EC214 - Rotator frame

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COVERSHEET

Planned document changes:

Breifly:

No planned changes.

Document changes:

Date:	Change:	Rev. after change:
2026-10-09	ECHF added to spare parts page.	S
2024-11-13	Bearing ring w. screws replaced. Nipple to frame added.	R
2024-06-04	Seal in end lock added.	Q
2024-01-08	Loxeal added. O-ring for worm wheel updated.	P
2022-05-23	EC214S added. (EC214 with ePS2 sensors).	O
2022-01-27	Details for end lock added.	N
2021-09-02	Rotator frame replaced. Break support added.	M
2021-05-28	Bearing ring updated.	L
2021-02-17	Torques added and updated.	K
2020-10-09	Rotator frame updated.	J
2019-01-14	Worh wheel 18 holes replaces 12 holes.	I
2018-11-28	QSM added (also applicable for "Without swivel")	H
2018-07-02	Layout/irrelevant.	G
2018-04-23	New location for MACS pipe plug.	F
2017-10-16	Sensor for MACS replaced, new distance 3mm.	E
2017-08-04	Clarifying photo for hoses added. Coversheet added.	D

Readers note:

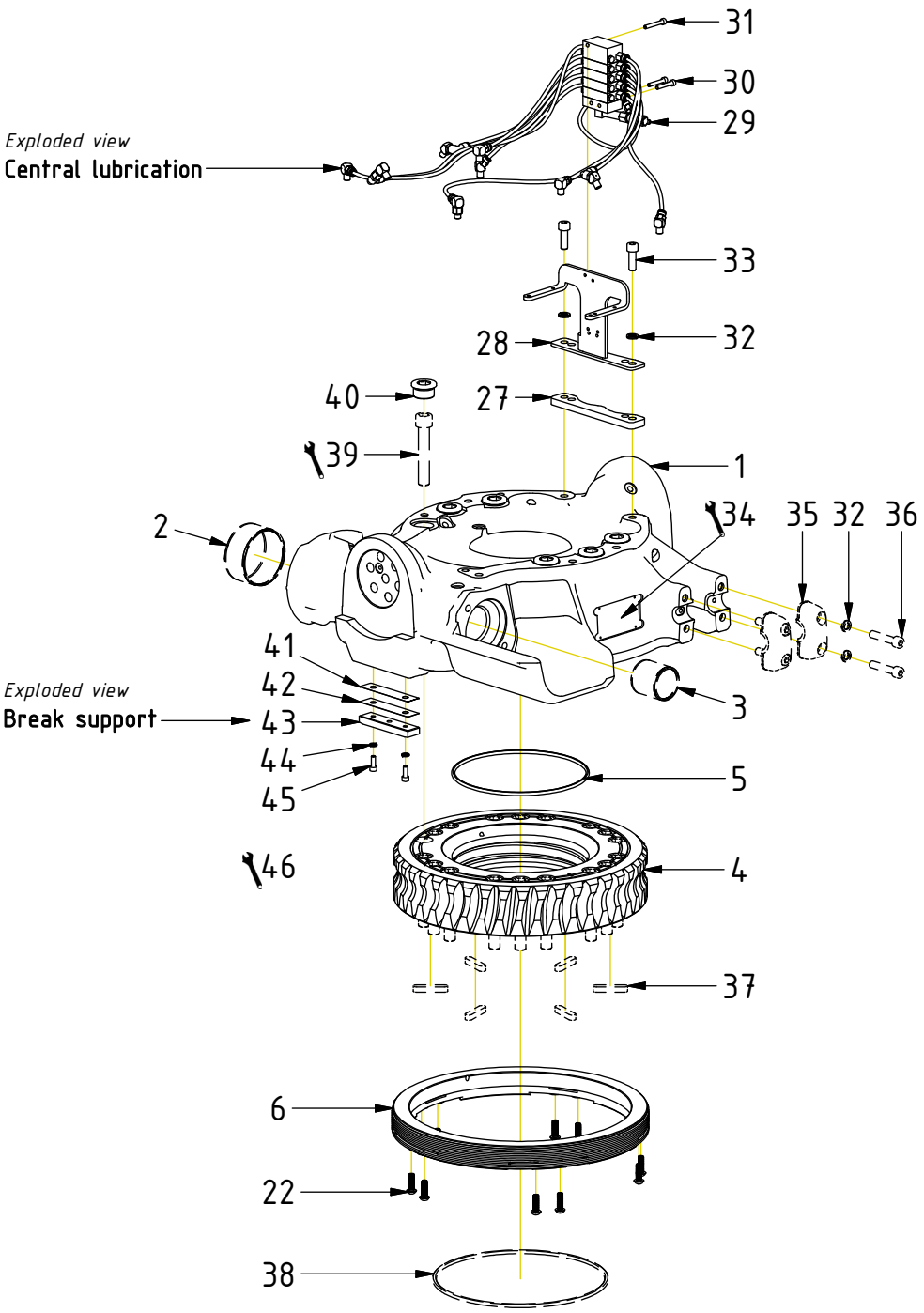
Indicates instruction.

Represents Hose.

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

EC214 - Rotator frame

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POS	DESCRIPTION	PART	QTY	COMMENTS
1	Rotator frame EC214 V3	1062446	1	(POS.2-3 incl.)
2	Bushing WB802 80/85x40	630103	1	
3	Bushing WB802 45/50x50	630102	1	
4	Worm wheel 18h EC214	1046396	1	
5	O-ring 195x5	7001661	1	
6	Bearing ring EC214 V2	1077008	1	(Only compatible with 8x25)
22	Screw TX45 8x25 10,9 FZB	1078840	10	Torque: 34Nm Tighten in cross pattern
27	Spacer central lubrication	1047832	1	
28	Mounting plate lube. ECHF/QSM	1031517	1	
29	Lubrication kit	1026699	1	
30	Screw MC6S M5x30 12.9	610403	2	
31	Screw MC6S M5x35 12.9	610404	1	
32	Washer NL 10mm	611041	10	QTY: 8 part of top part
33	Screw MC6S 10x30 12.9 ZFSHL	612018	2	Torque: 79Nm
34	Punch serial no into rotator frame			
35	Clamping half Complete	1022942	4	Part of top part
36	Screw MC6S M10x50 12.9 ZFSHL	611515	8	Part of top part. Torque: 79Nm
37	Feather Key	650102	6	Part of quick hitch
38	O-ring 249,3x5,7	712424	1	Part of quick hitch
39	Screws depends on quick hitch		18	See "Quick hitch"
40	Pipe plug M30x1,5	650410	6	
41	Shim supporting plate 0,1mm	1055262	1	
42	Shim supporting plate 0,3mm	1055260	1	
43	Supporting plate	1055258	1	
44	Washer NL 6mm	611039	2	
45	Screw MC6S M6x16 12.9 ZFSHL	6000017	2	
46	Break play: 0,5 - 0,7mm			Assy. between frame & quick hitch

POS in order of assembly

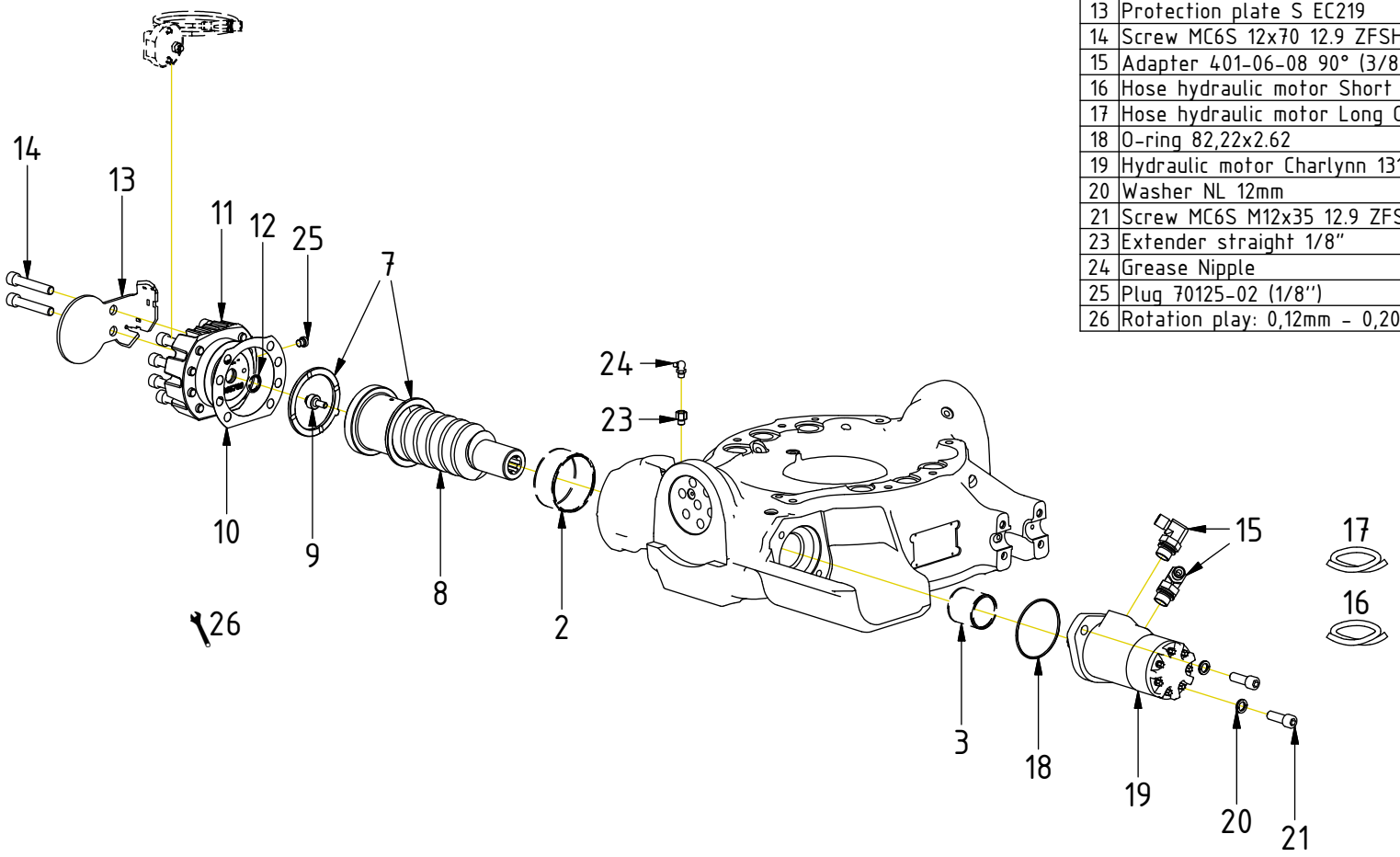
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EC214S:

Exploded view

ePS2 Sensors



POS	DESCRIPTION	PART	QTY	COMMENTS
2	Bushing WB802 80/85x40	630103	1	
3	Bushing WB802 45/50x50	630102	1	
7	Axial washer (with ear)	1079941	2	Face grooves toward worm screw
8	Worm Screw EC219	1016408	1	
9	Magnet Spacer Worm Screw	1062693	1	Loxeal 83-52. Torque: 20Nm
10	Shims kit End Lock 0,3-0,4-0,5 mm	1034434	1	
11	End Lock S EC214 Cast	1065789	1	(POS.12 incl.)
12	Seal end lock 20x27.5x3.2	1063616	1	
13	Protection plate S EC219	1063372	1	
14	Screw MC6S 12x70 12.9 ZFSHL	611517	8	Torque: 136Nm
15	Adapter 401-06-08 90° (3/8''-1/2'')	710157	2	
16	Hose hydraulic motor Short QSM	7000789	1	Part of quick hitch assy.
17	Hose hydraulic motor Long QSM	7000790	1	Part of quick hitch assy.
18	O-ring 82,22x2.62	7000920	1	
19	Hydraulic motor Charlynn 131cc	720112	1	
20	Washer NL 12mm	611042	2	
21	Screw MC6S M12x35 12.9 ZFSHL	6000150	2	Torque: 136Nm
23	Extender straight 1/8''	712216	1	
24	Grease Nipple	711409	1	
25	Plug 70125-02 (1/8'')	711503	1	
26	Rotation play: 0,12mm - 0,20mm			Note rotation play on module card

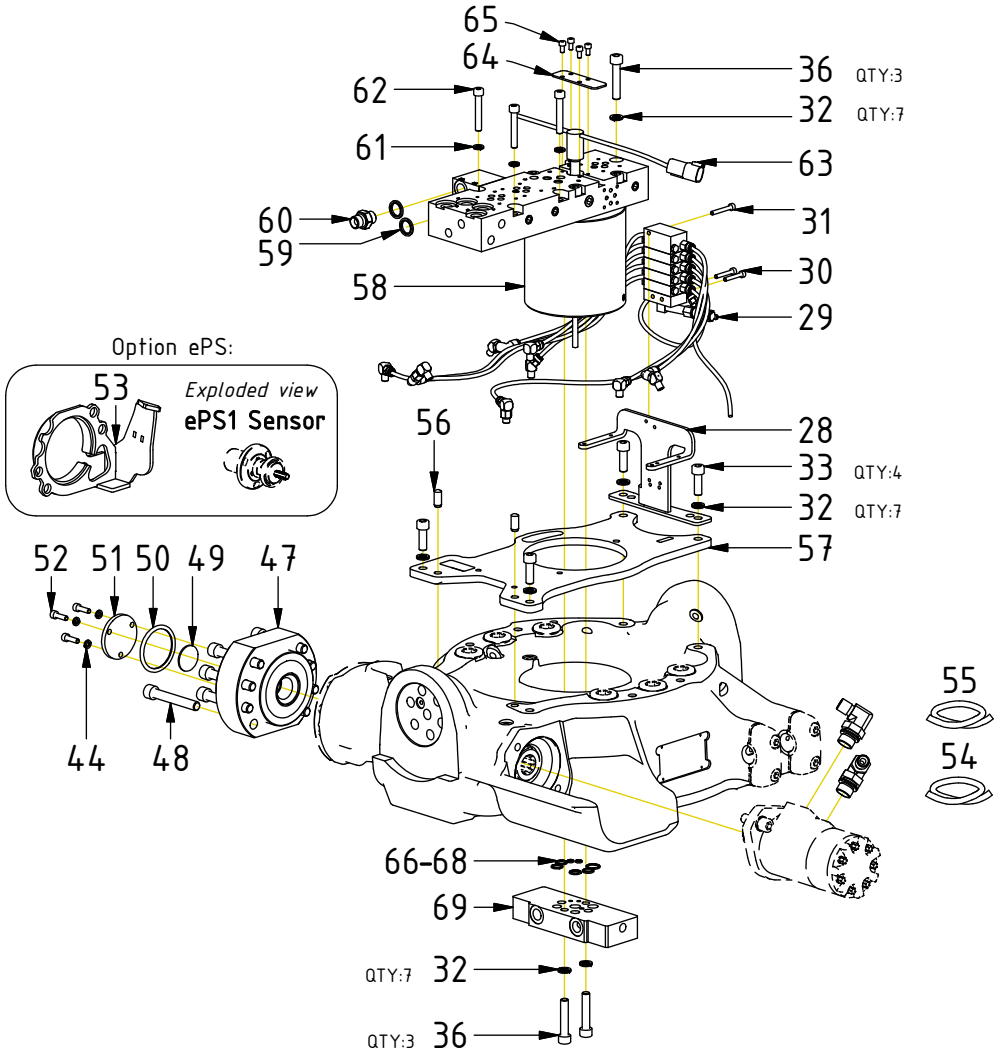
POS in order of assembly

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RELATED SPARE PARTS

EC214 ECHF



POS	DESCRIPTION	PART	QTY	COMMENTS
28	Mounting plate lube. ECHF/QSM	1031517	1	
29	Lubrication kit	1026699	1	
30	Screw MC6S M5x30 12.9	610403	2	
31	Screw MC6S M5x35 12.9	610404	1	
32	Washer NL 10mm	611041	10	QTY: 8 part of top part
33	Screw MC6S 10x30 12.9 ZFSHL	612018	2	Torque: 79Nm
36	Screw MC6S M10x50 12.9 ZFSHL	611515	8	Part of top part. Torque: 79Nm
44	Washer NL 6mm	611039	2	
47	End lock EC209/EC214/EC219	1016557	1	
48	Screw MC6S M12x80 12.9 ZFSHL	6000148	8	Torque: 136Nm
49	Spacer Plate	1065370	1	
50	O-ring 27x5	7000485	1	
51	Cover end lock	1041613	1	
52	Screw MC6S M6x20 A4-80	611513	3	
53	Protection ePS	1033565	1	For ePS1
54	Hose hydraulic motor Long ECHF	743005	1	
55	Hose hydraulic motor Short ECHF	743006	1	
56	Cylindrical pin CPK ø10x28	6000002	2	
57	Valve plate ECHF	1026199	1	
58	Valve bl. & Swivl for slipring Compl.	1027386	1	
59	Washer GBR06 3/8	710703	2	
60	Adapter 136-06-06 (3/8")	710106	1	
61	Washer NL 8mm	611040	3	
62	Screw MC6S M8x50 12.9	610439	3	
63	Kit slip ring ECHF DTM	1030298	1	For QS. See "Slip rings"
64	Cover plate slip ring	1026200	1	
65	Screw MC6S M5x10 12.9	610594	4	
66	O-ring 6,07x1,78	712422	2	
67	O-ring 12,42x1,78	710973	4	
68	O-ring 15,6x1,78	710912	1	
69	Connection block ECHF	1028391	1	Guide with spring pin from swivel

POS in order of assembly

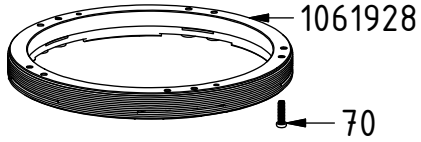
Parts history on p.5

EC214 - Rotator frame

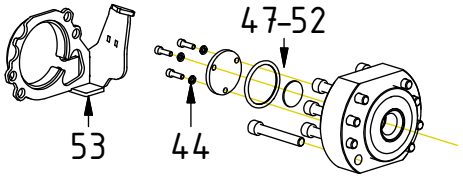
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RELATED SPARE PARTS

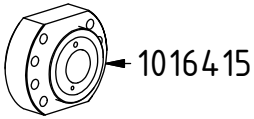
Replaced from 2024-10:

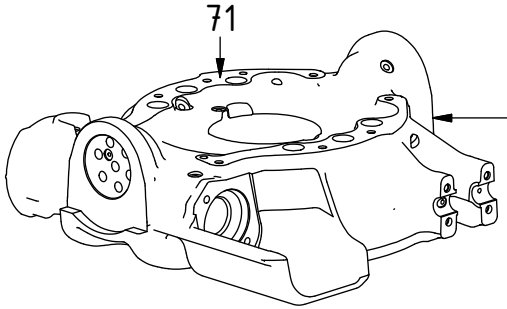


Used on QSM until 2022-04:



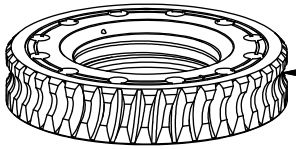
Replaced by POS.47 from 2022-01:





Replaced from
2021-07:
1044800
2019-10:
1025822

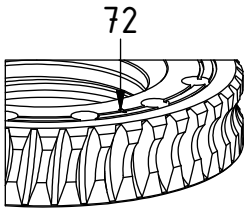
Replaced from 2018-10:

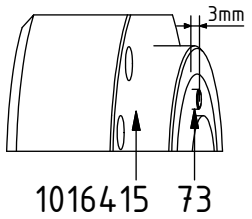


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22	Screw TX45 8x25 10,9 FZB	1078840	10	Torque: 34Nm Tighten in cross pattern
44	Washer NL 6mm	611039	2	
47	End lock EC209/EC214/EC219	1016557	1	
48	Screw MC6S M12x80 12.9 ZFSHL	6000148	8	Torque: 136Nm
49	Spacer Plate	1065370	1	
50	O-ring 27x5	7000485	1	
51	Cover end lock	1041613	1	
52	Screw MC6S M6x20 A4-80	611513	3	
53	Protection ePS	1033565	1	For ePS1
70	Screw TX45 8x30 10,9 FZB	612201	10	Torque: 34Nm. Used with 1061928
71	Old serial number locations			Current location found on p.2
72	MACS Magnet 8x5x3	6000047	1	
73	MACS Inductive sensor M8 PNP	1043698	1	Distance 3mm. Nut torque: 3Nm
74	MACS Inductive sensor M8-M12	1028045	1	Replaced by POS.73 from 2017-08 Distance 4mm. Nut torque: 3Nm
75	MACS previous pipe plug location			

POS in order of assembly

MACS:





(Replaces 1028628)

