

EC20 Main Components

Published: 2015-06-04

Drawing No: 403914/L

COVERSHEET

Discontinued model/configuration, exploded view will receive no updates.

Notable regarding spare parts:

End lock 300032 is only for Marine EC, for standard EC use 1014716.

Lube free yoke is 1017151, new bushing 631001 included. Old yoke 300039K has 630402 & 711403 included.

Motor cover POS.1 only fits original motor, if changed to 300cc use cover 1026793.

Cylinder POS.3 was used until 2008-03. 303385 has cast waist.

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From 2004.11.02

(with some exceptions around breakpoint)

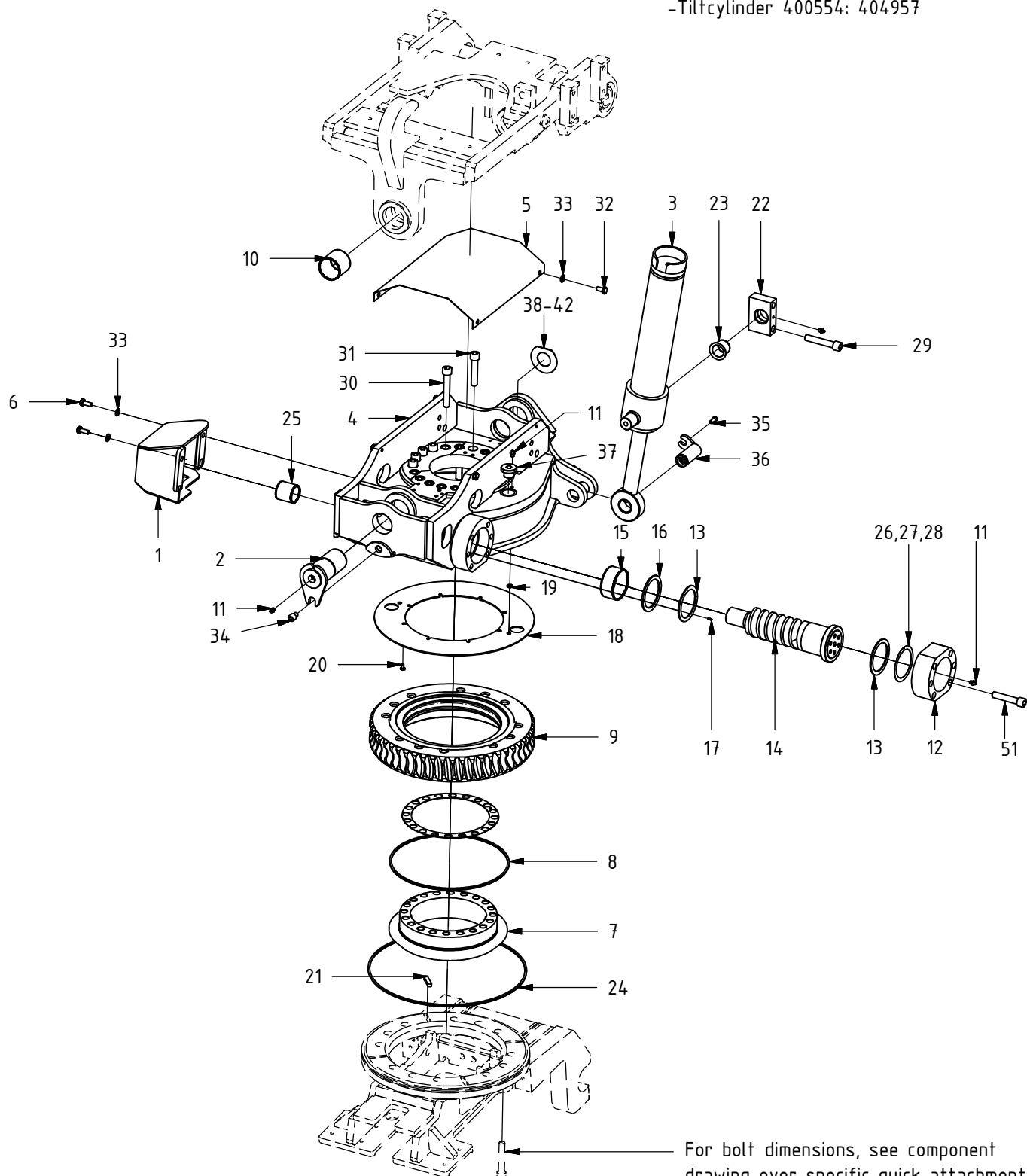
For component drawings of:

-EC20 Main (00.01-04.11): 1000975

-Hydraulic System: 403728

-Electrical System: 403762

-Tiltcylinder 400554: 404957



For bolt dimensions, see component drawing over specific quick attachment or contact engcon

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POS	DESCRIPTION	PART	QTY	COMMENTS	
1	Motor Prot. EC20 & 30	100010	1		
2	Tiltaxle 20	302830	2	Replacing 300036 from 05-10-03	
3	Tiltcylinder 20	400554	2	Component drawing: 404957	
4	EC20 housing	101277	1		
5	Lid	300118	1		
6	Hex Head Screw 10 x 25	610142	4		
7	Centre Ring 20	302807	1	Replacing 300332 from 05-01-01 - mounted with shims	
	Centre Ring 20	300332	1	Replaced by 302807 from 05-01-01 - no shims	
8	O-ring 319,3x5,7	710908	1		
9	Worm Gear	300863	1		
10	Bushing 60/65x60	630301	2		
11	Grease Nipple	711403	14	R1/8" Straight	
12	End Lid	300032	1		
13	Axial Washer	300031	2		
14	Worm Screw	300030	1		
15	Bushing 80/85x40	630103	1		
16	Supportring	650301	1		
17	Pin	650201	2		
18	Wear Washer 20	400310	1		
19	O-ring	710910	1		
20	Hex Head Screw 6 x 12	610108	8		
21	Feather Key	650102	4		
22	Yoke Attachment	300039K	4		
23	Bushing 35/39/50x35	630402	4		
24	O-ring	710909	1		
25	Bushing WB802 45/50x50	630102	1		
26	Shims Worm Screw	650513	-	0,1 mm	
27	Shims Worm Screw	650514	-	0,2 mm	
28	Shims Worm Screw	650515	-	0,3 mm	
29	Socket Head Screw 16 x 90	610530	8		
30	Socket Head Screw 16 x 100	610532	10		
31	Socket Head Screw 16 x 80	610528	10		
32	Hex Head Screw 10 x 20	610141	4		
33	Flat Washer	611006	8		
34	Socket Head Screw 12 x 16	610470	2	12.9 Untreated ISO 4762 - Changed from 05-10-03	
35	Socket Head Screw 8 x 16	610432	2	12.9 Untreated ISO 4762 - Changed from 05-10-03	
36	Cylinderaxle EC20	302853	2	Replacing 300033 from 05-10-03	
37	Plug	650404	2	RP M36x2	
38	Tiltaxle Shims	650501	-	0,5 mm	
39	Tiltaxle Shims	650502	-	1 mm	
40	Tiltaxle Shims	400854	-	3 mm	
41	Tiltaxle Shims	400867	-	4 mm	
42	Tiltaxle Shims	400868	-	5 mm	
43	Centre Ring Shims	201365	-	1,0 mm	
44	Centre Ring Shims	201405	-	0,8 mm	
45	Centre Ring Shims	201406	-	0,9 mm	
46	Centre Ring Shims	201407	-	1,1 mm	
47	Centre Ring Shims	201793	-	0,6 mm	
48	Centre Ring Shims	202054	-	0,2 mm	
49	Centre Ring Shims	202055	-	0,4 mm	
50	Centre Ring Shims	202056	-	0,5 mm	
51	Socket Head Screw 16 x 80	610528	6	12.9 Untreated ISO 4762	