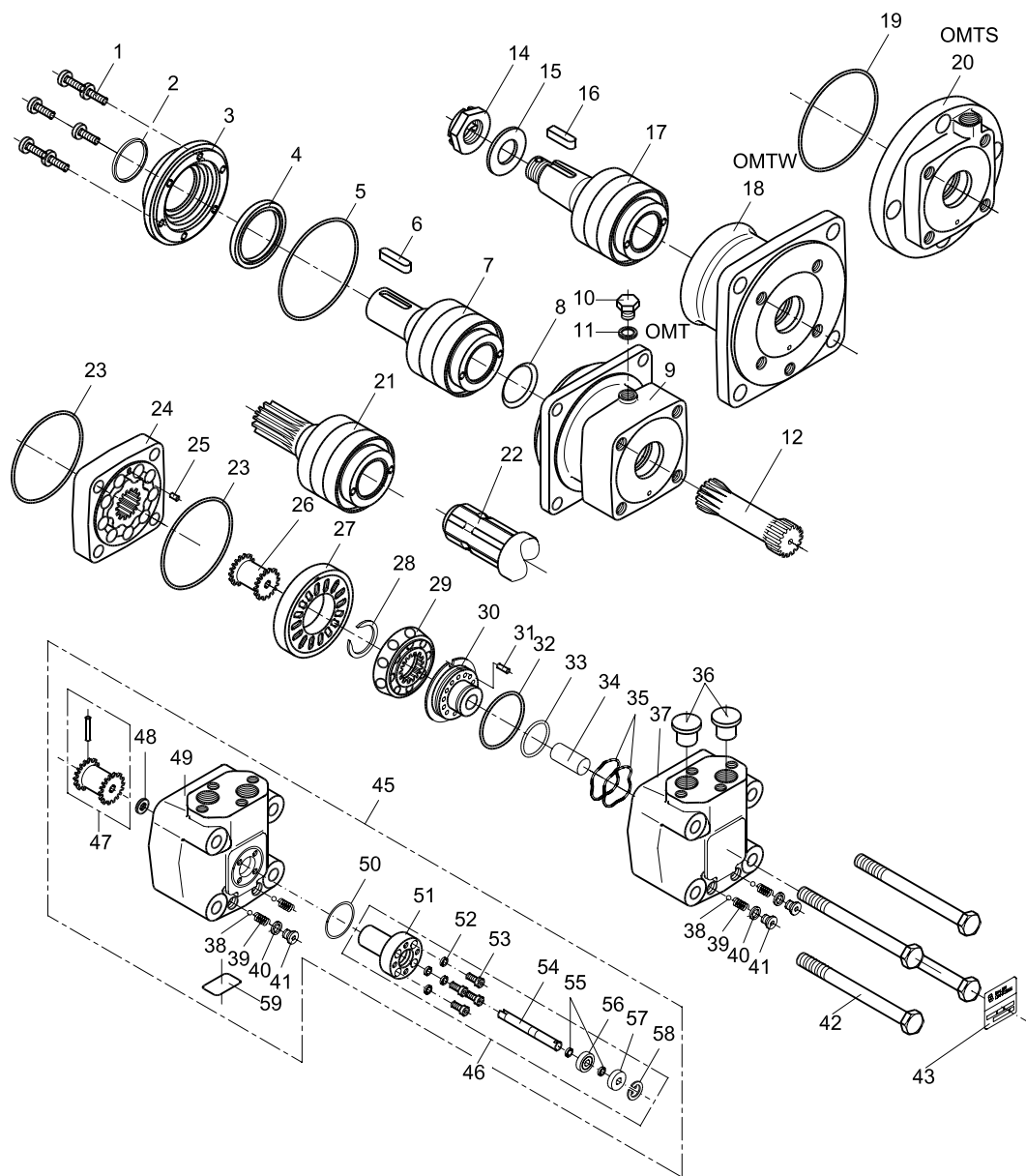


EXPLODED VIEW OMT SERIES 2



Tightening torque: 

151-1333.11

Item 1	22 - 26 N·m [194 - 230 lbf·in]
Item 10:	30 - 60 N·m [265 - 531 lbf·in]
Item 41:	10 - 15 N·m [88 - 132 lbf·in]
Item 42:	135 - 145 N·m [1195 - 1283 lbf·in]
Item 53:	4 - 6 N·m [35 - 53 lbf·in]

SPARE PARTS LIST

Item	Spare parts	Stock per 100 motors**		
		Number per motor		
		Code No.		
1	Screw M8; l = 25 mm [0.98 in]	681X0287	6	25
2	Dust seal ring 45 • 52 • 4 mm [1.77 • 2.05 • 0.16 in]	633B3202	1	*
3	Front cover OMT series 2.1	151B1490	1	3
	OMT series 2	151B1506	1	3
4	Shaft seal 45 • 65 • 7 mm [1.77 • 2.16 • 0.27 in] NBR	633B3201	1	*
	45 • 65 • 7 mm [1.77 • 2.16 • 0.27 in] FPM	633B3199	1	*
5	O-ring 90 • 2 mm [3.54 • 0.08 in]	633B1301	1	*
6	<u>Parallel key</u> Metric: 12 • 8 • 70 mm SAE: $\frac{3}{8}$ • $\frac{3}{8}$ • 2 $\frac{1}{4}$ in, BS 46	682L8014	1	5
		682L8045	1	5
7	<u>Cylindrical shaft</u> Metric: Ø40 mm OMT/OMTW incl. bearings and parallel key series 2.1	151B0177	1	2
	Ø40 mm OMT/OMTW incl. bearings and parallel key series 2	151B0101	1	2
	SAE: Ø1 $\frac{1}{2}$ in OMT/OMTW incl. bearings and parallel key series 2.1	151B0182	1	2
	Ø1 $\frac{1}{2}$ in OMT/OMTW incl. bearings and parallel key series 2	151B0145	1	2
8	Conical seal ring	633B9022	1	*
9	<u>Bearing housing</u> Metric: OMT series 2.1 OMT series 2 SAE: OMT series 2.1 OMT series 2	151B1960	1	2
		151B1500	1	2
		151B1961	1	2
		151B1626	1	2
10	<u>Drain plug</u> Metric: $\frac{1}{4}$ BSPF steel SAE: $\frac{9}{16}$ - 18 UNF, incl O-ring	151-1524	1	5
		631X2044	1	5
11	Washer, metric version only 17.5 • 13.5 • 1.5 mm [0.69 • 0.53 • 0.06 in]	684X2120	1	5
12	<u>Cardan shaft</u> OMT/OMTW/OMTS 160 l = 104 mm [4.09 in] OMT/OMTW/OMTS 200 l = 108 mm [4.25 in] OMT/OMTW/OMTS 250 l = 114 mm [4.48 in] OMT/OMTW/OMTS 315 l = 124 mm [4.88 in] OMT/OMTW/OMTS 400 l = 134.5 mm [5.30 in] OMT/OMTW/OMTS 500 l = 148.5 mm [5.85 in]	151B1346	1	3
		151B1347	1	3
		151B1348	1	3
		151B1655	1	3
		151B1657	1	3
		151B1537	1	3
14	<u>Castellated nut</u> Metric: M 30 • 2 mm SAE: 1 $\frac{1}{4}$ - 18 UNEF	681X8204	1	5
		681X8290	1	5
15	Washer, metric version only 31 • 56 • 4 mm [1.22 • 2.20 • 1.56 in]	684X2532	1	5
16	<u>Parallel key</u> Metric: 12 • 8 • 28 mm SAE: $\frac{7}{16}$ • $\frac{7}{16}$ • 1 $\frac{1}{4}$ in, BS 46	682L8017	1	5
		682L8046	1	5
17	<u>Tapered shaft</u> Metric: Ø45 mm OMT/OMTW series 2.1 incl. bearings and item 14, 15, 16 series 2 SAE: Ø1 $\frac{3}{4}$ in OMT/OMTW series 2.1 incl. bearings and items 14, 16 series 2	151B0178	1	2
		151B0108		
		151B0181	1	2
		151B0140		
18	<u>Bearing housing</u> Metric: OMTW series 2.1 OMTW series 2 SAE: OMTW series 2.1 OMTW series 2	151B1955	1	2
		151B1502	1	2
		151B1961	1	2
		151B1628	1	2
19	O-ring OMTS 125 • 3 mm [4.92 • 0.12 in] NBR	633B1484	1	*
20	<u>Mounting flange OMTS</u> Metric: SAE:	151B1504	1	2
		151B1629	1	2

SPARE PARTS LIST

Item	Spare parts	Stock per 100 motors**		
		Number per motor		
		Code No.		
21	<u>Splined shaft</u>			
	Metric: Ø38.1 mm incl. bearings series 2.1	151B0179	1	2
	Ø38.1 mm incl. bearings series 2	151B0110	1	2
	SAE: Ø1 1/2 in incl. bearings series 2.1	151B0183	1	2
	Ø1 1/2 in incl. bearings series 2	151B0149	1	2
22	<u>P.t.o. shaft</u>			
	Metric: incl. bearings series 2.1	151B0180	1	2
	SAE: incl. bearings series 2	151B0128	1	2
23	O-ring 96 • 3 mm [3.77 • 0.12 in] NBR	633B1366	2	*
24	<u>Gearwheel set</u>			
	OMT/OMTW/OMTS 160 W = 20 mm [0.79 in]	151B1033	1	5
	OMT/OMTW/OMTS 200 W = 25 mm [0.10 in]	151B1034	1	5
	OMT/OMTW/OMTS 250 W = 31 mm [1.22 in]	151B1035	1	5
	OMT/OMTW/OMTS 315 W = 40 mm [1.57 in]	151B1037	1	5
	OMT/OMTW/OMTS 400 W = 51 mm [2.00 in]	151B1088	1	5
	OMT/OMTW/OMTS 500 W = 65 mm [2.56 in]	151B1062	1	5
25	Guide pin Ø4, l = 10 mm [0.39 in]	682L2006	1	5
26	Valve drive	151B1309	1	5
27	Channel plate	151B1043	1	5
28	Stop ring for OMTS 315, 400 and 500	151B1539	1	5
29	Disc valve	151B1072	1	5
30	Balance plate a)	151B1483	1	5
31	Guide pin Ø5, l = 14 mm [0.55 in] a)	682L9105	1	5
32	<u>O-ring</u>			
	63 • 2 mm, NBR [2.48 • 0.08 in]	633B1365	1	*
	60 • 2 mm, FPM [2.36 • 0.08 in]	633B1394	1	*
33	<u>O-ring</u>			
	40 • 2 mm, NBR [1.57 • 0.08 in]	633B1378	1	*
	40 • 2 mm, FPM [1.57 • 0.08 in]	633B1454	1	*
34	Spacer	151B1311	1	2
35	Spring washer 33 • 39.1 • 0.5 mm [1.30 • 1.54 • 0.02 in] a)	684X0087	2	10
36	Seal plug (plastic)			
	Metric 633X0071	2	25	
	SAE 633X7027	2	25	
37	Valve housing			
	Metric a) 151B1660	1	2	
	SAE a) 151B1715	1	2	
38	Ball Ø1/4 in	689X1015	2	5
39	Spring	013-0662	2	5
40	Washer 13.9 • 10.2 • 1 mm [0.54 • 0.40 • 0.04 in]	684X2564	2	5
41	Plug 1/8 BSPF	631X2053	2	5
42	<u>Screw M14</u>			
	OMT/OMTW/OMTS 160/200 l = 120 mm [4.72 in]	681X1118	4	12
	OMT/OMTW/OMTS 250 l = 130 mm [5.12 in]	681X1120	4	12
	OMT/OMTW/OMTS 315 l = 140 mm [5.51 in]	681X1123	4	12
	OMT/OMTW/OMTS 400 l = 150 mm [5.90 in]	681X1127	4	12
	OMT/OMTW/OMTS 500 l = 160 mm [6.30 in]	681X1411	4	12
43	Name plate (aluminium)	151A0407	1	15
	Name plate (brass) OMT/OMTW/OMTS	151A0408	1	15
45	Valve housing with tacho connection and valve drive, metric version only a)	151B0132	1	2

SPARE PARTS LIST

Item	Spare parts	Stock per 100 motors**		
		Code No.	Number per motor	
46	Tacho connection	151B1029	1	3
47	Valve drive incl. guide pin	151B1030	1	2
48	Spacer ring	151B1450	1	2
49	Tacho valve housing a)	151B1662	1	1
50	O-ring 40 • 2 mm, NBR [1.57 • 0.08 in]	633B1378	1	10
51	Tacho bearing housing a)	151B1442	1	1
52	Washer 5.6 • 8.5 • 1 mm [0.22 • 0.33 • 0.04 in]	684X2012	4	16
53	Screw M5 l = 15 mm [0.59 in]	681X1880	4	16
54	Tacho drive shaft	151B1443	1	1
55	Retaining ring 6.0 • 0.7 DIN 6799	682L4922	2	10
56	Bearing 8 • 22 • 7 mm [0.31 • 0.87 • 0.27 in]	981X1020	1	2
57	Shaft seal 8 • 22 • 6.5 mm [0.31 • 0.87 • 0.25 in]	633B3175	1	5
58	Retaining ring 22 • 1 DIN 472	682L4008	1	2
59	Name plate (aluminium) for OMT/OMTW/OMTS with tacho connection	151A0409	1	15
A	Set of seals NBR OMT, OMTW item 2, 4, 5, 8, 23, 32 and 33	151B0113	1	10
B	Set of seals NBR OMT, OMTW, OMTS item 4, 32 and 33	151B0115	1	10
C	Set of seals FPM OMT, OMTW, OMTS item 8, 19, 23, 32 and 33	151B0114	1	10
D	Set of seals NBR OMTS item 8 and 19	151B1040	1	10

NBR: (Buna N, Perbunan), FPM (Viton)

* Contained in spare parts bag A, B, C or D

** The number of spare parts to be held in stock for each 100 motors being in service in your district.