

This exploded view diagram illustrates the assembly of a hydro pump. The main components are shown in their relative positions, with dashed lines indicating the assembly path. Key parts include the pump housing (1), internal gears (46, 47, 48), and various shafts and bearings (e.g., 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). The diagram also shows the pump's mounting bracket (53) and the internal valve assembly (125, 126, 127, 136, 137, 138). The assembly is shown in a disassembled state to facilitate identification of individual parts.

11 - OIL, 20W-50
52 - KIT, SEAL
58 - SEALANT TUBE
140 - HUB PULLER (RECOMMENDED)

ZA-ACBB-2D2C-1DBX

ITEM	PART #	QTY	DESCRIPTION
1	71030R	1	ASSEMBLY, MAIN HOUSING-RH
			HOUSING, MAIN RH-MACHINED
			BUSHING, .865 X .985 X .790
			PLATE, EXPANSION RH
			SCREW, 10-32 X 1/2 (SELF-TAPPING)
			PIN, STANDARD, HEADLESS
			SEALANT TUBE, 10.3 oz
			SEAL, LIP .375 X .75 X .25
2	71031R	1	ASSEMBLY, SIDE-RH
			HOUSING, SIDE RH-MACHINED
			BUSHING, .624 X .719 X .562
			BUSHING, .865 X .985 X .790
			SEAL, LIP .625 X 1.000 X .250
			SEAL, LIP 18 X 32 X 7
3	51448	1	PLATE, BYPASS
4	70723	1	ASSEMBLY, PUMP BLOCK (7P-10CC)
			BLOCK, CYLINDER
			PISTON
			SPRING, COMPRESSION
			WASHER, THRUST
5	51949	1	SPACER, .320 x 1.005
6	70331	1	ASSEMBLY, MOTOR BLOCK (5P-10CC)
			BLOCK, CYLINDER
			PISTON
			SPRING, COMPRESSION
			WASHER, THRUST
7	9005110-5600	1	PLUG, SAE #6
8	9004800-2506	2	PIN, STAINLESS, HEADLESS
9	51190	16	HFC5 1/4-20 X 1.25 (SELF-TAPPING)
10	70719	1	KIT, BRAKE SEAL
11		56 oz.	OIL, 20W-50
12	50016	3	BOLT, HEX FLANGE 3/8-24 X 2.5
13	51626	1	SEAL, LIP .375 X .75 X .25
14	51628	2	RING, RETAINING .375 EXT
15	51625	1	ROD, BYPASS
16	51627	1	RING, RETAINING .750 INT
17	51629	1	ARM, BYPASS
18	51630	1	RING, RETAINING .375 EXT (PUSHNUT)
19	51048	1	SWASHPLATE, TRUNNION, MACHINED
20	51140	1	SEAL, LIP 18 X 32 X 7
24	44130	1	WASHER, FLAT 11/32 ID X 7/8 OD X 1/16
25	51812	1	TWHCS 5/16-24 X 1.0
27	2003014	1	SPRING-HELICAL COMPRESSION
28	2003017	1	WASHER .591 X .787 X .040
29	51062	1	SHAFT, INPUT
30	50315	1	BEARING, BALL 17MM ID X 40MM OD X 12MM
31	2000022	1	RING, RETAINING WIRE .561 ID
32	50951	1	SPACER
33	51161	1	SEAL, LIP 17 X 40 X 7
34	50329	2	RING, RETAINING
35	50551	2	BEARING, THRUST 30 X 52 X 13
36	44371	1	WASHER, FLAT 5/8 ID X 1.0 OD X .05
37	44145	1	RING, RETAINING
38	51130	1	GEAR, PINION, 13T
39	51632	1	SHAFT, MOTOR
40	51069	1	WASHER, MOTOR SHAFT .71 ID X 1.16 OD X .04
41	50132	2	WASHER, HT .5 ID X 1.0 OD X .032

ITEM	PART #	QTY	DESCRIPTION
42	51129	1	GEAR, 10T/48T
43	51043	1	GEAR, 10T JACKSHAFT
44	51083	1	PIN, JACKSHAFT
45	44871	1	RING, SPIRAL RETAINING
46	51633	1	GEAR, 52T BULL
47	44875	1	WASHER, 3/4 ID X 1-1/2 OD X .13
48	51088	1	BEARING, SLEEVE (INBOARD)
49	51894	1	SHAFT, AXLE (3.6 TAPER)
50	51089	1	BUSHING, AXLE
51	51066	1	SEAL, LIP, .75 X 1.5
52	70853	1	KIT, SEAL
			SEAL, LIP .625 X 1.000 X .250
			SEAL, LIP .375 X .75 X .25
			SEAL, LIP 18 X 32 X 7
			SEAL, LIP 17 X 40 X 7
			SEAL, LIP .750 X 1.577 X .250
			SEAL, LIP 1.00 X 1.577
			SEAL, LIP .50 X .88 X .25
			RING, RETAINING .375 EXT
			RING, RETAINING .750 INT
			RING, RETAINING .375 EXT
			RING, RETAINING 1.56 INT
			RING, RETAINING WIRE .561
			RING, RETAINING .62 EXT
			RING, RETAINING, SPIRAL
53	70868R	1	KIT, EXPANSION PLATE, RH
			PLATE, EXPANSION RH
			SCREW, 10-32 X 1/2 (SELF-TAPPING)
54	70591	1	KIT, FAN-PULLEY
			FAN, 6", 10 BLADE
			PULLEY, 4.5"
			NUT, HEX LOCK 1/2-20 (NYLON INSERT)
			SCREW, HEX WASHER HEAD TAPPING 1/4-20 X .75
55	71070	1	KIT, BRAKE ARM, RH
			ARM, PARKING BRAKE
			WASHER .28 X .50 X .063
			BOLT, 1/4-20 X 1 W/PATCH
			BUSHING, .260 X .394 X .330
			CLEVIS PIN
57	71143	1	KIT, CENTER SECTION-FILTER RH
			ASSEMBLY, PUMP BLOCK (7P-10CC)
			CENTER SECTION, RH-MACHINED
			BUSHING, .707 X .788 X .591
			PLATE, BYPASS
			BOLT, HEX FLANGE 3/8-24 X 2.5
			FILTER, BASE
			CHECK PLUG ASSEMBLY .027, WASHER
			ASSEMBLY, COVER
58	50928	1	SEALANT TUBE, 10.3 oz
59	70891	1	KIT, BYPASS ARM
			ARM, BYPASS
			RING, RETAINING .375 EXT (PUSHNUT)
61	70911	1	KIT, FILTER
			FILTER, BASE
			ASSEMBLY, COVER
99	51901	1	NUT, HEX 9/16-18
100	51635	1	DISC, COG BRAKE

ITEM	PART #	QTY	DESCRIPTION
120	51365	1	FAN, 6", 10 BLADE
121	50302	1	PULLEY 4.5
122	51244	1	HEX LOCK NUT, 1/2-20 (NYLON INSERT)
123	50752	1	HEX WASHER HEAD TAPPING SCREW, 1/4-20 X .25
124	71093	1	ASSEMBLY, HUB
			HUB, TAPER AND SPLINE
			STUD, 1/2-20 X 1.5 (RIBBED)
125	70921	1	CAP, VENT ASSEMBLY
			PLASTIC VENT
			CAP, POPPET VALVE
126	70110	1	FITTING, O-RING ASSEMBLY
			O-RING
			PLASTIC HOSE FITTING
127	50590	1	CLAMP, PINCH, SINGLE EAR
131	51616	1	SHCS 5/16-24 X 1.00 (PATCH)
132	51947	1	BUSHING, PILOT, 1.13
133	51948	2	WASHER, PLASTIC
134	51950	1	WASHER, .343 X 1.500
135	51399	1	SPRING, EXTENSION
136	71095	1	KIT, RTN ASSEMBLY - LH
			SHCS 5/16-24 X 1.00 (PATCH)
			BUSHING, PILOT, 1.13
			WASHER, PLASTIC
			WASHER, .343 X 1.500
			SPRING, EXTENSION
			SPACER
			ARM, NEUTRAL, LH
			ARM, CONTROL, LH
			ARM, SCISSOR
			WASHER, FLAT 11/32 ID X 7/8 OD X 1/16
			TWHCS 5/16-24 X 1.0
137	51401	1	HOSE, .5 x 4.00
138	71004	1	KIT, BREATHER ASSEMBLY
			CAP, VENT ASSEMBLY
			HOSE .5 X 4.00
			FITTING, O-RING ASSEMBLY
			CLAMP, PINCH, SINGLE EAR
140	71241	1	ASSEMBLY, HUB PULLER