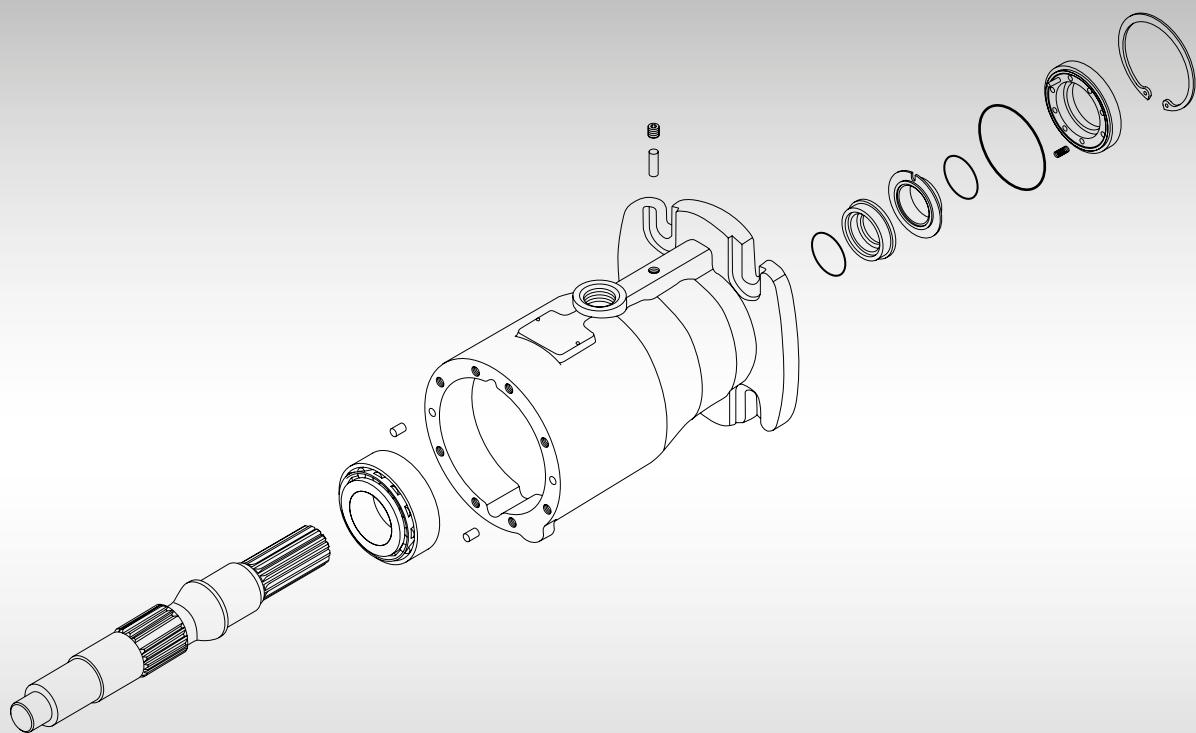


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Quick Reference Parts Manual

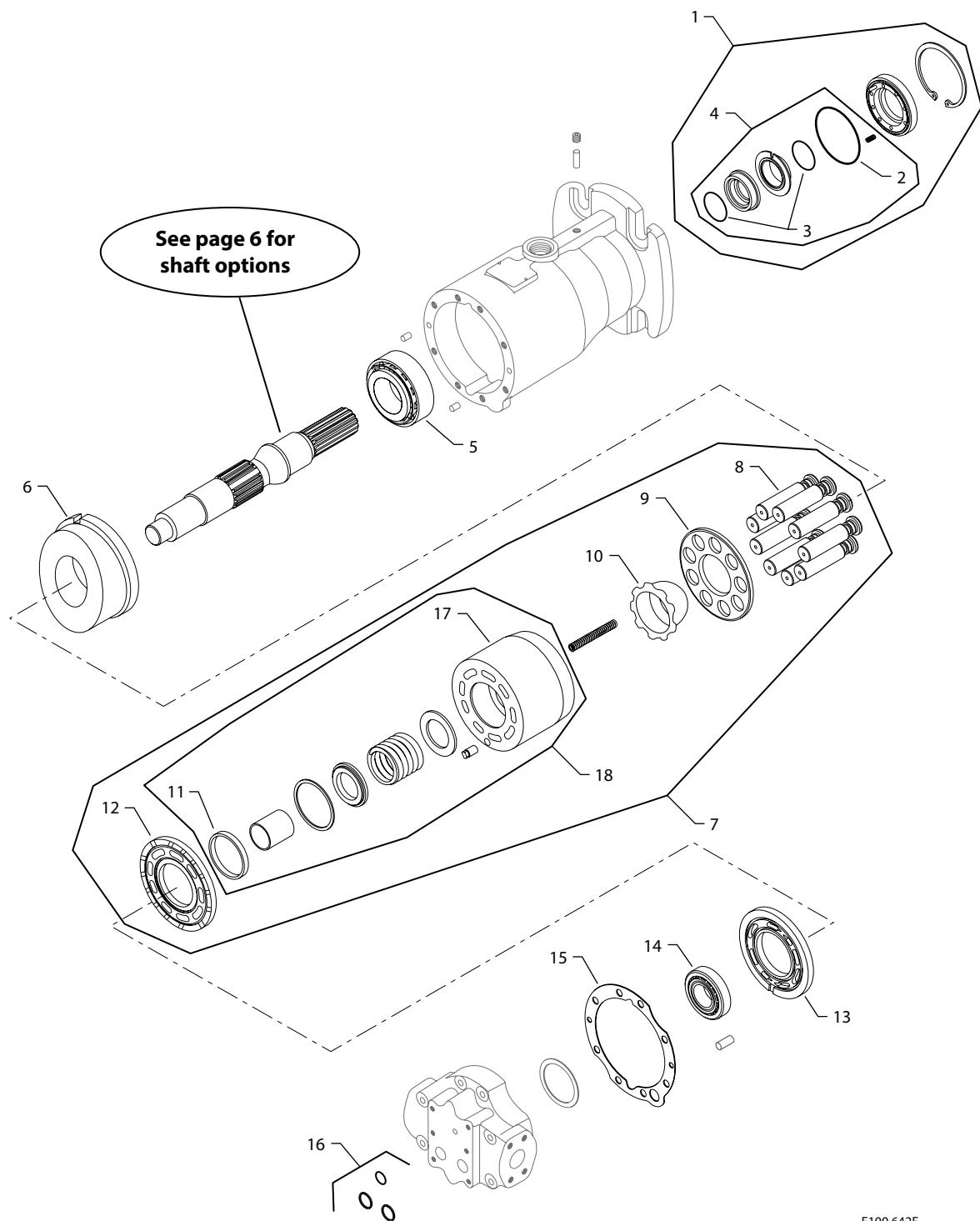
# Fixed Displacement Motor Series 20, 20 thru 27 series



**Exploded view drawing**

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**Service parts**

<b>Item #</b>	<b>Description</b>	<b>SMF2/033 (20)</b>	<b>SMF2/052 (21)</b>	<b>SMF2/070 (22)</b>	<b>SMF2/089 (23)</b>
	Overhaul seal kit	9510225	9510228	9510231	9510234
1	Shaft seal kit	050088	050088	050088	050302
2	O-ring	056788 (9004100-2340)	056788 (9004100-2340)	056788 (9004100-2340)	000984 (9004100-2380)
3	O-ring	008821 (9004104-1290)	008821 (9004104-1290)	008821 (9004104-1290)	008979 (9004104-1360)
4	Seal kit	9510022	9510022	9510022	9510021
5	Front bearing kit	050575 (9510251)	050575 (9510251)	050625 (9510256)	050658 (9510259)
6	Swashplate, 18°	512503	512504	508383	512505
7	Cylinder block kit	510149	593251	596890	9230973
8	Piston kit, set of 3	711291 (not a kit of 3)	9510408-0010	9510408-0001	9510408-0002
8	Remanufactured	711291	R9510408-0010	R9510408-0001	R9510408-0002
9	Slipper retainer	9200158	003210 (9210292)	003707 (9220628)	004176 (9230234)
10	Slipper ret. guide	J9200124	003160 (9210219)	9220500	9230158
11	Pilot ring	002709	010678	013862	004325
12	Bearing plate	002733	585885	585893	561670
13	Valve plate	002907	003384	003905	004358
14	Rear bearing kit	050567 (9510250)	050591 (9510253)	050617 (9510255)	050641 (9510258)
15	End cap gasket	9200088	9210204	9220425	9231081
16	Manifold O-ring kit	9510049	9510049	9510049	9510049
17	Cylinder block	049155	049163	014878	014910
17	Remanufactured	n/a	R9210576	R9221102	R9230651
18	Cylinder block assy	n/a	n/a	11077853	520087/P

<b>Item #</b>	<b>Description</b>	<b>SMF2/119 (24)</b>	<b>SMF2/166 (25)</b>	<b>SMF2/227 (26)</b>	<b>SMF2/334 (27)</b>
	Overhaul seal kit	9510237	9510240	9510317	9510243
1	Shaft seal kit	050302	050302	058537	050534
2	O-ring	000984 (9004100-2380)	000984 (9004100-2380)	049718 (9004100-2420)	000992 (9004100-2430)
3	O-ring	008979 (9004104-1360)	008979 (9004104-1360)	680892 (9004104-1440)	012187 (9004104-1490)
4	Seal kit	9510021	9510021	n/a	n/a
5	Front bearing kit	050658 (9510259)	9510264	9510267	050732 (9510270)
6	Swashplate, 18°	9240142	9250646	9260150	9270483
7	Cylinder block kit	9240641	634923	9260369	9270658
8	Piston kit, set of 3	9510408-0004	9510408-0005	9510408-0006	9510408-0009
8	Remanufactured	R9510408-0004	R9510408-0005	R9510408-0006	R9510408-0009
9	Slipper retainer	9240125	9250170	9260072	9270486
10	Slipper ret. guide	9240097	005090	046243	005587
11	Pilot ring	702381	634907	634915	634899
12	Bearing plate	9240560	585901	9260321	585927
13	Valve plate	9240279	9250629	651844	9270655
14	Rear bearing kit	050674 (9510261)	050690 (9510263)	055434 (9510266)	050724 (9510386)
15	End cap gasket	9240549	9250587	9260144	9270710
16	Manifold O-ring kit	9510049	9510049	9510049	9510049
17	Cylinder block	049171	073585	073619	071183
17	Remanufactured	R9240394	R9250470	R9260231	R9270495

**Drive shaft**

	<b>Part Number</b>	<b>Description</b>
<b>SMF2/033 (20 series)</b>	78865	14 tooth spline
	708404	20 tooth spline
	2873	21 tooth spline with .335" drilled hole
	708412	Straight key, 3/8-24 UNF-2B threaded hole
	9003261-3132	Key, 5/16 x5/16 x 2 1/2
<b>SMF2/052 (21 series)</b>	9210468	14 tooth spline
	9210708	21 tooth spline, 3/8-24 UNF-2B threaded hole
	9210547	Straight key, 3/8-24 UNF-2B threaded hole
	9003261-3132	Key, 5/16 x5/16 x 2 1/2
<b>SMF2/070 (22 series)</b>	9220976	14 tooth spline
	9220516	19 tooth spline
	9220530	20 tooth spline, 3/8-24 UNF-2B threaded hole
	9220399	21 tooth spline
	9221094	Straight key, 3/8-24 UNF-2B threaded hole
	9003261-3132	Key, 5/16 x5/16 x 2 1/2
<b>SMF2/089 (23 series)</b>	9230476	14 tooth spline
	014985	21 tooth spline
	9230173	23 tooth spline, 3/8-24 UNF-2B threaded hole
	688481	23 tooth spline, special spline length - 1.69"
	9230147	27 tooth spline with 3/8-24 UNF-2B threaded hole
	9230626	Straight key with 3/8-24 UNF-2B threaded hole, gear charge pump
	9003261-3132	Key, 3/8 x 3/8 x 2 1/2
<b>SMF2/119 (24 series)</b>	9240216	13 tooth spline
	9240232	27 tooth spline, 1/2-20 UNF-2B threaded hole
	039982	Straight key, 1/2-20 UNF-2B threaded hole
	9003261-3732	Key, 3/8 x 3/8 x 2 1/2
<b>SMF2/166 (25 series)</b>	9250379	13 tooth spline
	9250348	27 tooth spline, .465" drilled hole
	9250415	Straight key with 1/2-20 UNF-2B threaded hole
	9003261-3732	Key, 3/8 x 3/8 x 2 1/2
<b>SMF2/227 (26 series)</b>	9260151	13 tooth spline
	9260198	27 tooth spline, .465" drilled hole
	9260181	Straight key with 1/2-20 UNF-2B threaded hole
	9003261-5040	Key, 1/2 x 1/2 x3 1/2
<b>SMF2/334 (27 series)</b>	9270423	15 tooth spline
	9270148	40 tooth spline, .571" drilled hole
	561548	Straight key, 5/8-18 UNF-2B threaded hole
	9003261-6244	Key, 5/8 x 5/8 x4

**Notes**

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