

EC233 - QS70 GR20 ECHF

COVERSHEET

Planned document changes:

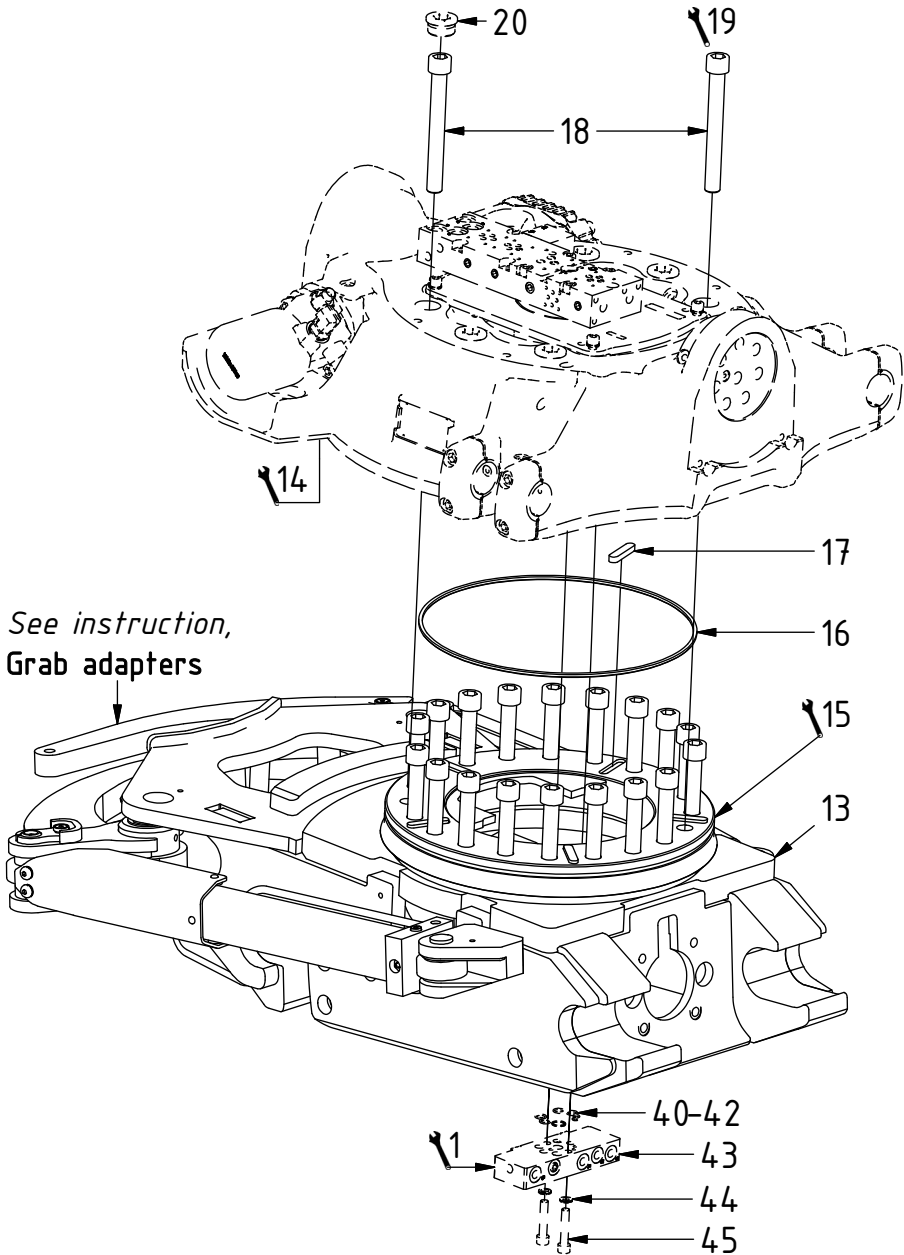
Breifly:

No planned changes.

Document changes:

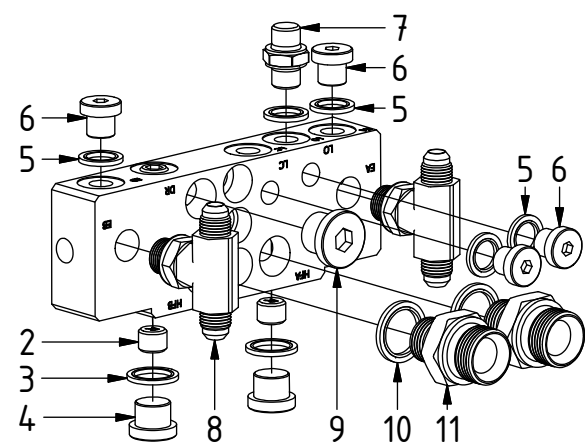
Date:	Change:	Rev. after change:
2023-08-21	New plug with washer for connection block.	F
2019-10-29	EC-Oil washers added against connection block.	E
2019-09-02	Grab hose Short replaced. Spare parts updated.	D
2018-07-17	EC-Oil adapters and hoses replaced.	C
2018-04-18	Grab cylinder adapters updated.	B
2018-02-05	EC-Oil added.	A
2017-09-28	New instruction.	-

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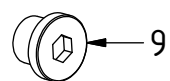


POS	DESCRIPTION	PART	QTY	COMMENTS
1	See p.3 connection block config.			
13	Quick hitch QS70 GR20 ECHF EC233 Complete	1039869	1	Grab adapter included
14	Assemble break support			See separate instruction
15	Grease the ring			
16	O-ring	710924	1	
17	Feather Key	650103	5	
18	Screw MC6S 20x170	6000101	20	Torque: 649Nm
19	Torque tighten rotator frame to hitch. Rotate to access all holes			
20	Pipe plug M36	650408	6	Part of rotator frame assembly
40	O-ring 6,07x1,78	712422	2	Part of rotator frame assembly
41	O-ring 12,42x1,78	710973	4	Part of rotator frame assembly
42	O-ring 15,6x1,78	710912	1	Part of rotator frame assembly
43	Connection block ECHF	1028391	1	Part of rotator frame assembly
44	Washer NL10	611041	6	Part of rotator frame assembly
45	Screw MC6S 10x50	610457	2	Part of rotator frame assembly

Standard:



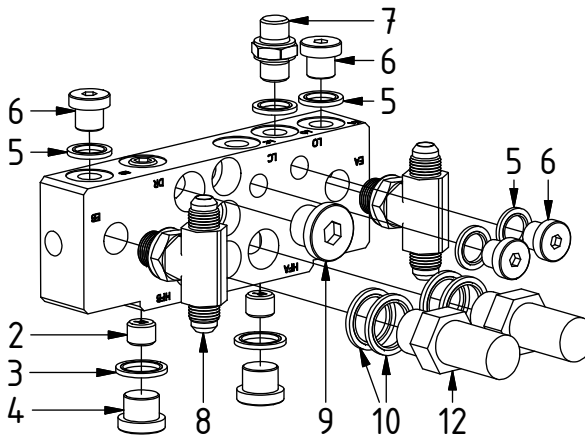
Without Extra:



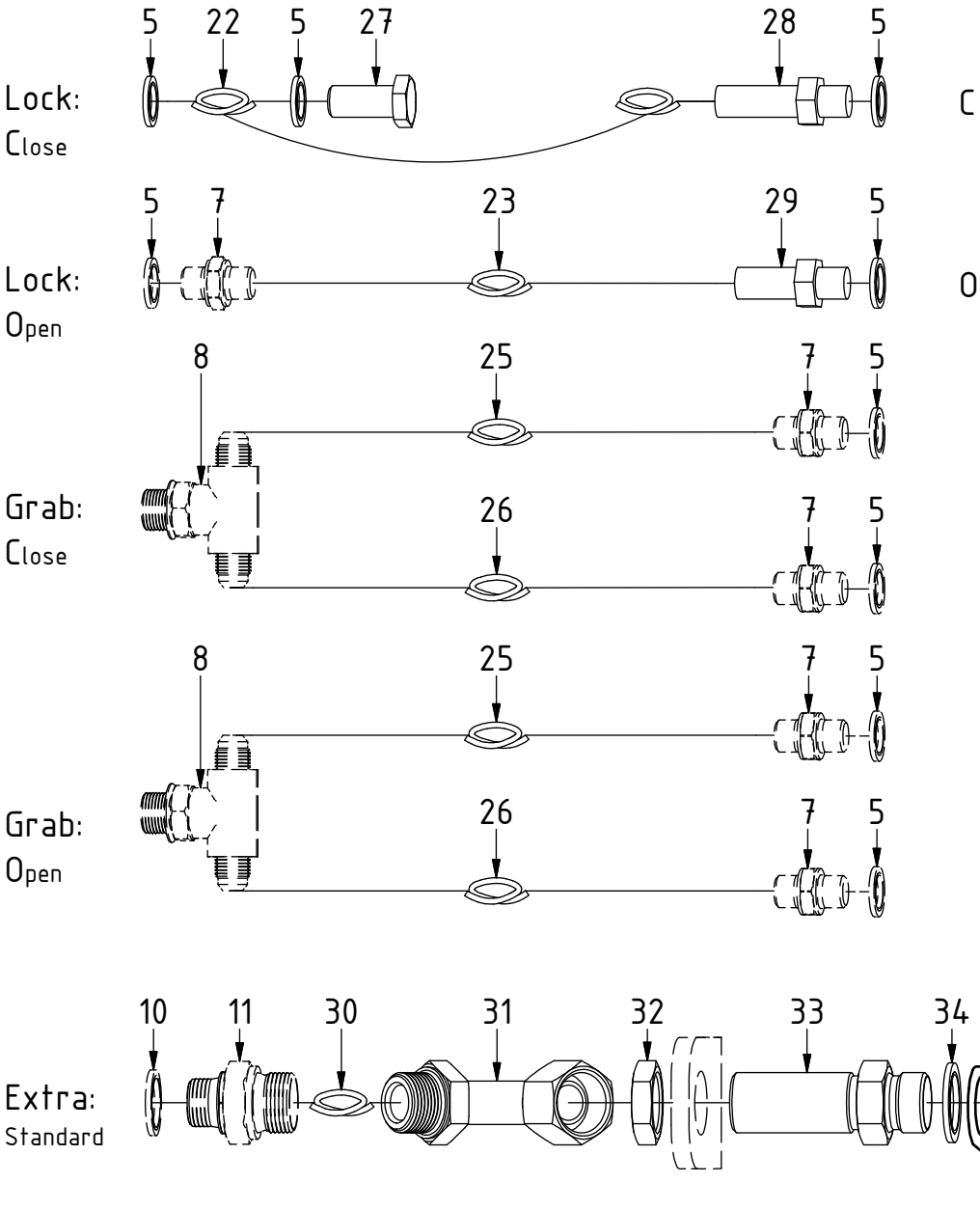
Replaces POS.10-11

POS	DESCRIPTION	PART	QTY	COMMENTS
2	Pipe plug 1/4"	711508	2	Loctite 5400
3	Washer GBR06 3/8	710703	2	
4	Plug Din 908 3/8"	7001657	2	
5	Washer GBR04 1/4	710702	13	QTY: 4 part of Grab adapter
6	Plug 1/4"	711505	4	
7	Adapter 1/4"	710135	5	QTY: 4 part of Grab adapter
8	Adapter 403-04-06	712224	2	
9	Plug 1/2"	711500	1	QTY: 3 for EC233 Without Extra
10	Sealing washer 1/2"	710704	2	QTY: 5 for EC-Oil
11	Adapter 1/2" - 3/4"	710109	2	
12	Bulkhead adapter 1/2"	710244	3	

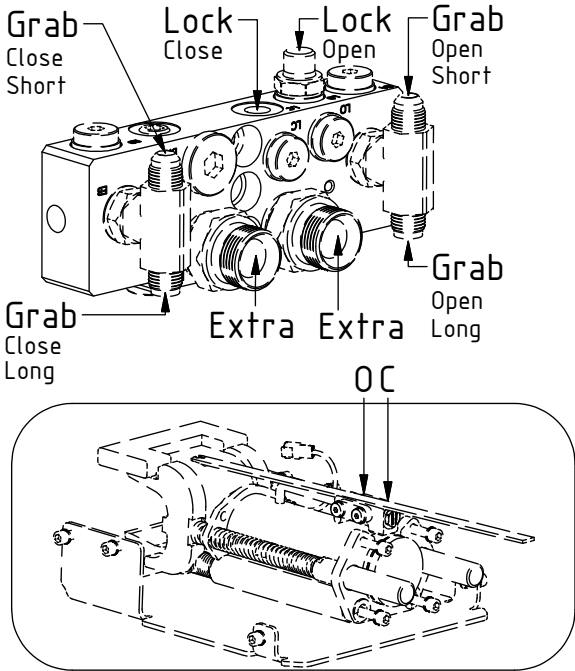
EC-Oil:



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POS	DESCRIPTION	PART	QTY	COMMENTS
5	Washer GBR04 1/4	710702	13	QTY: 4 part of Grab adapter
7	Adapter 1/4"	710135	5	QTY: 4 part of Grab adapter
8	Adapter 403-04-06	712224	2	
10	Sealing washer 1/2"	710704	2	QTY: 5 for EC-Oil
11	Adapter 1/2" - 3/4"	710109	2	
21	Hose kit - Lock	7000196	1	(POS.22-23 included)
22	Hose Lock Short	7000198	1	
23	Hose Lock Long	7000197	1	
24	Hose kit - Grab	7000097	1	(POS.25-26 included)
25	Hose Grab Short	7000861	2	
26	Hose Grab Long	7000098	2	
27	Banjobolt 1/4"	710271	1	
28	Bulkhead adapter extended 1/4"	710261	1	
29	Bulkhead adapter 1/4"	710240	1	
30	Hose Extra	7000576	2	
31	Adapter 488-12-12 90°	7000059	2	
32	Bulkhead adapter nut	712211	2	
33	Bulkhead adapter extended 3/4"	712227	2	
34	Sealing washer 3/4"	710706	4	
35	Quick coupling 3/4"	790193	2	
36	Dust protection 3/4"	790195	2	



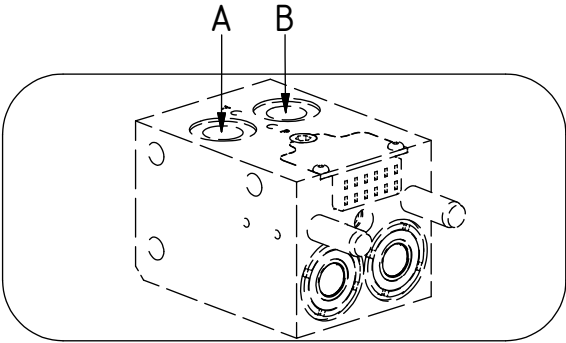
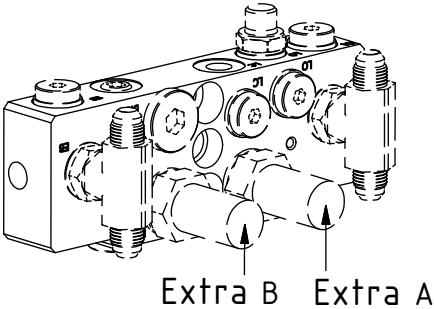
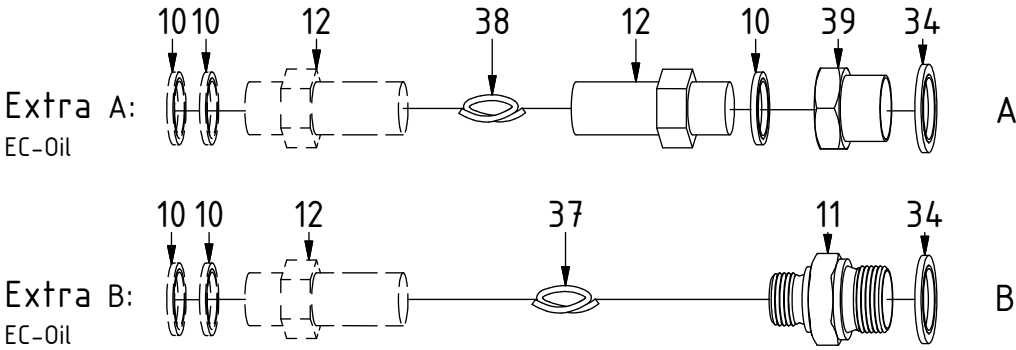
See instruction,
Standard components

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EC-Oil

POS	DESCRIPTION	PART	QTY	COMMENTS
10	Sealing washer 1/2"	710704	2	QTY: 5 for EC-Oil
11	Adapter 1/2" - 3/4"	710109	2	
12	Bulkhead adapter 1/2"	710244	3	
34	Sealing washer 3/4"	710706	4	
37	Hose Extra (EC-Oil) Short	7000029	1	
38	Hose Extra (EC-Oil) Long	7000704	1	
39	Adapter 234-12-08	712219	1	

POS in order of assembly



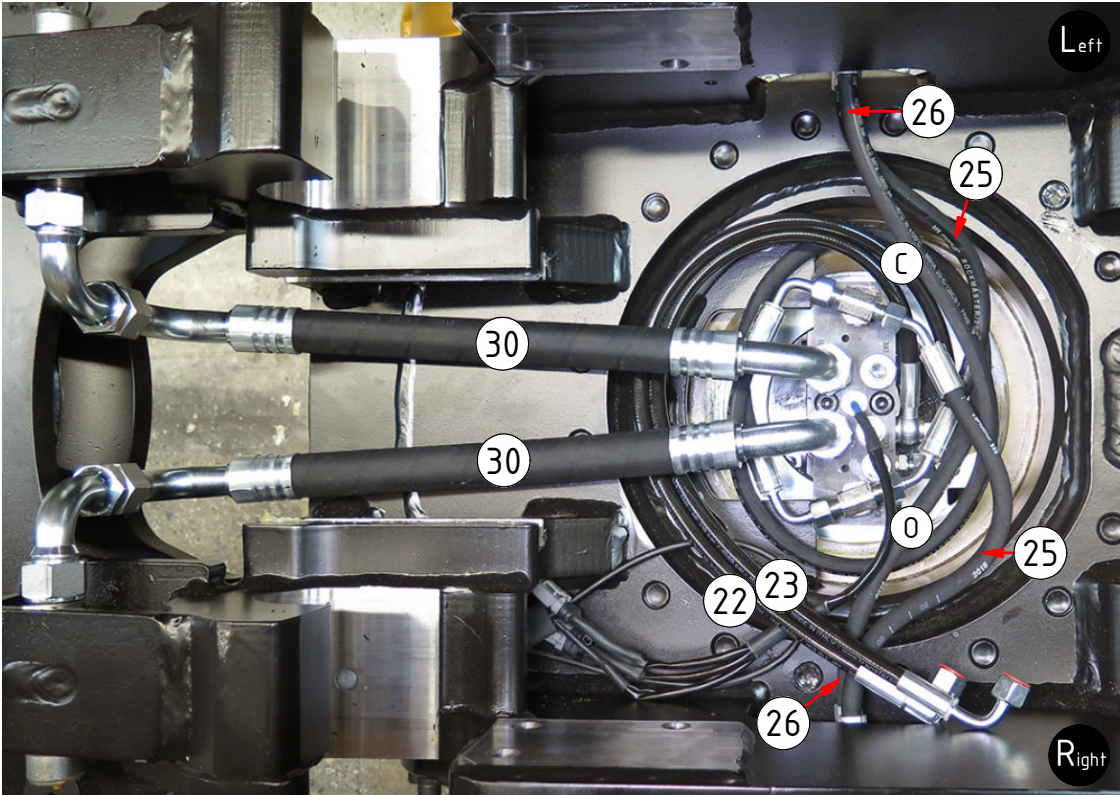
See instruction,
EC-Oil components

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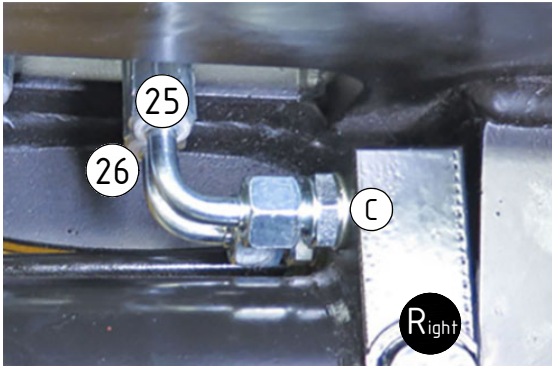
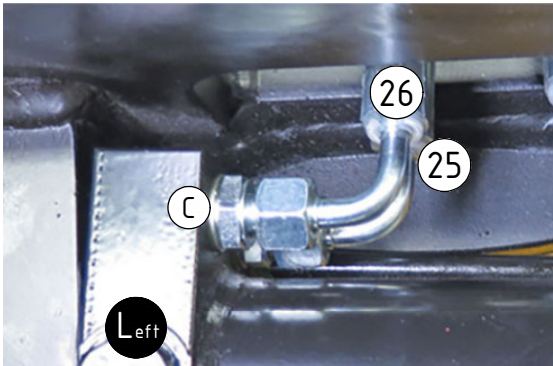
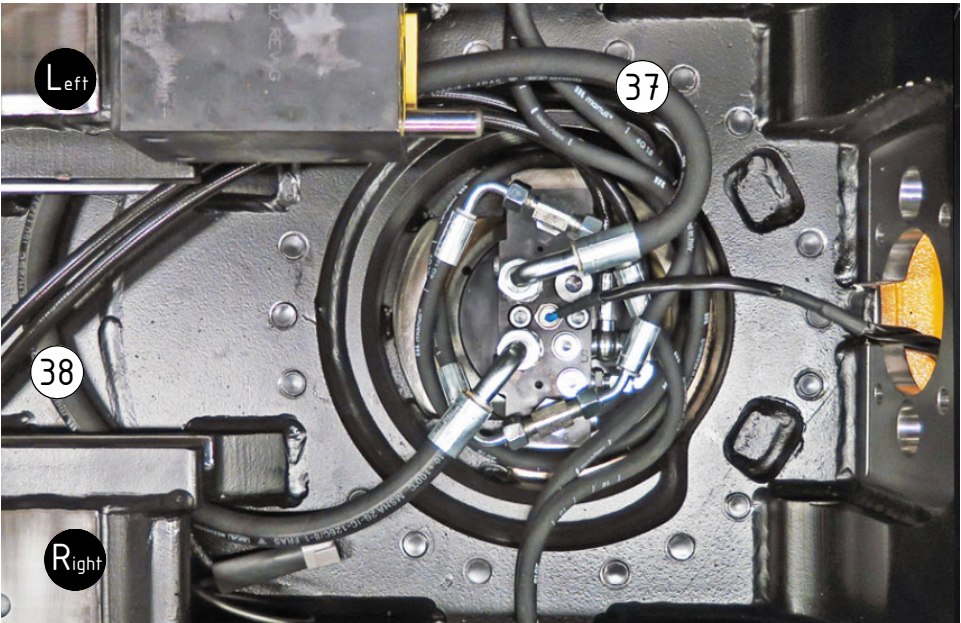
POS in order of assembly

POS	DESCRIPTION	PART	QTY	COMMENTS
21	Hose kit - Lock	7000196	1	(POS.22-23 included)
22	Hose Lock Short	7000198	1	
23	Hose Lock Long	7000197	1	
24	Hose kit - Grab	7000097	1	(POS.25-26 included)
25	Hose Grab Short	7000861	2	
26	Hose Grab Long	7000098	2	
30	Hose Extra	7000576	2	
37	Hose Extra (EC-Oil) Short	7000029	1	
38	Hose Extra (EC-Oil) Long	7000704	1	

Standard:

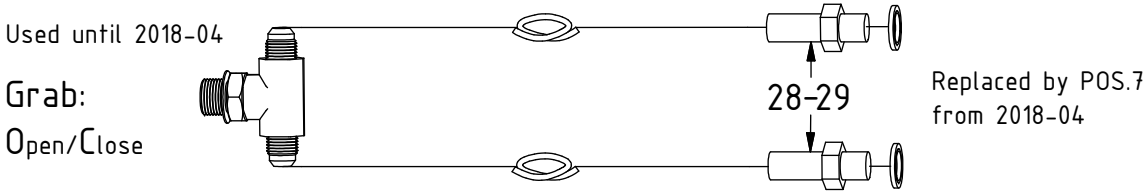
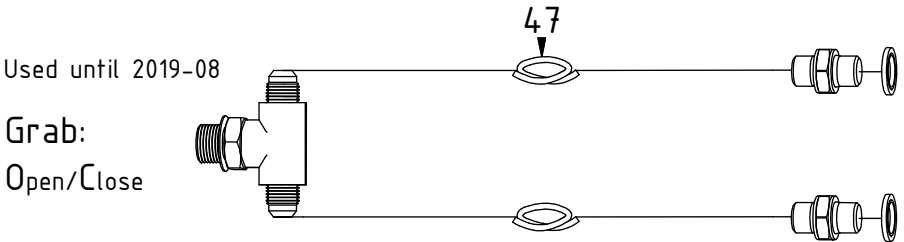


EC-Oil:



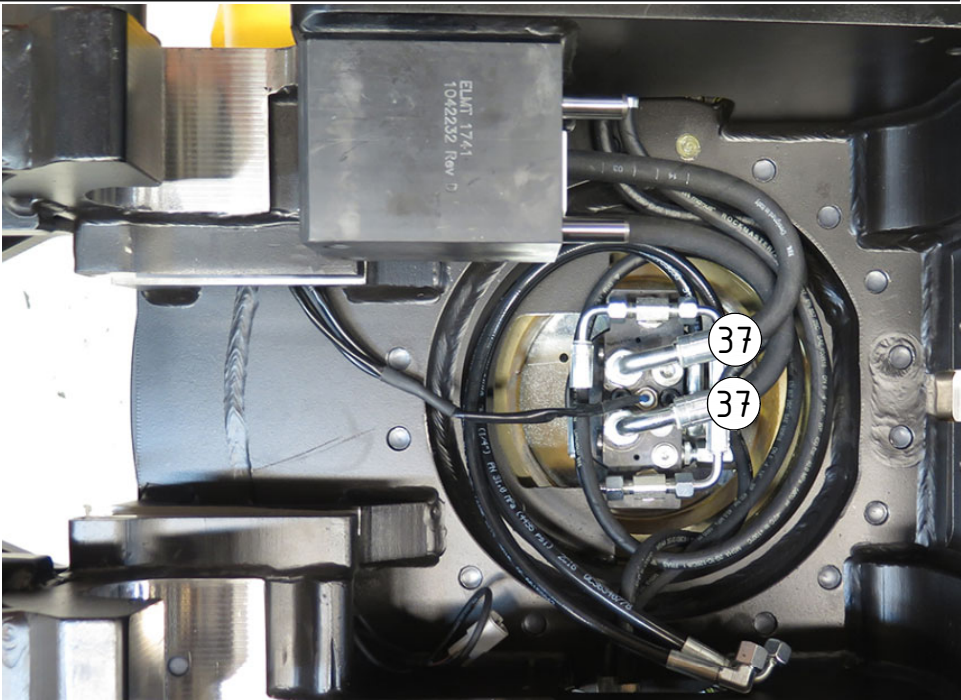
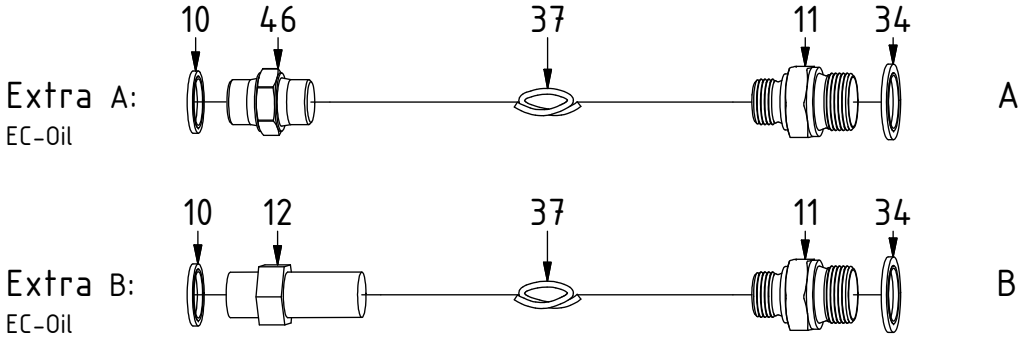
Dashed lines for overview, mounts on other pages/assemblies. \ indicates instruction. represents hose.

Related spare parts



POS	DESCRIPTION	PART	QTY	COMMENTS
7	Adapter 1/4"	710135	5	QTY: 4 part of Grab adapter
10	Sealing washer 1/2"	710704	2	QTY: 5 for EC-Oil
11	Adapter 1/2" - 3/4"	710109	2	
12	Bulkhead adapter 1/2"	710244	3	
25	Hose Grab Short	7000861	2	
28	Bulkhead adapter extended 1/4"	710261	1	
29	Bulkhead adapter 1/4"	710240	1	
34	Sealing washer 3/4"	710706	4	
37	Hose Extra (EC-Oil) Short	7000029	1	
46	Adapter 1/2"	710108	2	
47	Hose Grab Short	740238	2	Replaced by POS.25 from 2019-08

Used until 2018-07



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