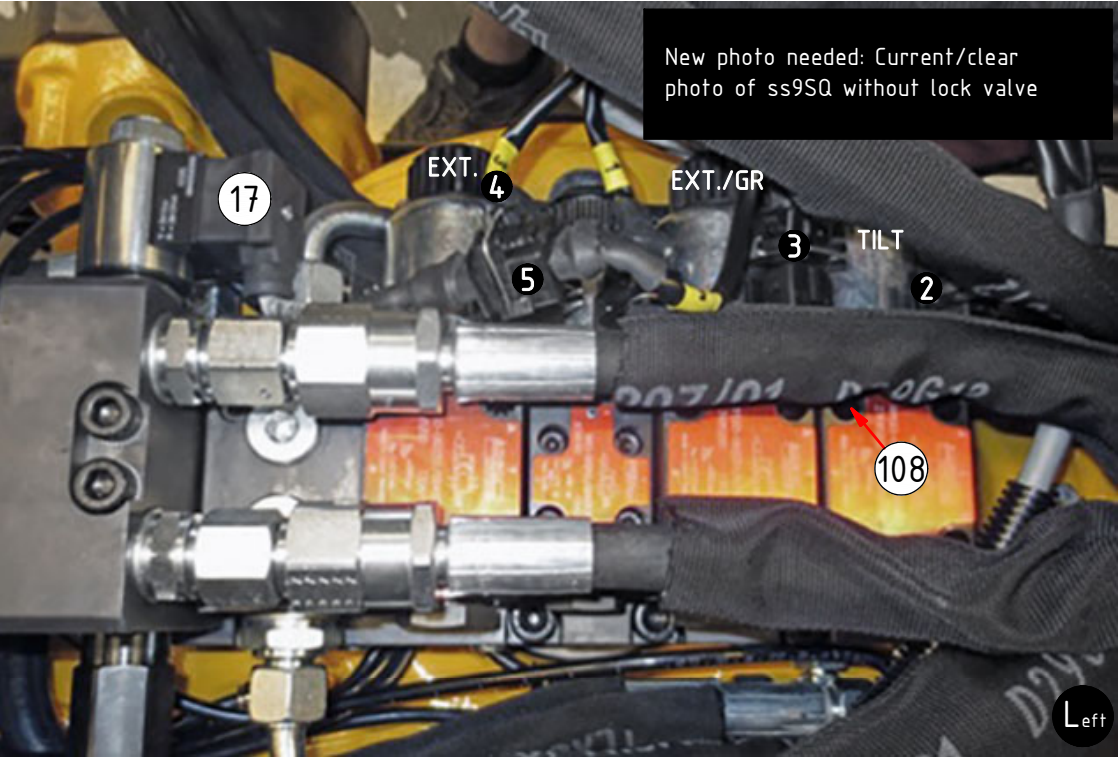


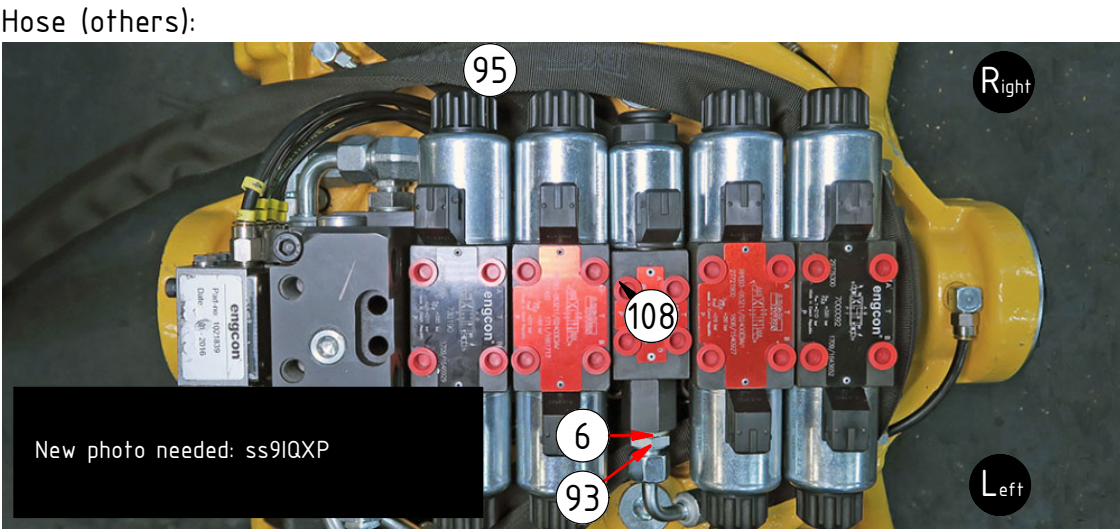
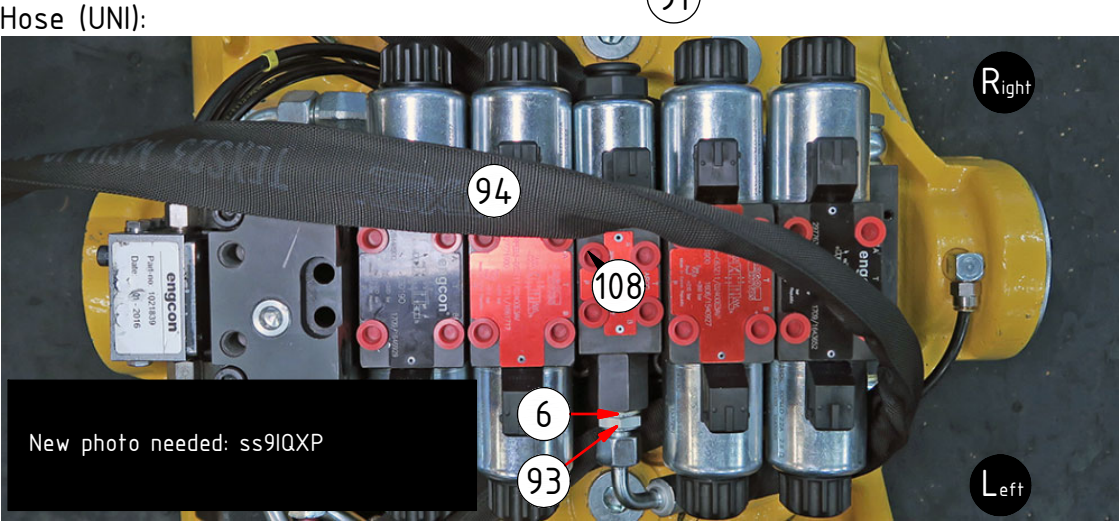
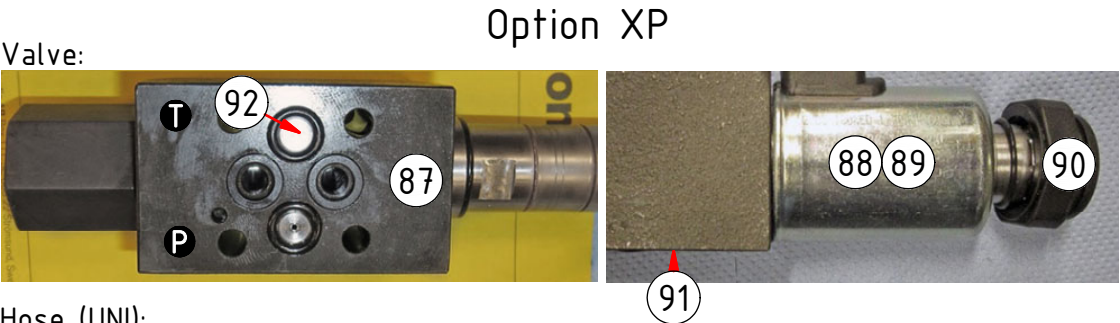
Photo needed: Sensor cable to sensor, with Protection ePS

Valve connections

POS	DESCRIPTION	PART	QTY	COMMENTS
17	Adapter cabel-Hirschmann-Amp	302971	1	
69	Jumper JT Lock valve	1018662	1	Plug JT "1"
108	Plastic plug (red) for valves	790156	12	

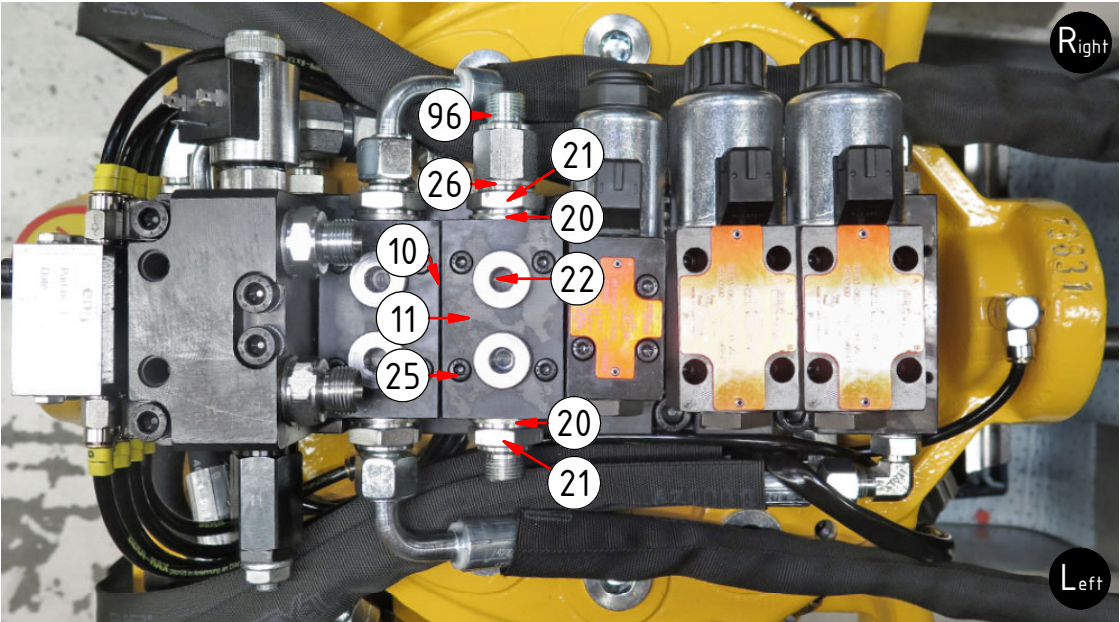
JT marked with numbers:





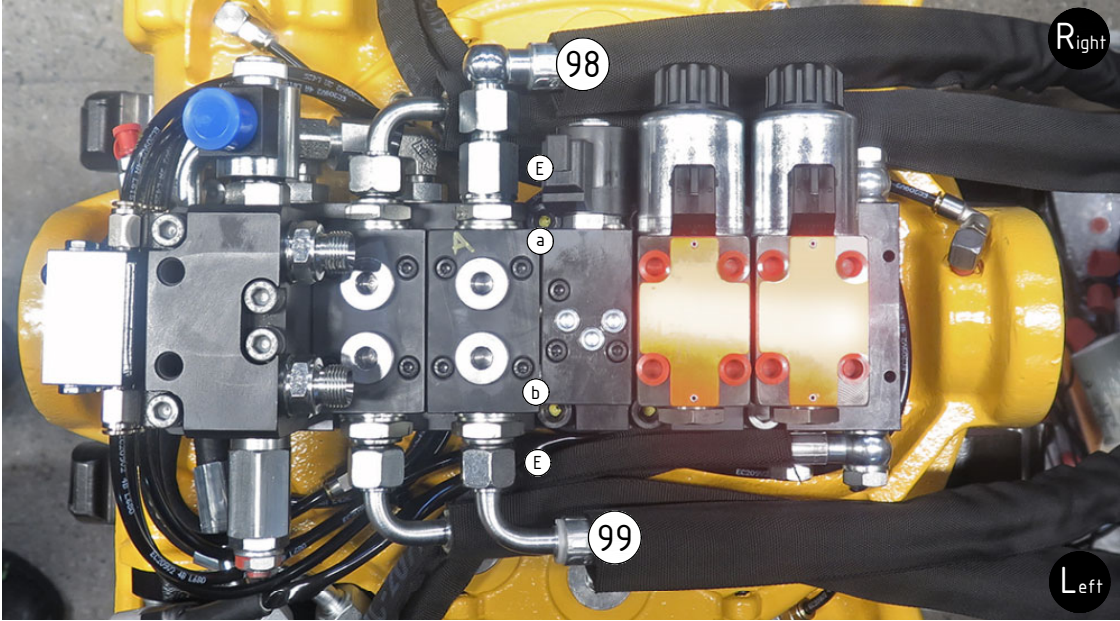
POS	DESCRIPTION	PART	QTY	COMMENTS
6	Washer GBR04 1/4	710702	8	
87	Directional valve XP crossparallel NG4 without Coil	730321	1	Nut (POS.90) and o-ring with chokenozzle included. Assemble with POS.88/89
88	Coil NG4 12V JT	730313	1	
89	Coil NG4 24V JT	730311	1	
90	Nut directional valve NG4	1006785	1	
91	MC6S M5x35 12.9	610404	4	Torque: 9,7Nm
92	Plug D0 for NG4 / VRP2-04	790191	1	Not for HS08 O-ring included
93	Adapter 138-04-29 (1/4")	710135	1	
94	Hose Drainage XP - UNI	7000041	1	For UNI top parts
95	Hose Drainage XP	7000489	1	For other top parts
108	Plastic plug (red) for valves	790156	12	

Block: Option SX



POS	DESCRIPTION	PART	QTY	COMMENTS
10	O-ring 9,25x1,78	710901	4	
11	Connection block 1/2"	405670	1	
20	Washer GBR08 1/2	710704	2	
21	Adapter 135-06-08	710122	2	
22	Plug 70125-06 (3/8")	711504	2	
25	MC6S M5x40 12.9	610405	4	
26	Washer GBR06 3/8	710703	2	
96	Adapter 236-06-06 (3/8")	710131	1	
97	Hose kit SX	7000603	1	(POS.98-99 included)
98	Hose Feed Extra a	7000495	1	
99	Hose Feed Extra b	7000369	1	

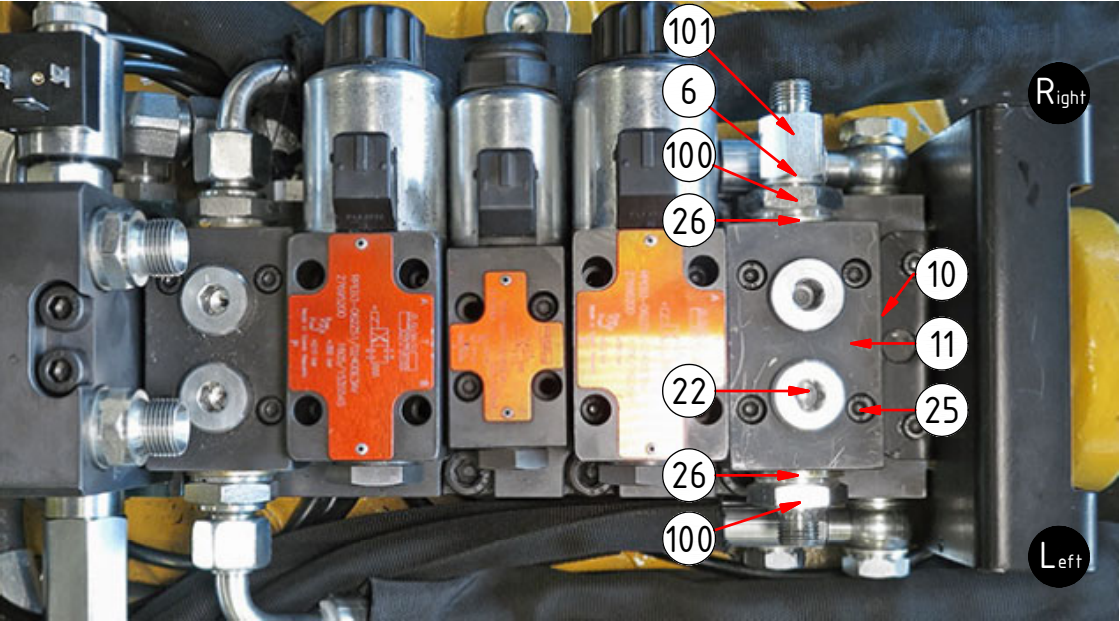
Hoses (QS45/50):



Dashed lines for overview, mounts on other pages/assemblies. indicates instruction. represents hose.

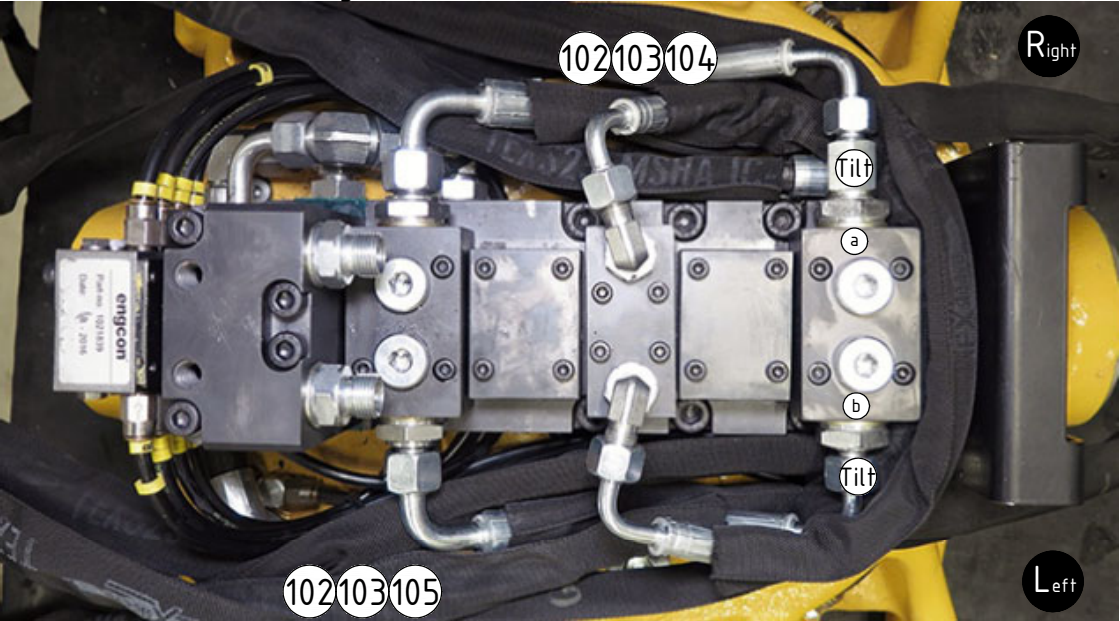
Block:

Option ST

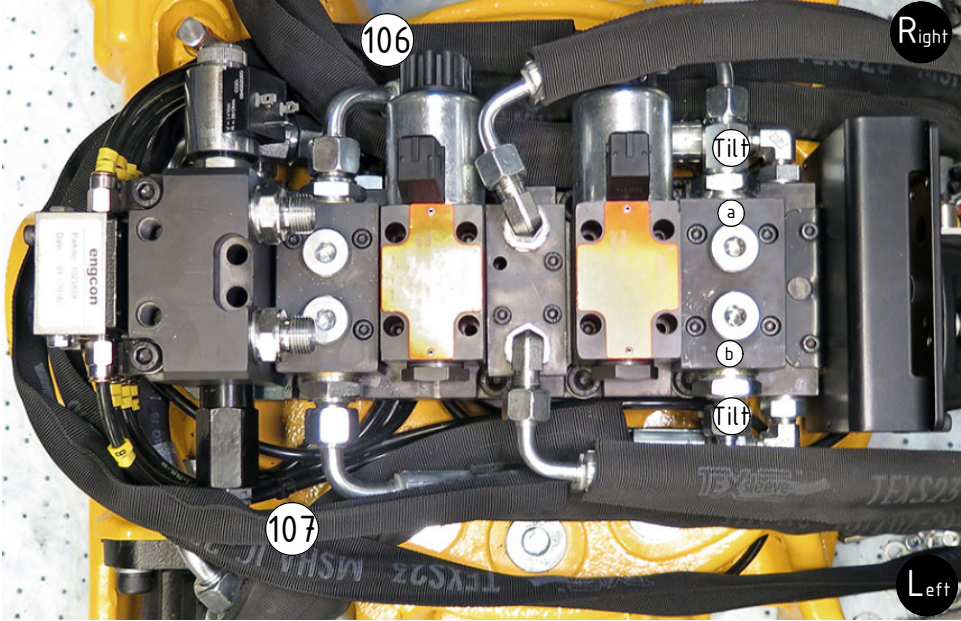


POS	DESCRIPTION	PART	QTY	COMMENTS
10	O-ring 9,25x1,78	710901	4	
11	Connection block 1/2"	405670	1	
22	Plug 70125-06 (3/8")	711504	2	
25	MC6S M5x40 12.9	610405	4	
26	Washer GBR06 3/8	710703	2	
100	Adapter 135-04-08	710120	2	
101	Adapter 236-04-04	1013885	2	
102	Hose Feed Tilt - QS45/50	7000491	2	QTY: 1 for Tilt Right/Left
103	Hose Feed Tilt Short - QS45/50	7000492	1	Tilt Right: Mount on a-side Tilt Left: Mount on b-side
104	Hose Feed Tilt Right+Left a - HYD	7000653	1	
105	Hose Feed Tilt Right+Left b - HYD	7000491	1	
106	Hose Feed Tilt a - UNI	7000335	1	
107	Hose Feed Tilt b - UNI	7000798	1	

Hoses (QS45/50, HYD Right+Left):



Hoses (UNI):



Dashed lines for overview, mounts on other pages/assemblies. \ indicates instruction. represents hose.

Related spare parts

POS	DESCRIPTION	PART	QTY	COMMENTS
10	O-ring 9,25x1,78	710901	4	
13	O-ring 8,75x1,78	710959	12	
14	Directional valve closed 12V	7001619	3	(POS.13 included)
15	Directional valve closed 24V	7001618	3	(POS.13 included)
111	Argo hytos valve closed 12V	730112	3	Replaced by POS.14 (ATOS)
112	Argo hytos valve closed 24V	730110	3	Replaced by POS.15 (ATOS)

POS in order of assembly

Used until 2022-06

