EC214 ECHF - Std Top part components

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COVERSHEET

Planned document changes:

Breifly:

POS.7 divided to two parts: 1080804 with 1080805. (Fully backwards compatible).

EC214S: add tilt axle cover 1065799 with washers+screws 611040+6000157.
EC214/EC214PS: add protection plate 1064717 instead of 1065799.

Part no for EC214W Tilt cylinder: 1030380.

Add seal 1064201. Comment: Face groove toward top part

Document changes:

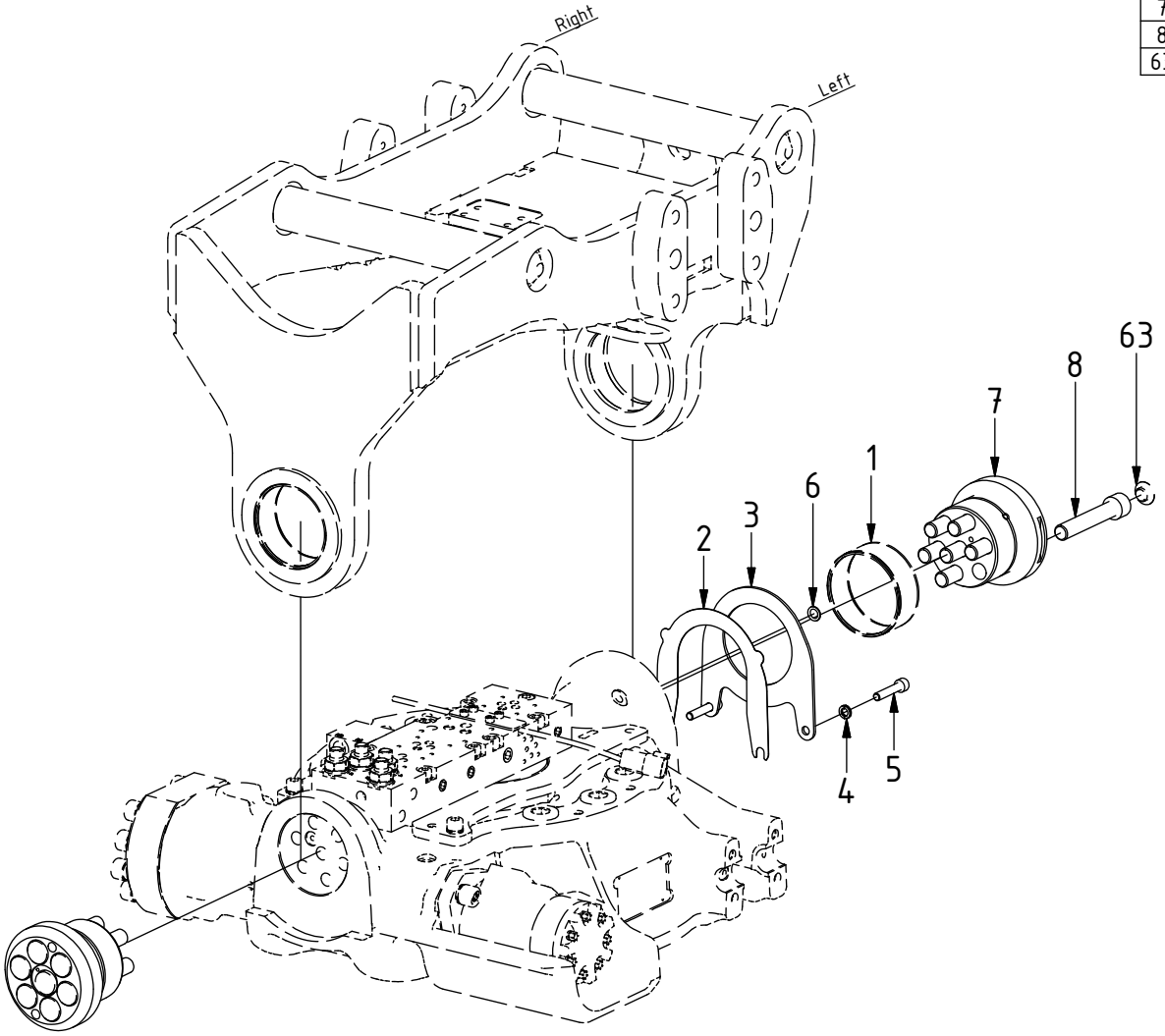
Date:	Change:	Rev. after change:
2022-06-03	Tilt axle updated.	G
2021-01-20	Screws updated to ZFSHL.	F
2020-01-08	Lännen config. updated with ss9IQST.	E
2019-06-20	Lännen config. updated with ss9SQSG.	D
2019-02-22	Lännen config. updated with ss5. Reference to FEED 1/2" added.	C
2019-01-14	Reference to Top part Hydrema, Huddig & Lännen added.	B
2018-12-19	Spare parts page added.	A
2018-10-23	New instruction.	-

EC214 ECHF - Std Top part components

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POS in order of assembly

POS	DESCRIPTION	PART	QTY	COMMENTS
1	Bushing 85/90x35	630321	2	(Included in Top part)
2	Shims tilt axle	1016420	4	Use if required
3	Axial washer tilt	1016417	1	
4	Washer NL 8mm	611040	10	
5	MC6S M8x40 12.9 ZFSHL	6000145	2	
6	O-ring 9,92x2,62	710968	4	QTY: 8 for option Wide
7	Tilt axle EC214, EC219	1064196	2	
8	MC6S M16x90 12.9 ZFSHL	6000151	22	Torque: 333Nm. QTY: 24-26 for Wide
63	Screw Cover M16	1004801	14	Part of make up



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

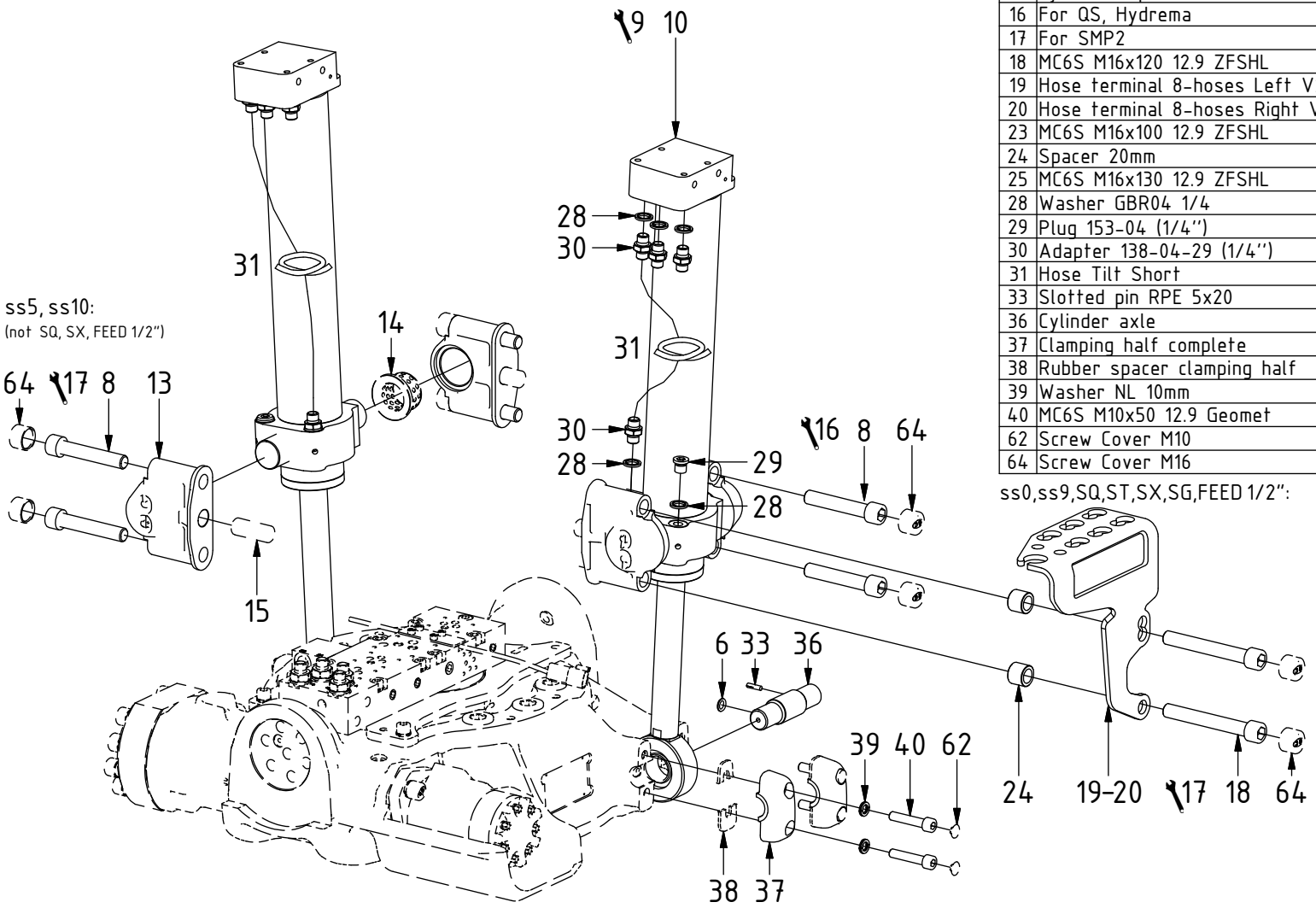
EC214 ECHF - Std Top part components

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POS in order of assembly

POS	DESCRIPTION	PART	QTY	COMMENTS
6	O-ring 9,92x2,62	710968	4	QTY: 8 for option Wide
8	MC6S M16x90 12.9 ZFSHL	6000151	22	Torque: 333Nm. QTY: 24-26 for Wide
9	For EC214R: UNI			See separate instruction
10	Tilt cylinder EC214	1041414	2	See "Tilt cylinders"
12	Shim Yoke bracket	1007041	4	For option Shimmed Tilt cylinder
13	Yoke bracket	1023212	4	(POS.14-15 included)
14	Bushing 35/45/55/5x30	631003	4	
15	Cylindrical pin CPK ø20x50	650211	4	
16	For QS, Hydrema			See separate instruction
17	For SMP2			See separate instruction
18	MC6S M16x120 12.9 ZFSHL	6000162	4	Torque: 333Nm
19	Hose terminal 8-hoses Left V2	1047137	1	
20	Hose terminal 8-hoses Right V2	1047138	1	
23	MC6S M16x100 12.9 ZFSHL	6000156	4	Torque: 333Nm
24	Spacer 20mm	1023777	4	
25	MC6S M16x130 12.9 ZFSHL	6000154	4	Torque: 333Nm
28	Washer GBR04 1/4	710702	10	
29	Plug 153-04 (1/4")	711505	6	
30	Adapter 138-04-29 (1/4")	710135	8	
31	Hose Tilt Short	743002	2	
33	Slotted pin RPE 5x20	640413	2	QTY: 4 for option Wide
36	Cylinder axle	1016458	2	
37	Clamping half complete	1022942	4	(POS.38 included)
38	Rubber spacer clamping half	1016465	4	
39	Washer NL 10mm	611041	8	
40	MC6S M10x50 12.9 Geomet	611515	8	Torque: 79Nm
62	Screw Cover M10	1021468	8	Part of make up
64	Screw Cover M16	611302	8	Part of make up

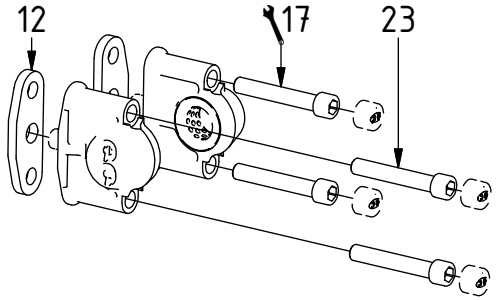
Standard



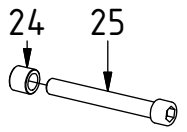
ss5, ss10:
(not SQ, SX, FEED 1/2")

ss0,ss9,SQ,ST,SX,SG,FEED 1/2":

Shimmed Tilt cylinder:



Used with terminal:



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

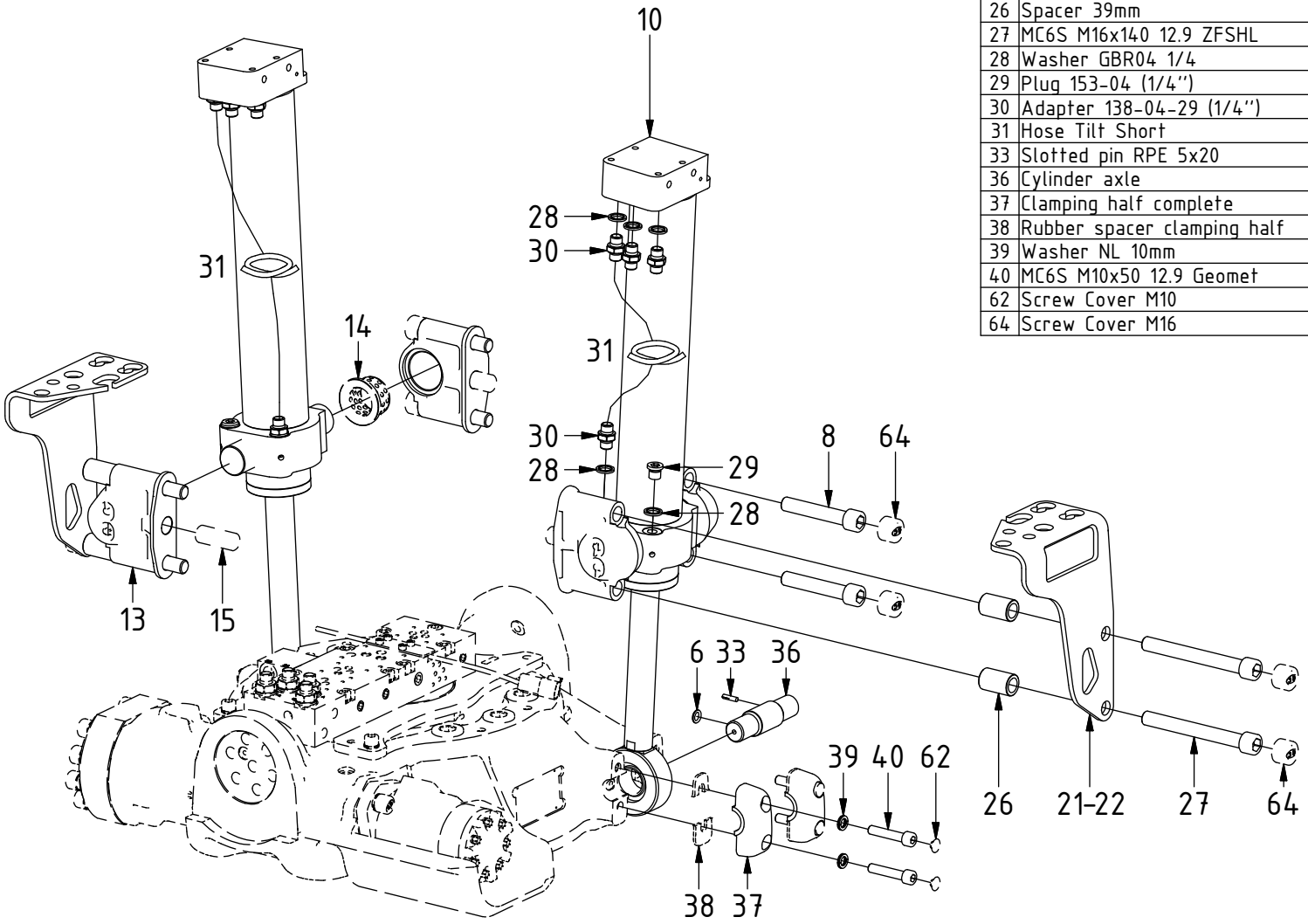
EC214 ECHF - Std Top part components

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POS in order of assembly

POS	DESCRIPTION	PART	QTY	COMMENTS
6	O-ring 9,92x2,62	710968	4	QTY: 8 for option Wide
8	MC6S M16x90 12.9 ZFSHL	6000151	22	Torque: 333Nm. QTY: 24-26 for Wide
10	Tilt cylinder EC214	1041414	2	See "Tilt cylinders"
13	Yoke bracket	1023212	4	(POS.14-15 included)
14	Bushing 35/45/55/5x30	631003	4	
15	Cylindrical pin CPK ø20x50	650211	4	
21	Terminal Lännen left	1045618	1	
22	Terminal Lännen right	1045619	1	
26	Spacer 39mm	1005911	8	
27	MC6S M16x140 12.9 ZFSHL	6000152	8	Torque: 333Nm
28	Washer GBR04 1/4	710702	10	
29	Plug 153-04 (1/4")	711505	6	
30	Adapter 138-04-29 (1/4")	710135	8	
31	Hose Tilt Short	743002	2	
33	Slotted pin RPE 5x20	640413	2	QTY: 4 for option Wide
36	Cylinder axle	1016458	2	
37	Clamping half complete	1022942	4	(POS.38 included)
38	Rubber spacer clamping half	1016465	4	
39	Washer NL 10mm	611041	8	
40	MC6S M10x50 12.9 Geomet	611515	8	Torque: 79Nm
62	Screw Cover M10	1021468	8	Part of make up
64	Screw Cover M16	611302	8	Part of make up

Lännen config.



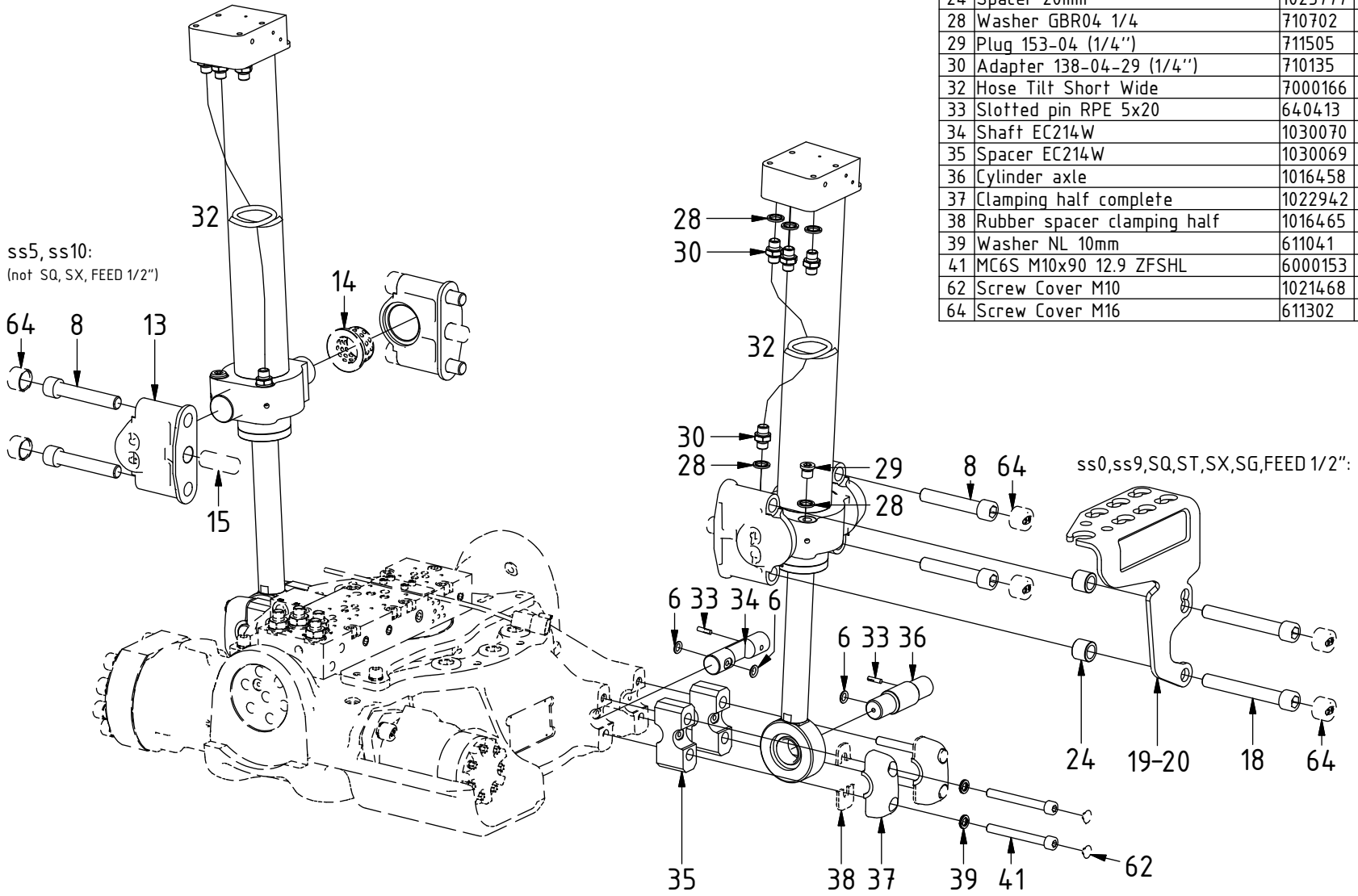
EC214 ECHF - Std Top part components

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POS in order of assembly

POS	DESCRIPTION	PART	QTY	COMMENTS
6	O-ring 9,92x2,62	710968	4	QTY: 8 for option Wide
8	MC6S M16x90 12.9 ZFSHL	6000151	22	Torque: 333Nm. QTY: 24-26 for Wide
13	Yoke bracket	1023212	4	(POS.14-15 included)
14	Bushing 35/45/55/5x30	631003	4	
15	Cylindrical pin CPK ø20x50	650211	4	
18	MC6S M16x120 12.9 ZFSHL	6000162	4	Torque: 333Nm
19	Hose terminal 8-hoses Left V2	1047137	1	
20	Hose terminal 8-hoses Right V2	1047138	1	
24	Spacer 20mm	1023777	4	
28	Washer GBR04 1/4	710702	10	
29	Plug 153-04 (1/4'')	711505	6	
30	Adapter 138-04-29 (1/4'')	710135	8	
32	Hose Tilt Short Wide	7000166	2	
33	Slotted pin RPE 5x20	640413	2	QTY: 4 for option Wide
34	Shaft EC214W	1030070	2	
35	Spacer EC214W	1030069	4	
36	Cylinder axle	1016458	2	
37	Clamping half complete	1022942	4	(POS.38 included)
38	Rubber spacer clamping half	1016465	4	
39	Washer NL 10mm	611041	8	
41	MC6S M10x90 12.9 ZFSHL	6000153	8	Torque: 79Nm
62	Screw Cover M10	1021468	8	Part of make up
64	Screw Cover M16	611302	8	Part of make up

Wide



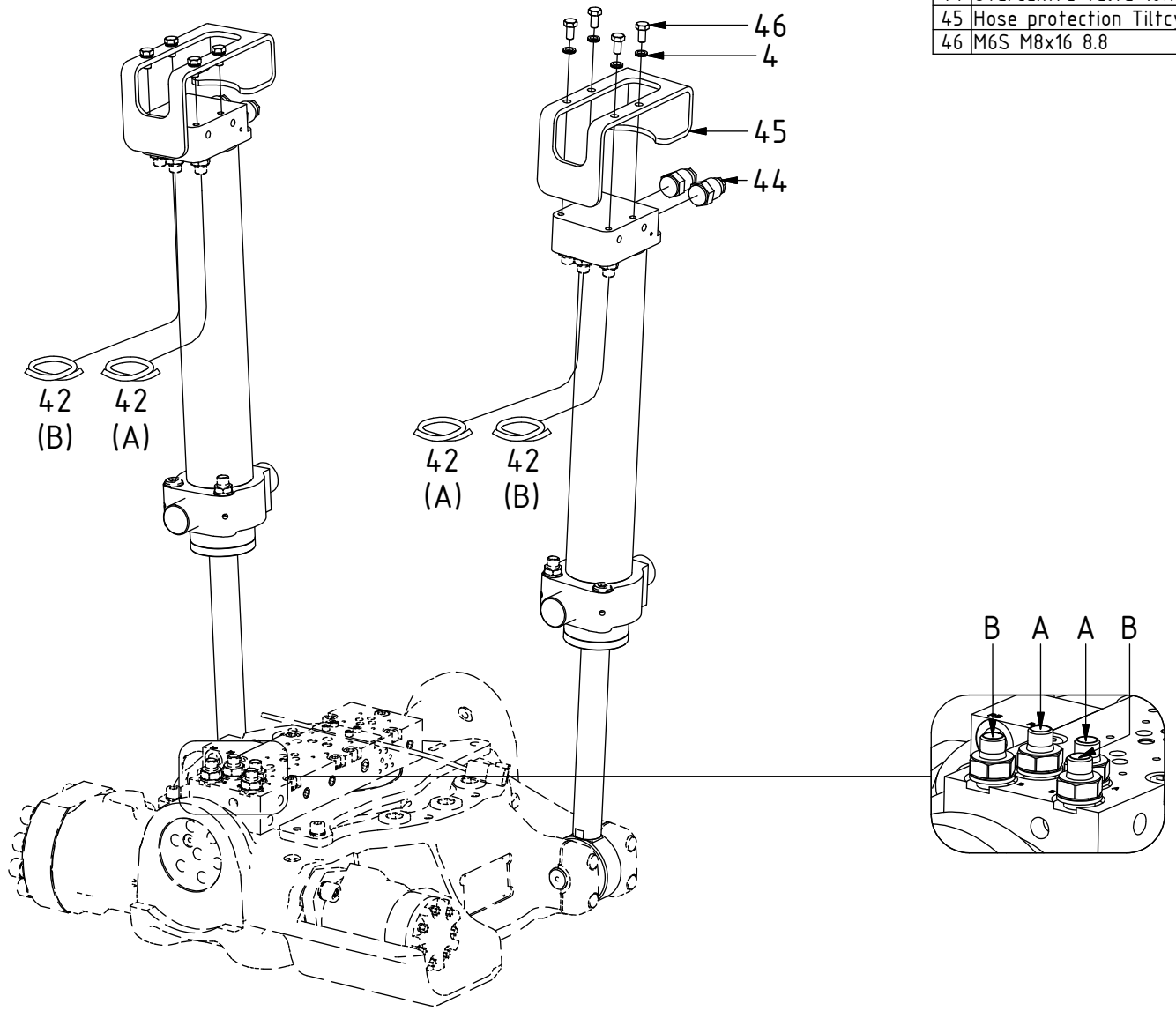
Dashed lines for overview, mounts on other pages/assemblies. indicates instruction. represents hose.

EC214 ECHF - Std Top part components

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TILT

Standard, Lännen config.



POS	DESCRIPTION	PART	QTY	COMMENTS
4	Washer NL 8mm	611040	10	
40	MC6S M10x50 12.9 Geomet	611515	8	Torque: 79Nm
41	MC6S M10x90 12.9 ZFSHL	6000153	8	Torque: 79Nm
42	Hose Tilt Long	743001	4	
44	Overcentre valve 10:1	730269	4	Torque: 45Nm
45	Hose protection Tiltcyl.	1003774	2	
46	M6S M8x16 8.8	610122	8	

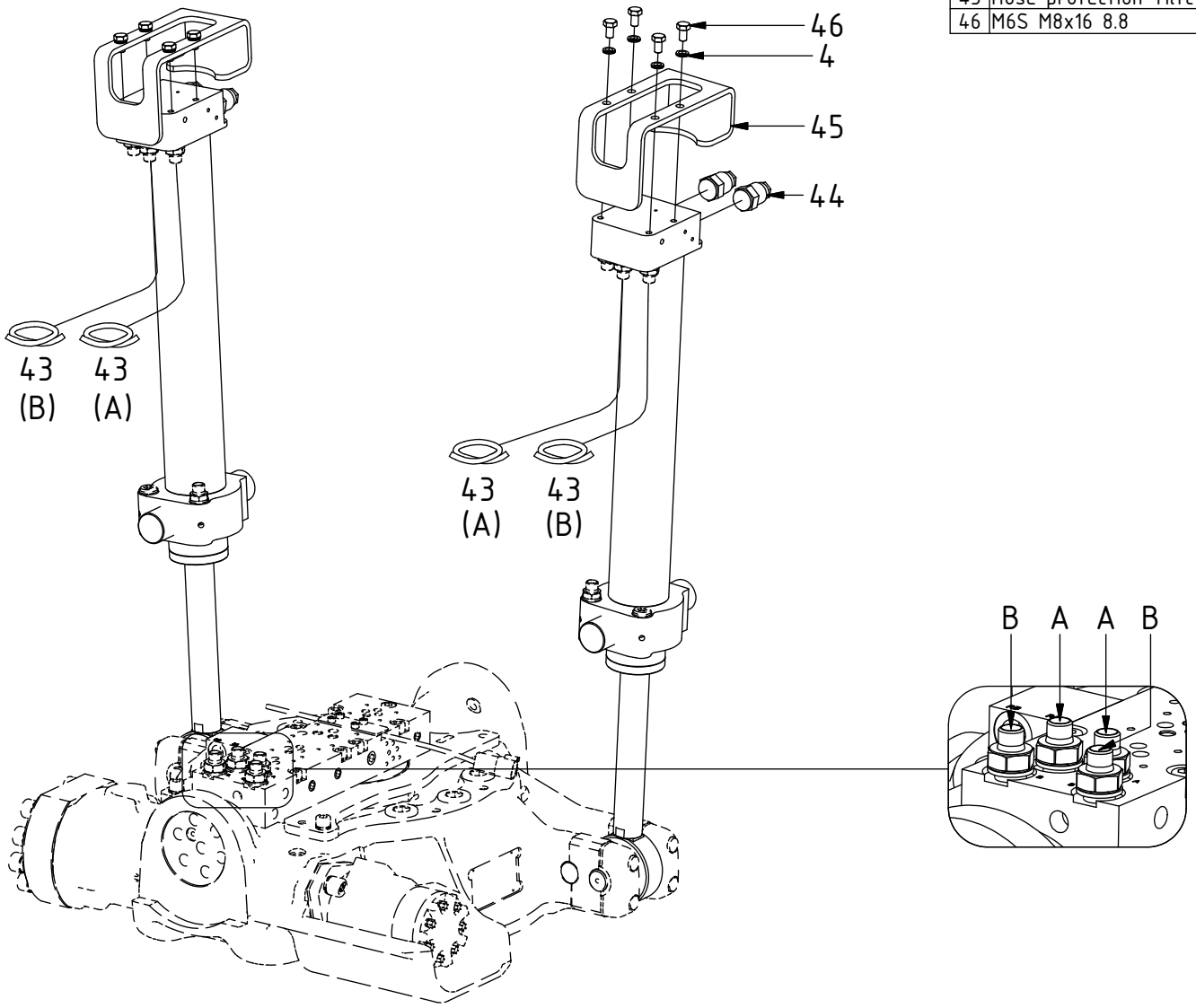
POS in order of assembly

EC214 ECHF - Std Top part components

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TILT

Wide



POS	DESCRIPTION	PART	QTY	COMMENTS
4	Washer NL 8mm	611040	10	
40	MC6S M10x50 12.9 Geomet	611515	8	Torque: 79Nm
41	MC6S M10x90 12.9 ZFSHL	6000153	8	Torque: 79Nm
43	Hose Tilt Long Wide	7000167	4	
44	Overcentre valve 10:1	730269	4	Torque: 45Nm
45	Hose protection Tiltcyl.	1003774	2	
46	M6S M8x16 8.8	610122	8	

POS in order of assembly

EC214 ECHF - Std Top part components

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Ⓡ = 54
Ⓛ = 58
Ⓣ = 54
Ⓔ = 50
Ⓖ = 54

FEED

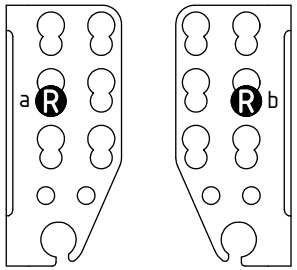
3/4" (Std)

POS	DESCRIPTION	PART	QTY	COMMENTS
47	For Lännen config.			See p.9 for instruction
48	For Hydrema, Huddig, Lännen			See "Top part"
49	For FEED 1/2"			See "Top part"
50	Use washer, adapter, nut: POS.51, 52, 53			QTY depends on config. (2-4)
51	Washer NL 20mm	611098	2	
52	Adapter 1260-08-08 (1/2")	710244	2	
53	Check nut 1270-08 (1/2")	710254	2	
54	Use washer, adapter, nut: POS.55, 56, 57			QTY depends on config. (2-6)
55	Washer NL 16mm	611044	2	
56	Adapter 1260-06-32 (3/8")	710242	2	
57	Check nut 1270-06 (3/8")	710252	2	
58	Use washer, adapter, nut: POS.59, 60, 61			
59	Washer NL 1/2"	611096	2	
60	Adapter 1260-04-04 (1/4")	710240	2	
61	Check nut 1270-04 (1/4")	710250	2	
	Attach feed hoses from control system			(a & b represents channels on feed block)

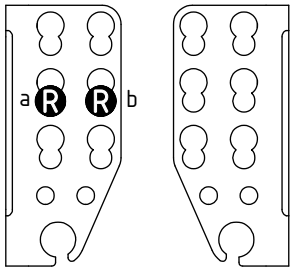
POS in order of assembly

Rotation

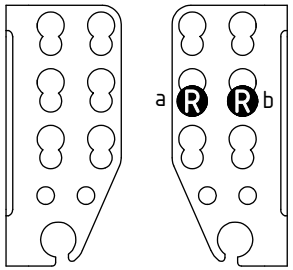
Standard



Rot. Right

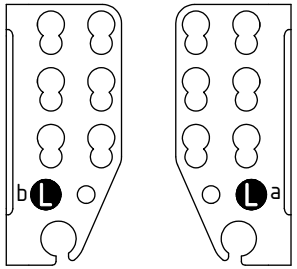


Rot. Left

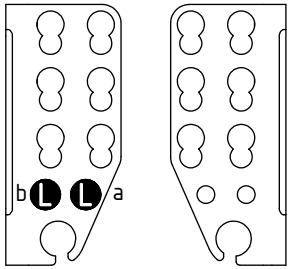


Lock (SQ)

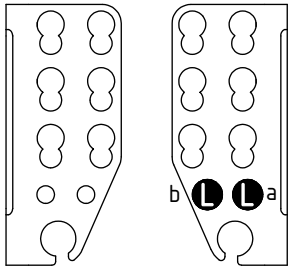
Standard



Lock Right

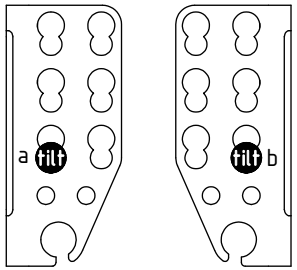


Lock Left

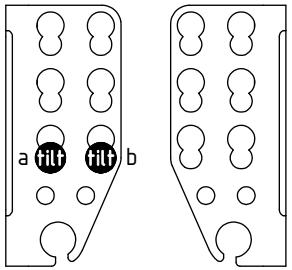


Tilt (ST)

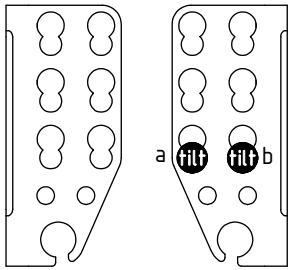
Standard



Tilt Right

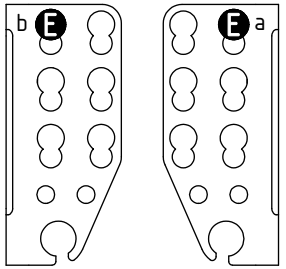


Tilt Left

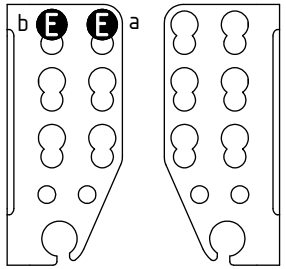


Extra (SX)

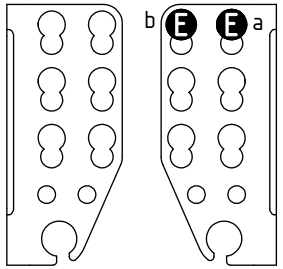
Standard



Extra Right

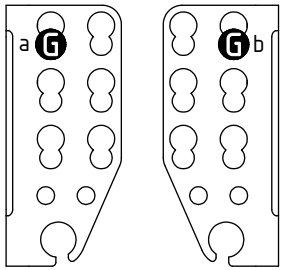


Extra Left

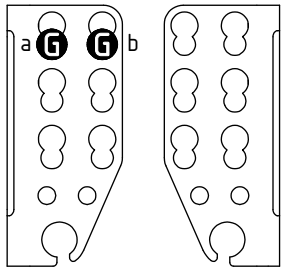


Grab (SG)

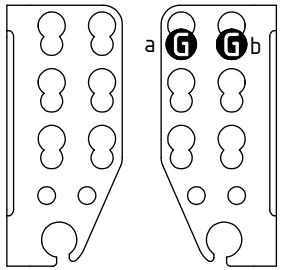
Standard



Grab Right



Grab Left



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

Photos on page 12.

EC214 ECHF - Std Top part components

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P = 50
T = 50
R = 54
L = 58
E = 50
tilt = 54
G = 54

FEED

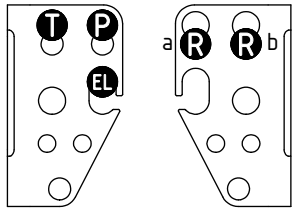
Lännen config.

(NOT compatible with ss10)

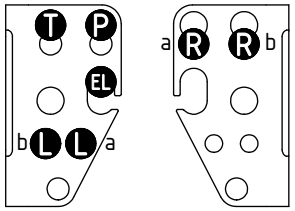
POS	DESCRIPTION	PART	QTY	COMMENTS
50	Use washer, adapter, nut: POS.51, 52, 53			QTY depends on config. (2-4)
51	Washer NL 20mm	611098	2	
52	Adapter 1260-08-08 (1/2")	710244	2	
53	Check nut 1270-08 (1/2")	710254	2	
54	Use washer, adapter, nut: POS.55, 56, 57			QTY depends on config. (2-6)
55	Washer NL 16mm	611044	2	
56	Adapter 1260-06-32 (3/8")	710242	2	
57	Check nut 1270-06 (3/8")	710252	2	
58	Use washer, adapter, nut: POS.59, 60, 61			
59	Washer NL 1/2"	611096	2	
60	Adapter 1260-04-04 (1/4")	710240	2	
61	Check nut 1270-04 (1/4")	710250	2	
	Attach feed hoses from control system			(a & b represents channels on feed block)

POS in order of assembly

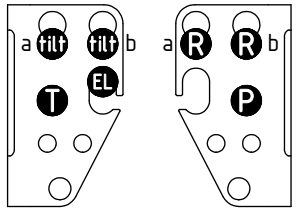
ss9IQ



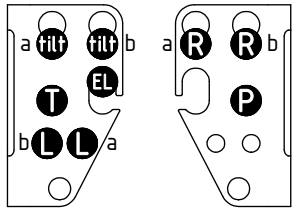
ss9SQ



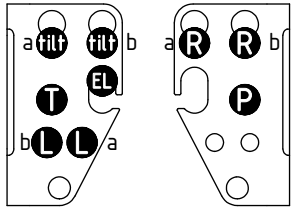
ss9IQST



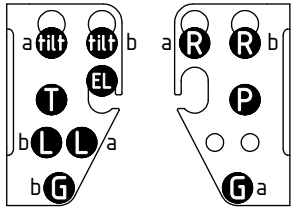
ss9SQST



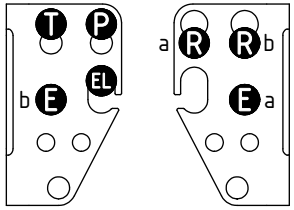
ss0



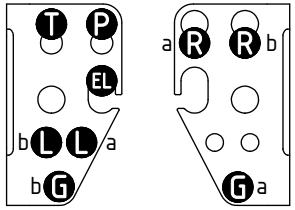
ss0 Grab



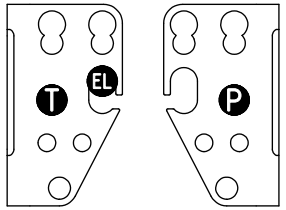
ss9IQSX



ss9SQSG



ss5

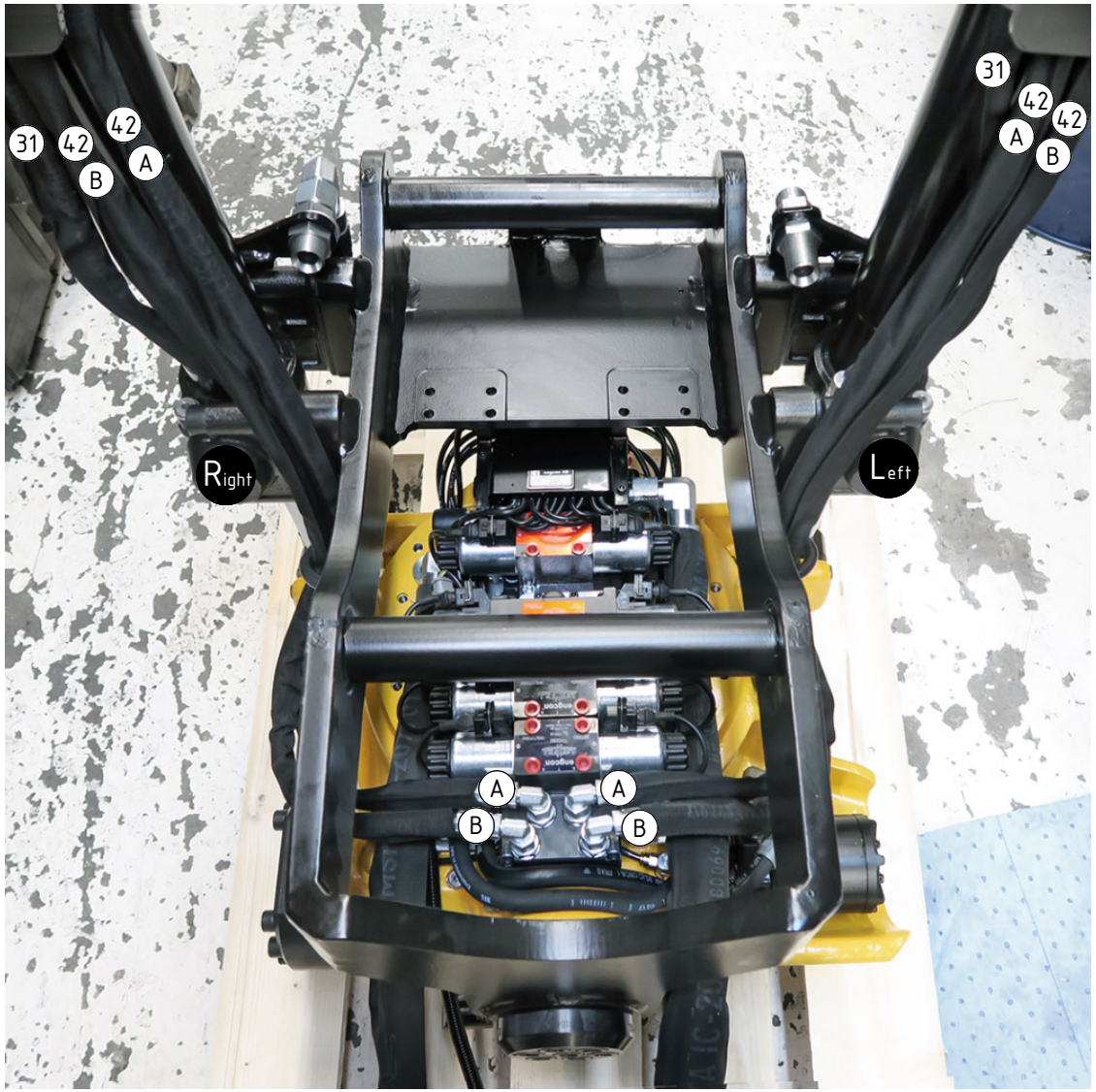


EC214 ECHF - Std Top part components

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TILT

Standard, Lännen config.



POS	DESCRIPTION	PART	QTY	COMMENTS
31	Hose Tilt Short	743002	2	
42	Hose Tilt Long	743001	4	

POS in order of assembly

EC214 ECHF - Std Top part components

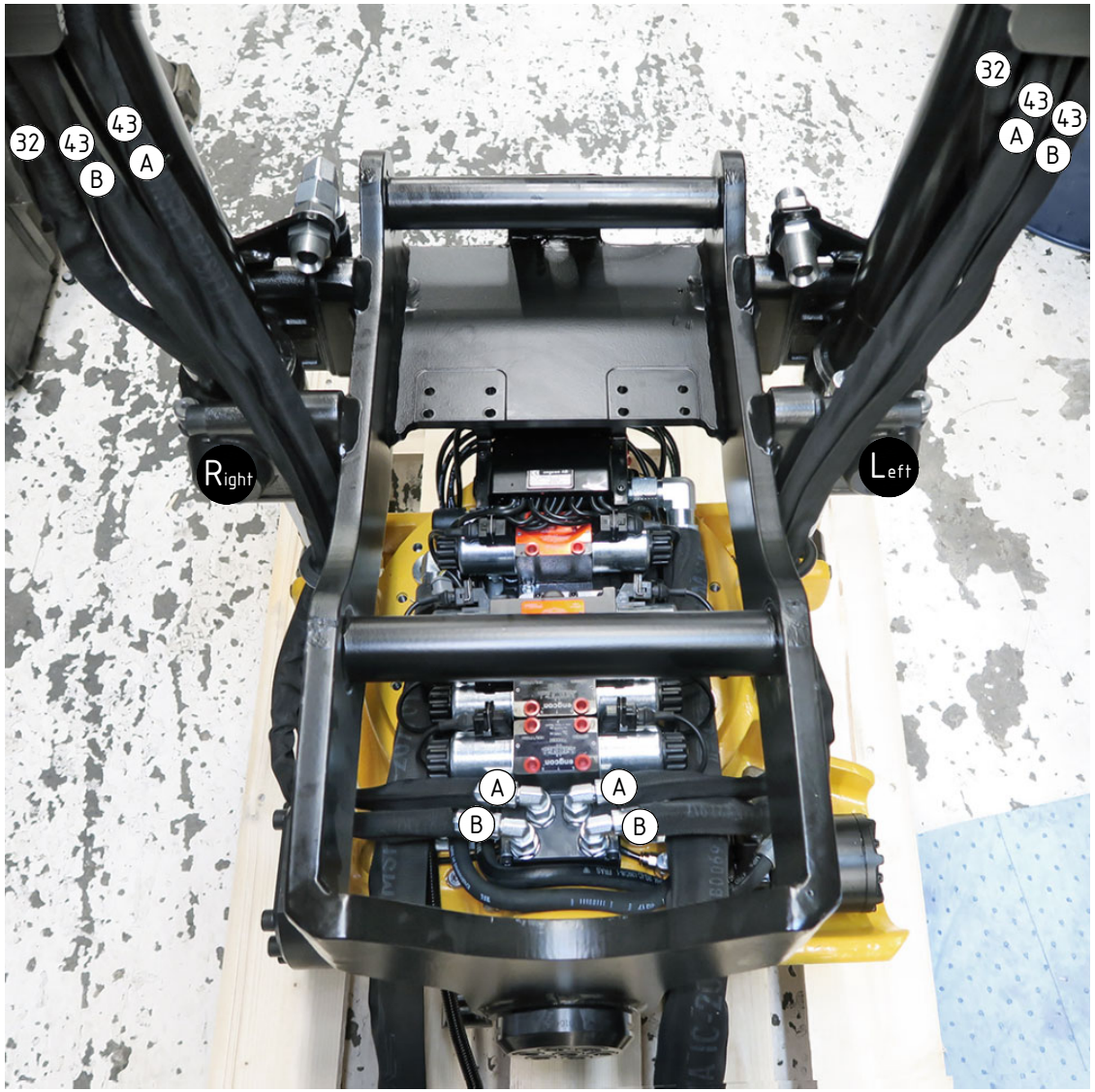
engcon®

TILT

Wide

POS	DESCRIPTION	PART	QTY	COMMENTS
32	Hose Tilt Short Wide	7000166	2	
43	Hose Tilt Long Wide	7000167	4	

POS in order of assembly



EC214 ECHF - Std Top part components

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POS	DESCRIPTION	PART	QTY	COMMENTS
48	For Hydrema, Huddig, Lännen			See "Top part"
49	For FEED 1/2"			See "Top part"
	Attach feed hoses from control system			(a & b represents channels on feed block)

POS in order of assembly

FEED

3/4" (Std)

Photo needed: Hoses against terminal

Feed Left:

Photo needed: Hoses against terminal

Feed Right:

Photo needed: Hoses against terminal

EC214 ECHF - Std Top part components

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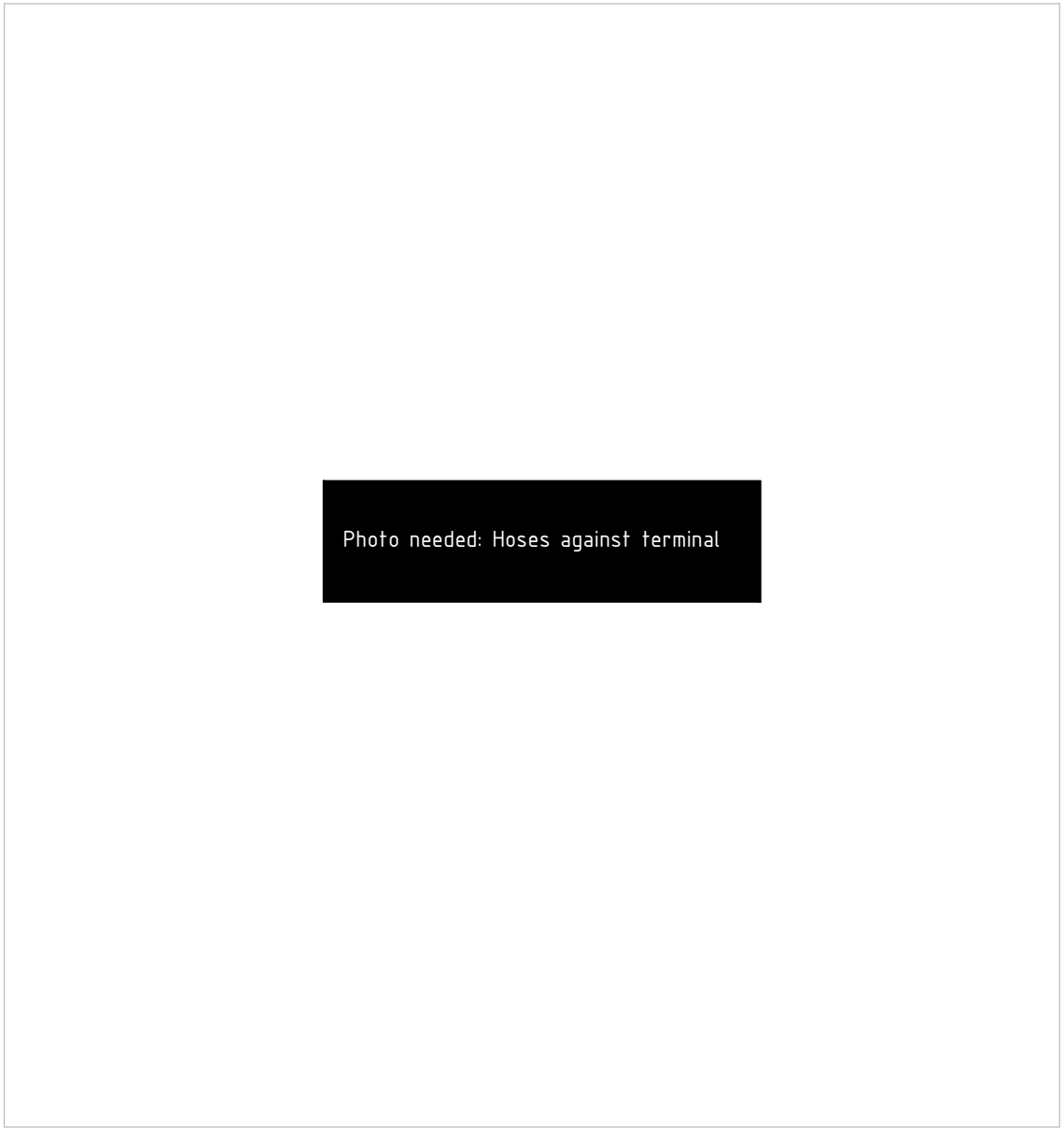
FEED

Lännen config.

(NOT compatible with ss10)

POS	DESCRIPTION	PART	QTY	COMMENTS
	Attach feed hoses from control system			(a & b represents channels on feed block)

POS in order of assembly

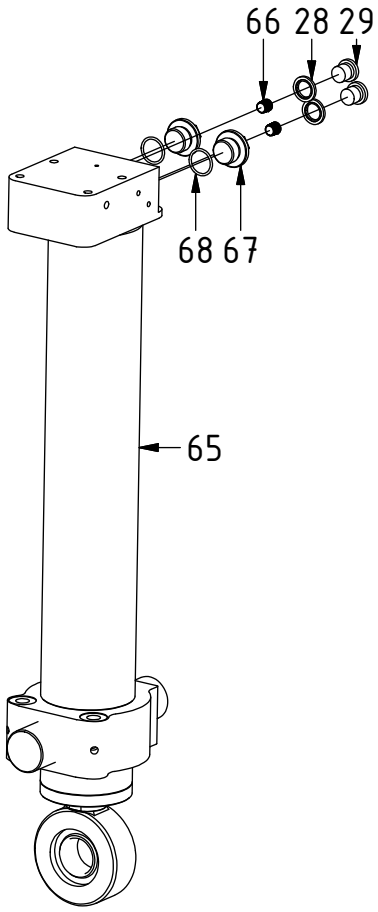


EC214 ECHF - Std Top part components

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Related spare parts

Used until 2017-05



POS	DESCRIPTION	PART	QTY	COMMENTS
10	Tilt cylinder EC214	1041414	2	See "Tilt cylinders"
28	Washer GBR04 1/4	710702	10	
29	Plug 153-04 (1/4'')	711505	6	
65	Tilt cylinder EC214	1024186	2	Replaced by POS.10 from 2017-05
66	Plug 1/8" BSPT	711523	4	Only for ss0, ss3 R-X, ss5, ss10
67	Plug M20x1,5	1022297	4	Only for ss0, ss3 R-X, ss5, ss10 (POS.68 included)
68	O-ring 18x2	710955	4	

POS in order of assembly