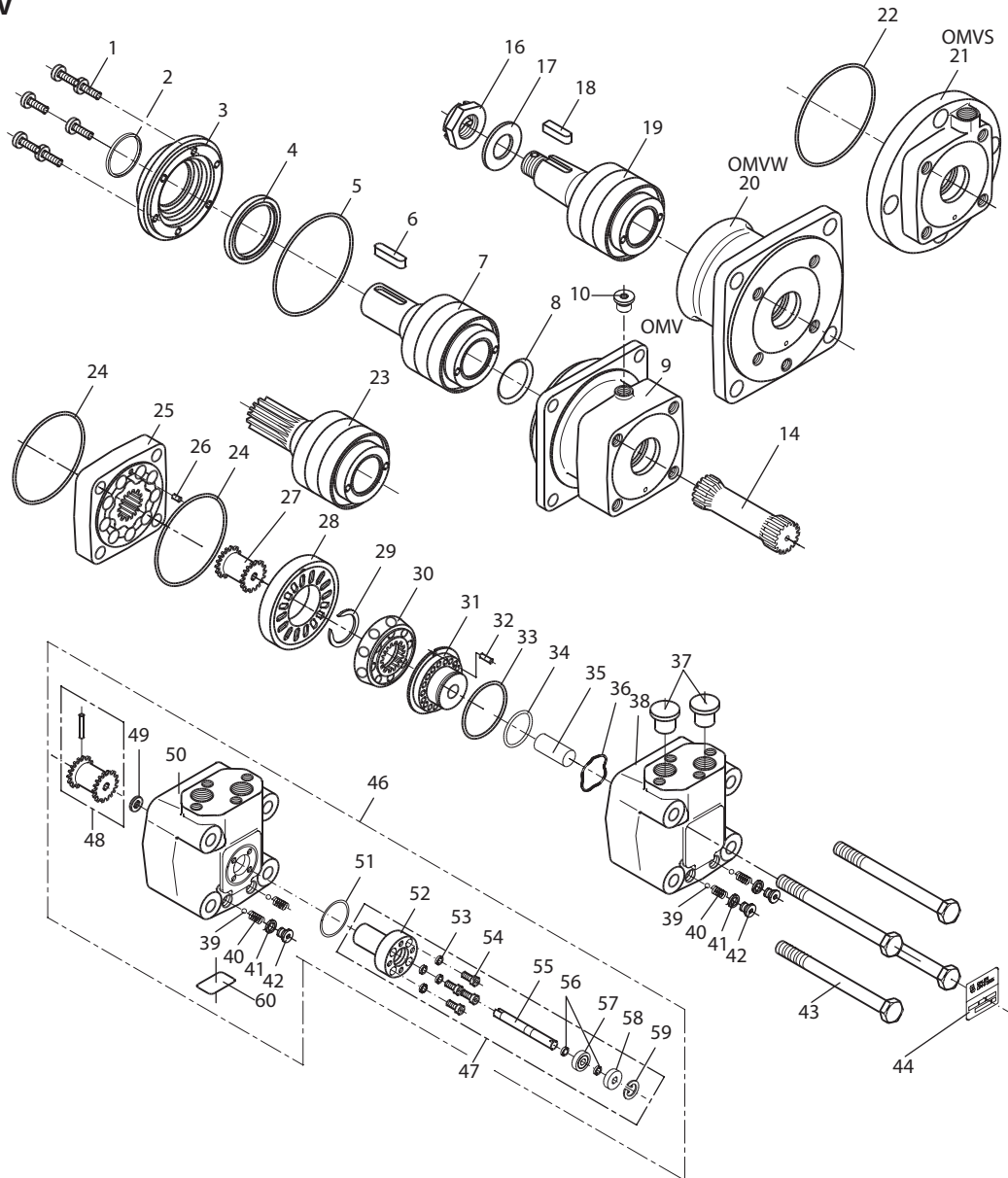


**Exploded View OMV
Series 2**



P301 249

Tightening torque: 

Item 1	30 - 40 N·m [270 - 354 lbf·in]
Item 10:	30 - 60 N·m [270 - 530 lbf·in]
Item 42:	10 - 15 N·m [90 - 130 lbf·in]
Item 43:	190 - 210 N·m [1680 - 1860 lbf·in]
Item 54:	4 - 6 N·m [35 - 53 lbf·in]

Spare Parts List

Item	Spare parts	Number per motor	
		Code No	
1	Screw	M8; l = 20 mm [0.79 in] standard mounting b)	681X0288 6
		M8; l = 25 mm [1.0 in] b)	681X0287 6
		M6; l = 20 mm [0.79 in] SAE C mounting	681X1521 8
2	Dust seal ring	60 • 67 • 4 mm [2.36 • 2.64 • 0.16 in]	633B3205 1
3	Front cover	standard mounting b)	11029816 1
		SAE C mounting	151B1773 1
4	Shaft seal	80 • 60 • 7 mm [3.15 • 2.36 • 0.27 in] NBR	633B3203 1
		80 • 60 • 7 mm [3.15 • 2.36 • 0.27 in] FPM	633B3204 1
5	O-ring	112 • 3 mm [4.41 • 0.12 in] standard mounting	633B1380 1
		96 • 2 mm [3.78 • 0.08 in] SAE C mounting	633B0121 1
6	Parallel key	Metric 14 • 9 • 70 mm	682L8015 1
		SAE: 1/2 • 1/2 • 21/4 in, standard mounting	682L8047 1
		SAE: 1/2 • 1/2 • 2 1/2 in, SAE C mounting	682L9044 1
7	Cylindrical shaft	Metric: Ø50 mm OMV/OMVW incl. bearings and parallel key	151B0102 1
		SAE: Ø21/4 in OMV/OMVW incl. bearings and parallel key	151B0165 1
		Standard mounting SAE C mounting	151B0147 1
8	Conical seal ring		633B9021 1
9	Bearing housing	Metric:	151B1678 1
		SAE: standard mounting:	151B1700 1
		SAE: SAE C mounting	151B1771 1
10	Drain plug	Metric: 1/4 BSPF steel, incl O-ring	631X9926 1
		SAE: 9/16 - 18 UNF, incl O-ring	631X9925 1
14	Cardan shaft	OMV/OMVW/OMVS 315 l = 115 mm [4.53 in]	151B1406 1
		OMV/OMVW/OMVS 400 l = 122 mm [4.80 in]	151B1407 1
		OMV/OMVW/OMVS 500 l = 130 mm [5.12 in]	151B1408 1
		OMV/OMVW/OMVS 630 l = 141 mm [5.55 in]	151B1686 1
		OMV/OMVW/OMVS 800 l = 155 mm [6.10 in]	151B1692 1
16	Castellated nut	Metric: M 42 • 3 mm [1.65 • 0.12 in]	681X8208 1
		SAE: 11/2 - 18 UNEF	681X8291 1
17	Washer, metric version only	43 • 78 • 7 mm [1.69 • 3.07 • 0.28 in]	684X1089 1
18	Parallel key	Metric: 16 • 10 • 32 mm [0.63 • 0.39 • 1.26 in]	682L8020 1
		SAE: 9/16 • 9/16 • 2 in	682L8048 1
19	Tapered shaft	Metric: Ø60 mm OMV/OMVW incl. bearings and item 16, 17, 18	151B0109 1
		SAE: Ø2 1/4 in OMV/OMVW incl. bearings and item 16, 18	151B0160 1
20	Bearing housing	Metric: OMVW	151B1680 1
		SAE: OMVW	151B1701 1
21	Mounting flange	Metric: OMVS	151B1682 1
		SAE: OMVS	151B1702 1
22	O-ring OMVS	140 • 3 mm [5.51 • 0.12 in] NBR	633B1485 1
23	Splined shaft	Metric: Ø54 mm [2.13 in] OMV/OMVW incl. bearings	151B0111 1
		SAE: 21/8 in OMV/OMVW incl. bearings standard mounting	151B0169 1
		SAE C mounting	151B0148 1
24	O-ring	112 • 3 mm [3.77 • 0.12 in] NBR	633B1380 2
25	Gearwheel set	OMV/OMVW/OMVS 315 W = 25 mm [0.10 in]	151B1100 1
		OMV/OMVW/OMVS 400 W = 32 mm [1.56 in]	151B1101 1
		OMV/OMVW/OMVS 500 W = 40 mm [1.57 in]	151B1102 1
		OMV/OMVW/OMVS 630 W = 51 mm [2.01 in]	151B1103 1
		OMV/OMVW/OMVS 800 W = 65 mm [2.56 in]	151B1104 1

Spare Parts List

Item	Spare parts	Number per motor	
		Code No	
26	Guide pin $\varnothing 4, l = 10 \text{ mm}$ [0.39 in]	682L2006	1
27	Valve drive	151B1389	1
28	Channel plate	151B1050	1
29	Stop ring for OMVS 630 and 800	151B1672	1
30	Disc valve	151B1049	1
31	Balance plate a)	151B1485	1
32	Guide pin $\varnothing 5, l = 14 \text{ mm}$ [0.55 in] a)	682L9105	1
33	O-ring $70 \cdot 2 \text{ mm}$, NBR [2.76 $\cdot$ 0.08 in]	633B1379	1
		633B1456	1
34	O-ring $45 \cdot 2 \text{ mm}$, NBR [1.77 $\cdot$ 0.08 in]	633B1429	1
		633B1455	1
35	Spacer	151B1391	1
36	Spring washer $37 \cdot 45 \cdot 0.5 \text{ mm}$ [1.46 $\cdot$ 1.77 $\cdot$ 0.02 in] a)	684X0086	1
37	Seal plug (plastic)	Metric 633X0069	2
		SAE 633X0064	2
38	Valve housing	Metric a) 151B1705	1
		SAE a) 151B1706	1
39	Ball $\varnothing 1/4 \text{ in}$	689X1015	2
40	Spring	013-0662	2
41	Washer $13.9 \cdot 10.2 \cdot 1 \text{ mm}$ [0.54 $\cdot$ 0.40 $\cdot$ 0.04 in]	684X2564	2
42	Plug 1/8 BSP.F	631X2053	2
43	OMV/OMVW/OMVS 315 $l = 150 \text{ mm}$ [5.91 in]	681X1883	4
	OMV/OMVW/OMVS 400 $l = 150 \text{ mm}$ [5.91 in]	681X1883	4
	OMV/OMVW/OMVS 500 $l = 160 \text{ mm}$ [6.30 in]	681X1884	4
	OMV/OMVW/OMVS 630 $l = 160 \text{ mm}$ [6.30 in]	681X1884	4
	OMV/OMVW/OMVS 800 $l = 180 \text{ mm}$ [7.09 in]	681X1006	4
44	Name plate OMV/OMVW/OMVS		1
46	Valve housing with tacho connection and valve drive, metric version only	151B0139	1
47	Tacho connection	151B1031	1
48	Valve drive incl. guide pin	151B1032	1
49	Spacer ring	151B1450	1
50	Tacho valve housing	151B1704	1
51	O-ring $40 \cdot 2 \text{ mm}$ [1.57 $\cdot$ 0.08 in] NBR	633B1378	1
52	Tacho bearing housing	151B1452	1
53	Washer $8.5 \cdot 5.6 \cdot 1 \text{ mm}$ [0.33 $\cdot$ 0.22 $\cdot$ 0.04 in]	684X2012	4
54	Screw M5 $l = 15 \text{ mm}$ [0.59 in]	681X1880	4
55	Tacho drive shaft	151B1453	1
56	Retaining ring $6.0 \cdot 0.7$ [0.24 $\cdot$ 0.03 in] DIN 6799	682L4922	2
57	Bearing $8 \cdot 22 \cdot 7 \text{ mm}$ [0.31 $\cdot$ 0.87 $\cdot$ 0.27 in]	981X1020	1
58	Shaft seal $8 \cdot 22 \cdot 6.5 \text{ mm}$ [0.31 $\cdot$ 0.87 $\cdot$ 0.25 in]	633B3175	1
59	Retaining ring $22 \cdot 1$ DIN 472	682L4008	1
60	Name plate (aluminium) for OMV/OMVW/OMVS with tacho connection	151A0409	1
A	Set of seals NBR OMV, OMVW, OMVS item 8, 22, 24, 33 and 34	151B0125	1
B	Set of seals NBR OMV, OMVW, item 2, 4, 5, 8, 24, 33 and 34	151B0129	1
C	Set of seals FPM OMV, OMVW, OMVS item 4, 33 and 34	151B0127	1
D	Set of seals NBR OMVS item 8 and 22	151B1041	1

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

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