COVERSHEET

Planned document changes:

Breifly:

2026-03-04. New QS50 hitch: replace QS50 photos.
NB, **see QS45 assy.** for placements (connectors etc.)!

2025-09-09. Update POS.34: 790185 no longer included. Hose is still 790176.
790175 replaced by 7001521, (alternative 45°: 7001980, depends on spicific hitch model).

2024-12-20. Add to POS.46: Torque 60Nm.

2024-11-15. Add to POS.50: Torque 136Nm.

Document changes:

Date:	Change:	Rev. after change:
2024-08-12	ss10 (DC2/SVAB) & ss9 ECO blocks updated. DC3 cable updated.	I
2024-03-04	DC3 added.	H
2023-08-18	Cables replaced.	G
2023-02-14	New ECO std. configurations from 2023.	F
2021-10-04	Part no for lubrication kit corrected.	E
2020-05-07	ECO couplings replaced. DC2 option 5hyd added.	D
2020-01-16	Spare parts and cover updated.	C
2019-12-10	ECO50 W transport protection added.	B
2019-11-22	ECO ePS cables added. Spare parts added.	A
2018-08-15	New document.	-

Readers note:

Indicates instruction.

Represents Hose.

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

Machine hitch - QS45/QS50

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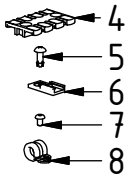
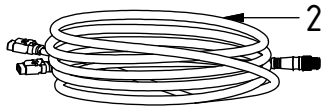


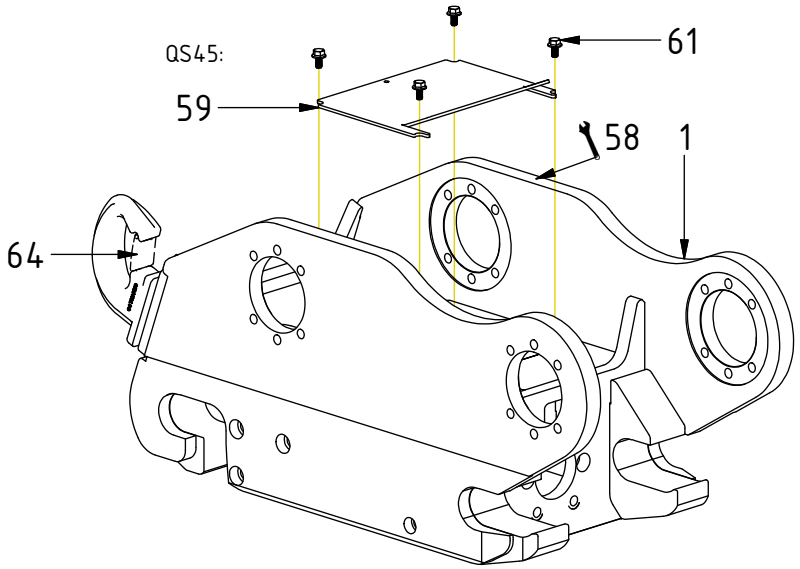
Without EC-Oil



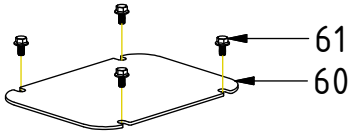
POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
4	Strain relief plate ZL87	8000704	2	
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
58	Punch serial number into hitch			
59	Cover QS45 V3	1053624	1	
60	Cover QS45/QS50	1025581	1	Only for QS50 from 2019-10
61	Screw M6SF 8x12H Riffled	6000120	4	
64	Safety latch	404250	1	Lifting hook spare part

POS in order of assembly

QS45:



QS50:



Machine hitch - QS45/QS50

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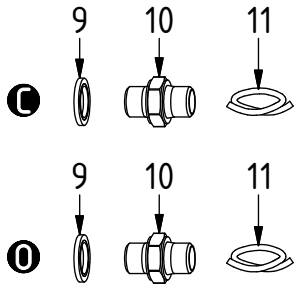
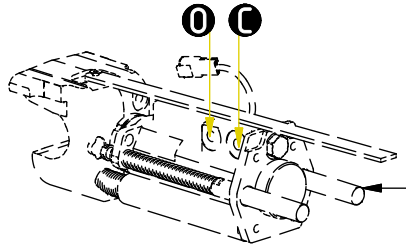
Hoses

POS	DESCRIPTION	PART	QTY	COMMENTS
9	Washer GBR04 1/4	710702	2	
10	Adapter 138-04-29 (1/4'')	710135	2	
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	

POS in order of assembly

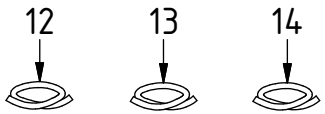




Exploded view

Std. Hitch components

Liebherr: Lännen: Huddig:



Photos on page 11-20.

Machine hitch - QS45/QS50

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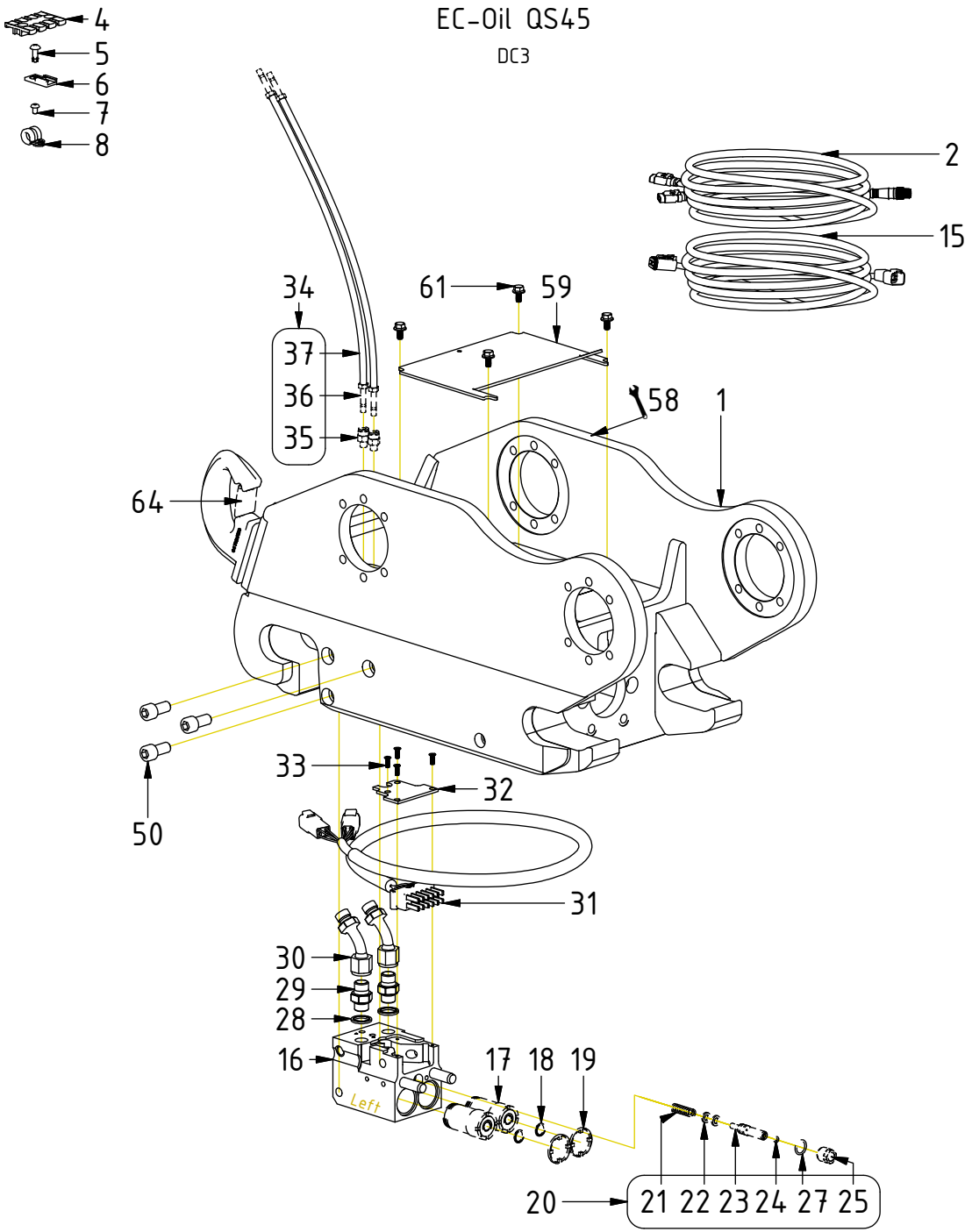
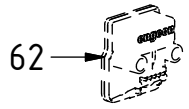


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
4	Strain relief plate ZL87	8000704	2	
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
15	Cable ECO W DC3 3m (4S, 4P)	8002297	1	Attach to 4P
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
31	Power plug ECO W Hitch (4P, 6P)	8002149	1	
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
58	Punch serial number into hitch			
59	Cover QS45 V3	1053624	1	
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up
64	Safety latch	404250	1	Lifting hook spare part

POS in order of assembly



Photos on page 12.

Machine hitch - QS45/QS50

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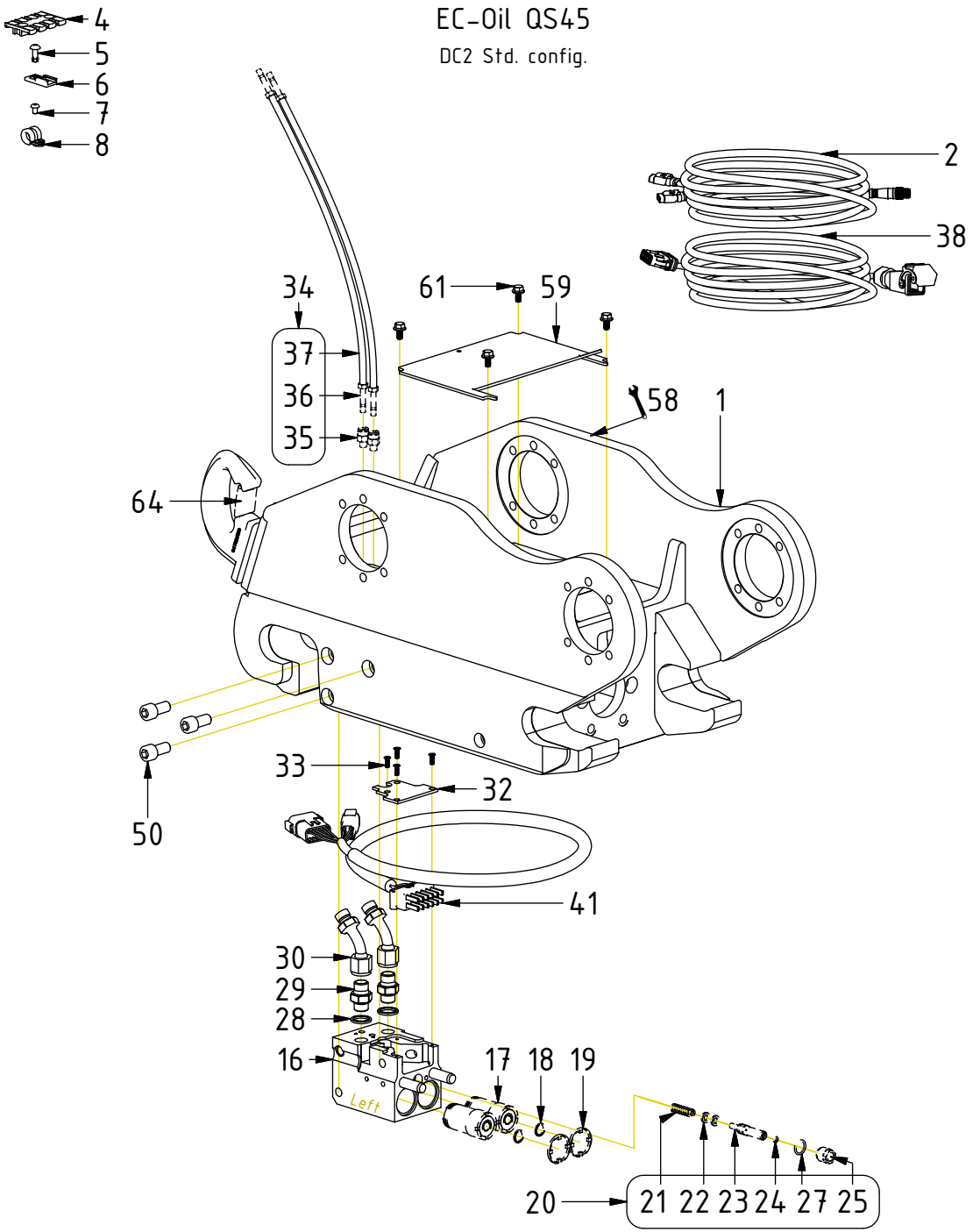
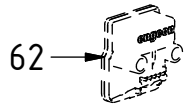


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
4	Strain relief plate ZL87	8000704	2	
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
58	Punch serial number into hitch			
59	Cover QS45 V3	1053624	1	
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up
64	Safety latch	404250	1	Lifting hook spare part

POS in order of assembly



Photos on page 13.

Machine hitch - QS45/QS50

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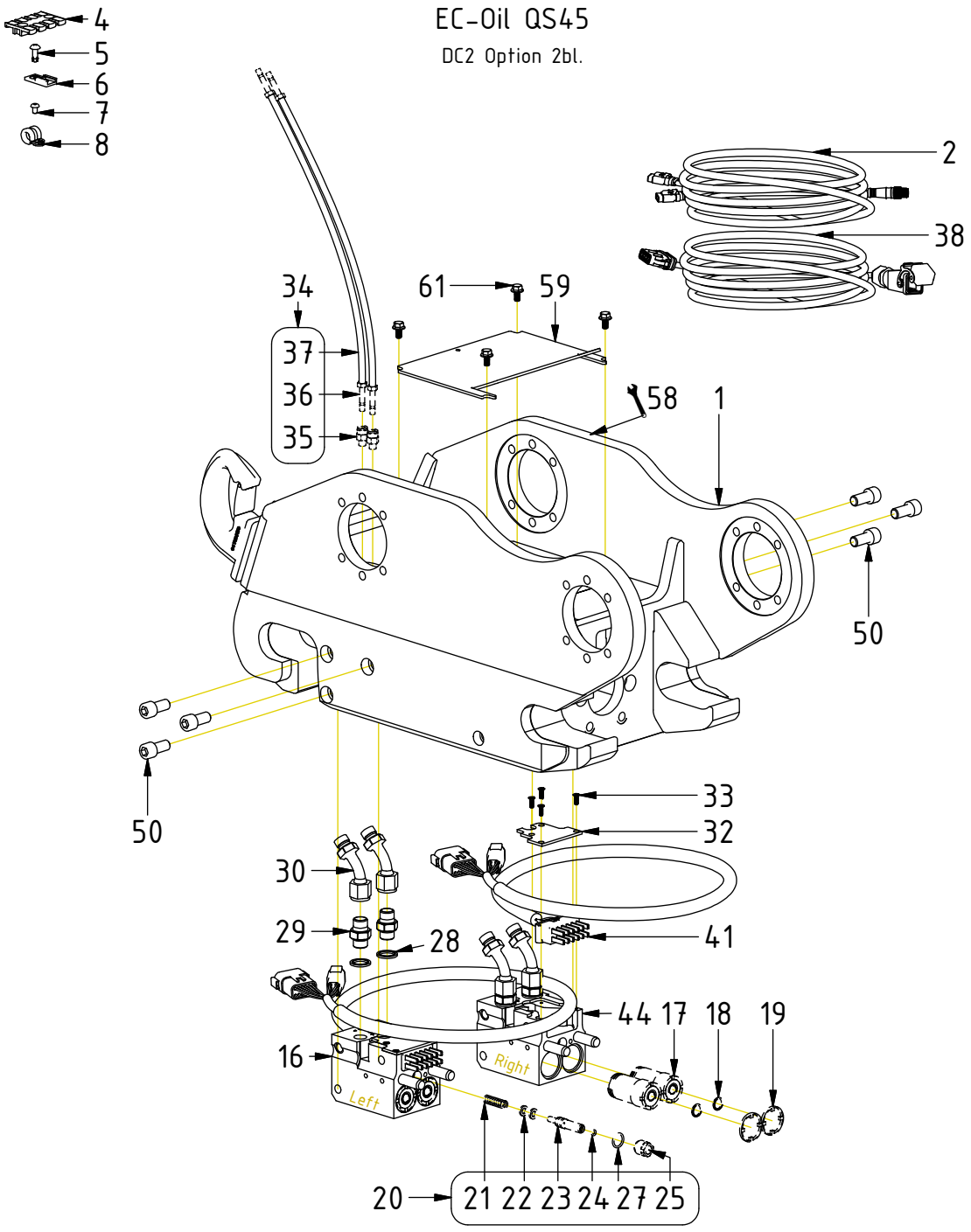
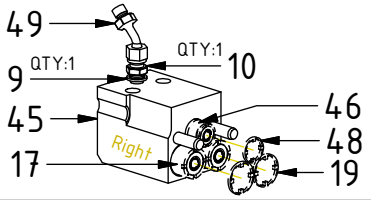
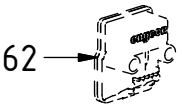


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
4	Strain relief plate ZL87	8000704	2	
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
9	Washer GBR04 1/4	710702	2	
10	Adapter 138-04-29 (1/4'')	710135	2	
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8'')	710106	2	
30	Adapter 489-06-06 45° (3/8'')	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
44	Block ECO45W Hitch 2hy. Complete	1076524	1	(POS.17, 19 incl.)
45	Block ECO45W Hitch 3hy. Complete	1054417	1	(POS.17, 19, 46, 48 incl.)
46	Coupling ECO 1/4" V3	1053683	1	(POS.47 incl.)
47	Flat sealing for ECO 1/4" V3	1053936	1	
48	Dirt protection block ECO 1/4"	1054419	1	
49	Adapter 489-04-04 45° (1/4'')	710163	1	
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
58	Punch serial number into hitch			
59	Cover QS45 V3	1053624	1	
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up

POS in order of assembly

Option 5 hyd:





Photos on page 14.

Machine hitch - QS45/QS50

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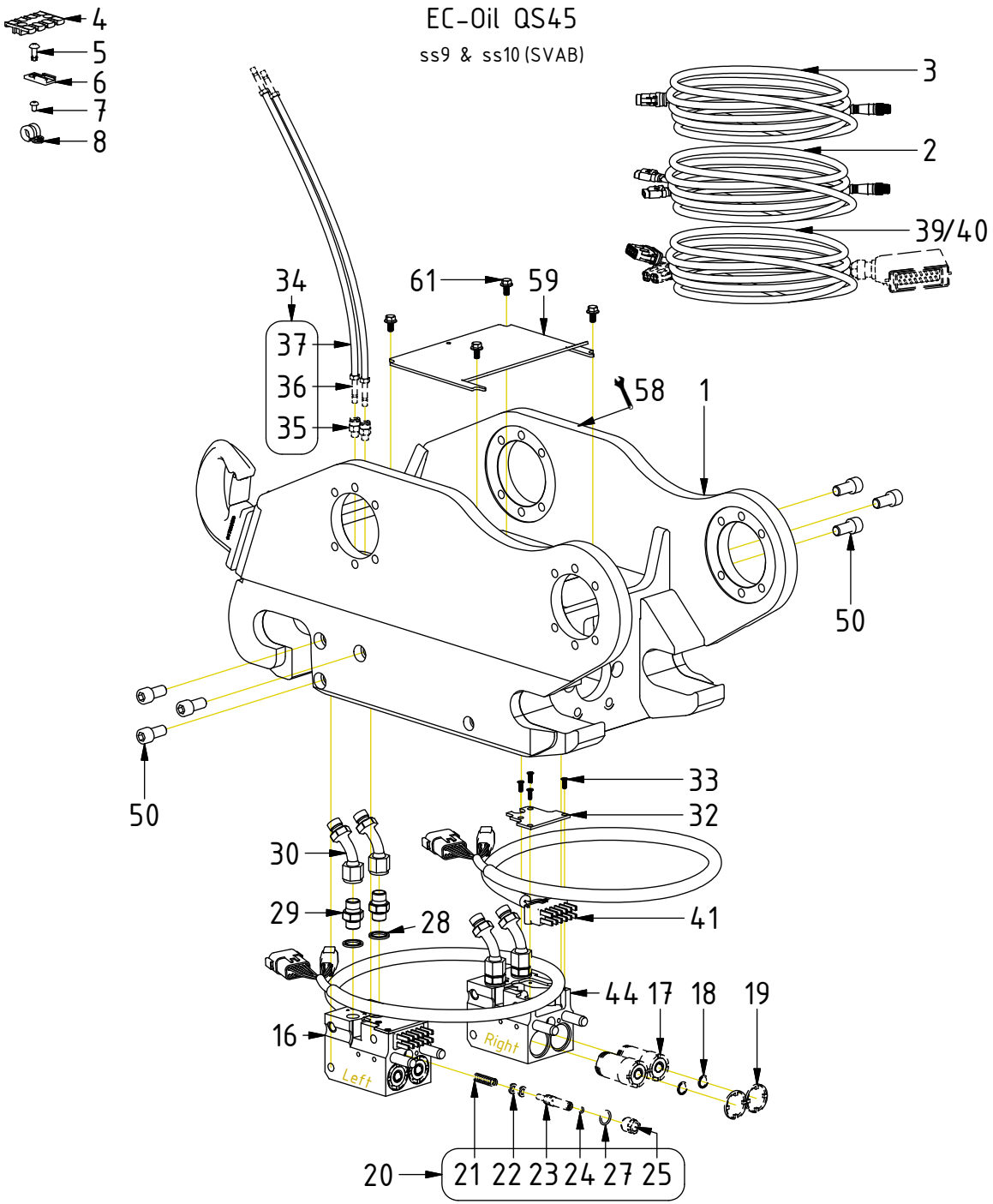
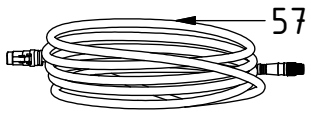
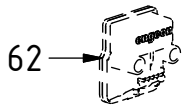


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
4	Strain relief plate ZL87	8000704	2	
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
39	Machinecable ECO W ss9-2 (1x 12P)	1036844	1	Attach to Left 12P
40	Machinecable ECO W SVAB (2x 12P)	8002008	1	Attach to both 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
44	Block ECO45W Hitch 2hy. Complete	1076524	1	(POS.17, 19 incl.)
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
58	Punch serial number into hitch			
59	Cover QS45 V3	1053624	1	
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up

POS in order of assembly

ePS:





Photos on page 15-16.

Machine hitch - QS45/QS50

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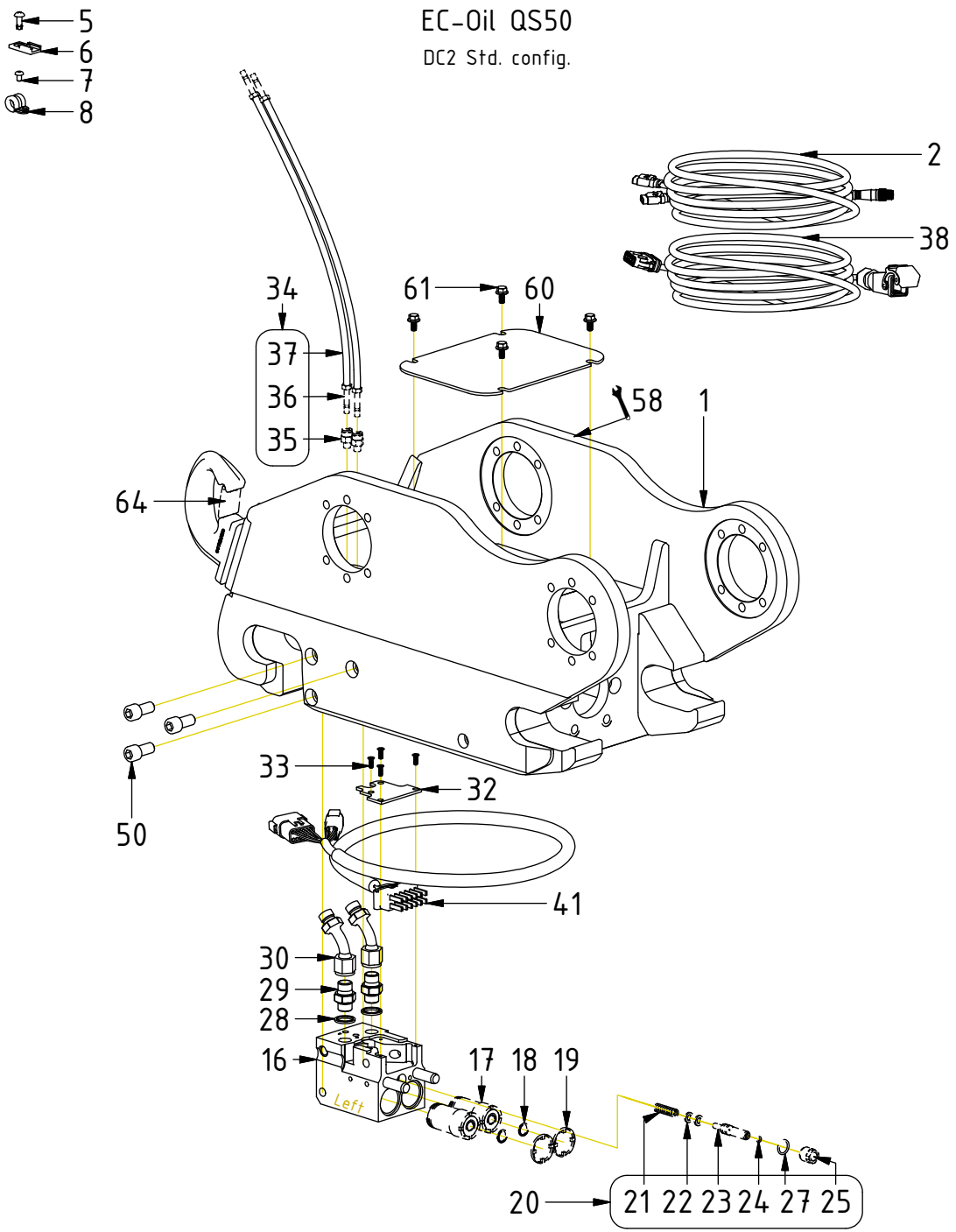
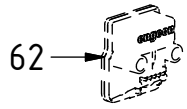


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
58	Punch serial number into hitch			
60	Cover QS45/QS50	1025581	1	Only for QS50 from 2019-10
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up
64	Safety latch	404250	1	Lifting hook spare part

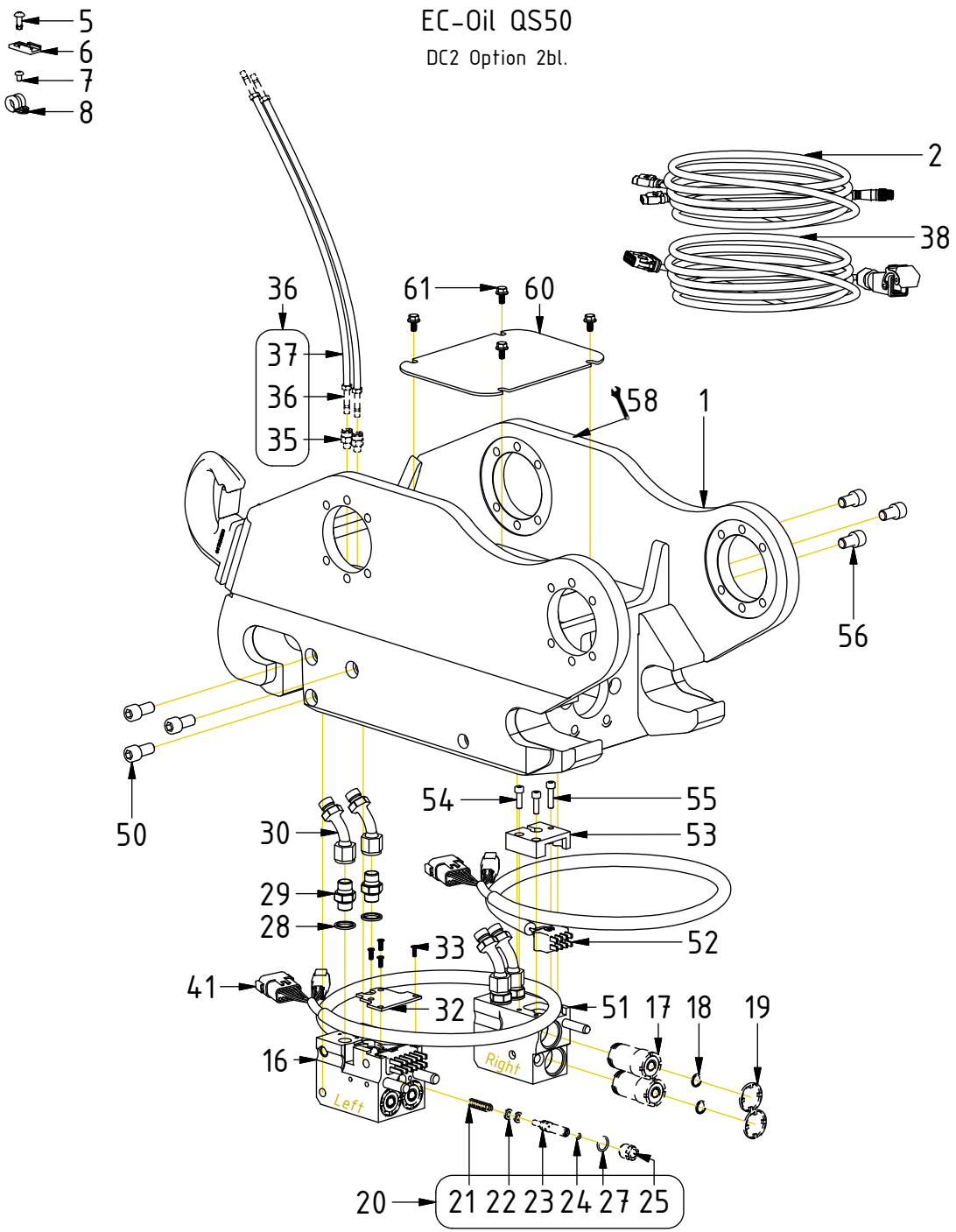
POS in order of assembly



Photos on page 17.

Machine hitch - QS45/QS50

engcon®



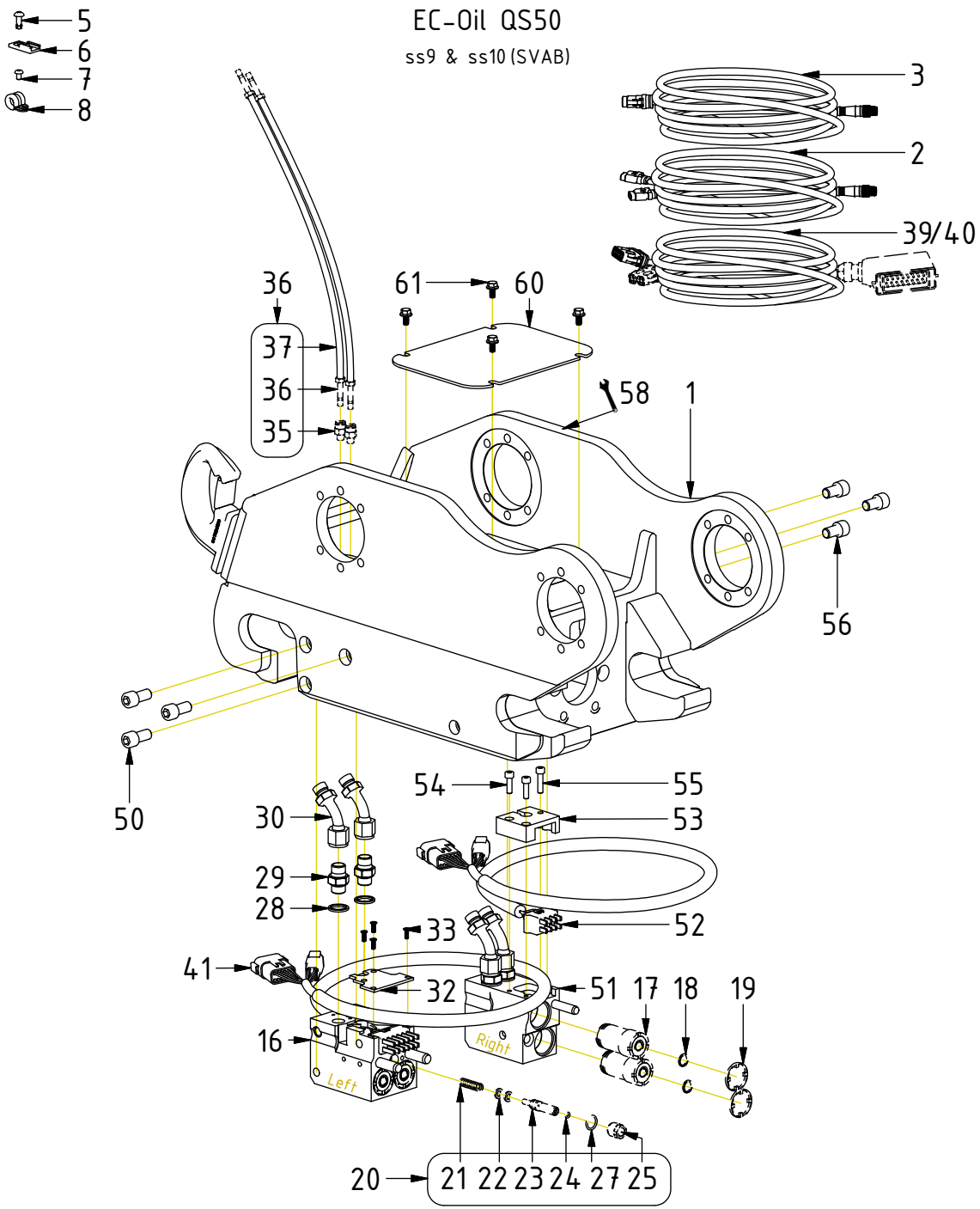
POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
51	Block ECO50W Hitch 2hy. Complete	1055714	1	(POS.17, 19 incl.)
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
53	Coverplate block ECO50 W Hitch	1041647	1	
54	Screw MC6S M6x20 12.9	610414	2	
55	Screw MC6S M6x25 12.9	6000083	1	
56	Screw MC6S M12x20 12.9	610472	3	Loxeal 83-52
58	Punch serial number into hitch			
60	Cover QS45/QS50	1025581	1	Only for QS50 from 2019-10
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up
63	Transport Protection ECO50-Block	1049167	2	Part of make up

POS in order of assembly

Photos on page 18.

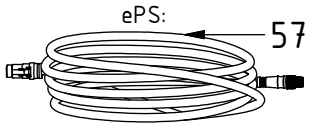
Machine hitch - QS45/QS50

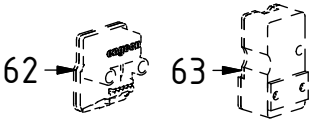
engcon®



POS	DESCRIPTION	PART	QTY	COMMENTS
1	Quick hitch is selected via engcon			(Machine dependent)
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
5	Blind rivet 4,0x12,3 DIN7337	6000294	10	
6	Holder Deutsch coupling	810662	6	
7	Screw K6S M5x8 10.9 FZB	611801	2	QTY: 3 for QS50 ECO
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
16	Block ECO45W Hitch 2hy.1cl. Compl.	1074021	2	(POS.17, 19-20 incl.)
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
19	Dirt protection block ECO 3/8"	1028274	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
21	Spring 6058	1024113	1	
22	Piston sealing KPOR130 12x7,1x2,2	1024112	2	(O-ring included with seal ring)
23	Grease piston	1024111	1	
24	O-ring 3,69x1,78	1024115	1	
25	Nut grease piston	1047688	1	Wrap with thread sealing tape
26	O-ring 9,25x1,78	712429	1	Located inside POS.25
27	O-ring 14x2	7000767	1	
28	Washer GBR06 3/8	710703	2	
29	Adapter 136-06-06 (3/8")	710106	2	
30	Adapter 489-06-06 45° (3/8")	710164	2	Loxeal 55-02
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
35	Straight Push-in M8x1	790185	2	
36	Pipe stub straight Push-in	790175	2	
37	Hose 2m - lubricant ECO	790176	2	
39	Machinecable ECO W ss9-2 (1x 12P)	1036844	1	Attach to Left 12P
40	Machinecable ECO W SVAB (2x 12P)	8002008	1	Attach to both 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
50	Screw MC6S M12x25 12.9 ZFSHL	6000164	3	Loxeal 83-52
51	Block ECO50W Hitch 2hy. Complete	1055714	1	(POS.17, 19 incl.)
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
53	Coverplate block ECO50 W Hitch	1041647	1	
54	Screw MC6S M6x20 12.9	610414	2	
55	Screw MC6S M6x25 12.9	6000083	1	
56	Screw MC6S M12x20 12.9	610472	3	Loxeal 83-52
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
58	Punch serial number into hitch			
60	Cover QS45/QS50	1025581	1	Only for QS50 from 2019-10
61	Screw M6SF 8x12H Riffled	6000120	4	
62	Transport Protection ECO45-Block	1047812	1	Part of make up
63	Transport Protection ECO50-Block	1049167	2	Part of make up

POS in order of assembly





Photos on page 19-20.

Machine hitch - QS45/QS50

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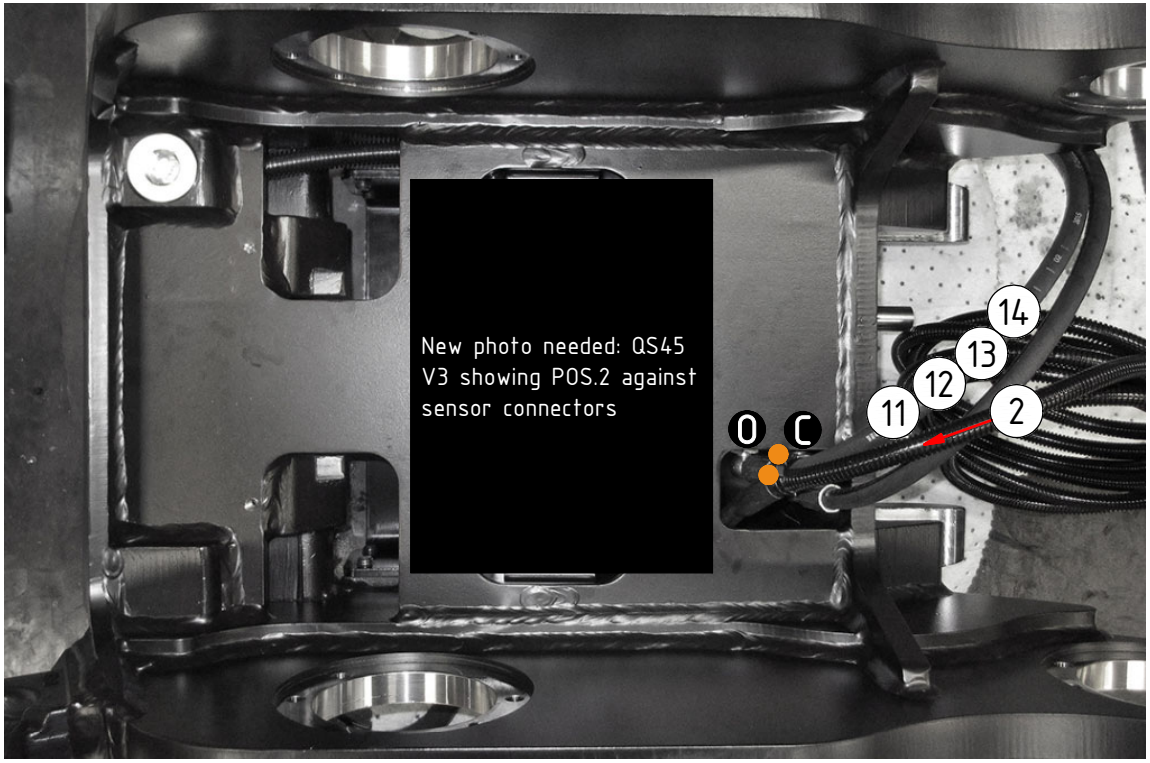
Without EC-Oil

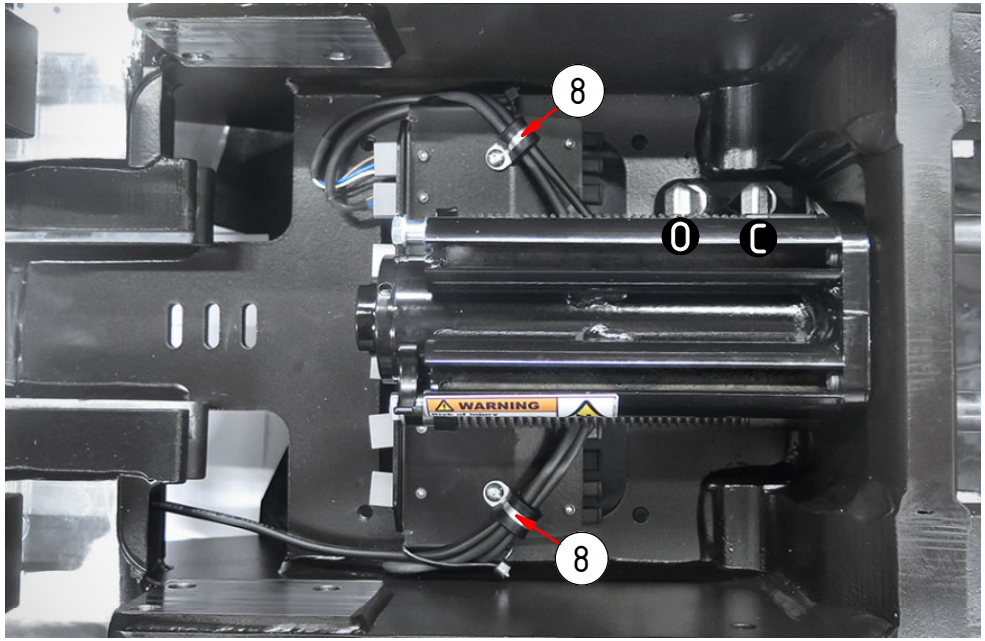
QS45:



QS50:

POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
●	Use cable ties			

POS in order of assembly



Machine hitch - QS45/QS50

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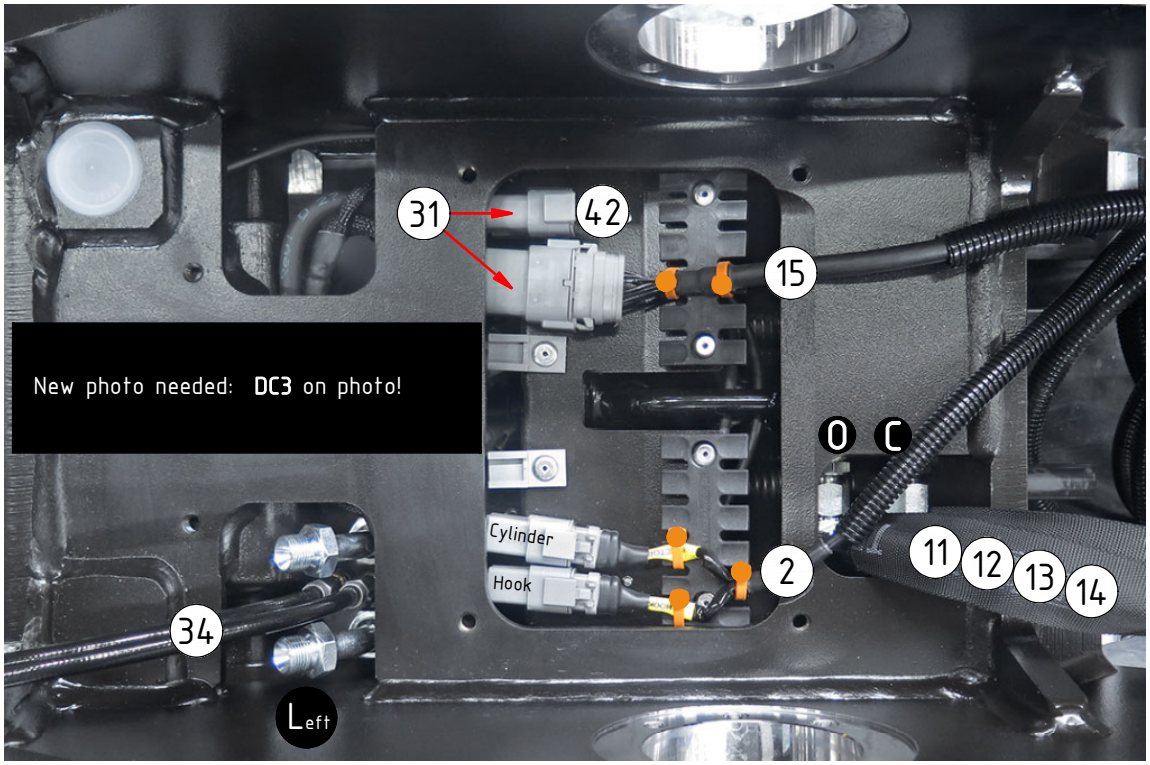
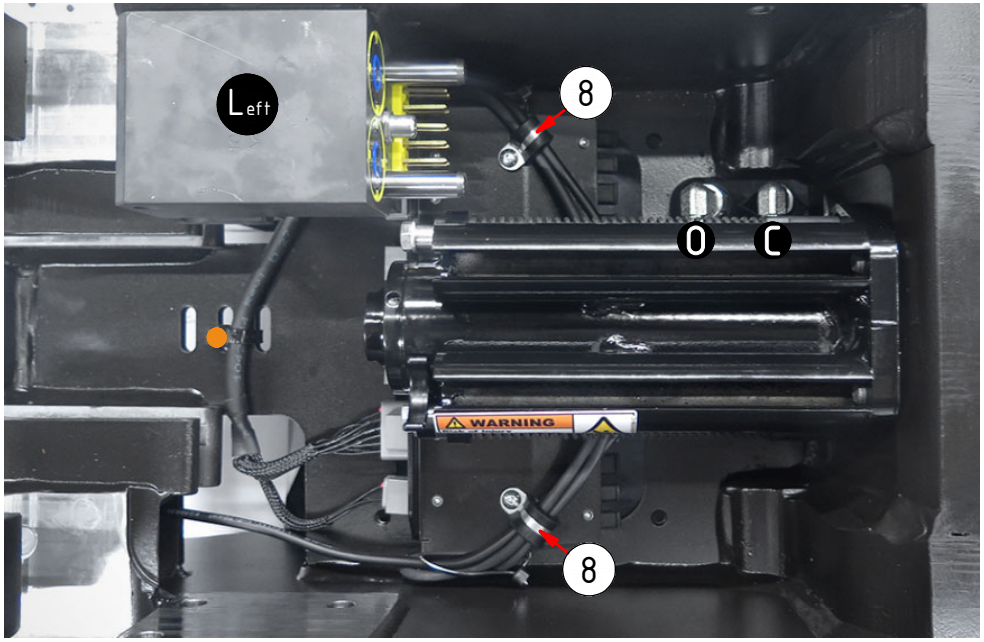
EC-Oil QS45

DC3



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
15	Cable ECO W DC3 3m (4S, 4P)	8002297	1	Attach to 4P
31	Power plug ECO W Hitch (4P, 6P)	8002149	1	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
42	Plug for 6P	8000620	1	QTY depends on config.
●	Use cable ties			

POS in order of assembly



Machine hitch - QS45/QS50

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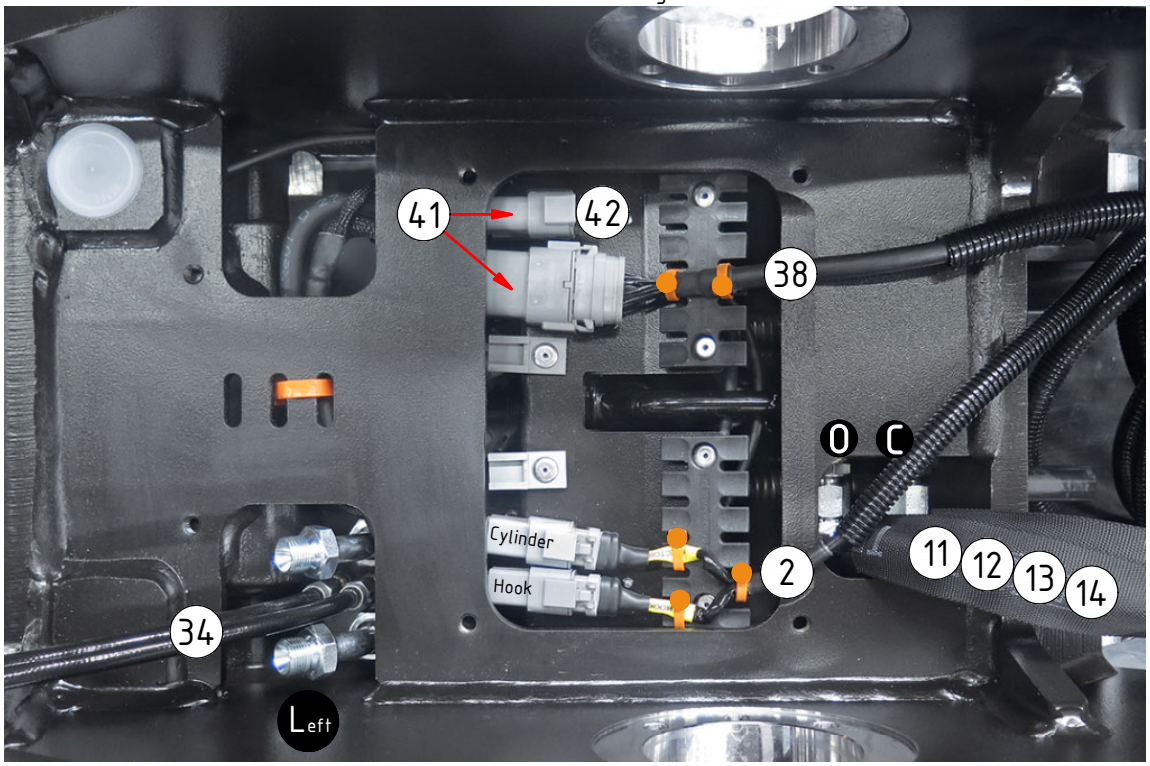
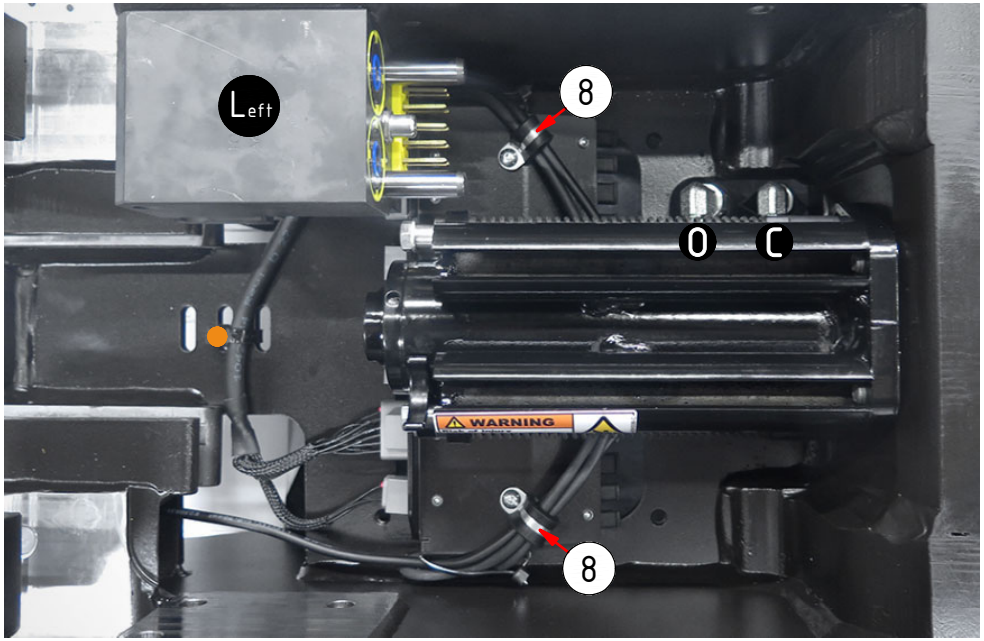
EC-Oil QS45

DC2 Std. config.



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
●	Use cable ties			

POS in order of assembly



Machine hitch - QS45/QS50

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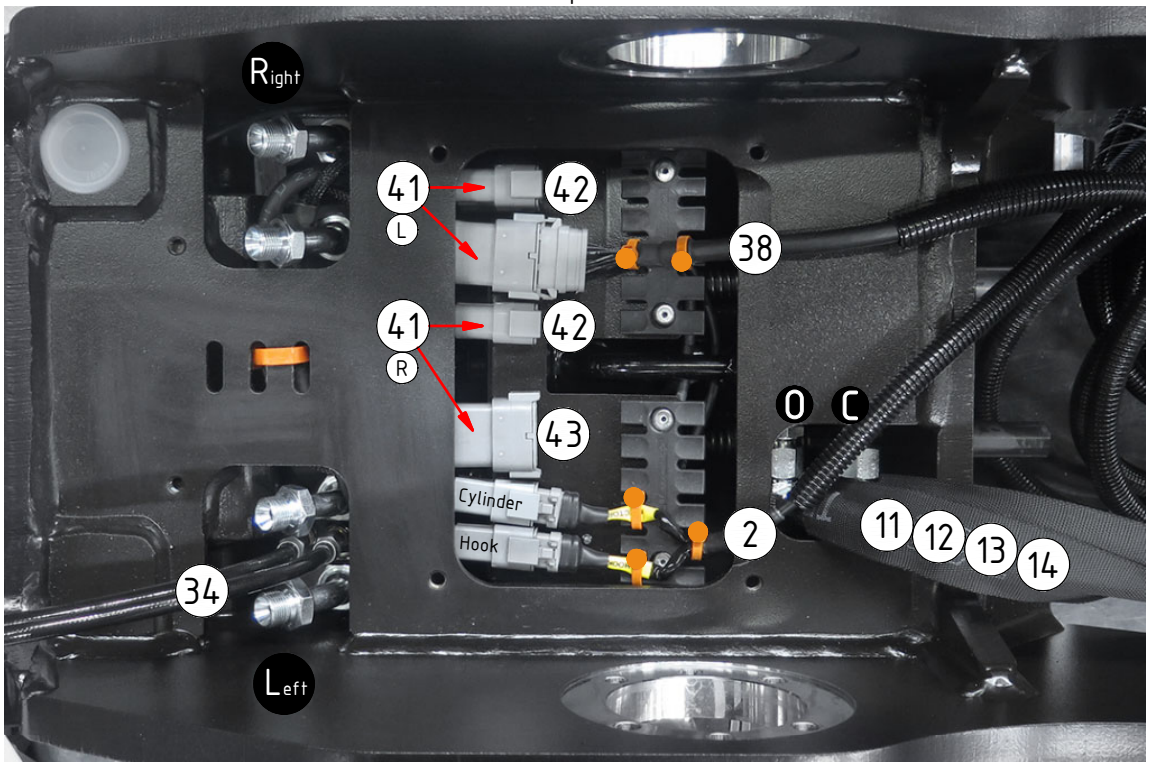
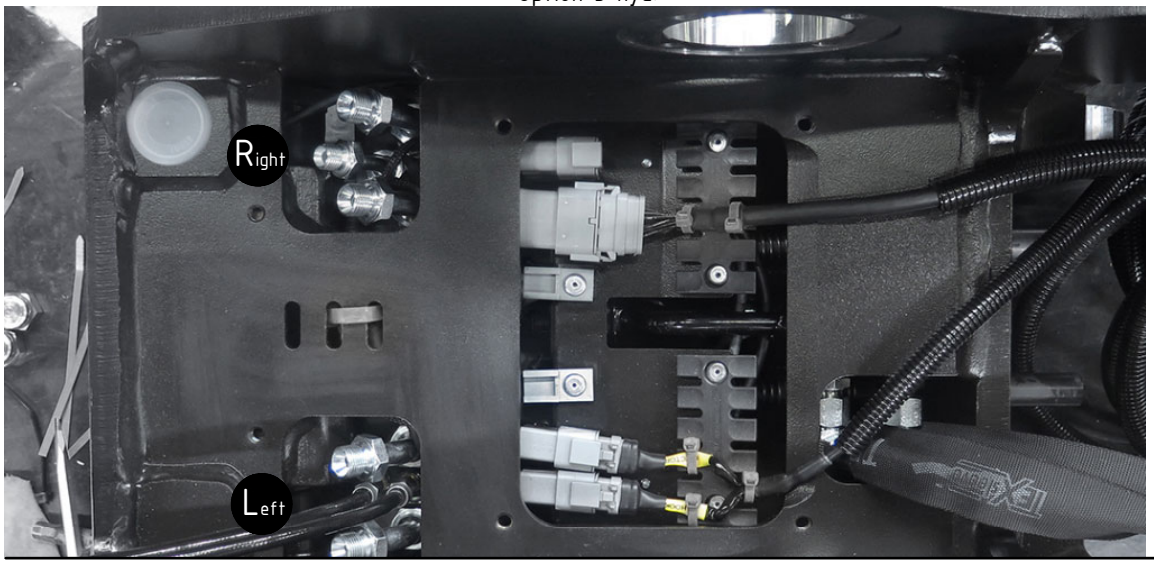
EC-Oil QS45

DC2 Option 2bl.

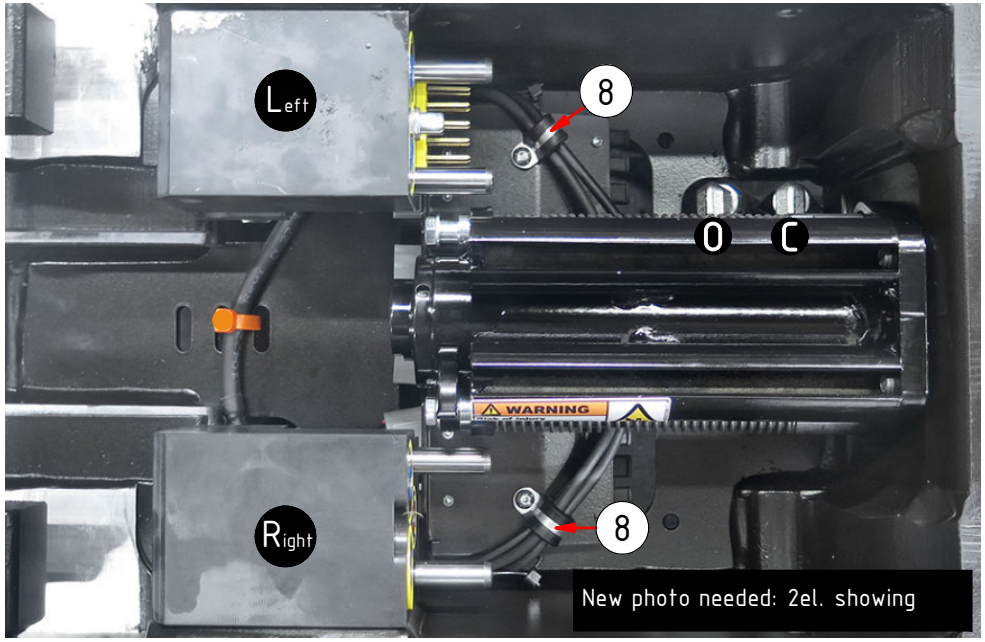


Option 5 hyd:



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
43	Plug for 12P	8002058	1	QTY depends on config.
●	Use cable ties			

POS in order of assembly

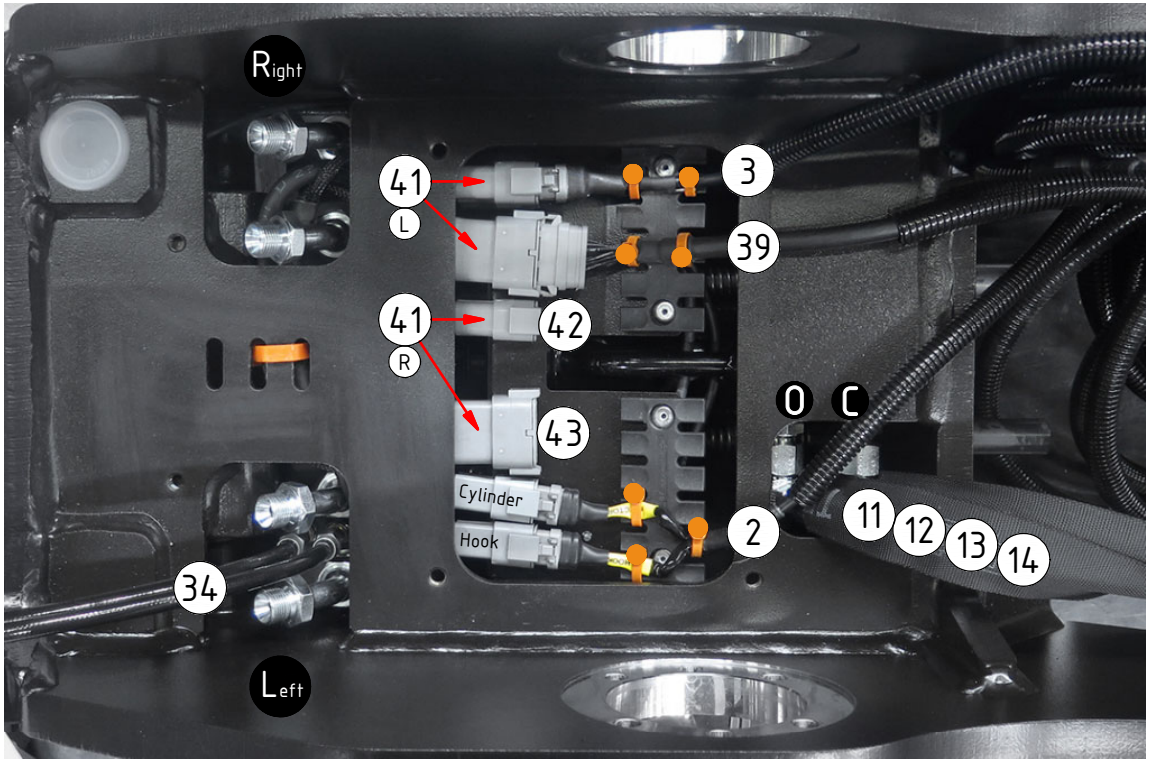


Machine hitch - QS45/QS50

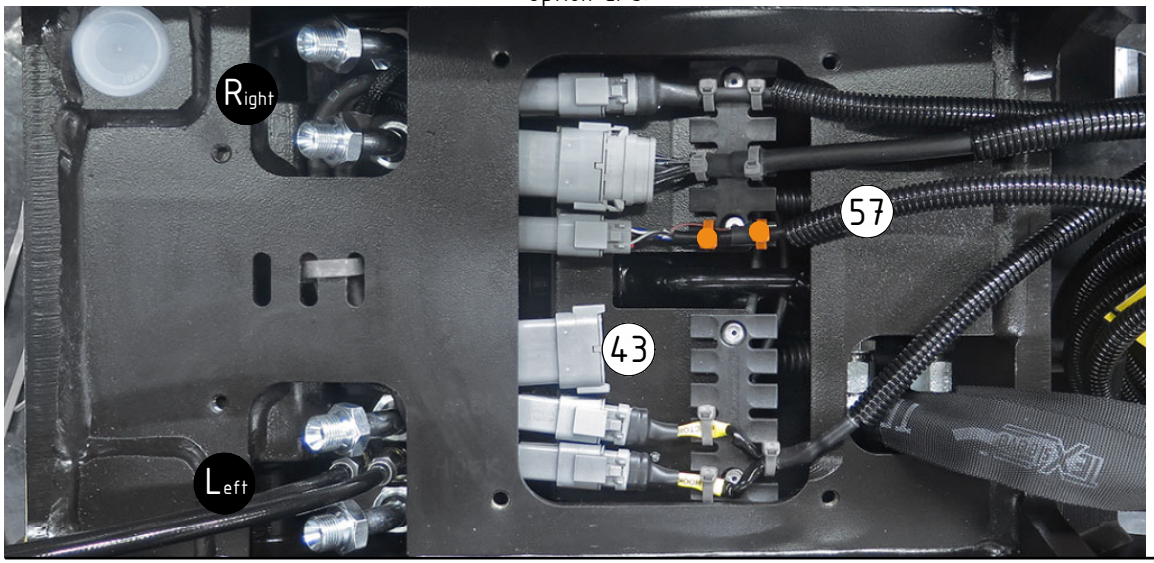
engcon®

EC-Oil QS45

ss9

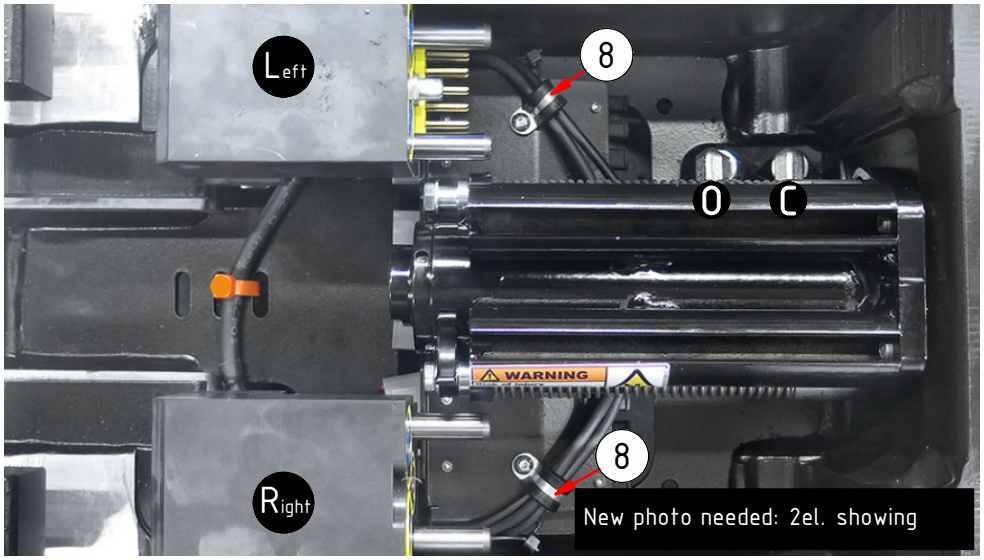


Option ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
39	Machinecable ECO W ss9-2 (1x 12P)	1036844	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
43	Plug for 12P	8002058	1	QTY depends on config.
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
●	Use cable ties			

POS in order of assembly



Machine hitch - QS45/QS50

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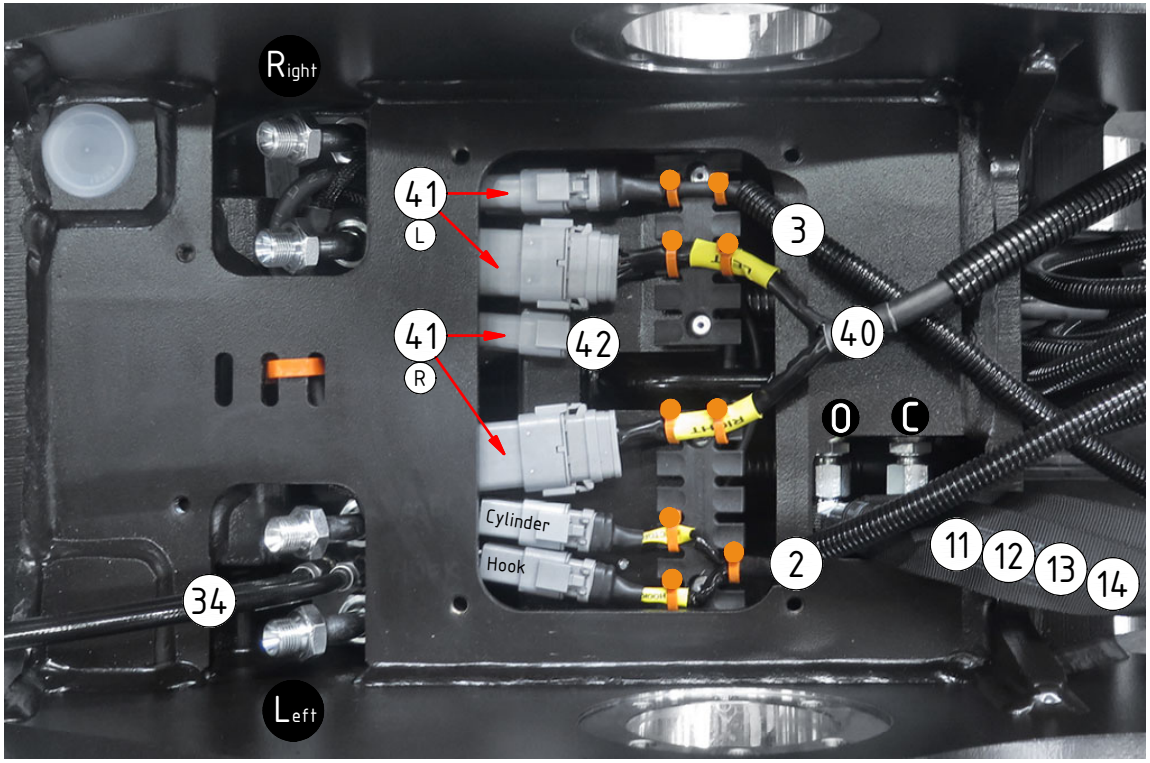
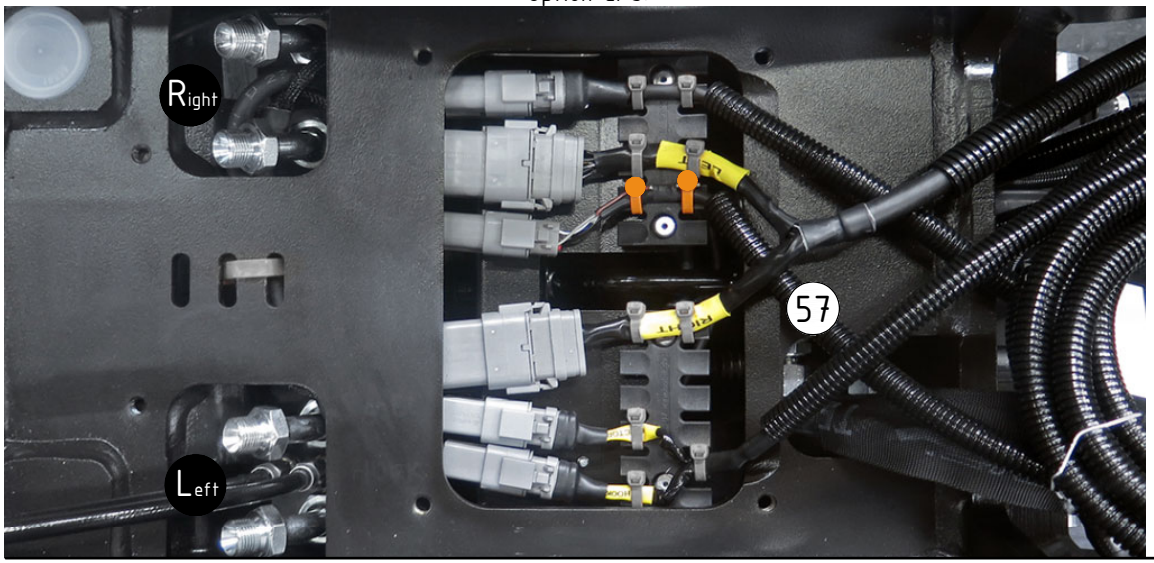
EC-Oil QS45

ss10 (SVAB)

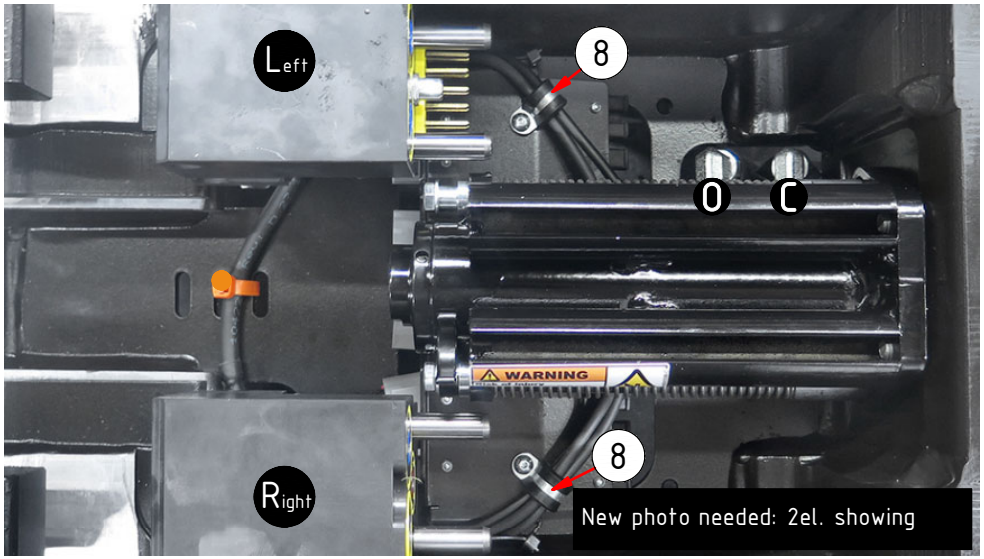


Option ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
40	Machinecable ECO W SVAB (2x 12P)	8002008	1	Attach to both 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
●	Use cable ties			

POS in order of assembly

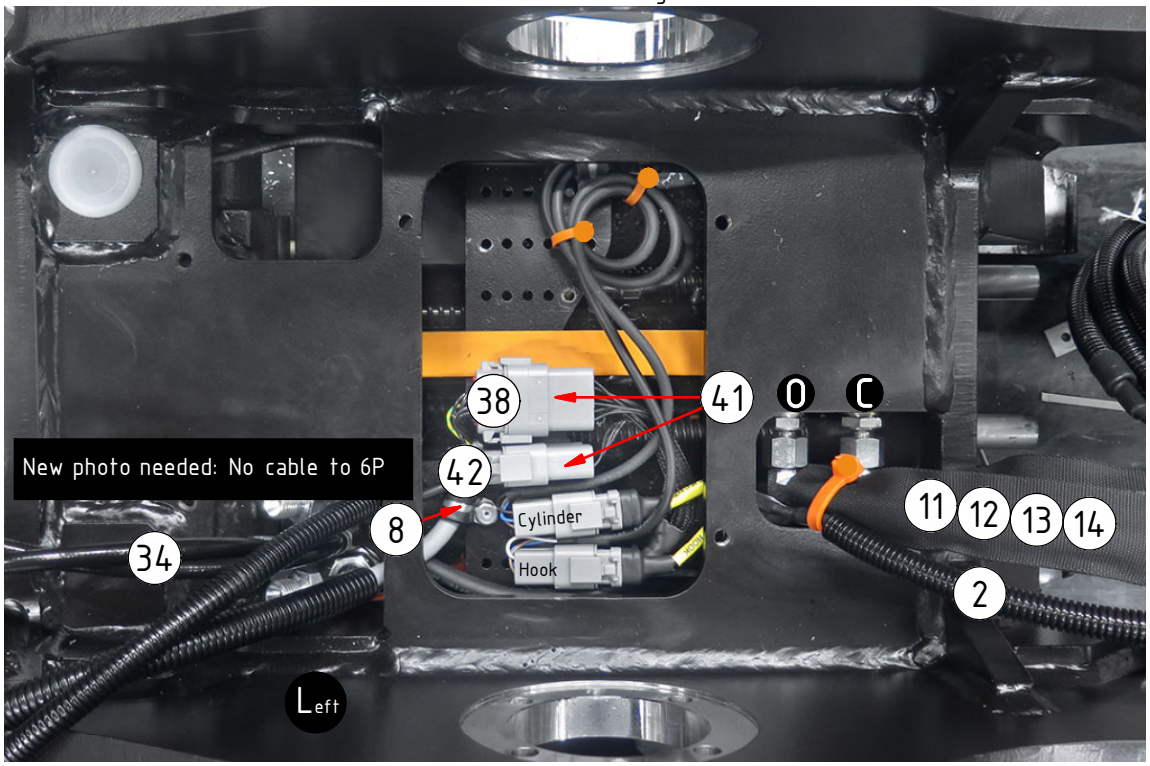


Machine hitch - QS45/QS50

engcon®

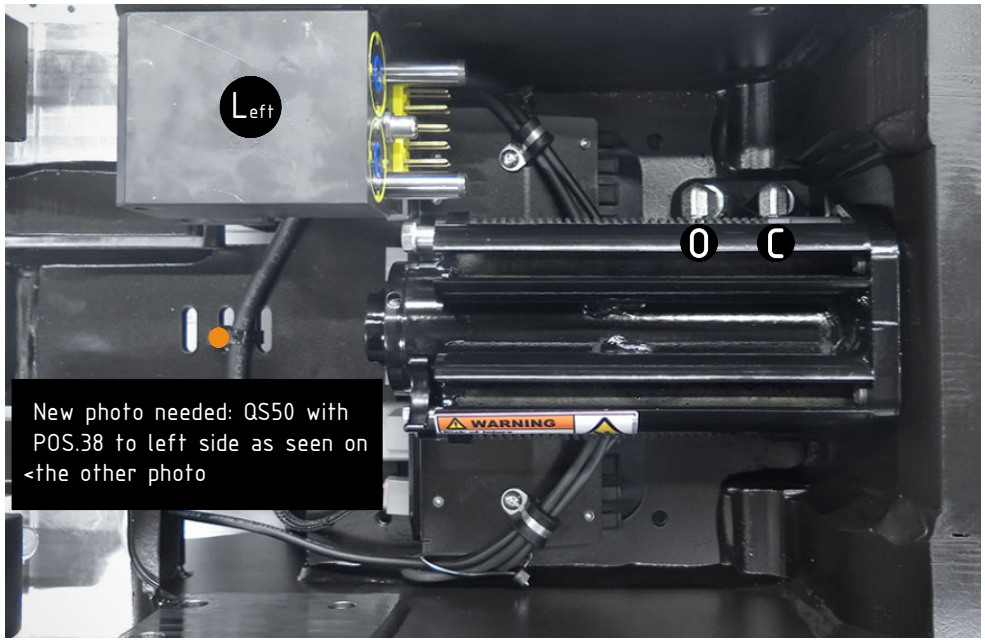
EC-Oil QS50

DC2 Std. config.



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
●	Use cable ties			

POS in order of assembly

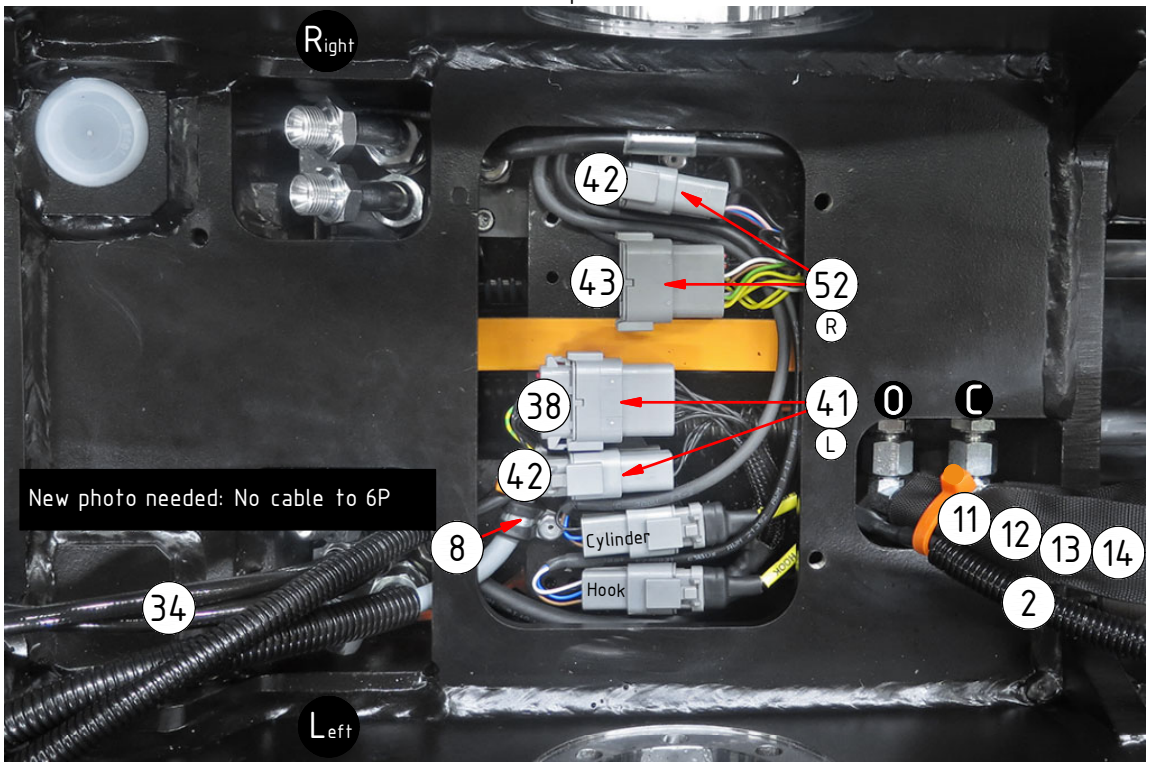


Machine hitch - QS45/QS50

engcon®

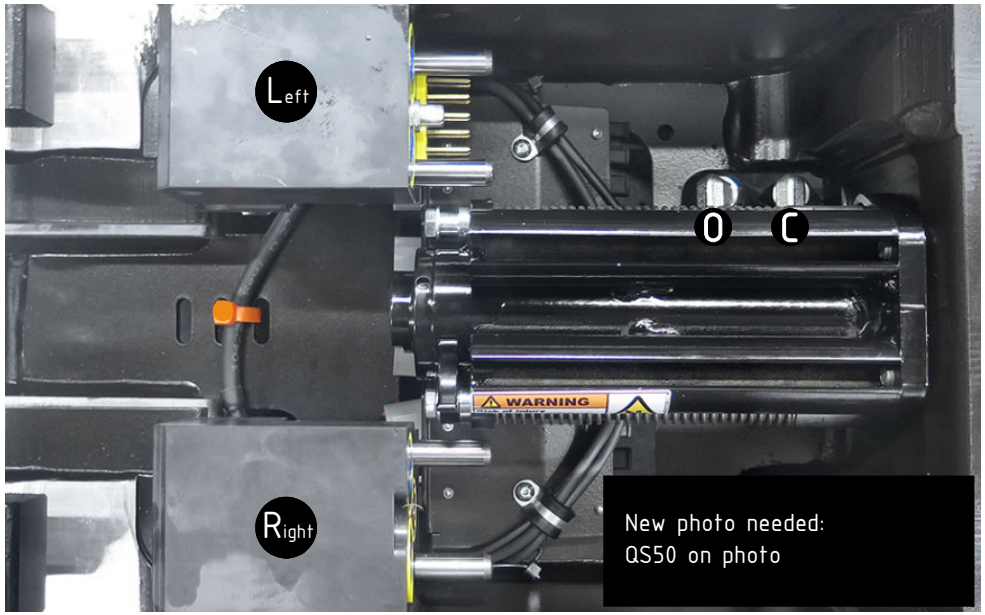
EC-Oil QS50

DC2 Option 2bl.



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
43	Plug for 12P	8002058	1	QTY depends on config.
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
●	Use cable ties			

POS in order of assembly

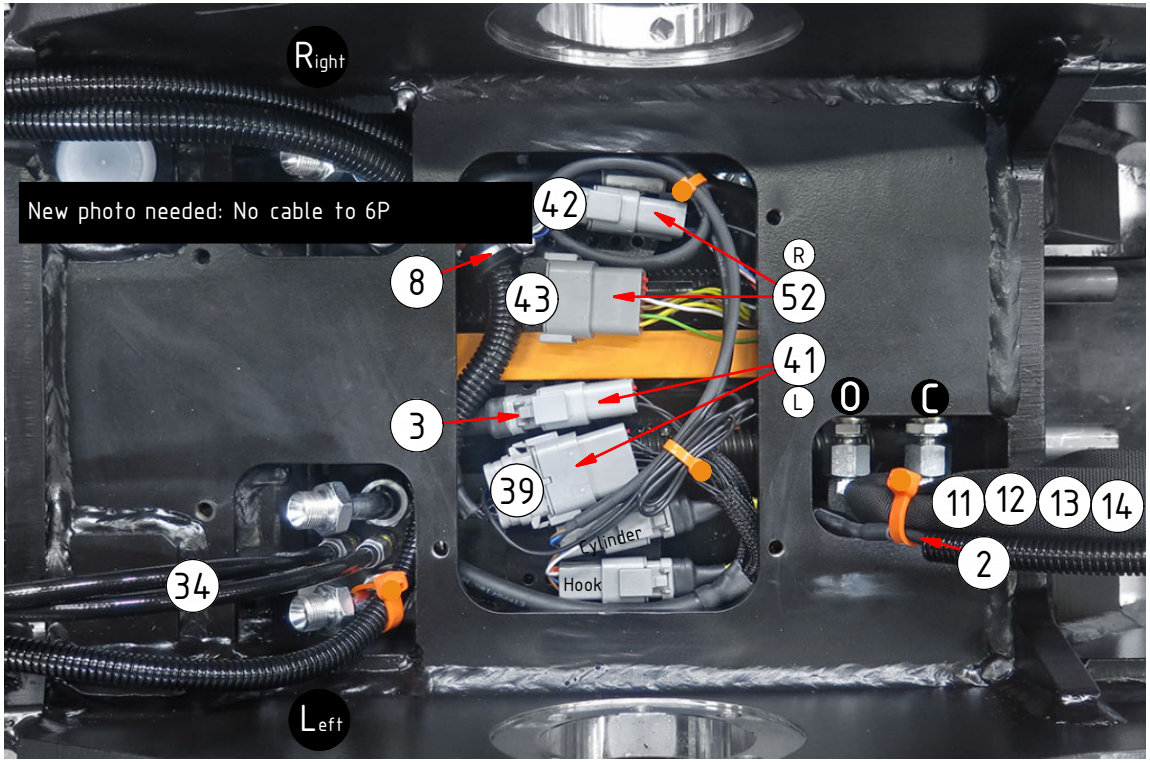


Machine hitch - QS45/QS50

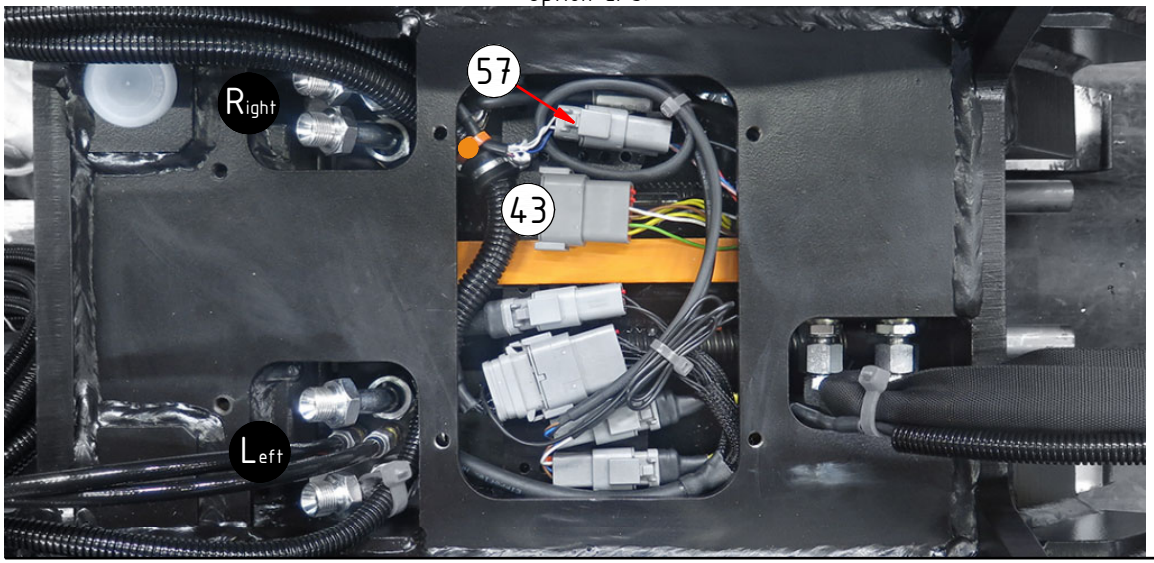
engcon®

EC-Oil QS50

ss9

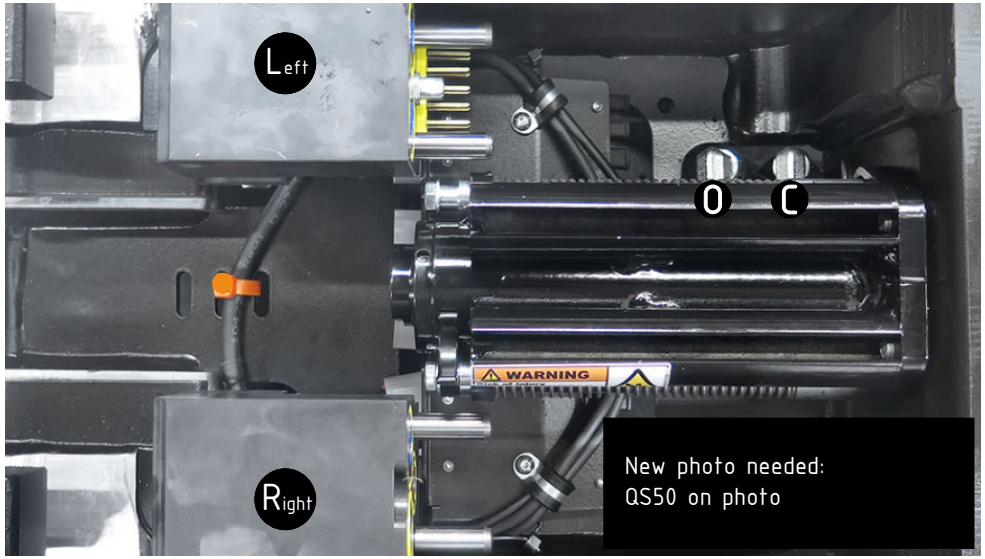


Option ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
39	Machinecable ECO W ss9-2 (1x 12P)	1036844	1	Attach to Left 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
43	Plug for 12P	8002058	1	QTY depends on config.
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
●	Use cable ties			

POS in order of assembly

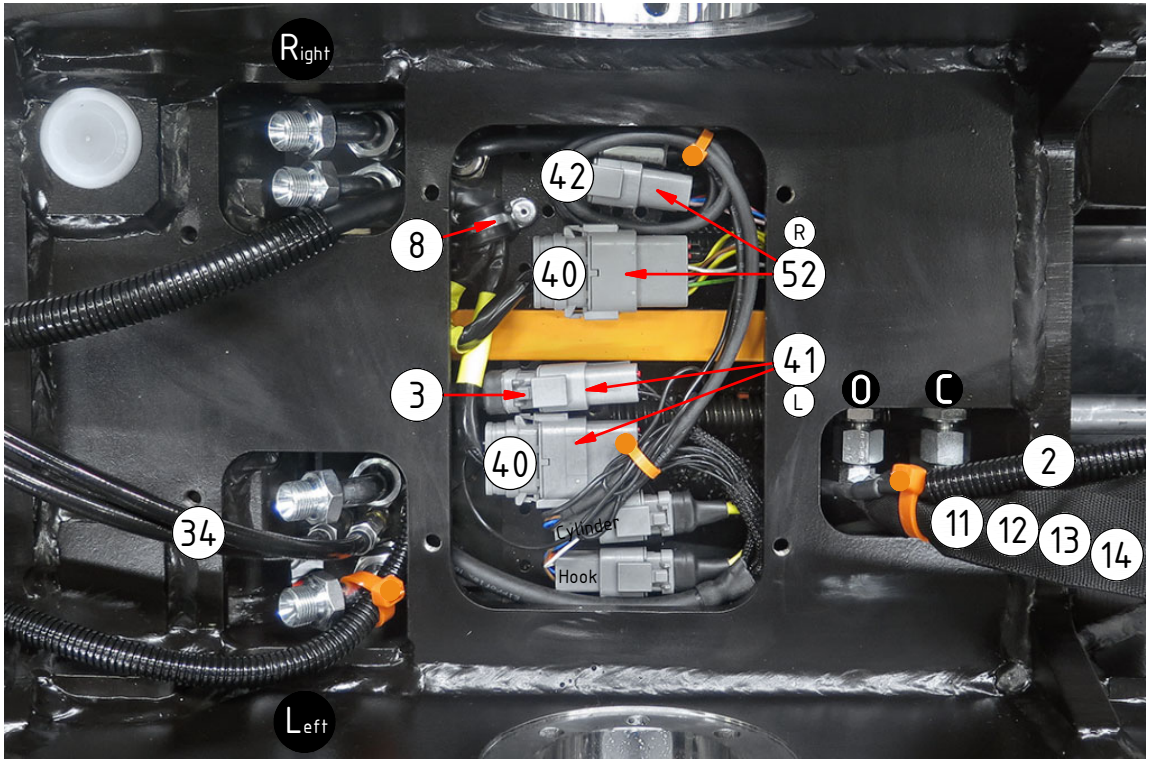


Machine hitch - QS45/QS50

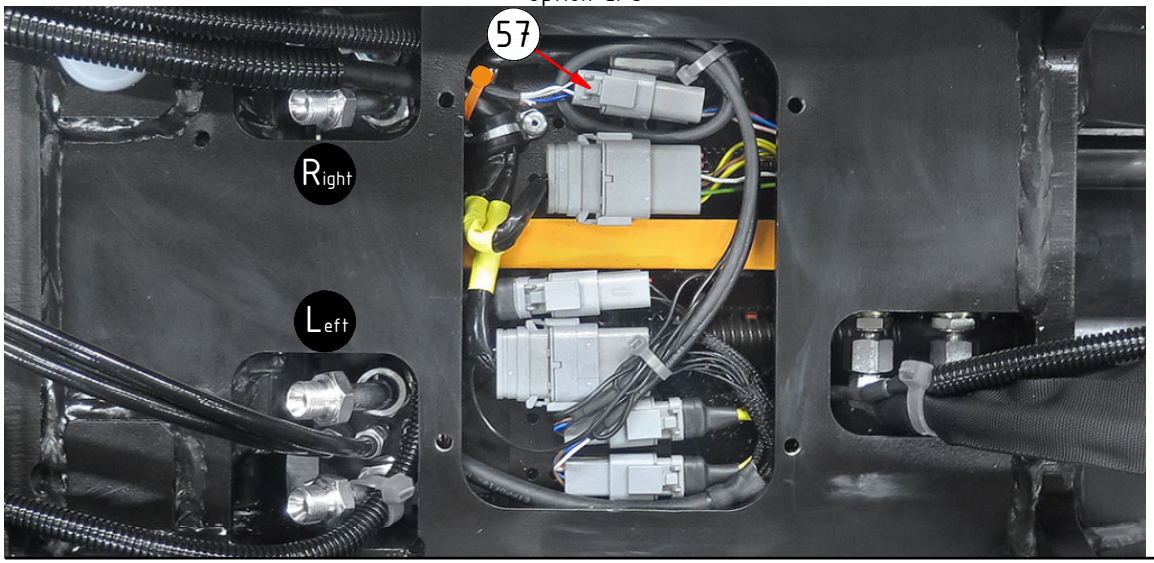
engcon®

EC-Oil QS50

ss10 (SVAB)

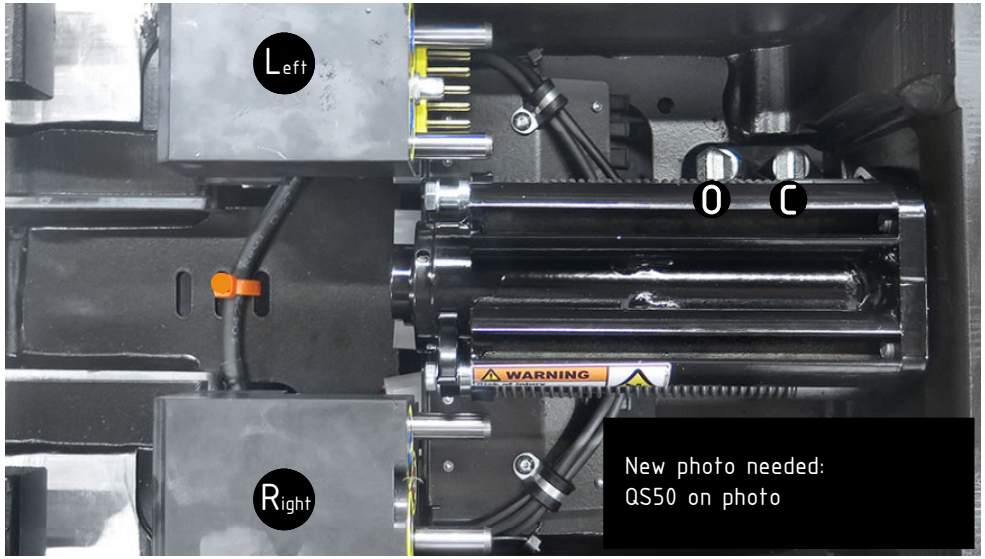


Option ePS:



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Cable QS - QLM - Quick hitch	842149	1	Attach to QS sensors
3	Cable QS - QLM - Tilt rotator	842148	1	Attach to Left 6P
8	Rubber steel clamp ø10	6000003	2	QTY: 3 for QS50 ECO
11	Hose Lock	741505	2	
12	Hose Lock - Liebherr	7000560	2	
13	Hose Lock - Lännen	7000561	2	
14	Hose Lock - Huddig	7001484	2	
34	Hose kit - lubricant ECO W	7000514	1	(POS.35-37 incl.)
40	Machinecable ECO W SVAB (2x 12P)	8002008	1	Attach to both 12P
41	Power plug ECO W Hitch (12P, 6P)	1042244	1	Cable gland torque: 6Nm
42	Plug for 6P	8000620	1	QTY depends on config.
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
57	Cable ePS ECO W ss9,ss10(SVAB)	1042246	1	Attach to Right 6P
●	Use cable ties			

POS in order of assembly



Machine hitch - QS45/QS50

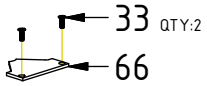
engcon®

SPARE PARTS

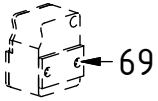
POS	DESCRIPTION	PART	QTY	COMMENTS
17	Coupling ECO W 3/8" V3	1053029	2	Torque: 60Nm. (POS.18 incl.)
18	Flat sealing for ECO W 3/8" V3	1052976	2	
20	Lubrication kit ECO W	1050794	1	(POS.21-27 incl.)
32	Coverplate block ECO45 W Hitch	1074695	1	
33	Screw MKFT 4x12	6000121	4	
38	Machine cable ECO45/50 W DC2	1048527	1	Attach to Left 12P
40	Machinecable ECO W SVAB (2x 12P)	8002008	1	Attach to both 12P
52	Power plug ECO50 W Hitch (QSM)	8002007	1	Cable gland torque: 6Nm
59	Cover QS45 V3	1053624	1	
60	Cover QS45/QS50	1025581	1	Only for QS50 from 2019-10
66	Coverplate w/o slot ECO45 W	1041098	1	Used for block w/o cable slot
67	Machinecable ECO W SVAB (2x 12P)	1029500	1	Replaced by POS.40 from 2023-06
68	Power plug ECO50 W Hitch (QS/QSD)	1045167	1	Replaced by POS.52 from 2023-06 Not compatible with QSM
69	Transport Protection ECO50 w/o el.	1049168	1	Part of make up
70	Pipe plug DIN 906 M16x1,5	711529	1	
71	Plug ECO W - Hitch	1041814	1	
72	Plug 70125-06 (3/8")	711504	2	
73	Protection plug ECO45/50 hydraulic	7000153	2	
74	O-ring 12,42x1,78 PU - ECO45 3/8"	712417	2	Used until 2020-03 Separate seal kit: 7000045
75	Cable ECO Tiltangle sensor DC2 ePS	8002477	1	Attach to 6P (DC2 ePS1) NB! Only compatible with 8002459
76	Cable ECO W Tiltanglesensor ss9-2	1047113	1	Attach to Right 12P
77	Cable ECO W Tiltanglesensor SVAB	1047111	1	L.Bl: WH>11. R.Bl: BR>1, BL>2, GR>11
78	Machine cable ECO45/50 W DC2 two connectors	1042247	1	Replaced by POS.38 from 2018-08 Attach to 6P and 12P
79	Machine cable ECO45/50 W MACS	1043276	1	Attach to 12P

POS in order of assembly

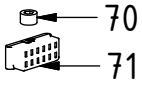
Until 2024-06:



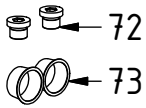
ECO50
w/o el.

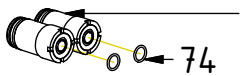


w/o el.



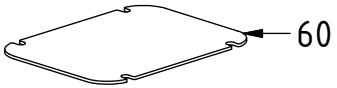
w/o hyd.

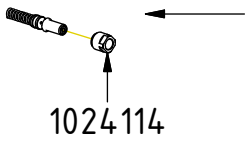




O-rings between versions are not compatible

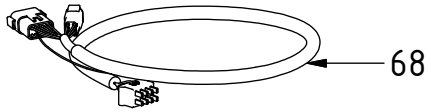
QS45: Replaced by POS.59 from 2019-10



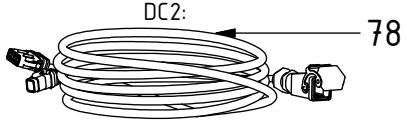


Replaced by POS.20 from 2019-01. On ECO blocks previous rev E: remove o-ring on nut

ECO50:

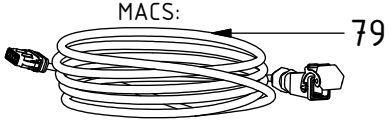


DC2:



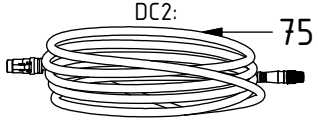
ss10 (SVAB):

MACS:



ePS1:

DC2:



ss9:

ss10 (SVAB):