EC209B - ss9IQ

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COVERSHEET

Planned document changes:

Breifly:
No planned changes.

Document changes:

Date:	Change:	Rev. after change:
2026-08-25	Hydrema corrected.	E
2025-12-01	Options added.	D
2025-06-03	Clarification for HYD/Hydrema added.	C
2023-08-14	Layout/irrelevant.	B
2023-05-30	ECO added. Spare parts updated. QSM50 Rot hoses added.	A
2022-11-21	New document.	-

Readers note:

Indicates instruction.

Represents Hose.

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

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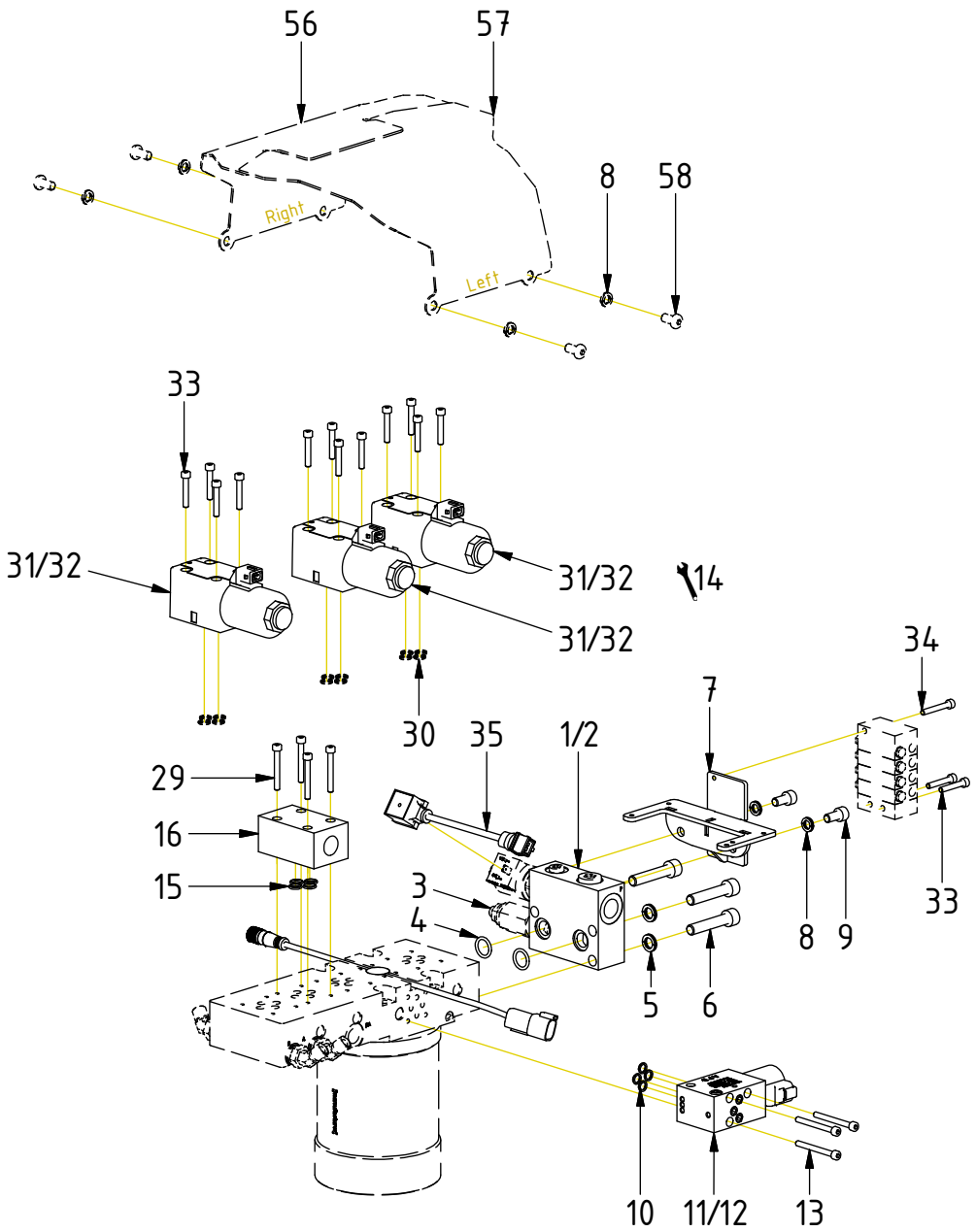
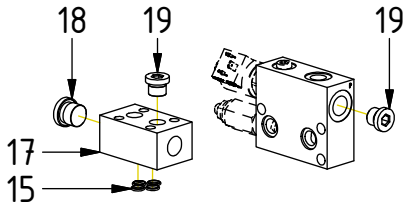


POS	DESCRIPTION	PART	QTY	COMMENTS
1	Connectionbl. P reducer +Dump 12	1056908	1	(POS.3 incl.)
2	Connectionbl. P reducer +Dump 24	1058798	1	(POS.3 incl.)
3	Dual relief valve 1CLLR100	730287	1	
4	O-ring 15,54x2,62	712423	2	
5	Washer NL 10mm	611041	3	
6	Screw MC6S M10x50 12.9 ZFSHL	611515	3	Torque: 79Nm
7	Mounting plate Central lub. QSM	1055574	1	
8	Washer NL 8mm	611040	6	QTY: 4 part of make up
9	Screw MC6S M8x16 12.9	610432	2	
10	O-ring 7,65x1,78	710960	4	
11	Directional valve NG4 IQS 12V DT	1042045	1	(POS.10 incl.)
12	Directional valve NG4 IQS 24V DT	1042188	1	(POS.10 incl.)
13	Screw MC6S M5x50 12.9	610407	3	Torque: 9,7Nm
14	For option SG, SX			See p.9 for instruction
15	O-ring 9,25x1,78	710901	4	
16	Connectionbl. 1/2" crossingchannels	1050000	1	
17	Connectionbl. 1/2"	405670	1	For EC-Oil
18	Plug 70125-08 (1/2")	711500	1	
19	Plug 70125-06 (3/8")	711504	2	
29	Screw MC6S M5x40 12.9	610405	4	
30	O-ring 8,75x1,78	710959	12	
31	Directional valve closed 12V	7001619	3	(POS.30 incl.)
32	Directional valve closed 24V	7001618	3	(POS.30 incl.)
33	Screw MC6S M5x30 12.9	610403	14	Torque: 9,7Nm
34	Screw MC6S M5x35 12.9	610404	1	
35	Adapter cabel-Hirschmann-Amp	302971	1	
56	Protective cover EC209 QSM right	1056633	1	Part of make up
57	Protective cover EC209 QSM left	1056632	1	Part of make up
58	Screw K6S M8x16 10.9 FZB	611810	4	Part of make up

POS in order of assembly

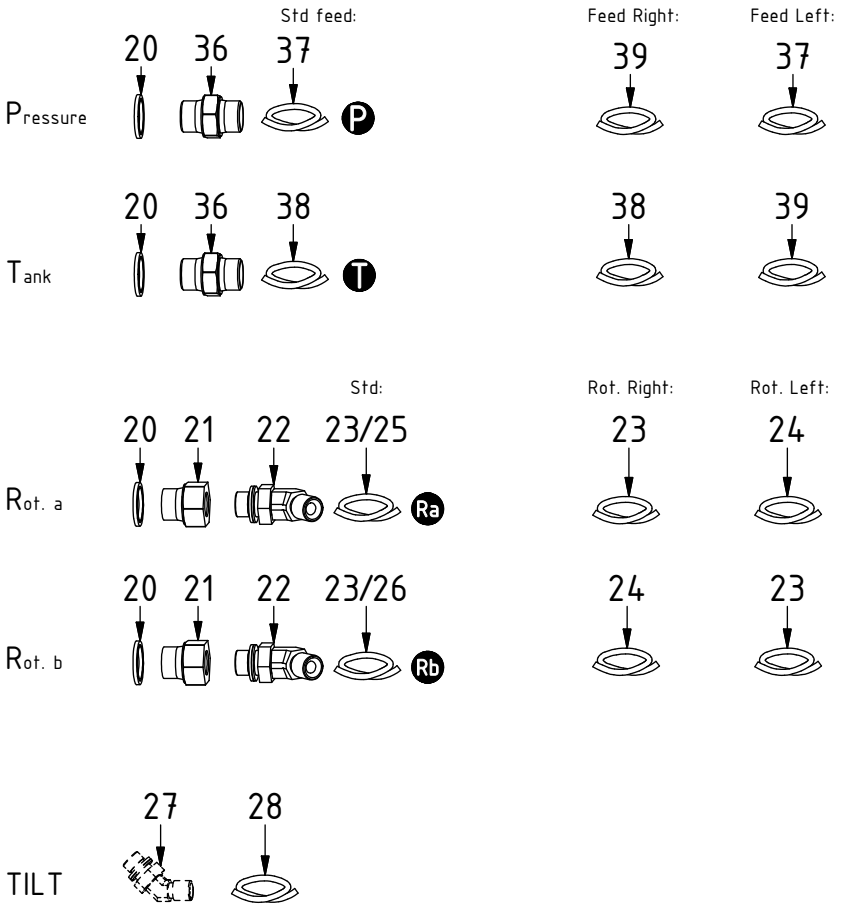
EC-Oil:



Photos on page 8.

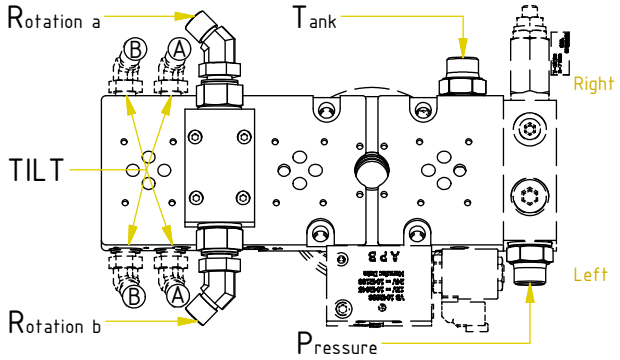
Hoses

Without EC-Oil



POS	DESCRIPTION	PART	QTY	COMMENTS
14	For option SG, SX			See p.9 for instruction
20	Washer GBR08 1/2	710704	4	QTY: 2 for EC-Oil
21	Adapter 234-08-06	710233	2	QTY: 1 for EC-Oil
22	Adapter 45° 402-06-06 (3/8")	7000090	2	
23	Hose Rotation a & b - QSM45	7001587	2	QTY: 1 for Rot. Right/Left
24	Hose Rotation Right/Left - QSM45	7001589	1	Rot. Left: Use this for "a" Rot. Right: Use this for "b"
25	Hose Rotation a - QSM50	7001846	1	
26	Hose Rotation b - QSM50	7001847	1	
27	Adapter 45° 402-04-04 (1/4")	7000104	4	Part of quick hitch assy.
28	Hose Tilt	7001308	4	
36	Adapter 136-08-08 (1/2")	710108	2	
37	Hose Feed P	7001265	1	
38	Hose Feed T	7001266	1	
39	Hose Feed Right/Left	7001586	1	Feed Right: Use this for "P" Feed Left: Use this for "T"
40	For Hydrema			Follow Feed Left with Rot. Right

POS in order of assembly



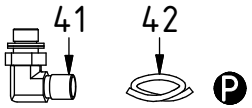
Hoses

EC-Oil

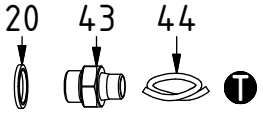
POS	DESCRIPTION	PART	QTY	COMMENTS
20	Washer GBR08 1/2	710704	4	QTY: 2 for EC-Oil
21	Adapter 234-08-06	710233	2	QTY: 1 for EC-Oil
27	Adapter 45° 402-04-04 (1/4'')	7000104	4	Part of quick hitch assy.
28	Hose Tilt	7001308	4	
41	Adapter 401-06-06 90° (3/8'')	710152	2	
42	Hose Feed P EC-Oil	7001311	1	
43	Adapter 135-06-08	710122	1	
44	Hose Feed T EC-Oil	7001268	1	
45	Washer GBR06 3/8	710703	1	
46	Adapter 1260-06-32 (3/8'')	710242	1	
47	Hose Rotation a EC-Oil	7001274	1	
48	Hose Rotation b EC-Oil	7001317	1	

POS in order of assembly

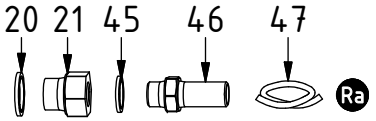
Pressure



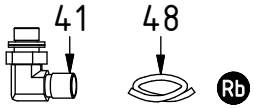
Tank



Rot. a



Rot. b



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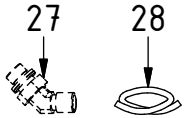

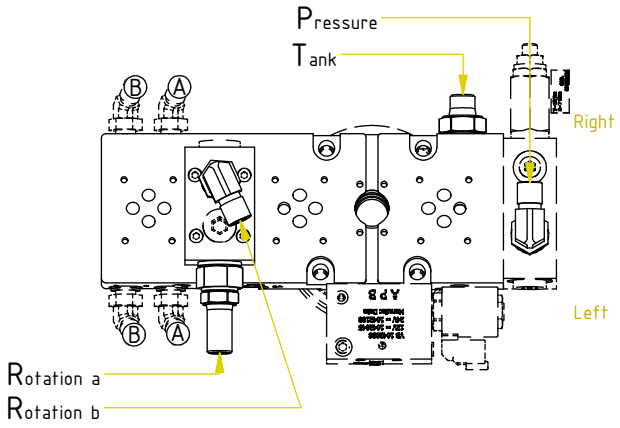

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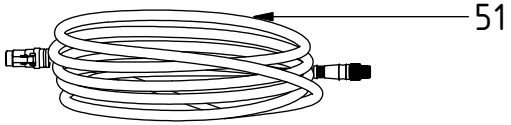
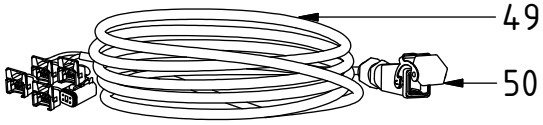
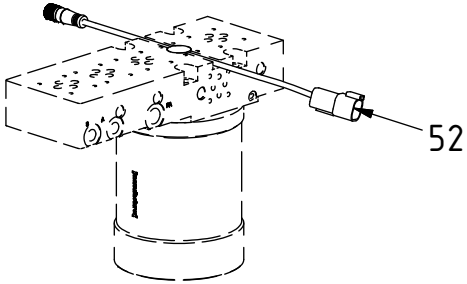
Cables

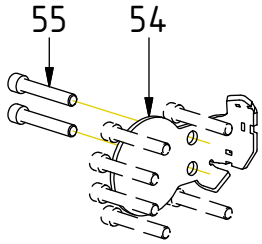
POS	DESCRIPTION	PART	QTY	COMMENTS
49	Aggregate cable ss9-2 DT Complete	8001823	1	
50	ILME cover 12P contact with jumper	810208	1	(Incl. with agg.cable)
51	Cable QS QLM tiltrotator ss9-2	842148	1	
52	Q-Safe connector			
53	Adapter cable ECO (DTM) ss9-2	1029599	1	For EC-Oil. Instead of POS.49 & 51
54	Protection plate End lock EC209B	1063372	1	
55	Screw MC6S M12x70 12.9 Geomet	611517	8	Torque: 136Nm

POS in order of assembly

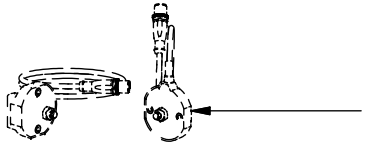






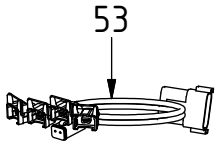


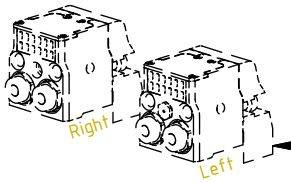
EC209BS:



Exploded view
ePS2 Sensors

EC-Oil:

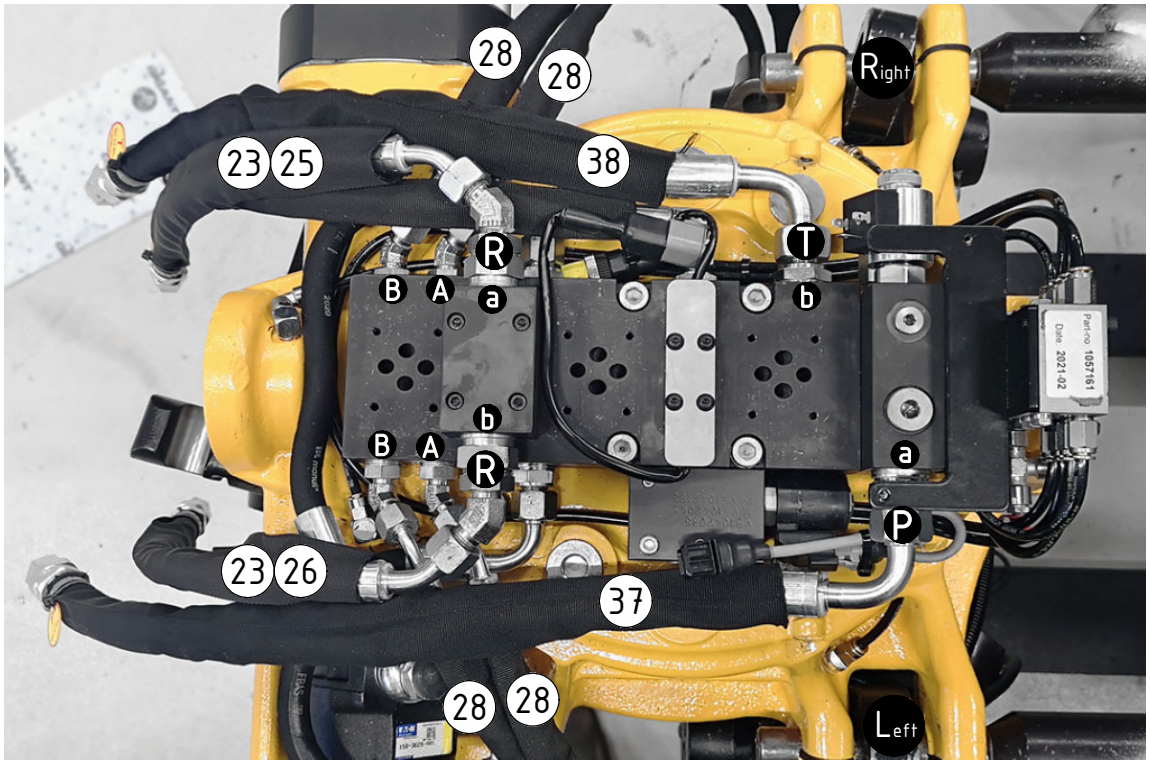




Exploded view
EC-Oil components

Hoses

Std Feed



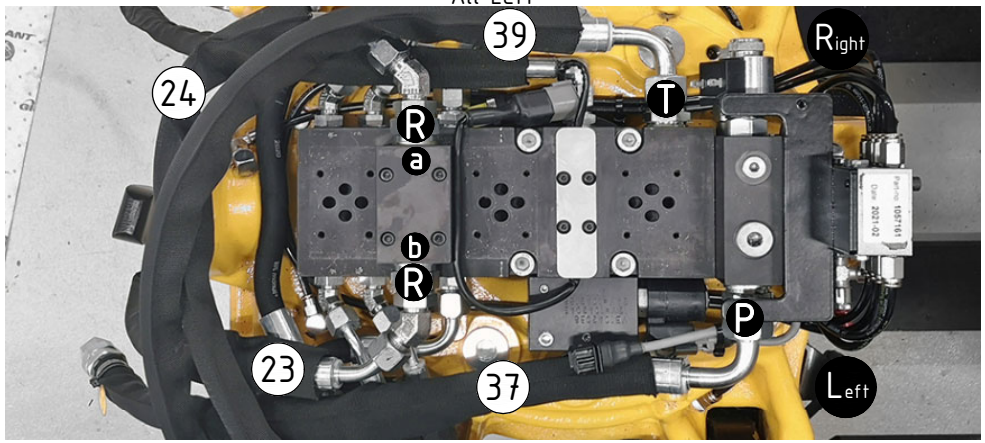
EC-Oil:

Photo needed: EC-Oil (see p.4)

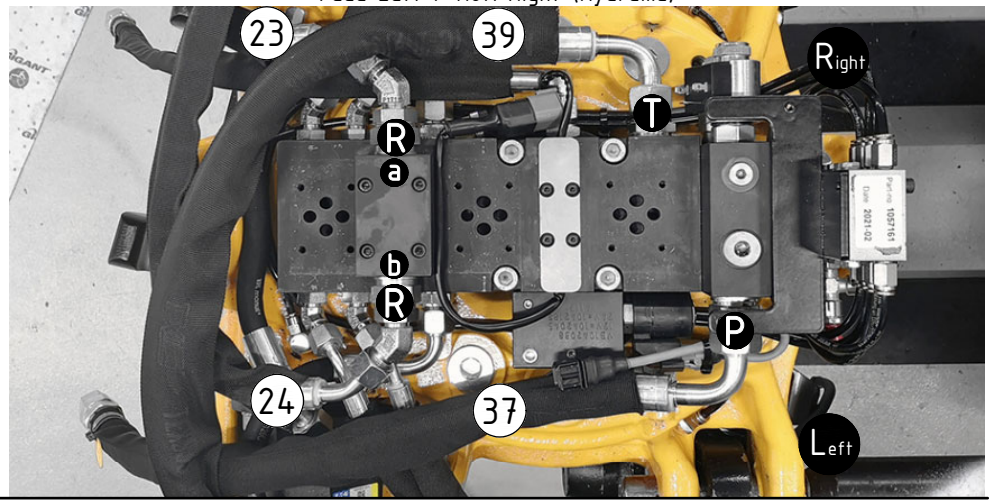
POS	DESCRIPTION	PART	QTY	COMMENTS
14	For option SG, SX			See p.9 for instruction
23	Hose Rotation a & b - QSM45	7001587	2	QTY: 1 for Rot. Right/Left
24	Hose Rotation Right/Left - QSM45	7001589	1	Rot. Left: Use this for "a" Rot. Right: Use this for "b"
25	Hose Rotation a - QSM50	7001846	1	
26	Hose Rotation b - QSM50	7001847	1	
28	Hose Tilt	7001308	4	
37	Hose Feed P	7001265	1	
38	Hose Feed T	7001266	1	
39	Hose Feed Right/Left	7001586	1	Feed Right: Use this for "P" Feed Left: Use this for "T"
42	Hose Feed P EC-Oil	7001311	1	
44	Hose Feed T EC-Oil	7001268	1	
47	Hose Rotation a EC-Oil	7001274	1	
48	Hose Rotation b EC-Oil	7001317	1	

POS in order of assembly

All Left



Feed Left / Rot. Right (Hydrema)



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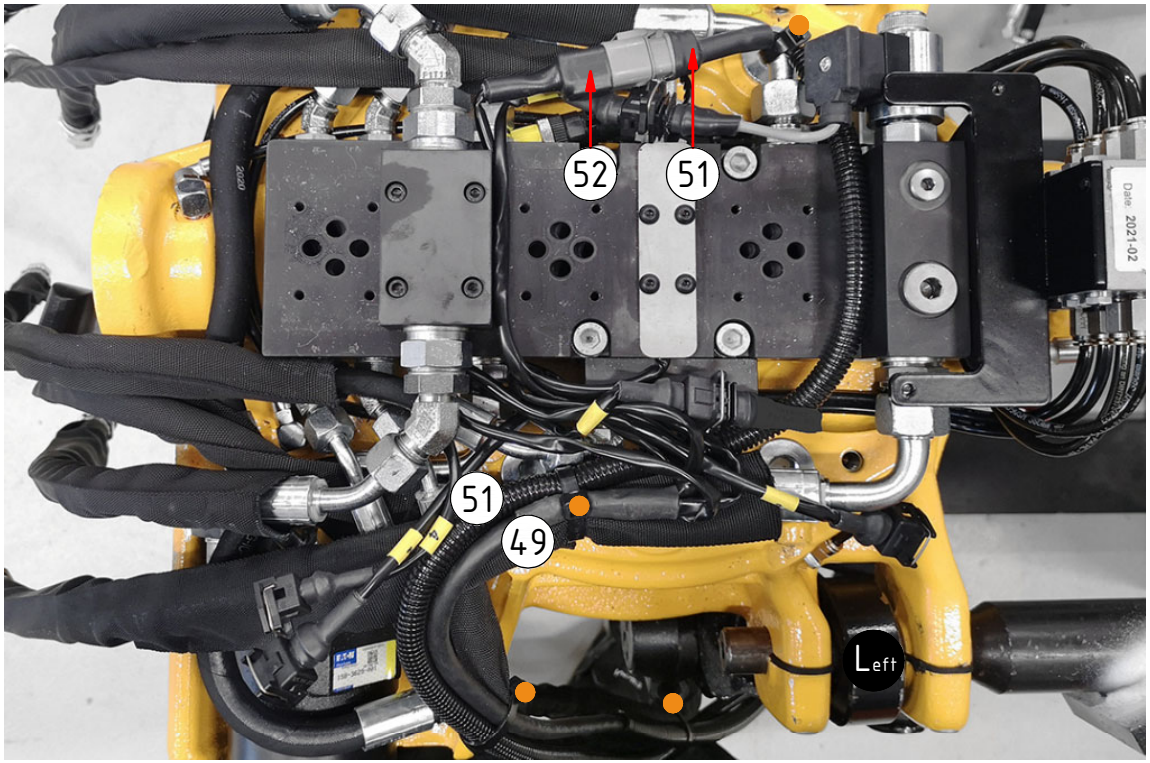
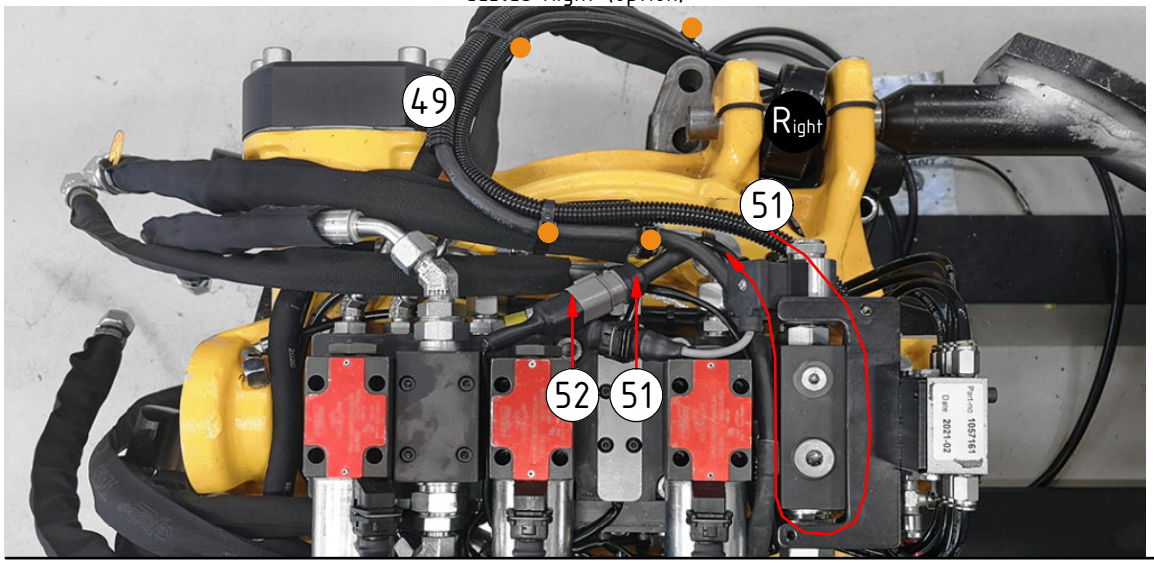
Cables



Cables Right (option)

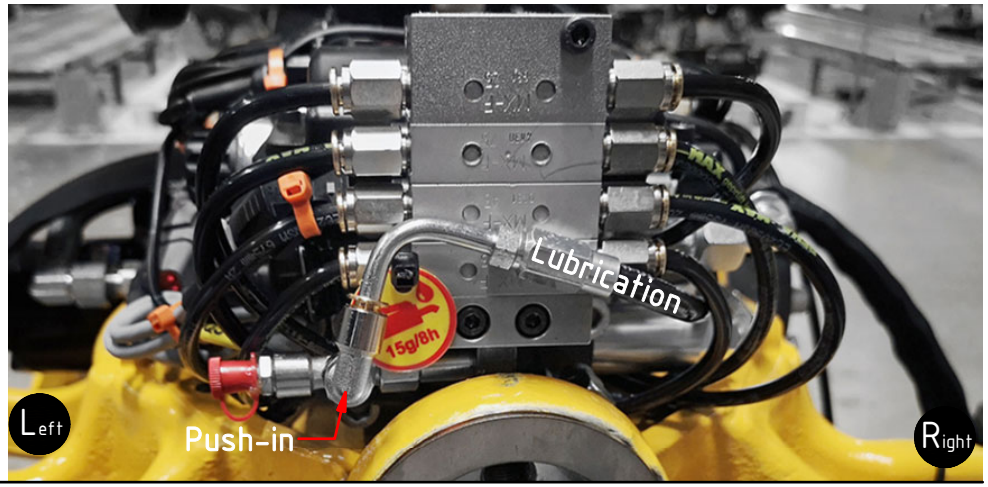


POS	DESCRIPTION	PART	QTY	COMMENTS
49	Aggregate cable ss9-2 DT Complete	8001823	1	
51	Cable QS QLM tiltrotator ss9-2	842148	1	
52	Q-Safe connector			
53	Adapter cable ECO (DTM) ss9-2	1029599	1	For EC-Oil. Instead of POS.49 & 51
●	Use cable ties			

POS in order of assembly

EC-Oil:

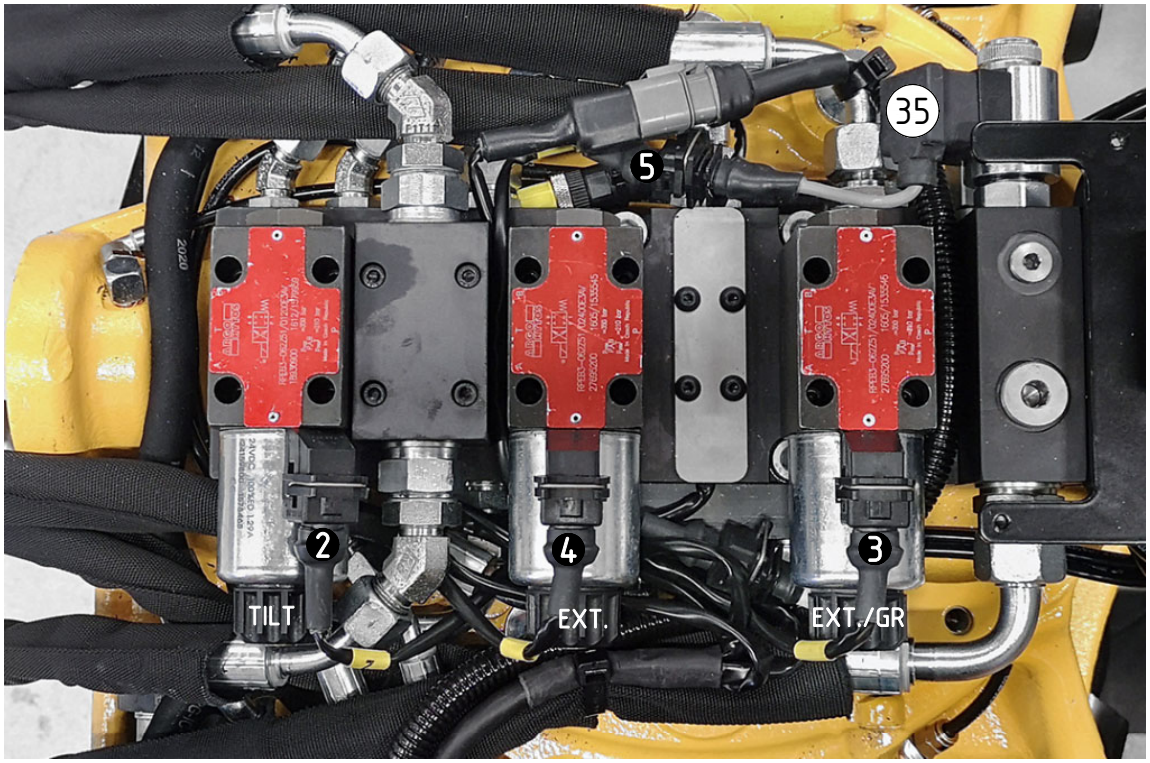
Photo needed: POS.52 to 6P from block,
POS.53 to 12P from block

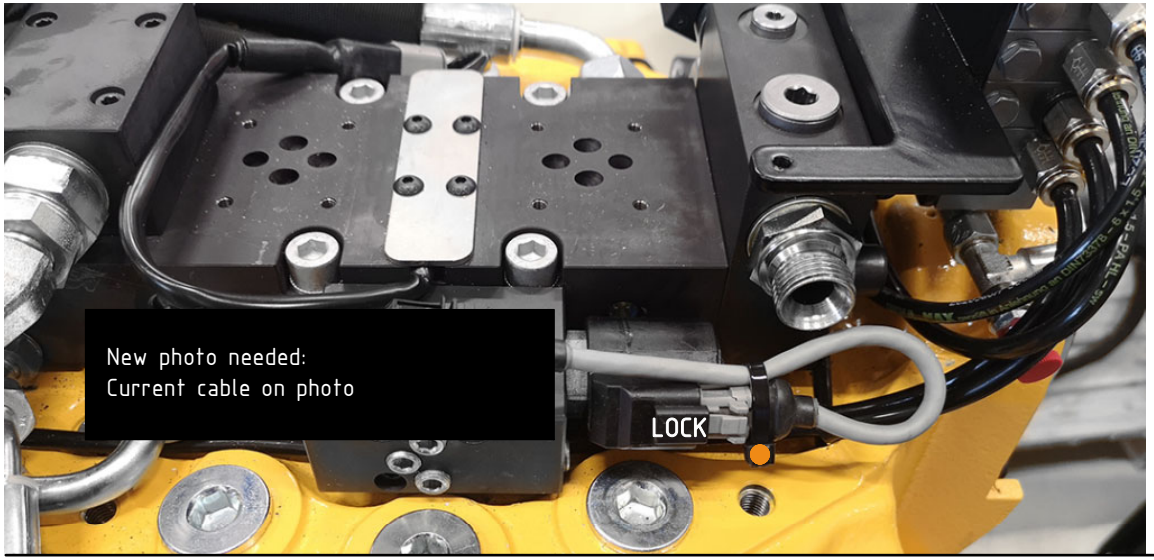


Valves

POS	DESCRIPTION	PART	QTY	COMMENTS
35	Adapter cabel-Hirschmann-Amp	302971	1	
●	Use cable ties			

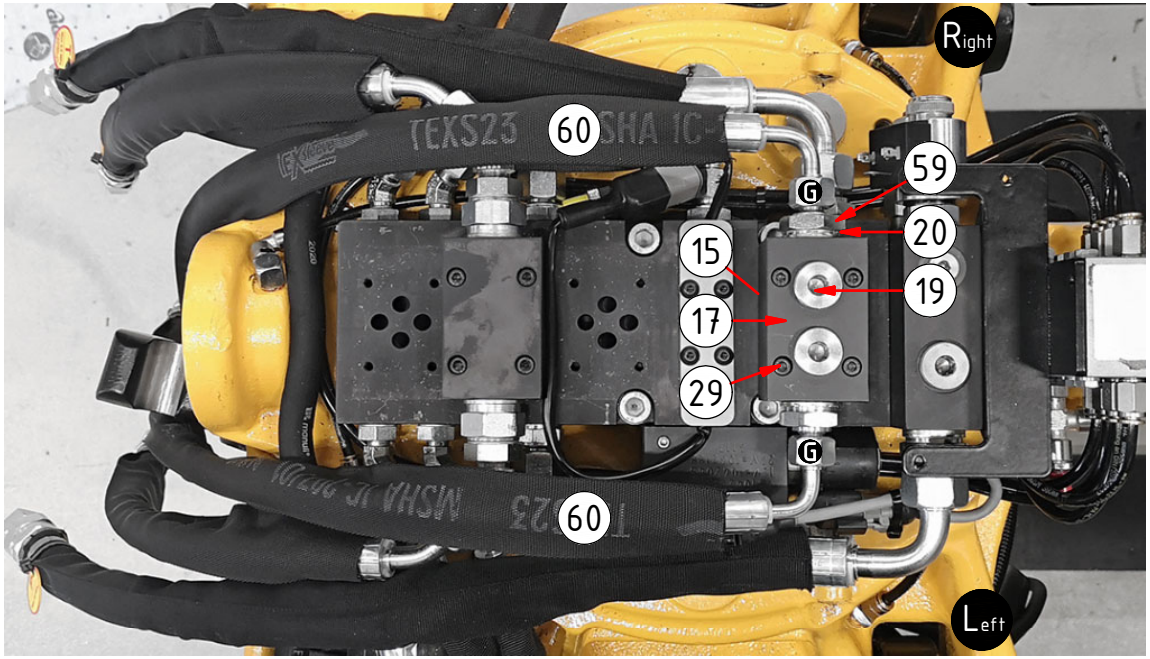
POS in order of assembly



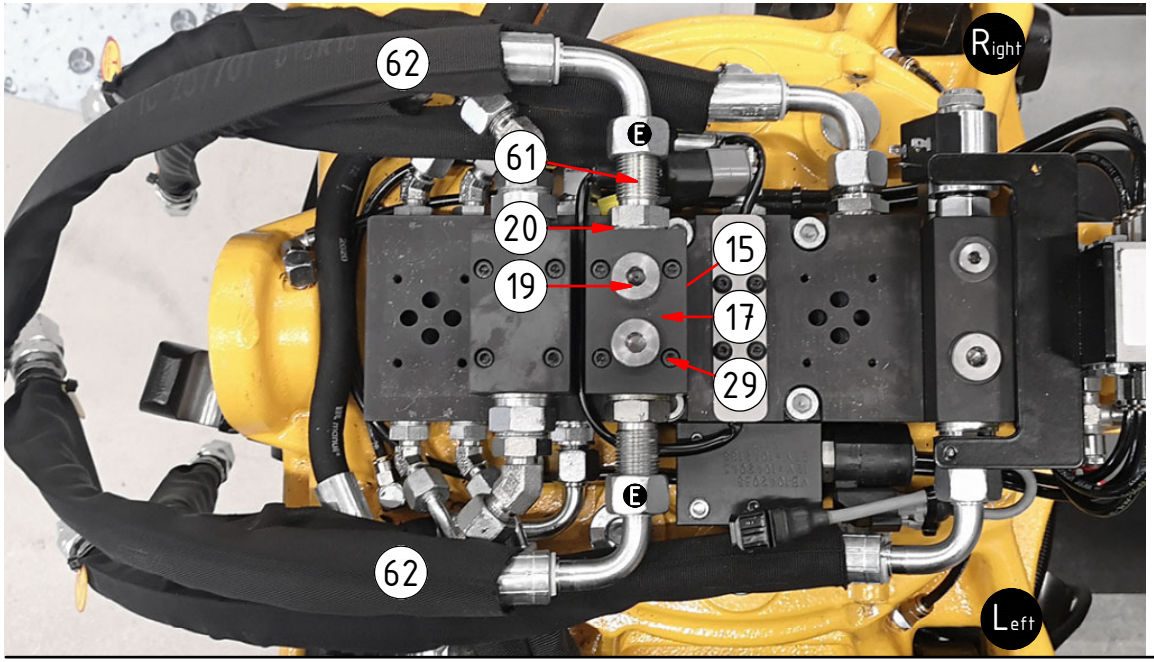


special/options

SG:



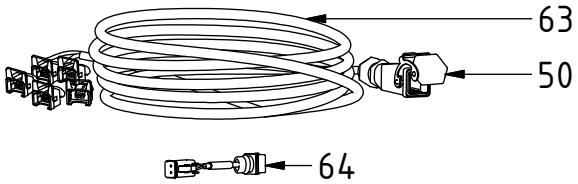
SX:



POS	DESCRIPTION	PART	QTY	COMMENTS
15	O-ring 9,25x1,78	710901	4	
17	Connectionbl. 1/2"	405670	1	For EC-Oil
19	Plug 70125-06 (3/8")	711504	2	
20	Washer GBR08 1/2	710704	4	QTY: 2 for options
29	Screw MC6S M5x40 12.9	610405	4	
59	Adapter 135-04-08	710120	2	
60	Hose Feed Grab	7001636	2	
61	Adapter 1260-08-08 (1/2")	710244	2	
62	Hose Feed Extra		2	CC615/KL500

POS in order of assembly

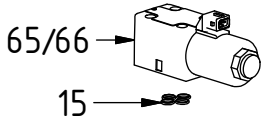
RELATED SPARE PARTS



POS	DESCRIPTION	PART	QTY	COMMENTS
15	O-ring 9,25x1,78	710901	4	
31	Directional valve closed 12V	7001619	3	(POS.30 incl.)
32	Directional valve closed 24V	7001618	3	(POS.30 incl.)
49	Aggregate cable ss9-2 DT Complete	8001823	1	
50	ILME cover 12P contact with jumper	810208	1	(Incl. with agg.cable)
63	Aggregate cable ss9-2 JT Complete	1032909	1	Replaced by POS.49 from 2022-06
64	Adapter cable DT-JT	1017478	1	Used until 2022-06
65	Argo hytos valve closed 12V	730112	1	Replaced by POS.31 (ATOS)
66	Argo hytos valve closed 24V	730110	1	Replaced by POS.32 (ATOS)
67	Screw K6S M5x16 10.9 FZB	611818	1	
68	Rubber steel clamp ø16	6000009	1	
69	Valve spacer	1034402	5	
70	Plate EC209PS QSM	1057538	1	
71	Screw MC6S M5x16 12.9	610401	4	
72	Adapter cable ePS rotation sensor	8000784	1	
73	Unit cable ePS w. 120 ohm termin.	8000824	1	
74	Protection EC209PS	1033565	1	
75	Screw MC6S M12x80 12.9 ZFSHL	6000148	8	Torque: 136Nm

POS in order of assembly

Used until 2022-06



o-rings, coils, & nuts
are not compatible
between valve brands

EC209PS:

