

Machine hitch - S80

COVERSHEET

Planned document changes:

Briefly:

2026-10-05. Add option "Without EC-Oil" (POS.24 instead of block, 57-58 against sensors).

Document changes:

Date:	Change:	Rev. after change:
2026-05-06	Photos added.	A
2025-10-02	New document.	-

Readers note:



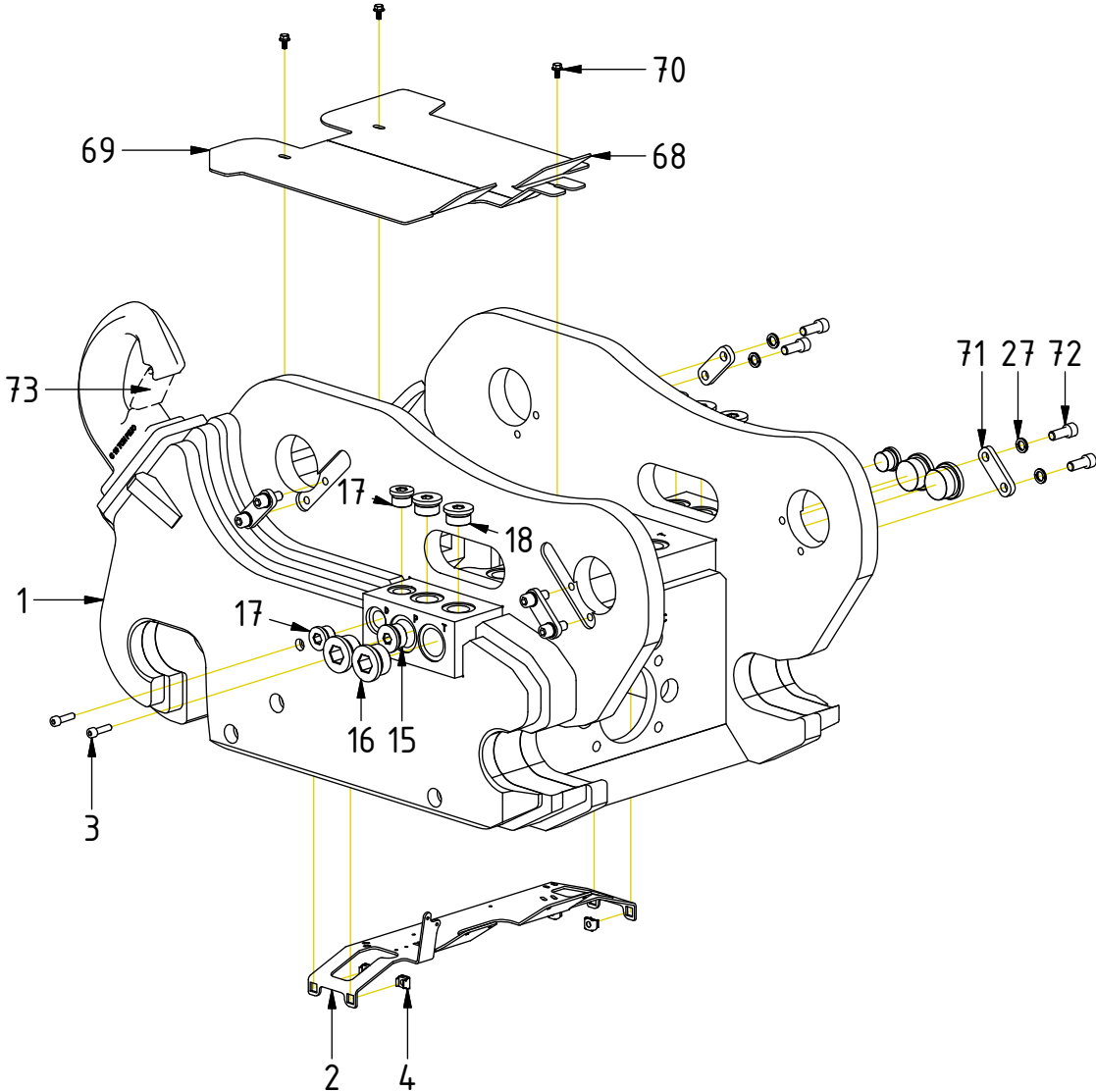
Indicates instruction.



Represents Hose.

Dashed lines for overview, mounts
on other pages/assemblies.

- 5-7
- 8
- 9
- 10
- 11-14



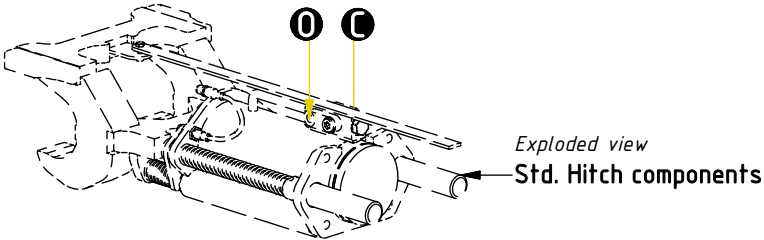
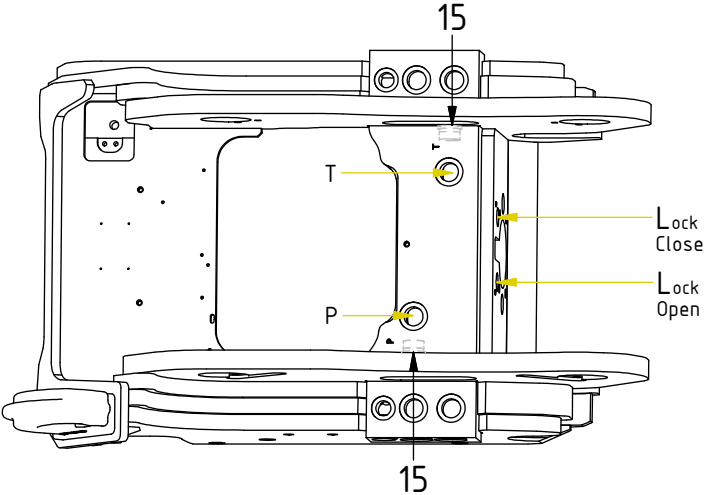
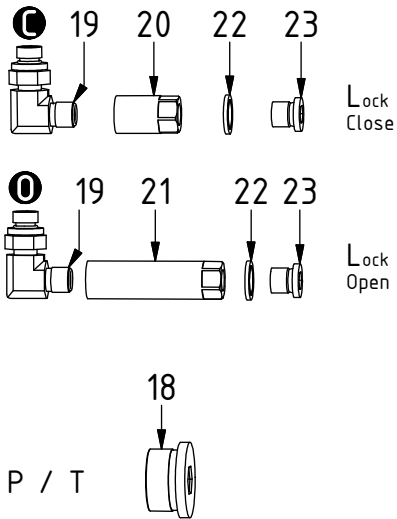
POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Connector Plate S80	1079999	1	
3	Screw MC6S M8x30 12.9 ZFSL	611519	4	
4	Cage Nut, Steel M8, P= 1,8-3,2	6000400	4	
5	Strain relief plate ZL60	8000703	1	
6	Strain relief plate ZL87	8000704	1	For DC3, ss9
7	Strain relief plate ZL39	8000761	1	For ss9
8	Blind rivet 4,0x12,3 DIN7337	6000294	5	QTY: 3 for DC2, 8 for ss9
9	Holder Deutsch coupling	810662	1	QTY: 2 for ss9
10	Screw MC6S M5x10 8,8 FZB	6000312	5	QTY: 6 for ss9
11	Rubber steel clamp ø6	6000027	1	
12	Rubber steel clamp ø8	6000241	2	
13	Rubber steel clamp ø10	6000003	1	QTY: 2 for ss9
14	Rubber steel clamp ø14	613009	1	
15	S80 Plug for 2bl. (Direct feed)	1082524	2	For EC-Oil 2bl. See position on p.3
16	Plug 70125-20 (1 1/4")	7002075	4	
17	Plug 70125-12 (3/4")	711532	4	
18	Plug 70125-16 (1")	7000945	6	
27	Washer NL 12mm	611042	18	
68	S80 Cover Plate Right	1080280	1	
69	S80 Cover Plate Left	1080128	1	
70	Screw M6SF 8x12H Riffled	6000120	3	
71	Lock plate for axles	1067225	4	Assemble with slight play
72	Screw MC6S M12x30 12.9 ZFSL	6000142	8	
73	Safety latch	405177	1	Lifting hook spare part

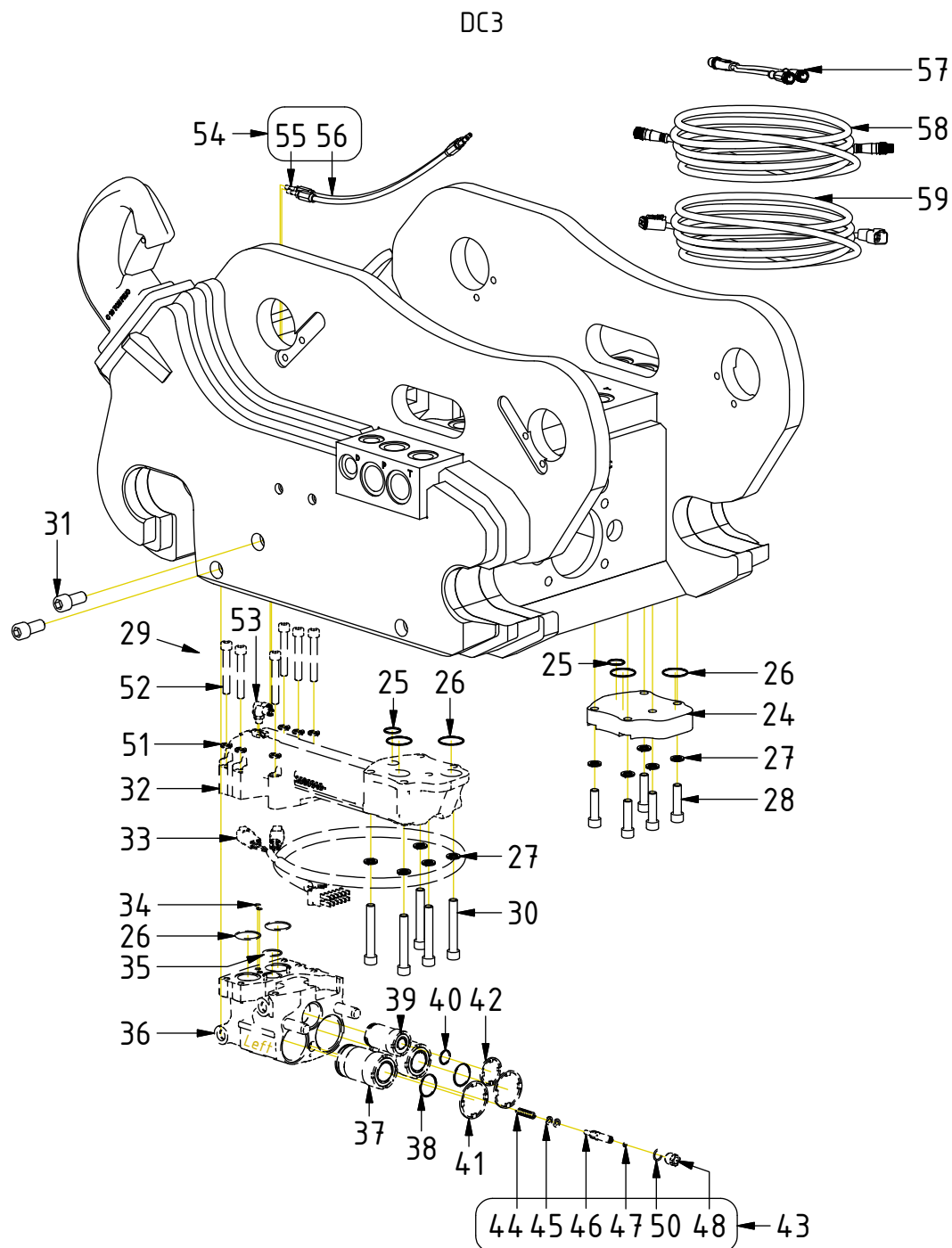
POS in order of assembly

Hydraulics

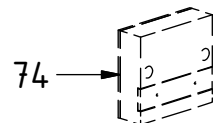
POS	DESCRIPTION	PART	QTY	COMMENTS
15	S80 Plug for 2bl. (Direct feed)	1082524	2	For EC-Oil 2bl.
18	Plug 70125-16 (1")	7000945	6	
19	Adapter 067005-04-04 (1/4")	7000247	2	
20	Lock adapter tube Short	1071217	1	Loxeal 83-52
21	Lock adapter tube Long	1071216	1	Loxeal 83-52
22	Washer GBR04 1/4	710702	2	
23	Plug 153-04 (1/4")	711505	2	

POS in order of assembly

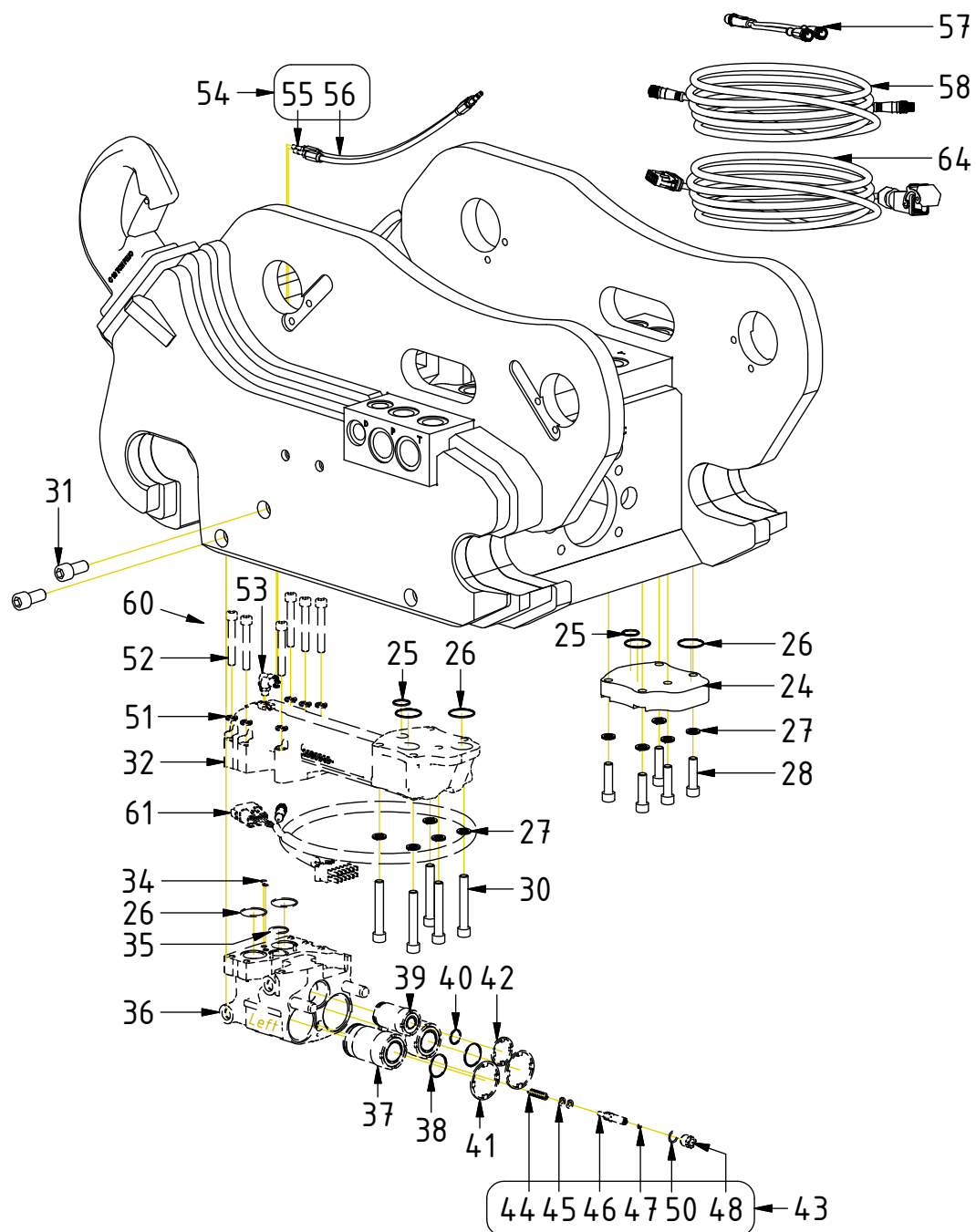




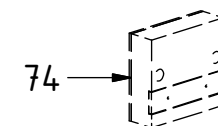
POS	DESCRIPTION	PART	QTY	COMMENTS
24	Covering plate S80 no bl.	1080105	1	
25	O-ring 21,95x1,78	7001829	2	
26	O-ring 34,65x1,78	7002057	6	
27	Washer NL 12mm	611042	18	
28	Screw MC6S M12x45 12.9 ZFSHL	6000454	5	Torque: 136Nm
29	Connection bl. w. ECO hy.el.cl. DC3 Complete	1080052	1	(POS.32-37, 39, 41-43, 51-54 incl.)
30	Screw MC6S M12x80 12.9 ZFSHL	6000148	10	Torque: 136Nm
31	Screw MC6S M16x35 12.9 ZFSHL	6000410	2	Add Loxeal 83-52. Torque: 333Nm
32	Connection block ECO Left	1080041	1	
33	Power plug ECO W Hitch (4P, 6P)	8002100	1	
34	O-ring 5,28x1,78	7001841	2	
35	O-ring 25,12x1,78	710984	1	
36	Block ECO80 W Hitch S80	1080039	1	
37	Coupling ECO W 1" V3	1056060	2	Torque: 60Nm. (POS.38 incl.)
38	Flat sealing for ECO 1" V3	1056072	2	
39	Coupling ECO W 1/2" V3	1054580	1	Torque: 60Nm. (POS.40 incl.)
40	Flat sealing for ECO 1/2" V3	1050018	1	
41	Dirt protection Block ECO 1"	1045166	2	
42	Dirt protection Block ECO 1/2"	1028229	1	
43	Lubrication kit ECO W V2	1050794	1	(POS.44-50 incl.)
44	Spring 6058	1024113	1	
45	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
46	Grease piston	1024111	1	
47	O-ring 3,69x1,78	1024115	1	
48	Nut grease piston	1047688	1	Wrap with thread sealing tape
49	O-ring 9,25x1,78	712429	1	Located inside nut
50	O-ring 14x2	7000767	1	
51	Washer NL 10mm	611041	6	
52	Screw MC6S M10x70 12.9 ZFSHL	6000110	6	
53	Push-in Coupling 90° R1/8"	790184	2	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
55	Push-In Tube sleeve straight 20mm	7001521	2	
56	Hose 2m - lubricant ECO	790176	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
59	Extension Cable ECO W DC3 (4S, 4P)	8002371	1	Attach to 4P
74	Transport Protection ECO-Block	1050611	1	Part of make up



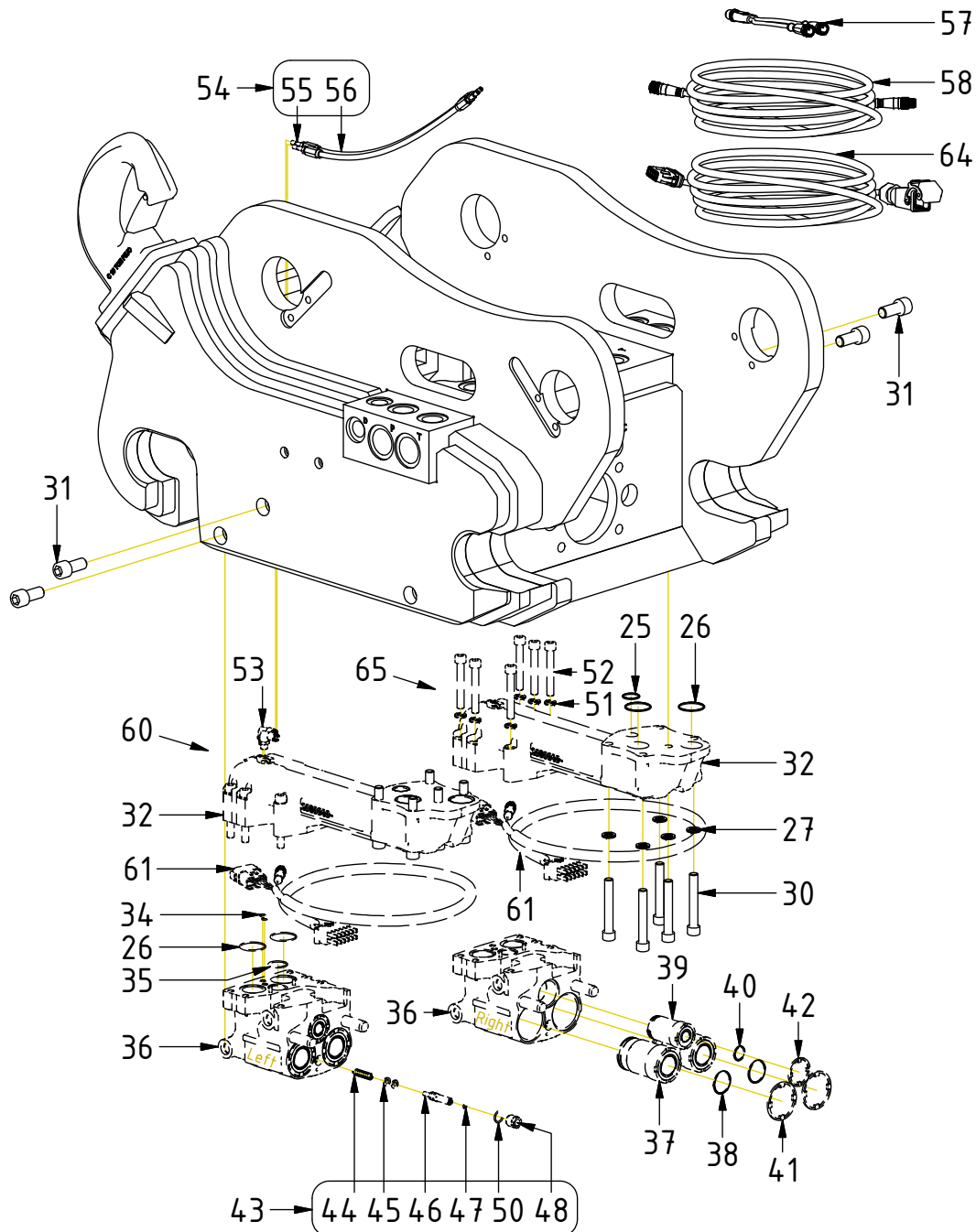
DC2 Std. config.



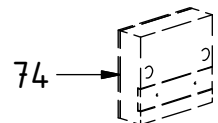
POS	DESCRIPTION	PART	QTY	COMMENTS
24	Covering plate S80 no bl.	1080105	1	
25	O-ring 21,95x1,78	7001829	2	
26	O-ring 34,65x1,78	7002057	6	
27	Washer NL 12mm	611042	18	
28	Screw MC6S M12x45 12.9 ZFSHL	6000454	5	Torque: 136Nm
29	Connection bl. w. ECO hy.el.cl. DC3 Complete	1080052	1	(POS.32-37, 39, 41-43, 51-54 incl.)
30	Screw MC6S M12x80 12.9 ZFSHL	6000148	10	Torque: 136Nm
31	Screw MC6S M16x35 12.9 ZFSHL	6000410	2	Add Loxeal 83-52. Torque: 333Nm
32	Connection block ECO Left	1080041	1	
34	O-ring 5,28x1,78	7001841	2	
35	O-ring 25,12x1,78	710984	1	
36	Block ECO80 W Hitch S80	1080039	1	
37	Coupling ECO W 1" V3	1056060	2	Torque: 60Nm. (POS.38 incl.)
38	Flat sealing for ECO 1" V3	1056072	2	
39	Coupling ECO W 1/2" V3	1054580	1	Torque: 60Nm. (POS.40 incl.)
40	Flat sealing for ECO 1/2" V3	1050018	1	
41	Dirt protection Block ECO 1"	1045166	2	
42	Dirt protection Block ECO 1/2"	1028229	1	
43	Lubrication kit ECO W V2	1050794	1	(POS.44-50 incl.)
44	Spring 6058	1024113	1	
45	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
46	Grease piston	1024111	1	
47	O-ring 3,69x1,78	1024115	1	
48	Nut grease piston	1047688	1	Wrap with thread sealing tape
49	O-ring 9,25x1,78	712429	1	Located inside nut
50	O-ring 14x2	7000767	1	
51	Washer NL 10mm	611041	6	
52	Screw MC6S M10x70 12.9 ZFSHL	6000110	6	
53	Push-in Coupling 90° R1/8"	790184	2	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
55	Push-In Tube sleeve straight 20mm	7001521	2	
56	Hose 2m - lubricant ECO	790176	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
60	Connect.bl. w ECO hy.el.cl. DC2 Comp.	1082919	1	(POS.32, 34-37, 39, 41-43, 51-54,61)
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
64	Aggregate cable ECO80 W DC2	1048528	1	Attach to 12P
74	Transport Protection ECO-Block	1050611	1	Part of make up

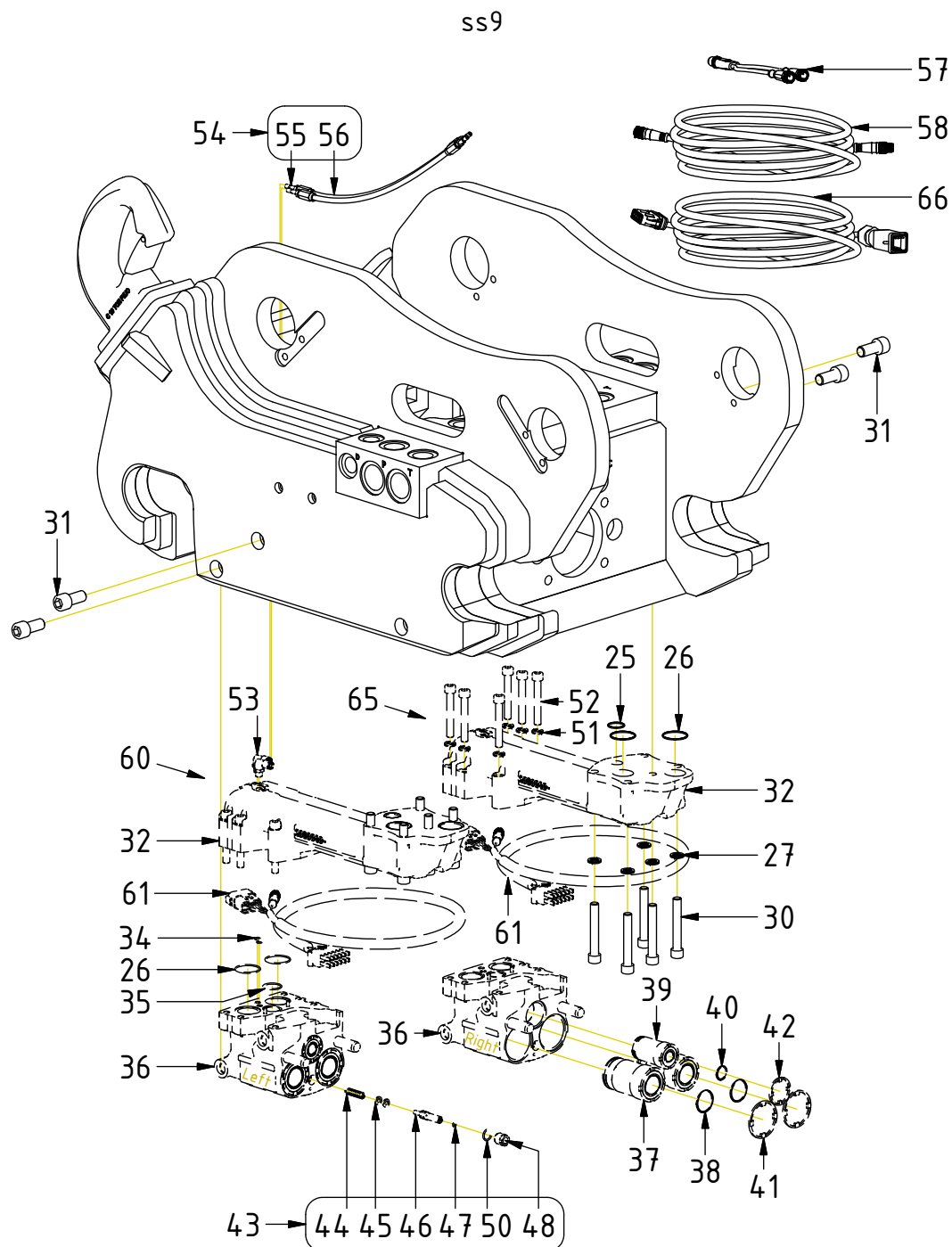


DC2 Option 2bl.

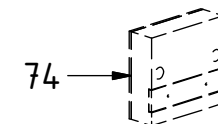
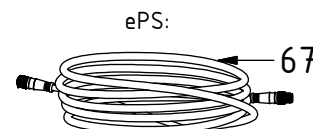


POS	DESCRIPTION	PART	QTY	COMMENTS
25	O-ring 21,95x1,78	7001829	2	
26	O-ring 34,65x1,78	7002057	6	
27	Washer NL 12mm	611042	18	
29	Connection bl. w. ECO hy.el.cl. DC3 Complete	1080052	1	(POS.32-37, 39, 41-43, 51-54 incl.)
30	Screw MC6S M12x80 12.9 ZFSHL	6000148	10	Torque: 136Nm
31	Screw MC6S M16x35 12.9 ZFSHL	6000410	2	Add Loxeal 83-52. Torque: 333Nm
32	Connection block ECO Left	1080041	1	
34	O-ring 5,28x1,78	7001841	2	
35	O-ring 25,12x1,78	710984	1	
36	Block ECO80 W Hitch S80	1080039	1	
37	Coupling ECO W 1\" V3	1056060	2	Torque: 60Nm. (POS.38 incl.)
38	Flat sealing for ECO 1\" V3	1056072	2	
39	Coupling ECO W 1/2\" V3	1054580	1	Torque: 60Nm. (POS.40 incl.)
40	Flat sealing for ECO 1/2\" V3	1050018	1	
41	Dirt protection Block ECO 1\"	1045166	2	
42	Dirt protection Block ECO 1/2\"	1028229	1	
43	Lubrication kit ECO W V2	1050794	1	(POS.44-50 incl.)
44	Spring 6058	1024113	1	
45	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
46	Grease piston	1024111	1	
47	O-ring 3,69x1,78	1024115	1	
48	Nut grease piston	1047688	1	Wrap with thread sealing tape
49	O-ring 9,25x1,78	712429	1	Located inside nut
50	O-ring 14x2	7000767	1	
51	Washer NL 10mm	611041	6	
52	Screw MC6S M10x70 12.9 ZFSHL	6000110	6	
53	Push-in Coupling 90° R1/8\"	790184	2	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
55	Push-In Tube sleeve straight 20mm	7001521	2	
56	Hose 2m - lubricant ECO	790176	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
60	Connect.bl. w ECO hy.el.cl. DC2 Comp.	1082919	1	(POS.32, 34-37, 39, 41-43, 51-54,61)
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
64	Aggregate cable ECO80 W DC2	1048528	1	Attach to Left 12P
65	Connect.bl. w ECO hy.el. DC2 Comp.	1080053	1	(POS.32,34-37,39,41-43,51-52,54,61)
74	Transport Protection ECO-Block	1050611	1	Part of make up

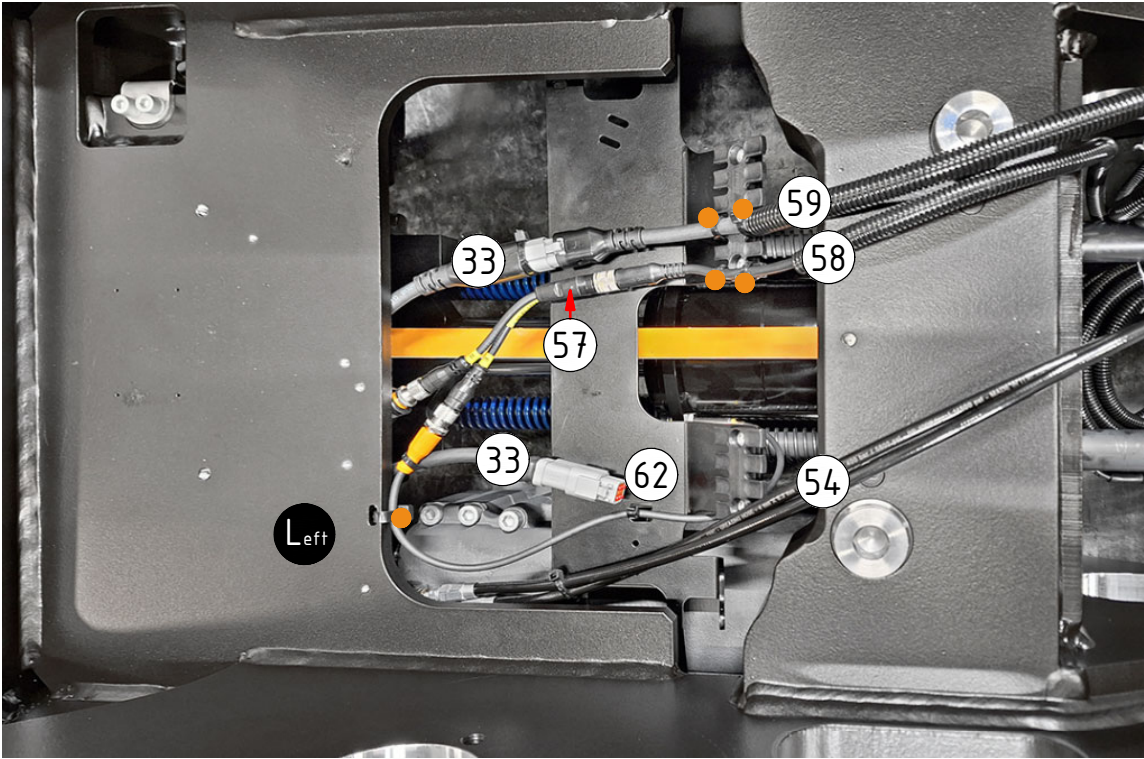




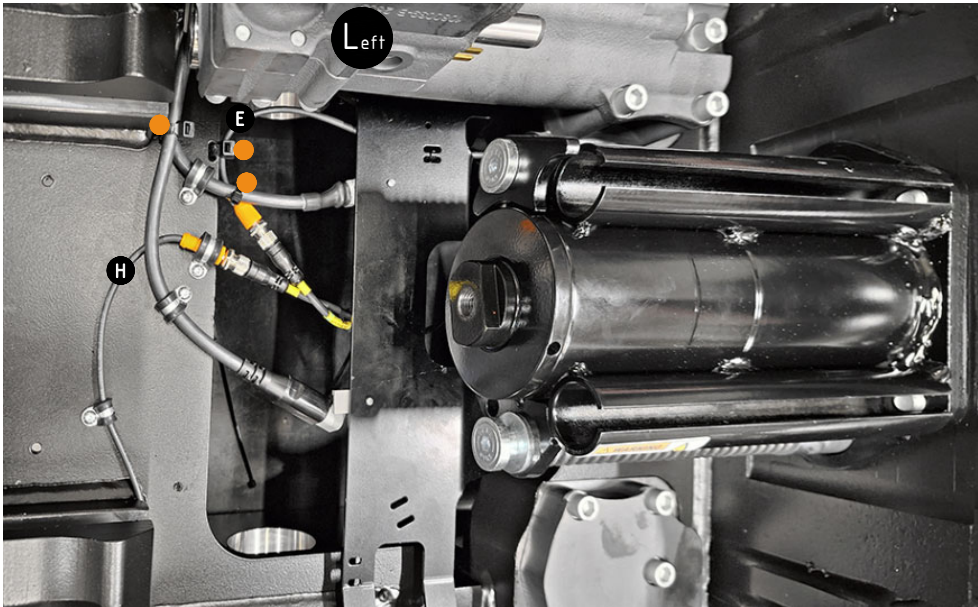
POS	DESCRIPTION	PART	QTY	COMMENTS
25	O-ring 21,95x1,78	7001829	2	
26	O-ring 34,65x1,78	7002057	6	
27	Washer NL 12mm	611042	18	
29	Connection bl. w. ECO hy.el.cl. DC3 Complete	1080052	1	(POS.32-37, 39, 41-43, 51-54 incl.)
30	Screw MC6S M12x80 12.9 ZFSL	6000148	10	Torque: 136Nm
31	Screw MC6S M16x35 12.9 ZFSL	6000410	2	Add Loxal 83-52. Torque: 333Nm
32	Connection block ECO Left	1080041	1	
34	O-ring 5,28x1,78	7001841	2	
35	O-ring 25,12x1,78	710984	1	
36	Block ECO80 W Hitch S80	1080039	1	
37	Coupling ECO W 1\" V3	1056060	2	Torque: 60Nm. (POS.38 incl.)
38	Flat sealing for ECO 1\" V3	1056072	2	
39	Coupling ECO W 1/2\" V3	1054580	1	Torque: 60Nm. (POS.40 incl.)
40	Flat sealing for ECO 1/2\" V3	1050018	1	
41	Dirt protection Block ECO 1\"	1045166	2	
42	Dirt protection Block ECO 1/2\"	1028229	1	
43	Lubrication kit ECO W V2	1050794	1	(POS.44-50 incl.)
44	Spring 6058	1024113	1	
45	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
46	Grease piston	1024111	1	
47	O-ring 3,69x1,78	1024115	1	
48	Nut grease piston	1047688	1	Wrap with thread sealing tape
49	O-ring 9,25x1,78	712429	1	Located inside nut
50	O-ring 14x2	7000767	1	
51	Washer NL 10mm	611041	6	
52	Screw MC6S M10x70 12.9 ZFSL	6000110	6	
53	Push-in Coupling 90° R1/8\"	790184	2	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
55	Push-In Tube sleeve straight 20mm	7001521	2	
56	Hose 2m - lubricant ECO	790176	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
60	Connect.bl. w ECO hy.el.cl. DC2 Comp.	1082919	1	(POS.32, 34-37, 39, 41-43, 51-54,61)
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
65	Connect.bl. w ECO hy.el. DC2 Comp.	1080053	1	(POS.32,34-37,39,41-43,51-52,54,61)
66	Agg. cable ECO80 W ss9-2 (1x 12P)	1036846	1	Attach to Left 12P
67	Cable ePS ECO W ss9	8002458	1	
74	Transport Protection ECO-Block	1050611	1	Part of make up



DC3

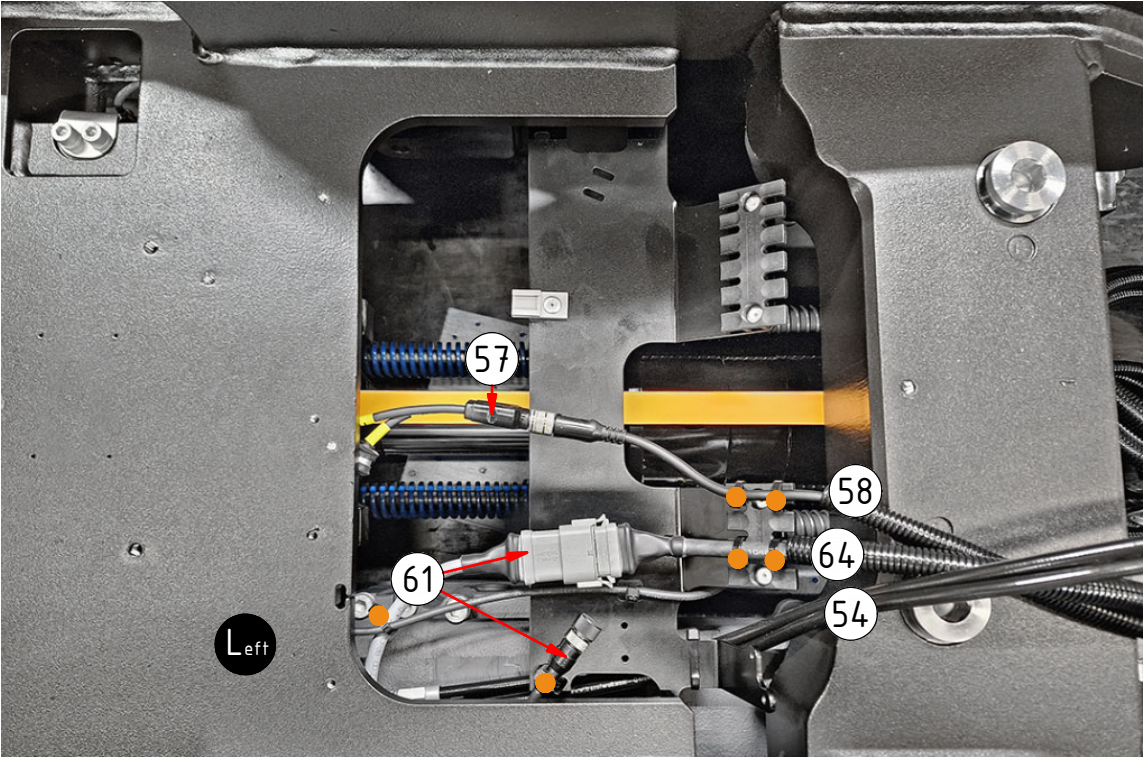


POS	DESCRIPTION	PART	QTY	COMMENTS
11	Rubber steel clamp ø6	6000027	1	
12	Rubber steel clamp ø8	6000241	2	
13	Rubber steel clamp ø10	6000003	1	QTY: 2 for ss9
14	Rubber steel clamp ø14	613009	1	
33	Power plug ECO W Hitch (4P, 6P)	8002100	1	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
59	Extension Cable ECO W DC3 (4S, 4P)	8002371	1	Attach to 4P
62	Plug for 6P	8000620	1	
● Use cable ties				

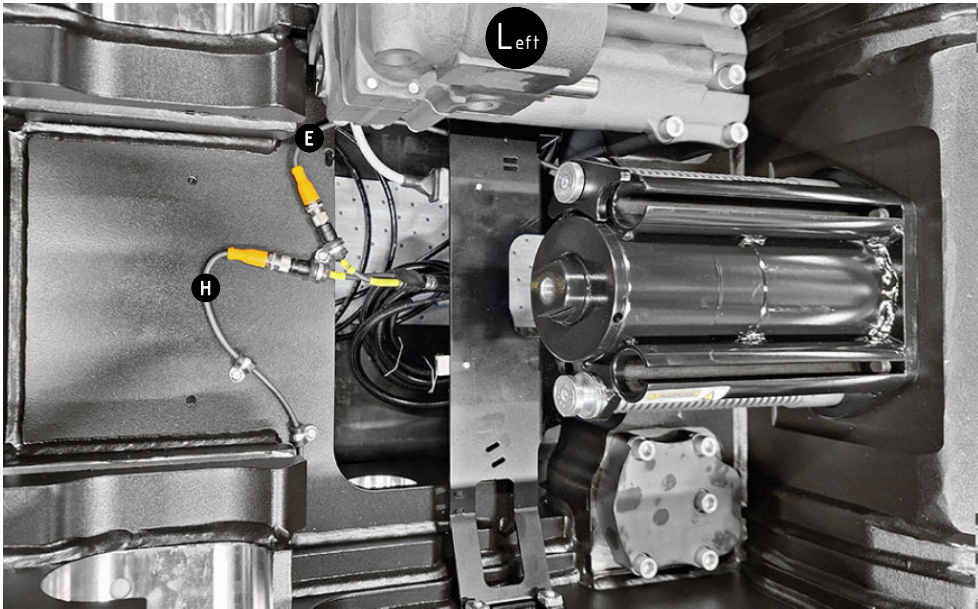


POS in order of assembly

DC2 Std. config.



POS	DESCRIPTION	PART	QTY	COMMENTS
11	Rubber steel clamp $\varnothing 6$	6000027	1	
12	Rubber steel clamp $\varnothing 8$	6000241	2	
13	Rubber steel clamp $\varnothing 10$	6000003	1	QTY: 2 for ss9
14	Rubber steel clamp $\varnothing 14$	613009	1	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
64	Aggregate cable ECO80 W DC2	1048528	1	Attach to 12P
● Use cable ties				



POS in order of assembly

ss9



ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
11	Rubber steel clamp ø6	6000027	1	
12	Rubber steel clamp ø8	6000241	2	
13	Rubber steel clamp ø10	6000003	1	QTY: 2 for ss9
14	Rubber steel clamp ø14	613009	1	
54	Hose kit - lubrication ECO W	7000514	1	(POS.55-56 incl.)
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 4,35m	8002249	1	Attach to Y-split
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
66	Agg. cable ECO80 W ss9-2 (1x 12P)	1036846	1	Attach to Left 12P
67	Cable ePS ECO W ss9	8002458	1	
●	Use cable ties			

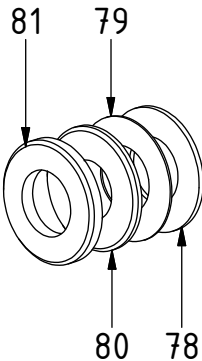
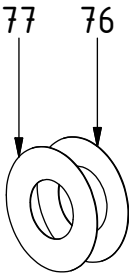


POS in order of assembly

RELATED SPARE PARTS

SHIMS:

POS	DESCRIPTION	PART	QTY	COMMENTS
76	Shim Ø170/91 - 1	1080787	1	
77	Shim Ø170/81 - 1	1080786	1	
78	Shim Ø170/81 - 8	1082859	1	
79	Shim Ø170/91 - 3	1082857	1	
80	Shim Ø170/81 - 12	1082856	1	
81	Shim Ø170/91 - 20	1080784	1	



POS in order of assembly