

Exploded view diagram of a 100 cc engine assembly. The diagram shows the main engine block (1) with various components like the cylinder head (137), crankshaft (56), and pistons (25, 26) shown in their relative positions. A legend on the right specifies: 80 - 20W-50 OIL, 100 - SEALANT, 134 - SEALANT KIT. The diagram includes numerous numbered callouts for individual parts, such as 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150.

14566
339-2400R

ITEM #	PART #	QTY	DESCRIPTION
1	70627	1	KIT, HOUSING-MAIN
		1	HOUSING, MAIN
		2	CRADLE BEARING
		1	TRUNNION BUSHING
		1	SEAL, LIP 12 X 25 X 7
		1	SCREW, HFHC 1/4-28 X 7/8 (PATCH)
		1	WASHER .34 X .88 X .03
2	50890RM	1	LOWER HOUSING
3	70679	1	KIT, CENTER SECTION
		1	CENTER SECTION
		1	BUSHING .67 X 1.03 X .75
		1	PLATE, BYPASS
		3	SCREW, 3/8-24 X 2.5
		2	CHECK PLUG ASSEMBLY, .044
4	9008000-0128	1	LIP SEAL
5	2003018	1	SPACER
6	2003016	1	WIRE RETAINING RING
7	2003052	1	RETAINING RING
8	2003043	1	BALL BEARING
10	2003087	1	VARIABLE SWASHPLATE
11	50551	1	THRUST BEARING 30 X 52 X 13
12	50005	1	INPUT SHAFT
13	50891RM	1	COVER-BACK
14	2003014	1	SPRING, BLOCK
15	70331	1	10cc CYLINDER BLOCK ASS'Y
		1	10cc CYLINDER BLOCK
		5	10cc PISTON SPRING
		5	PISTON SEAT WASHER
		5	10cc PISTON
19	44130	1	WASHER
21	70082	1	21cc CYLINDER BLOCK ASS'Y
		1	21cc CYLINDER BLOCK
		7	21cc PISTON SPRING
		7	PISTON SEAT WASHER
		7	21cc PISTON
24	2003017	1	WASHER, BLOCK THRUST
25	50552	1	THRUST BEARING 42 X 68 X 16
26	50315	2	BALL BEARING
27	2000022	1	WIRE RETAINING RING
30	2000015	1	SLOT GUIDE
31	50807	1	TRUNNION ARM
33	9008000-0126	1	LIP SEAL
34	50749	1	CONTROL ARM
35	50317	2	NUT
36	50426	1	STUD - SHORT 5/16-24
37	50281	1	FRICTION PUCK
38	70680	1	KIT, BYPASS PLATE
39	2003555	1	BYPASS ACTUATOR
40	45074	1	LIP SEAL
41	50270	1	BYPASS ARM
42	44870	1	RETAINING RING
43	50002	2	PIN
44	50016	3	SCREW
46	50990	1	FILTER
49	51244	1	HEX LOCK NUT 1/2-20 (NYLON INSERT)
50	50752	21	SCREW, 1/4-20 X .75 LONG
51	50744	1	14T BEVEL GEAR
52	50745	1	19T BEVEL GEAR
53	50746	1	53T SPUR GEAR

ITEM #	PART #	QTY	DESCRIPTION
54	50757	1	MOTOR SHAFT
55	51298	1	BRAKE SHAFT
56	50748	1	AXLE SHAFT
58	51161	2	SEAL, LIP 17 X 40 X 7
60	50995	1	SEAL PLUG - SIDE
62	50759	1	RETAINING RING - AXLE
63	51109	1	RETAINING RING
64	50743	1	BEARING-BALL 20X47X14(6204)
65	50740	1	BEARING-BALL 25X47X12(6005)
66	50751	1	SEAL
67	50329	1	RETAINING RING
68	50760	2	RETAINING RING-AXLE
70	70391	1	LH, BRAKE ARM SERVICE ASSEMBLY
		1	BRAKE ARM
		1	CLEVIS PIN
		1	BUSHING .255 X .381 X .330
		1	SCREW, HFHC 1/4-28 X 7/8 (PATCH)
73	50754	1	BRAKE DISC
80		79oz	20W-50 OIL
81	51939	1	SPACER, AXLE 1.04 X 1.65 X .22
82	51940	1	SPACER, AXLE 1.04 X 1.65 X .70
100	50928	1	SEALANT
107	70314	1	HUB ASSEMBLY
		1	HUB
		4	LUG BOLT
108	50863	1	NUT, HEX 3/4-16
110	70110	1	FITTING O-RING ASSEMBLY
		1	PLASTIC HOSE FITTING
		1	O-RING .08 X .468
111	70921	1	CAP VENT ASSEMBLY
		1	CAP, PLASTIC
		1	VENT, PLASTIC
120	50302	1	PULLEY, 4.4
123	51576	1	SCREW, HFHC 1/4-28 X 7/8 (PATCH)
126	51316	2	RING, RETAINING
134	70553	1	KIT, SEAL
		1	SEAL, LIP 15 X 35 X 7
		1	RING, RETAINING 37 INT
		1	SEAL, LIP 12 X 25 X 7
		1	SEAL, LIP 10 X 25 X 7
		1	RING, RETAINING .31 EXT
		18	HFHCS 1/4-20 X .75
		1	SEAL PLUG
		1	RING, RETAINING .75 EXT
		1	RING, RETAINING .440 EXT
		1	SEAL, LIP 25 X 47 X 7
		1	RING, RETAINING 1.56 INT
		2	RING, RETAINING 1.87 INT
		2	RING, RETAINING 1.43
136	51365	1	FAN, 6", 10 BLADE
137	70591	1	KIT, FAN-PULLEY
		1	HFHCS 1/4-20 X .75
		1	FAN, 6", 10 BLADE
		1	HEX LOCK NUT 1/2-20 (NYLON INSERT)
		1	PULLEY 4.5 X 1.625
141	51575	1	WASHER .34 X .88 X .03
142	51813	1	WASHER .39 X 1.27 X .05
143	51774	1	BRAKE COVER, PLASTIC

