Machine hitch - S60

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COVERSHEET

Planned document changes:

Breifly:	
2026-10-05.	Add option "Without EC-Oil" (POS.27 instead of block, 57-58 against sensors). Add to POS.18: Torque 79Nm.

Document changes:

Date:	Change:	Rev. after change:
2026-10-01	Std. components replaced from QS60 to S60. DC2 discontinued.	J
2026-01-28	ECO blocks and couplings updated.	I
2025-09-10	Extension cable updated. Alternative push-in added.	H
2025-05-15	ECO hose kit added. ss9 & ss10(SVAB) added.	G
2024-10-03	Cover plates updated. O-rings updated.	F
2024-05-28	DC3 cable replaced. Frame updated.	E
2024-02-19	Cover plate updated. Sideblock as std. assy.	D
2023-11-22	DC3 added.	C
2023-09-21	Options updated.	B
2023-09-06	Options added.	A
2023-05-23	New document.	-

Readers note:

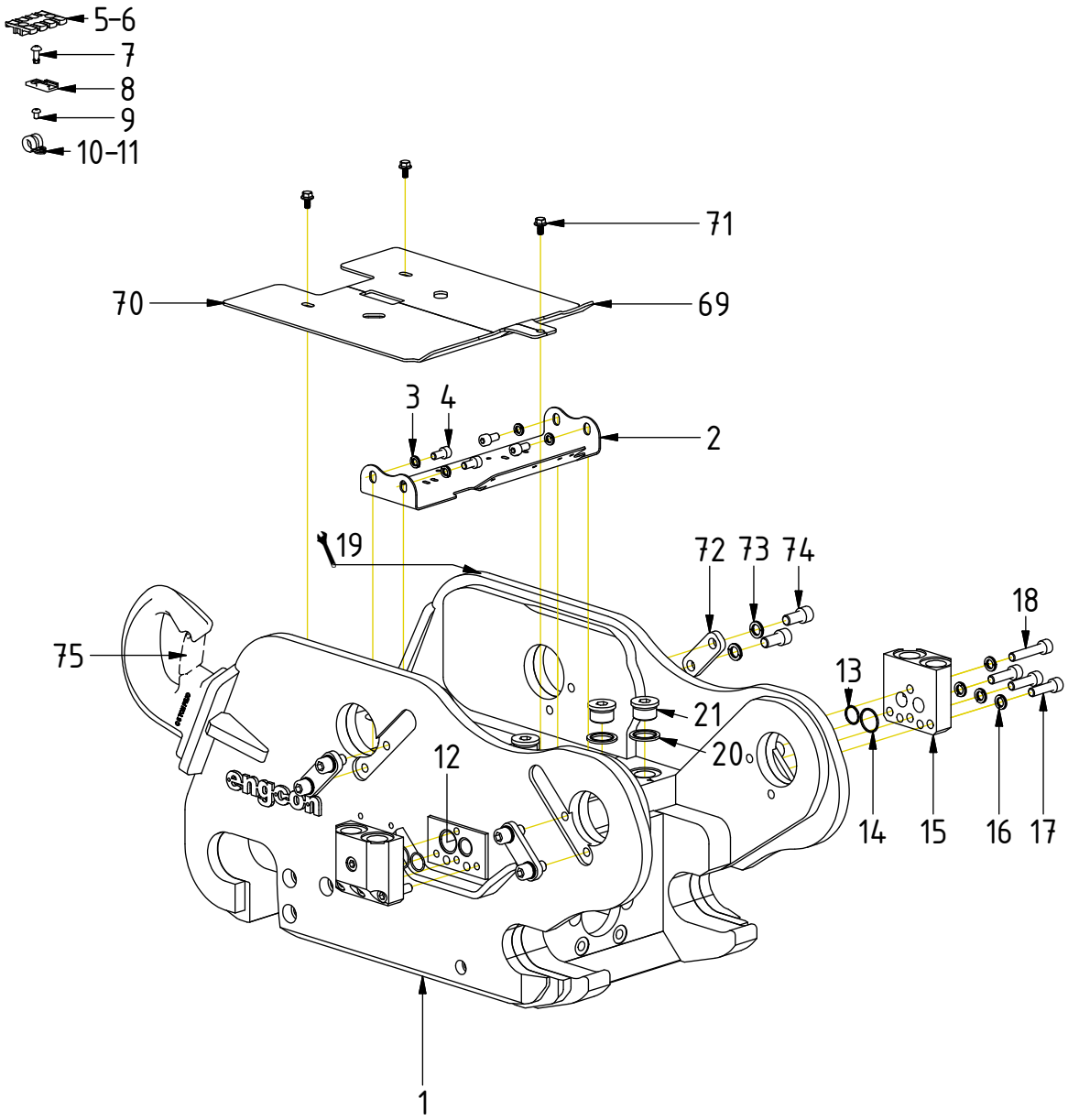
Indicates instruction.

Represents Hose.

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

Machine hitch - S60

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POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Bolted plate S60 V2	1080924	1	
3	Washer NL 8mm	611040	9	QTY depends on config.
4	Screw MC6S M8x16 12.9 ZFSHL	610432	6	
5	Strain relief plate ZL39 3x	8000761	1	
6	Strain relief plate ZL87 6x	8000704	1	For ss9, ss10 (SVAB)
7	Blind rivet 4,0x12,3 DIN7337	6000294	6	QTY: 3 for DC3
8	Holder Deutsch coupling	810662	2	QTY: 1 for DC3
9	Screw K6S M5x8 10.9 FZB	6000408	3	QTY: 4 for DC3
10	Rubber steel clamp ø6	6000027	1	
11	Rubber steel clamp ø14	613009	2	QTY: 3 for DC3
12	Pipe Plug 1/2" for 2bl.	711524	2	For EC-Oil 2bl. See position on p.3
13	O-ring 18,77x1,78	710981	2	
14	O-ring 25,12x1,78	710984	2	
15	Side block S60 hose connection V2	1070991	2	
16	Washer NL 10mm	611041	14	
17	Screw MC6S M10x35 12.9 ZFSHL	612019	9	Torque: 79Nm
18	Screw MC6S M10x50 12.9 ZFSHL	611515	2	
19	Punch serial number into hitch			
20	Washer GBR12 3/4	710706	8	
21	Plug DIN 908 3/4"	7000799	8	
69	S60 Cover plate Right	1078658	1	
70	S60 Cover plate Left	1078659	1	
71	Screw M6SF 8x12H Riffled	6000120	3	
72	Lock plate for axles	1067225	4	Assemble with slight play
73	Washer NL 12mm	611042	8	
74	Screw MC6S M12x25 12.9 ZFSHL	6000164	8	
75	Safety latch	404251	1	Lifting hook spare part

POS in order of assembly

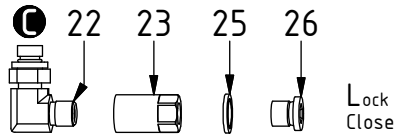
Machine hitch - S60

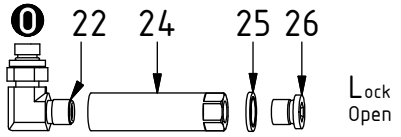
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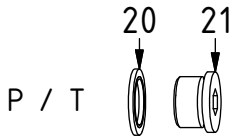
Hydraulics

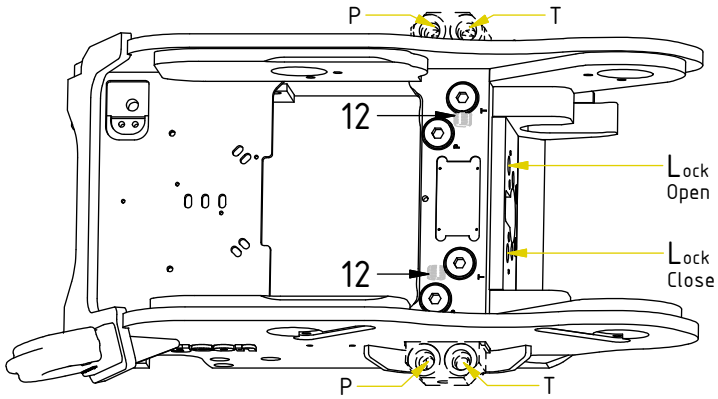
POS	DESCRIPTION	PART	QTY	COMMENTS
12	Pipe Plug 1/2" for 2bl.	711524	2	For EC-Oil 2bl.
20	Washer GBR12 3/4	710706	8	
21	Plug DIN 908 3/4"	7000799	8	
22	Adapter 067005-04-04 (1/4")	7000247	2	
23	Lock adapter tube Short S60	1071217	1	Loxeal 83-52
24	Lock adapter tube Long S60	1071216	1	Loxeal 83-52
25	Washer GBR04 1/4	710702	4	
26	Plug 153-04 (1/4")	711505	4	

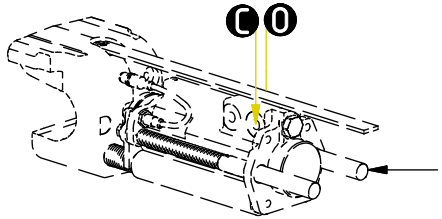
POS in order of assembly











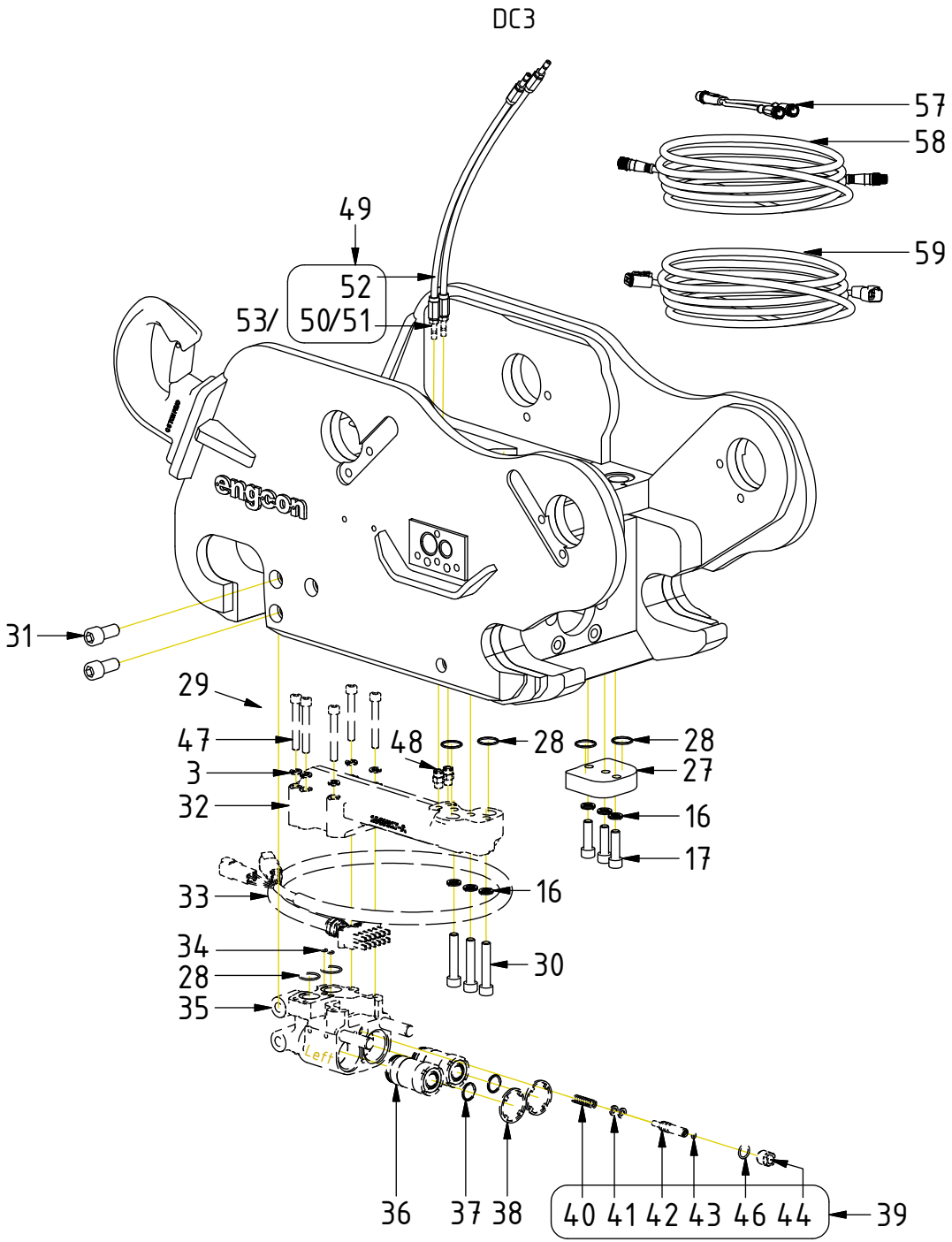
Exploded view

Std. Hitch components

NB! Temporary assy:
Switch place on
pre-mounted plugs

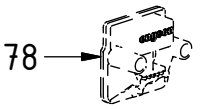
Machine hitch - S60

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POS	DESCRIPTION	PART	QTY	COMMENTS
3	Washer NL 8mm	611040	9	QTY depends on config.
16	Washer NL 10mm	611041	14	
17	Screw MC6S M10x35 12.9 ZFSHL	612019	9	Torque: 79Nm
27	Covering plate S60 machined	1071029	1	
28	O-ring 21,95x1,78	7001829	6	
29	Connection bl. w. ECO hy.el.cl. DC3 Complete	1081447	1	(POS.3, 28, 32-36,38-39,47-48 incl.)
30	Screw MC6S M10x55 12.9 ZFSHL	612022	3	Torque: 79Nm
31	Screw MC6S M14x30 12.9 ZFSHL	6000197	2	Loxeal 83-52. Torque: 217Nm
32	Connection block ECO Left	1069516	2	
33	Power plug ECO W Hitch (4P, 6P)	8002155	1	
34	O-ring 4,48x1,78	7001849	4	
35	Block ECO60 W Hitch S60 Left	1070300	2	
36	Coupling ECO W 1/2" V4	1078510	2	Torque: 60Nm. (POS.37 incl.)
37	Flat sealing for ECO W 1/2" V3	1050018	2	
38	Dirt protection block ECO 1/2"	1028229	2	
39	Lubrication kit ECO W V2	1050794	1	(POS.40-46 incl.)
40	Spring 6058	1024113	1	
41	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
42	Grease piston	1024111	1	
43	O-ring 3,69x1,78	1024115	1	
44	Nut grease piston	1047688	1	Wrap with thread sealing tape
45	O-ring 9,25x1,78	712429	1	Located inside nut
46	O-ring 14x2	7000767	1	
47	Screw MC6S M8x60 12.9	610441	5	
48	Push-in coupling R1/8"	790172	4	
49	Hose kit - lubrication ECO W	7000514	1	(POS.50-52 incl.)
50	Push-In Tube sleeve straight 20mm	7001521	2	Depends on the specific hitch model
51	Push-In Tube sleeve 45° 15mm	7001980	2	Depends on the specific hitch model
52	Hose 2m - lubricant ECO	790176	2	
53	Tube sleeve 90° Push-In	7000318	2	If colliding axle. See p.9 for instr.
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 3,4m	8002249	1	Attach to Y-split
59	Extension Cable ECO W DC3 (4S, 4P)	8002371	1	Attach to 4P
78	Transport Protection ECO-Block	1047716	1	

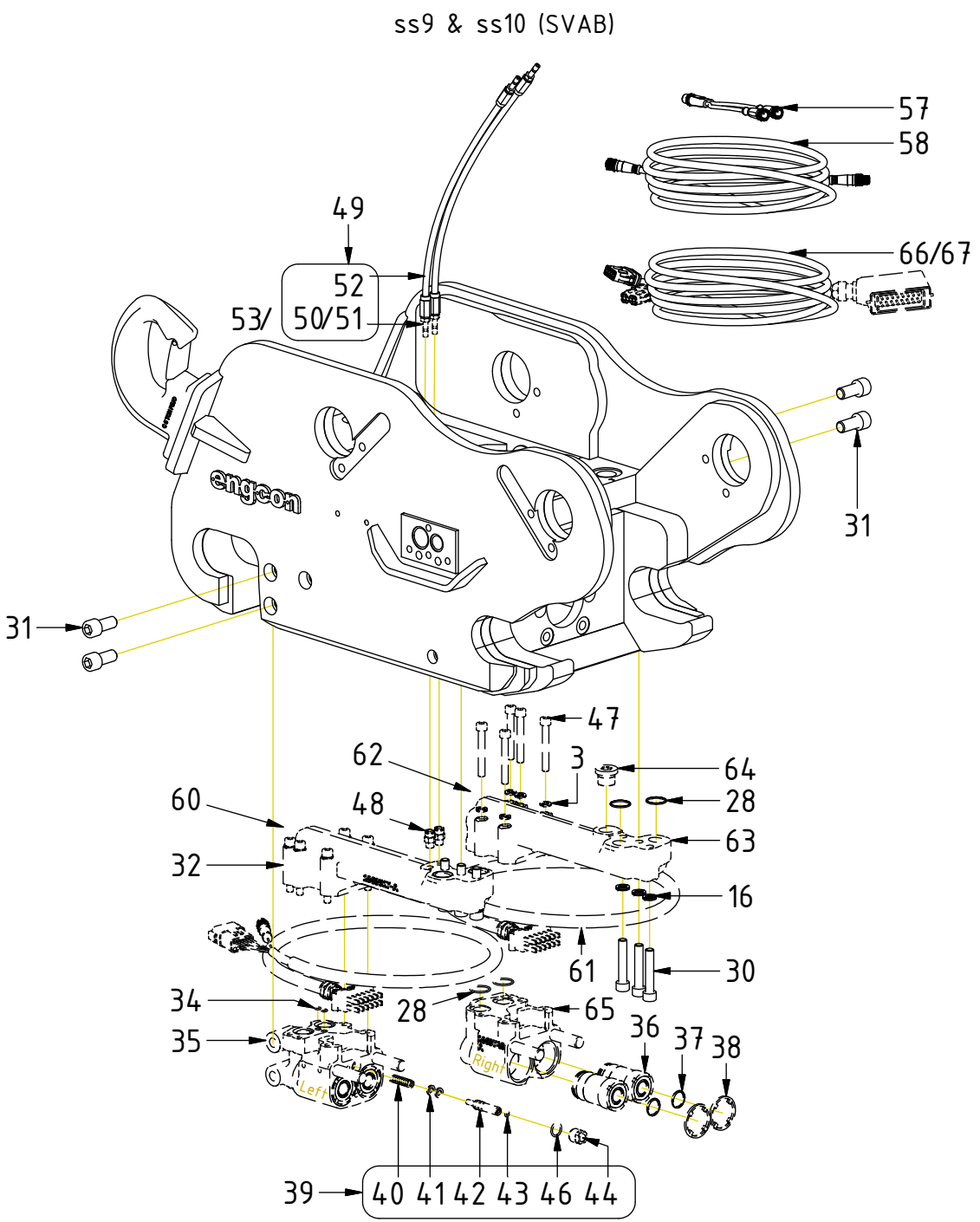
POS in order of assembly



Photos on page 6.

Machine hitch - S60

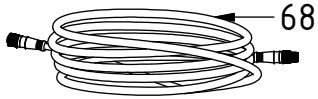
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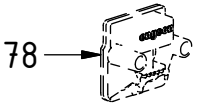


POS	DESCRIPTION	PART	QTY	COMMENTS
3	Washer NL 8mm	611040	9	QTY depends on config.
16	Washer NL 10mm	611041	14	
28	O-ring 21,95x1,78	7001829	6	
30	Screw MC6S M10x55 12.9 ZFSHL	612022	3	Torque: 79Nm
31	Screw MC6S M14x30 12.9 ZFSHL	6000197	2	Loxeal 83-52. Torque: 217Nm
32	Connection block ECO Left	1069516	2	
34	O-ring 4,48x1,78	7001849	4	
35	Block ECO60 W Hitch S60 Left	1070300	2	
36	Coupling ECO W 1/2" V4	1078510	2	Torque: 60Nm. (POS.37 incl.)
37	Flat sealing for ECO W 1/2" V3	1050018	2	
38	Dirt protection block ECO 1/2"	1028229	2	
39	Lubrication kit ECO W V2	1050794	1	(POS.40-46 incl.)
40	Spring 6058	1024113	1	
41	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring incl. with seal ring)
42	Grease piston	1024111	1	
43	O-ring 3,69x1,78	1024115	1	
44	Nut grease piston	1047688	1	Wrap with thread sealing tape
45	O-ring 9,25x1,78	712429	1	Located inside nut
46	O-ring 14x2	7000767	1	
47	Screw MC6S M8x60 12.9	610441	5	
48	Push-in coupling R1/8"	790172	4	
49	Hose kit - lubrication ECO W	7000514	1	(POS.50-52 incl.)
50	Push-In Tube sleeve straight 20mm	7001521	2	Depends on the specific hitch model
51	Push-In Tube sleeve 45° 15mm	7001980	2	Depends on the specific hitch model
52	Hose 2m - lubricant ECO	790176	2	
53	Tube sleeve 90° Push-In	7000318	2	If colliding axle. See p.9 for instr.
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 3,4m	8002249	1	Attach to Y-split
60	Connect.bl. w. ECO hy.el.cl. Compl. L	1086429	1	(POS.3,28,32,34-36,38-39,47-48,61)
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
62	Connection bl. w. ECO hy.el. Compl. R	1086430	1	(POS.3, 28, 34, 36, 38, 47, 61,63-65)
63	Connection block ECO Right	1069728	1	
64	Plug 70125-08 (1/2")	711500	1	
65	Block ECO60 W Hitch S60 Right	1071805	1	
66	Agg. cable ECO60 W ss9-2 (1x 12P)	1036846	1	Attach to Left 12P
67	Agg. cable ECO60 W ss10 (2x 12P)	1029500	1	Attach to both 12P
68	Cable ePS ECO W ss9, ss10(SVAB)	8002458	1	Attach to Right M12

POS in order of assembly

ePS:



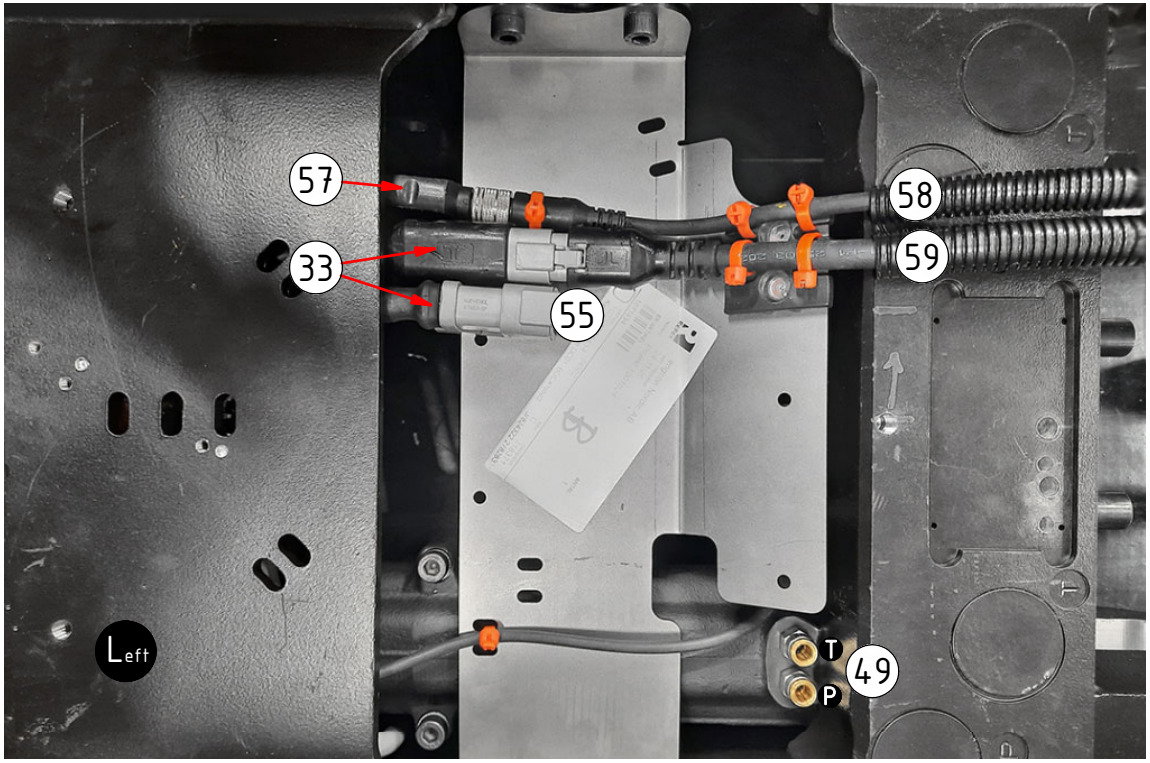


Photos on page 7-8.

Machine hitch - S60

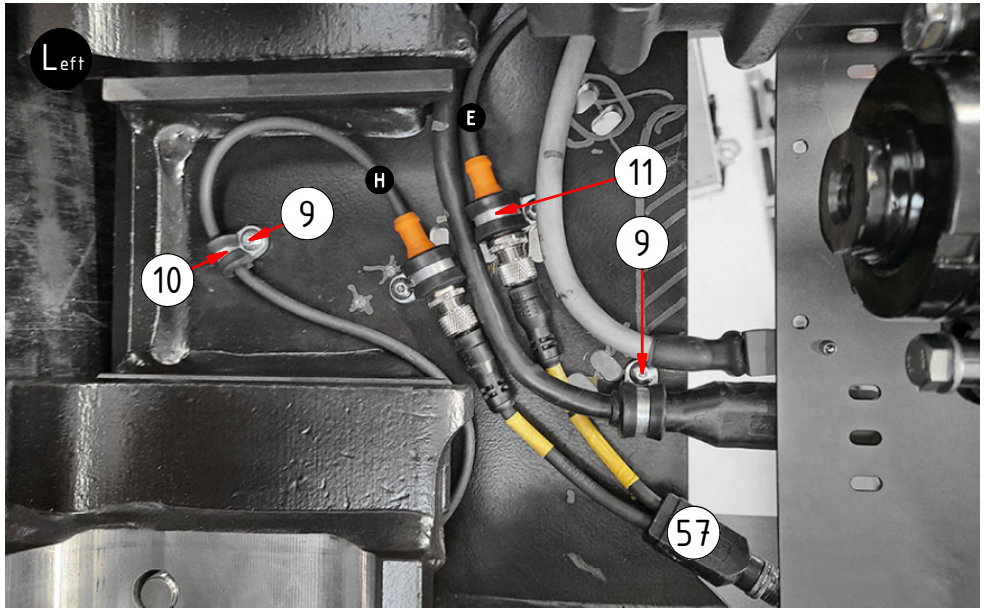
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DC3



POS	DESCRIPTION	PART	QTY	COMMENTS
9	Screw K6S M5x8 10.9 FZB	6000408	3	QTY: 4 for DC3
10	Rubber steel clamp ø6	6000027	1	
11	Rubber steel clamp ø14	613009	2	QTY: 3 for DC3
33	Power plug ECO W Hitch (4P, 6P)	8002155	1	
49	Hose kit - lubrication ECO W	7000514	1	(POS.50-52 incl.)
55	Plug for 6P	8000620	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 3,4m	8002249	1	Attach to Y-split
59	Extension Cable ECO W DC3 (4S, 4P)	8002371	1	Attach to 4P
●	Use cable ties			

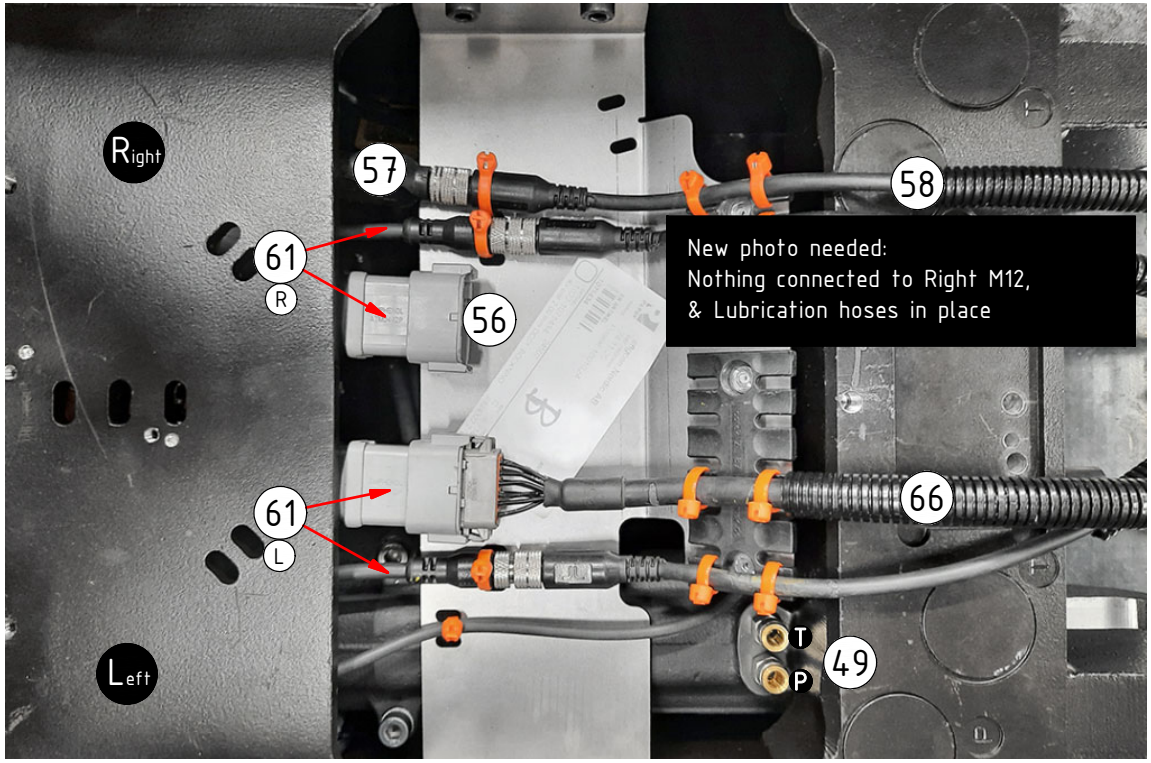
POS in order of assembly



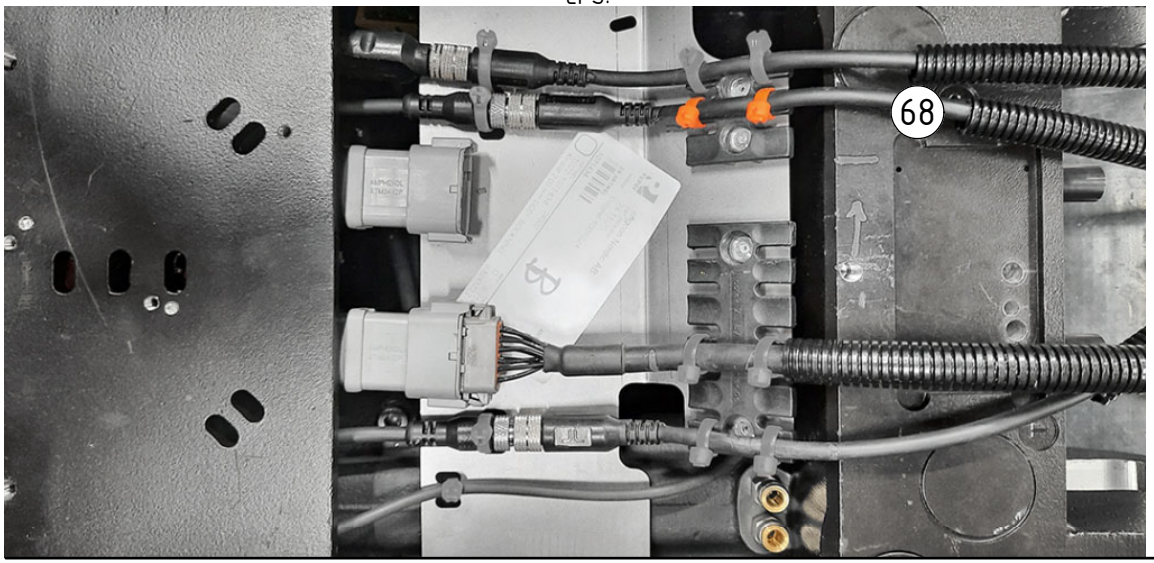
Machine hitch - S60

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ss9

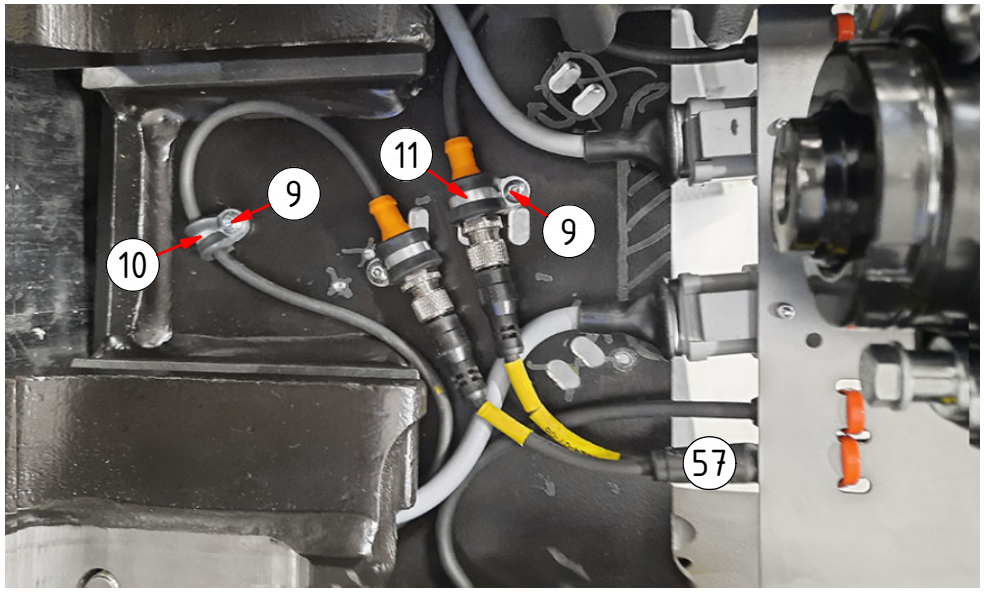


ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
9	Screw K6S M5x8 10.9 FZB	6000408	3	QTY: 4 for DC3
10	Rubber steel clamp ø6	6000027	1	
11	Rubber steel clamp ø14	613009	2	QTY: 3 for DC3
49	Hose kit - lubrication ECO W	7000514	1	(POS.50-52 incl.)
56	Plug for 12P	8002058	1	
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 3,4m	8002249	1	Attach to Y-split
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
66	Agg. cable ECO60 W ss9-2 (1x 12P)	1036846	1	Attach to Left 12P
68	Cable ePS ECO W ss9, ss10(SVAB)	8002458	1	Attach to Right M12
●	Use cable ties			

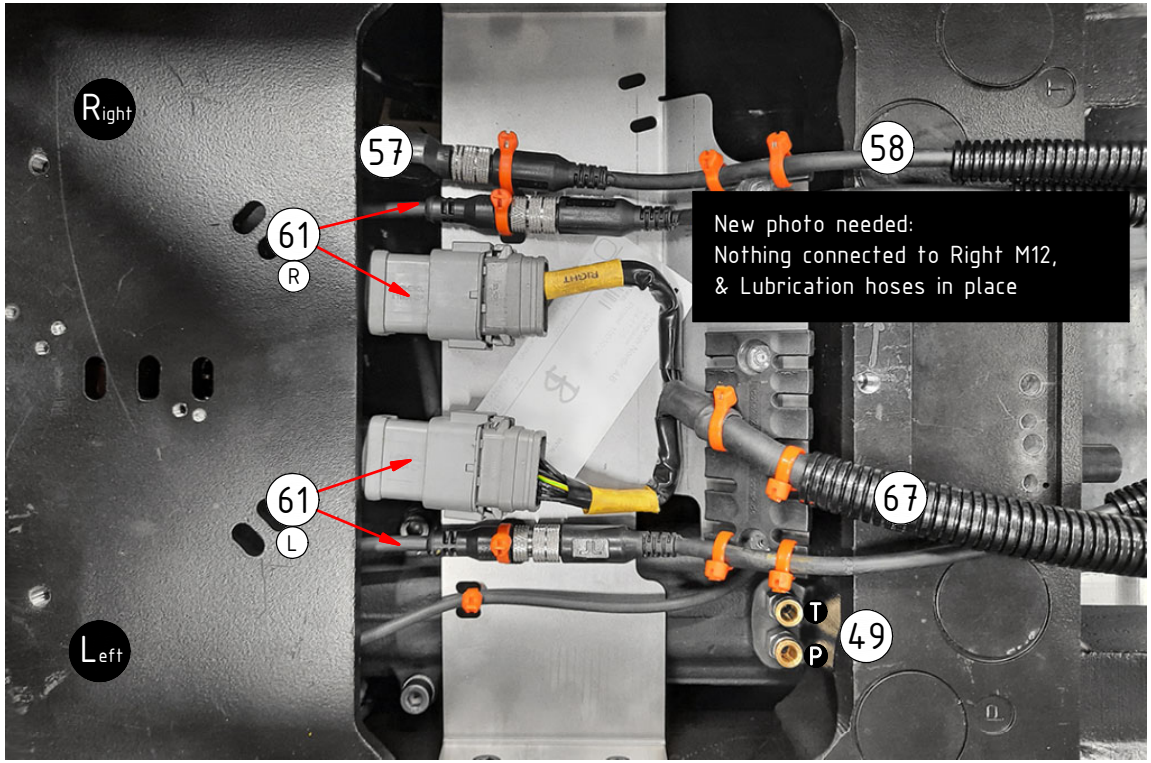
POS in order of assembly



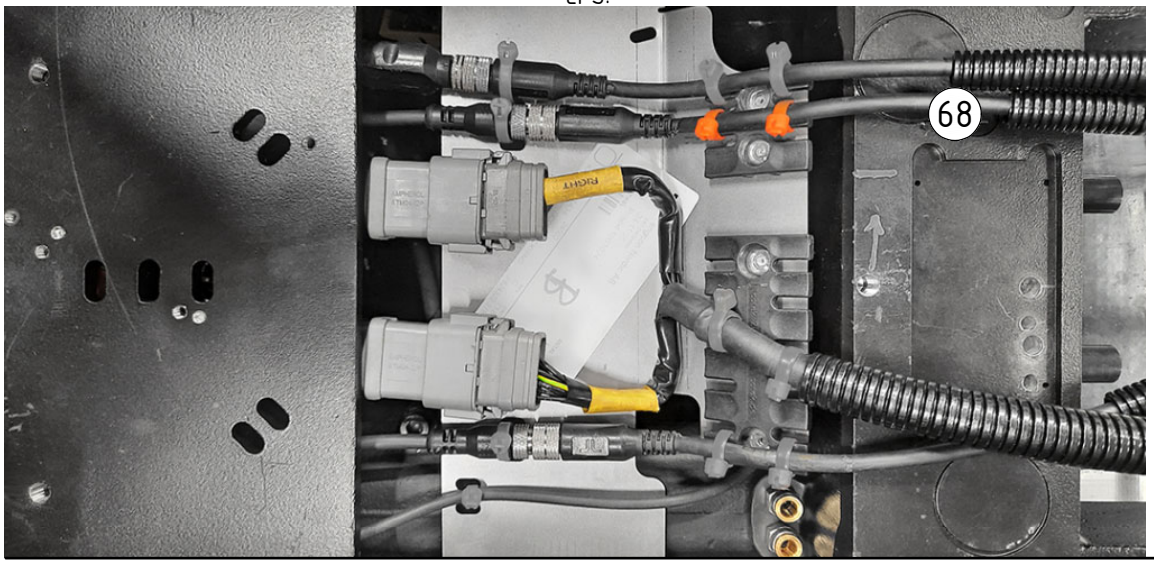
Machine hitch - S60

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ss10 (SVAB)

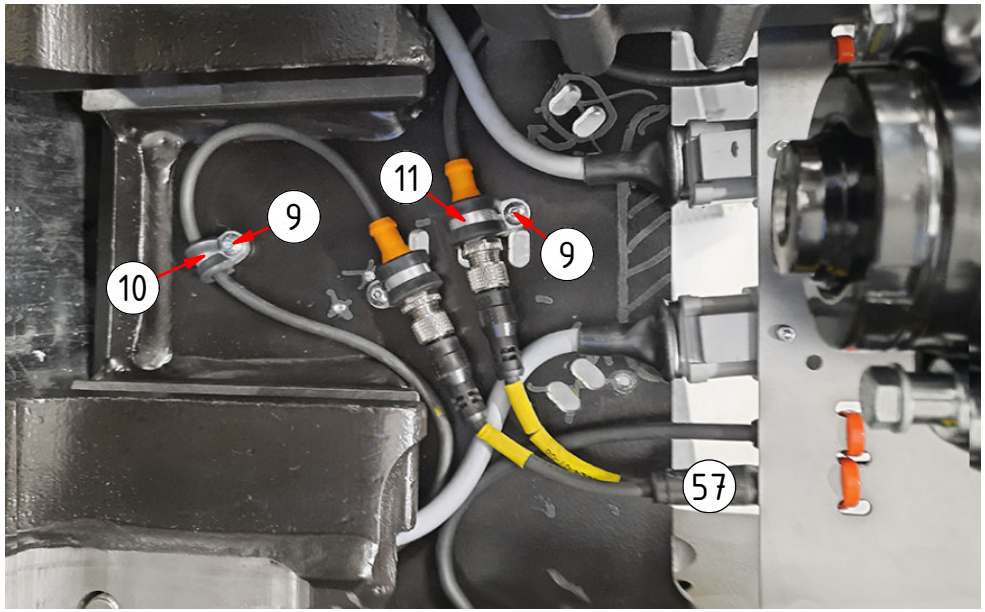


ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
9	Screw K6S M5x8 10.9 FZB	6000408	3	QTY: 4 for DC3
10	Rubber steel clamp ø6	6000027	1	
11	Rubber steel clamp ø14	613009	2	QTY: 3 for DC3
49	Hose kit - lubrication ECO W	7000514	1	(POS.50-52 incl.)
57	Y-split M12-8P->2x M12-4S QSM/S	8002139	1	Attach to QS sensors
58	Cable QS-QLM Machine hitch 3,4m	8002249	1	Attach to Y-split
61	Power plug ECO W Hitch (12P, M12)	8002197	1	Cable gland torque: 6Nm
67	Agg. cable ECO60 W ss10 (2x 12P)	1029500	1	Attach to both 12P
68	Cable ePS ECO W ss9, ss10(SVAB)	8002458	1	Attach to Right M12
●	Use cable ties			

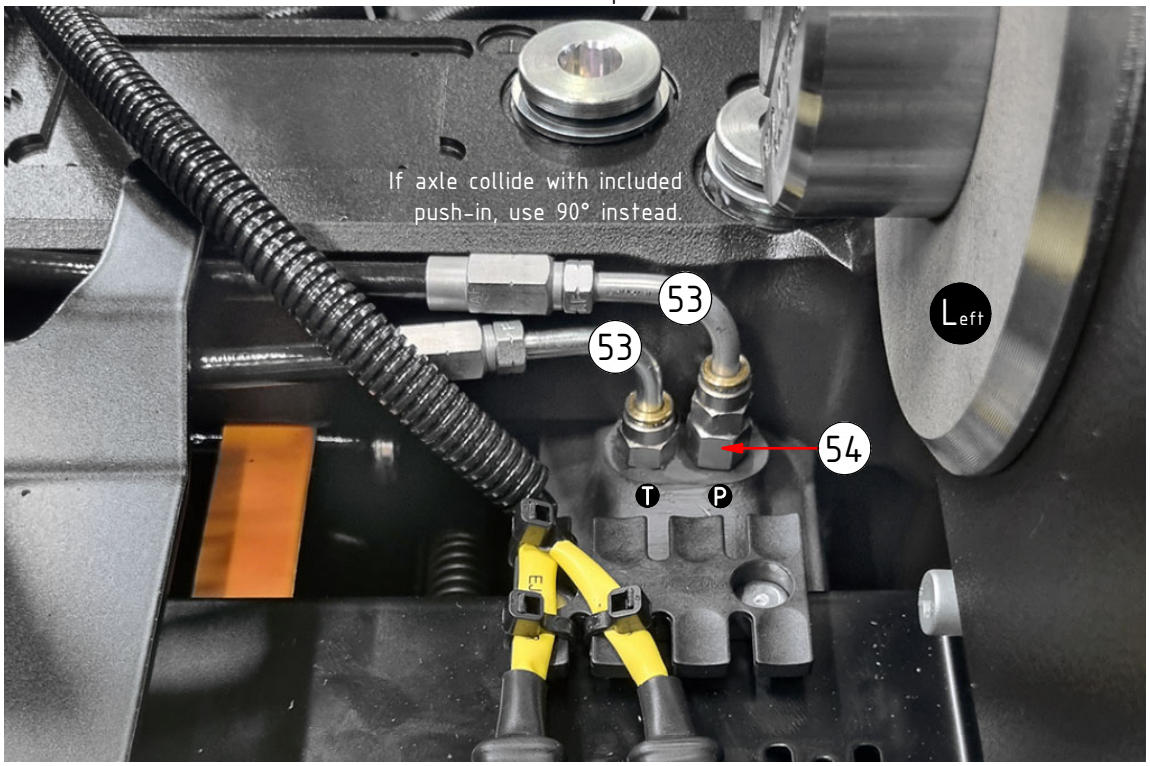
POS in order of assembly



Machine hitch - S60

special / options

Alternative push-in:



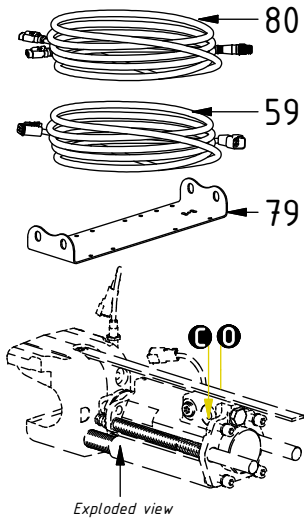
POS	DESCRIPTION	PART	QTY	COMMENTS
53	Tube sleeve 90° Push-In	7000318	2	If colliding axle / narrow cc.
54	Extender 18mm R1/8"	712216	1	

POS in order of assembly

RELATED SPARE PARTS

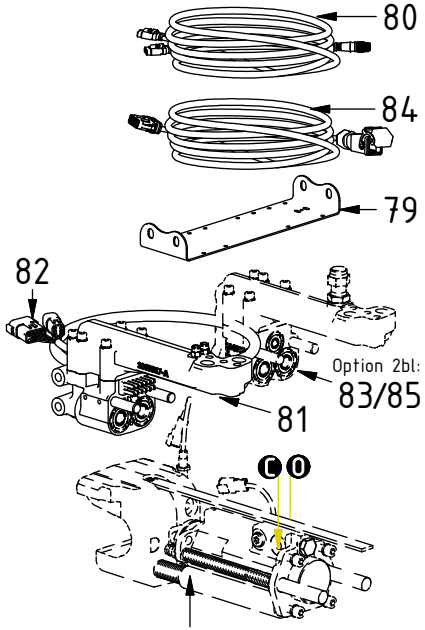
Std.comp. **QS60** in **S60** until 2026-09-30

DC3



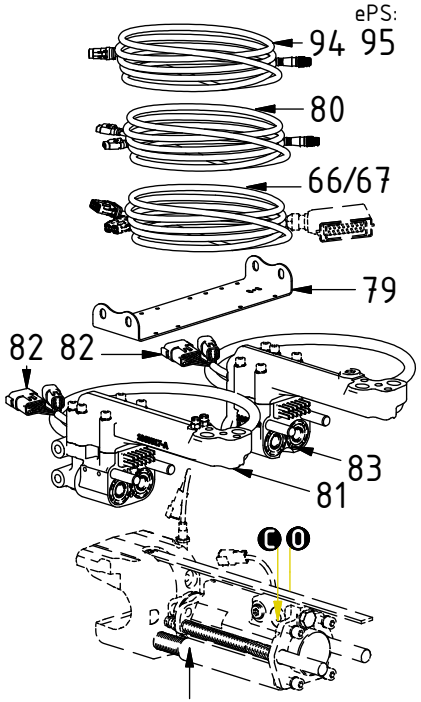
Exploded view
Std. Hitch components
QS in S (1081195)

DC2
(Discontinued)



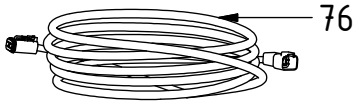
Exploded view
Std. Hitch components
QS in S (1081195)

ss9 & ss10 (SVAB)



Exploded view
Std. Hitch components
QS in S (1081195)

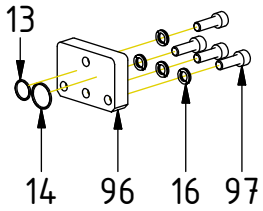
DC3 until 2024-04



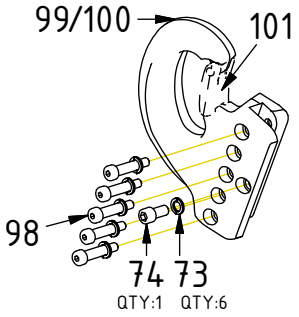
POS	DESCRIPTION	PART	QTY	COMMENTS
13	O-ring 18,77x1,78	710981	2	
14	O-ring 25,12x1,78	710984	2	
15	Side block S60 hose connection V2	1070991	2	
16	Washer NL 10mm	611041	14	
59	Extension Cable ECO W DC3 (4S, 4P)	8002371	1	Attach to 4P (Same as current)
66	Agg. cable ECO60 W ss9-2 (1x 12P)	1036846	1	Attach to Left 12P (Same as current)
67	Agg. cable ECO60 W ss10 (2x 12P)	1029500	1	Attach to both 12P (Same as current)
73	Washer NL 12mm	611042	8	
74	Screw MC6S M12x25 12.9 ZFSHL	6000164	8	
76	Cable 2m ECO W DC3 (4S, 4P)	8001887	1	Replaced by POS.59 from 2024-04
79	Bolted plate S60 (QS60)	1071434	1	For QS60 cables assy.
80	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
81	Connect.bl. w. ECO hy.el.cl. Compl. L	1082331	1	(POS.3,28,32,34-36,38-39,47-48,82)
82	Power plug ECO W Hitch (12P, 6P)	8002050	1	Cable gland torque: 6Nm
83	Connection bl. w. ECO hy.el. Compl. R	1082332	1	(POS.3, 28, 34, 36, 38, 47, 63-65,82)
84	Agg. cable ECO60 W DC2 (1x 12P)	1048528	1	Attach to 12P
85	Connection bl. w. ECO 3hy. Compl. R	1081448	1	(POS.3, 28, 36, 38, 47, 63, 86-91,93)
86	Washer GBR08 1/2	710704	1	
87	Adapter 1260-08-08 (1/2")	710244	1	
88	Protective Bonnet 155-08 (1/2")	711627	1	
89	O-ring 12,42x1,78 - NBR 90	7001842	2	
90	Block ECO60 W Hitch S60 Right 5hy.	1070496	1	
91	Coupling ECO 3/8" V3	1053029	1	(POS.92 incl.)
92	Flat sealing for ECO 3/8" V3	1052976	1	
93	Dirt protection block ECO 3/8"	1028274	1	
94	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
95	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
96	Cover plate S60 (without sideblock)	1070776	2	Replaced by POS.15 from 2024-02
97	Screw MC6S M10x30 12.9 ZFSHL	612018	12	Torque: 79Nm
98	Shoulder bolt 12x40/M10 12.9	6000391	5	Torque: 57Nm
99	Lifting hook forged bolted 5T	1072513	1	(POS.73-74, 98, 101 incl.)
100	Lifting ear bolted 5T	1074575	1	(POS.73-74, 98 incl.)
101	Safety latch	1075454	1	

POS in order of assembly

Std. assy. until 2024-02

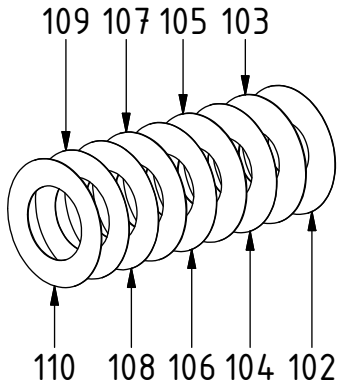


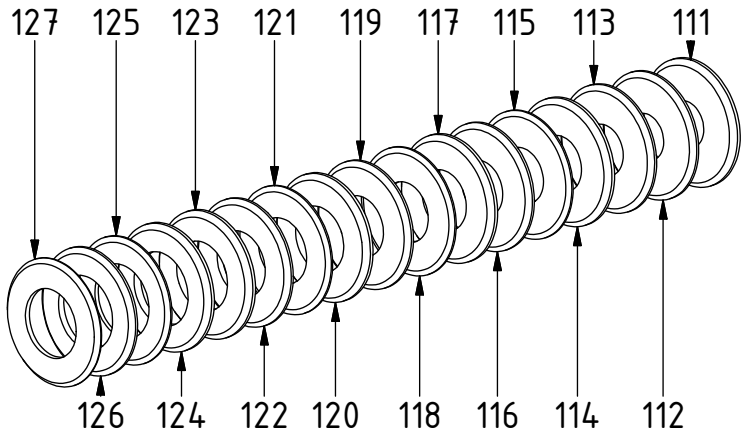
Used until 2024



RELATED SPARE PARTS

SHIMS:





POS	DESCRIPTION	PART	QTY	COMMENTS
102	Shim Ø140/61x0,5	1073126	1	
103	Shim Ø140/61x1,0	1073127	1	
104	Shim Ø140/66x0,5	1071748	1	
105	Shim Ø140/66x1,0	1071749	1	
106	Shim Ø140/72x0,5	1071750	1	
107	Shim Ø140/72x1,0	1071751	1	
108	Shim Ø140/76x0,5	1077380	1	
109	Shim Ø140/81x0,5	1071752	1	
110	Shim Ø140/81x1,0	1071753	1	
111	Shim chamfered Ø140/51x10	1074783	1	
112	Shim chamfered Ø140/51x8	1074781	1	
113	Shim chamfered Ø140/56x8	1074748	1	
114	Shim chamfered Ø140/61x10	1073130	1	
115	Shim chamfered Ø140/61x5	1073128	1	
116	Shim chamfered Ø140/61x8	1073129	1	
117	Shim chamfered Ø140/66x10	1071001	1	
118	Shim chamfered Ø140/66x5	1071773	1	
119	Shim chamfered Ø140/66x8	1071775	1	
120	Shim chamfered Ø140/72x10	1071786	1	
121	Shim chamfered Ø140/72x5	1071782	1	
122	Shim chamfered Ø140/72x8	1071784	1	
123	Shim chamfered Ø140/76x10	1077379	1	
124	Shim chamfered Ø140/81x10	1071790	1	
125	Shim chamfered Ø140/81x5	1071788	1	
126	Shim chamfered Ø140/81x8	1071789	1	
127	Shim chamfered Ø140/76x6	1085732	1	

POS in order of assembly