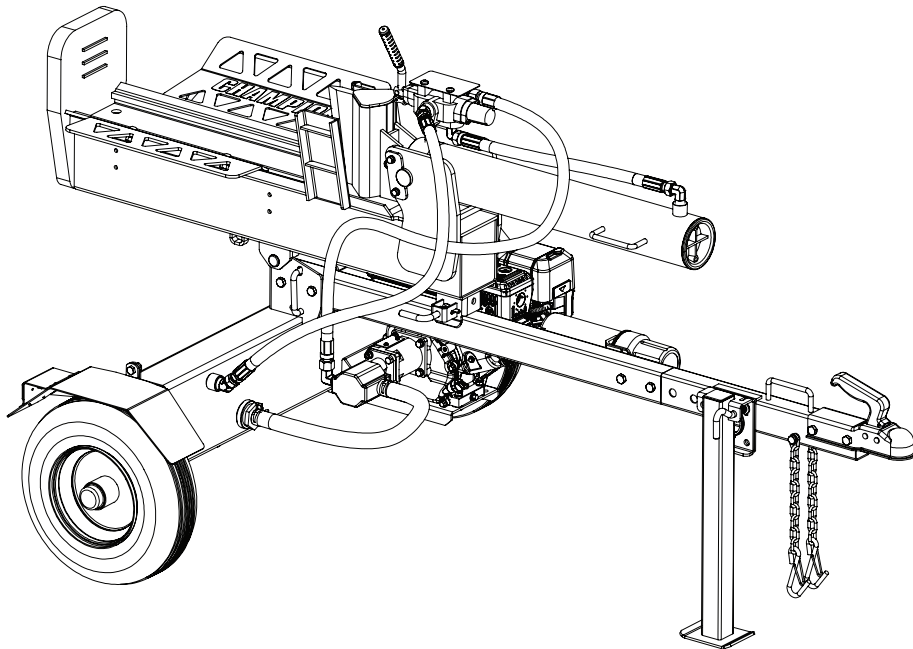




Champion Power Equipment, Inc.

MODEL #100888



PARTS INFORMATION

20 TON LOG SPLITTER

SERIAL NUMBER RANGE: ALL



To order replacement parts please visit:
shop.championpowerequipment.com
or call **1-877-338-0999**.

TABLE OF CONTENTS

Parts Diagram..... 3

Parts List 4

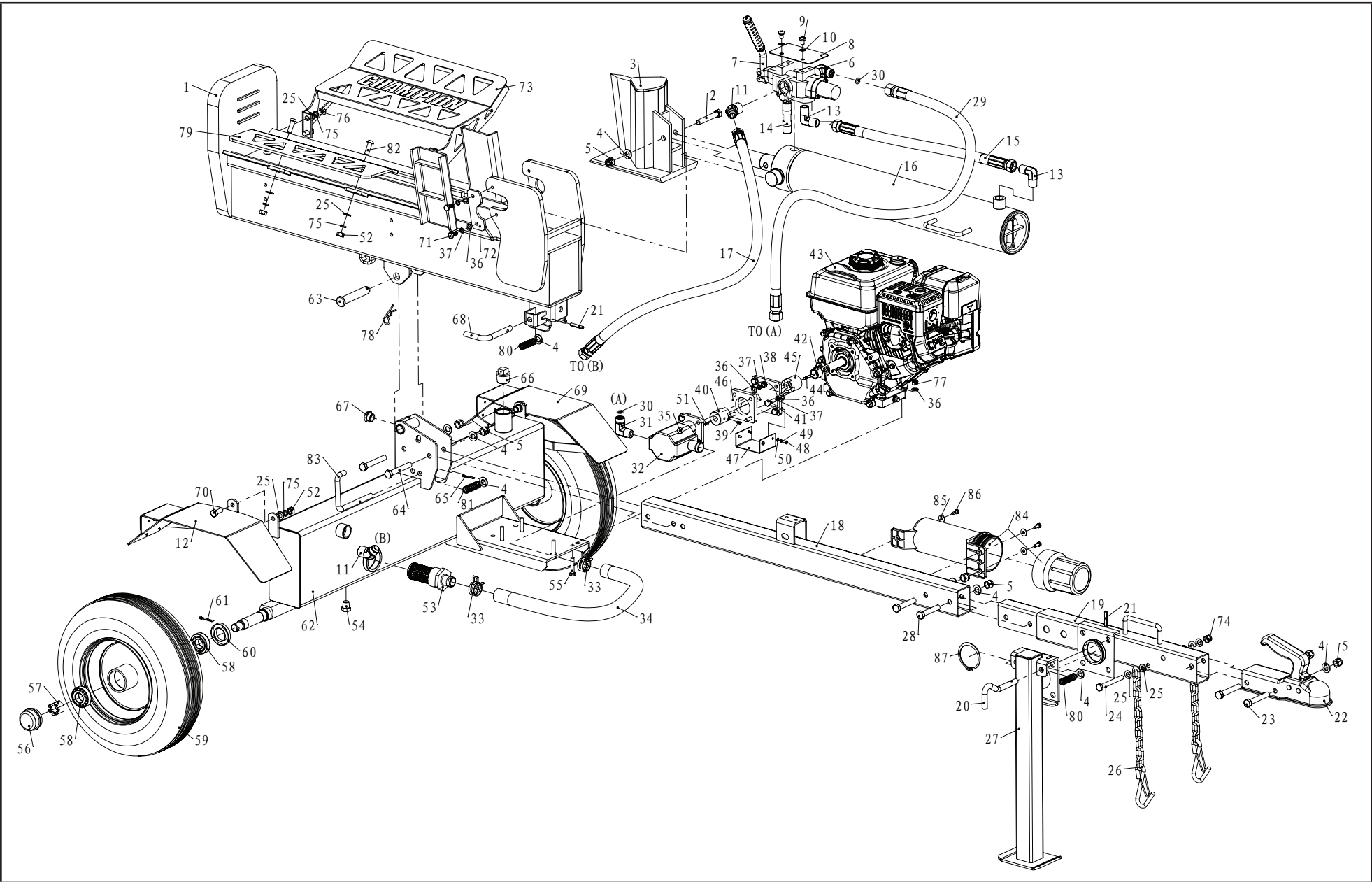
Engine Parts Diagram R224P-E00DY..... 6

Engine Parts List R224P-E00DY 7

Engine Parts Diagram 1TC7QG011..... 9

Engine Parts List 1TC7QG011 10

PARTS DIAGRAM



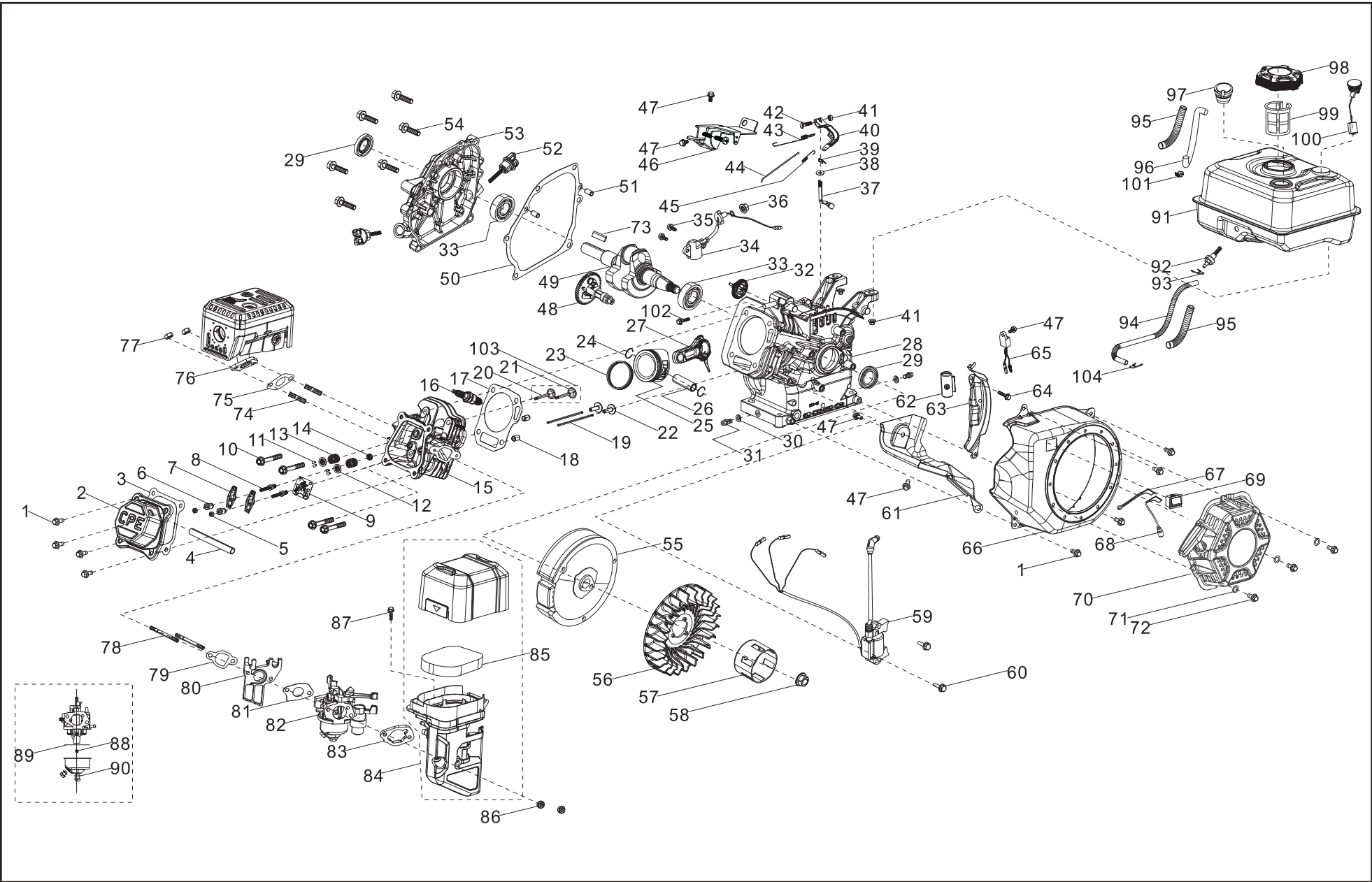
PARTS LIST

#	Part Number	Description	Qty.
1	PMJ20B-02-00	Beam	1
2	G5782-2000-M12-75	Bolt M12 × 75(12.9)	1
3	PMJ27B-03	Wedge Slide	1
4	G95-2000-12	Washer Ø12	9
5	G889.1-2000-M12	Lock Nut M12	7
6	PMJ20J-16	Control Valve "IN" Connector	1
7	PMJ27B-12	Control Valve	1
8	PMJ22J-19	Plate	1
9	G818-2000-M8-12	Bolt M8 × 12	2
10	G859-1987-8	Washer Ø8	2
11	PMJ25Y-24	135 Degree Oil Return Connector	2
12	PMJ22G-34-00	Left Fender	1
13	PMJ7-15	Right Angle Joiner	2
14	PMJ7-22	Through Joiner	1
15	PMJ22Q-21	Hydraulic Hose (Valve-Cylinder)	1
16	PMJ22Q-08-00	Cylinder	1
17	PMJ25Y-22	Hydraulic Hose (Valve-Oil Tank)	1
18	PMJ20B-06	Base Tube	1
19	PMJ27B-01	Base Connector	1
20	PMJ25Y-16	Support Leg Lock Pin	1
21	G879.2-2000-6-40	Spring Pin 6 × 40	2
22	PMJ27B-40	2-in. Coupler	1
23	G5782-2000-M12-75	Bolt M12 × 75	2
24	G5782-2000-M10-85	Bolt M10 × 85	1
25	G95-2000-10	Washer Ø10	14
26	PMJ25M-18-00	Safety Chain With Hook	2
27	PMJ25Y-07	Front Support Leg	1
28	G5782-2000-M12-65	Bolt M12 × 65	2
29	PMJ20J-18	Hydraulic Hose(Valve-Pump)	1
30	G3452.1-92-10-2.65	"O" Ring Ø10 × 2.65	2

#	Part Number	Description	Qty.
31	PMJ25M-16	Outlet Connector Of Pump	1
32	PMJ22G-42	Gear Pump	1
33	PMJ25Y-38	Clamp d30	2
34	PMJ25M-17	Oil Pipe	1
35	G5783-2000-M8×30	Bolt M8 × 30	4
36	G95-2000-8	Washer Ø8	16
37	G93-1987-8	Lock Washer Ø8	12
38	G6170-2000-M8	Nut M8	4
39	G77-2000-M6-10	Screw M6 × 10	1
40	PMJ22G-26	Gear Pump Connector	1
41	ASME-B18.2.1-1996-516-24-1	Bolt 5/16 in.-24 × 1 in.	4
42	PMJ22G-29	Engine Bushing	1
43	R224-B00DY SN: ≤ 21077556 1TC7QG011 SN: 21077557+	Engine	1
44	G1096-1979-4.78-35	Flat Key 4.78 × 4.78 × 35	1
45	PMJ22G-28	Engine Connector	1
46	PMJ22G-27	Gear Pump Stand	1
47	PMJ22G-32	Connector Cover	1
48	G818-2000-M4-10	Cross Head Screw M4 × 10	4
49	G848-1985-4	Lock Washer Ø4	4
50	G859-1987-4	Washer Ø4	4
51	G1099-1979-3-5-13	Flat Key 3 × 5 × 13	1
52	G6170-2000-M10	Nut M10	6
53	PMJ22Q-20A	Internal Oil Filter	1
54	PMJ22G-19	Oil Plug	1
55	G5782-2000-M8-40	Bolt M8 × 40	4
56	PMJ22J-05-02	Axle Cap	2
57	G9459-1988 - M20-1.5	Slotted Nut M20 × 1.5	2

#	Part Number	Description	Qty.
58	L44634 LYC DS	Tapered Bearing	4
59	PMJ22D-05-03	Wheel	2
60	PMJ22J-05-01	Cased Seal	2
61	G91-2000-4-32	Cotter Pin Ø4 × 32	2
62	PMJ20B-04-00	Oil Tank	1
63	PMJ25Y-19	Pin	1
64	G5782-2000-M12-80	Bolt M12 × 80	2
65	G91-2000-3.2-14	Cotter Pin Ø3.2 × 14	1
66	PMJ22G-18	Screw NPT 1 in.	1
67	G1160.2-89	Oil Scale	1
68	PMJ25Y-14	Horizontal Lock Pin	1
69	PMJ22G-35-00	Right Fender	1
70	G5781-2000-M10-25	Bolt M10 × 25	4
71	G5783-2000-M8-20	Bolt M8 × 20	4
72	PMJ22J-03	Cylinder Fixing Plate	2
73	PMJ25M-36	Log Catcher, Yellow	1
74	G889.1-2000-M10	Lock Nut M10	1
75	G93-1987-10	Lock washer Ø10	10
76	G5781-2000-M10-20	Bolt M10 × 20	4
77	G889.1-2000-M8	Lock Nut M8	4
78	GJY12-3	R Clip	1
79	PMJ25M-31	Short Log Catcher, Cool Gray	1
80	PMJ25Y-18	Spring For Lock Pin	2
81	PMJ25Y-17	Spring For Vertical Lock Pin	1
82	G70.2-2000-M10-30	Bolt M10 × 30	2
83	PMJ25Y-15	Vertical Lock Pin	1
84	PMJ27B-38	OM Storage	1
85	G96.2-2002-6-1.6	Big Washer 6 × 1.6	3
86	G7581-2000-M6-16	Bolt M6 × 16	3
87	G894.1-86-63	Circlip Ø63	1

ENGINE PARTS DIAGRAM R224P-E00DY



ENGINE PARTS LIST R224P-E00DY

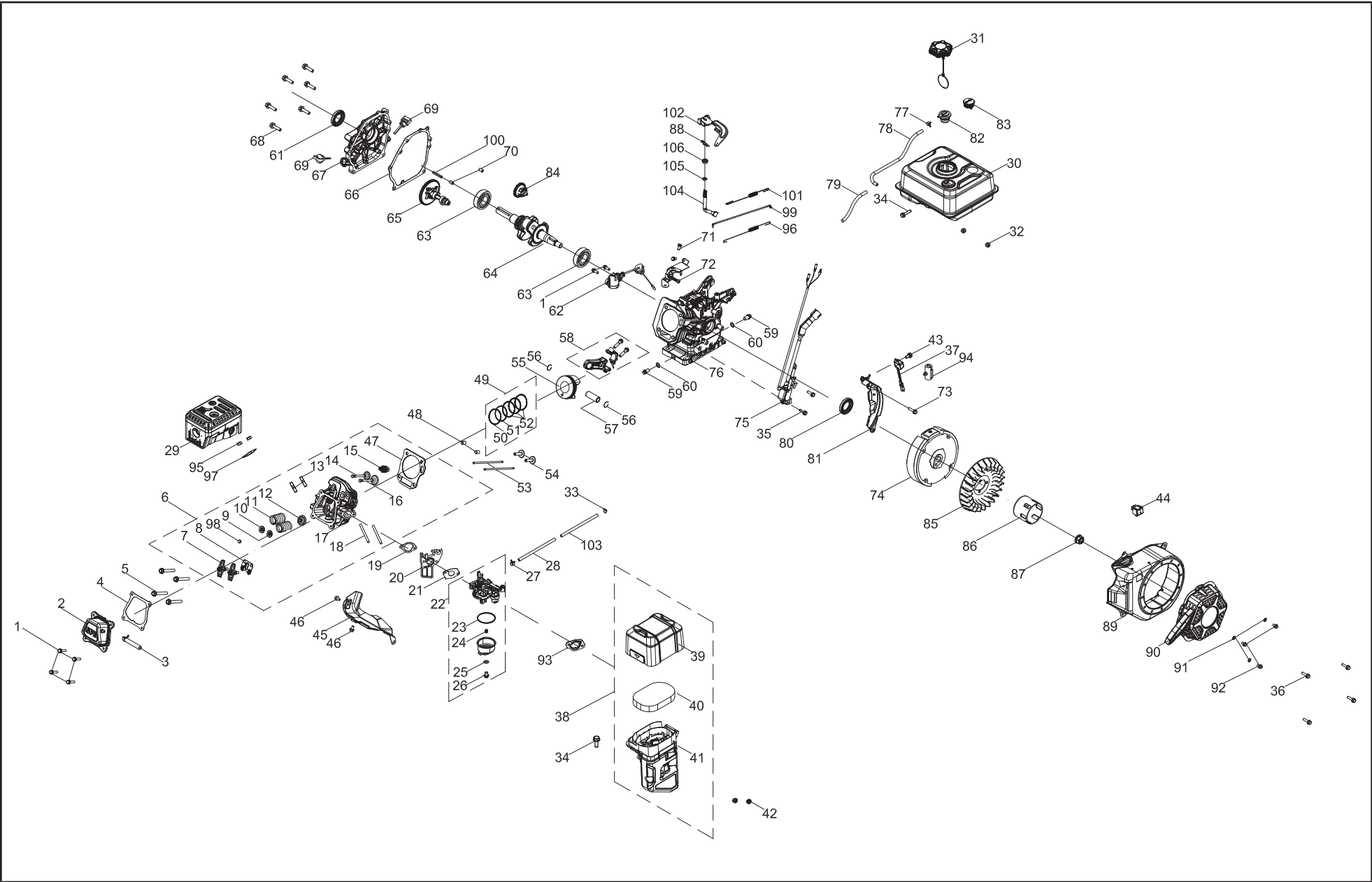
#	Part Number	Description	Qty.
1	90001-0612-0101	Hexagon Flange Bolt, M6 × 12, Blue White Zinc	8
2	12410-Z440110-0001	Cylinder Head Cover Subassembly, Blue White Zinc	1
3	12004-Z440110-00A0	Cylinder Head Cover Gasket	1
4	17004-Z440110-0002	Tube, Breather, Ø8 × Ø12 × 90	1
5	14312-Z010110-0000	Valve Lock Nut	2
6	14314-Z010110-0000	Valve Adjusting Nut	2
7	14311-Z010110-0000	Valve Rocker	2
8	14313-Z010110-0000	Valve Adjusting Bolt	2
9	14090-Z010110-0000	Lifter Stopper Plate Subassembly, Blue White Zinc	1
10	12003-Z010110-0001	Cylinder Head Bolt, M8 × 60, Blue White Zinc	4
11	12109-Z810110-0000	Valve Lock Clamp	4
12	12112-Z810210-0000	Valve Spring Retainer	2
13	12103-Z010110-0000	Valve Spring	2
14	12101-Z810210-0000	Seal Guide	1
15	12140-Z810210-00A0	Cylinder Head Subassembly	1
16	30010-Z010110-0000	Spark Plug, F6RTC	1
17	12131-Z950210-0000	Cylinder Head Gasket	1
18	90502-1114-00A0	Pin, 11 × 14	2
19	14071-Z440110-0000	Valve Lifter	2
20	12121-Z810120-0000	Exhaust Valve	1
21	12111-Z810110-0000	Inlet Valve	1
22	14081-Z040110-0000	Valve Tappet	2
23	13200-Z140210-00A9	Piston Ring Assembly	1
24	13122-Z510210-0000	Piston Pin Clip	2
25	13111-Z810120-00A0	Piston	1
26	13121-Z810110-0000	Piston Pin, Ø13 × Ø45.9	1
27	13010-Z810210-00A0	Connecting Rod	1
28	11310-Z810120-00A9	Crankcase Subassembly	1

#	Part Number	Description	Qty.
29	90682-Z300110-0001	Oil Seal, Ø25 × Ø41.25 × 6	2
30	90408-Z010110-00A0	Washer, Ø10 × Ø15.8 × 1.5	2
31	11007-Z010110-0001	Drain Plug Bolt, M10 × 1.25 × 15, Blue White Zinc	2
32	16400-Z810210-0000	Governor Gear Assembly	1
33	90547-0205-00	Bearing	2
34	37060-Z010120-0001	Engine oil Sensor, W/O Nut	1
35	90001-0614-01A0	Hexagon Flange Bolt, M6 × 14, Blue White Zinc	2
36	90305-Z010210-0101	Hexagon Flange Nut, M10, Blue White Zinc	1
37	16061-Z010110-0000	Governor Arm	1
38	90408-Z010210-00A0	Washer, Ø6.2 × Ø15 × 0.6	1
39	90501-Z010110-0001	Pin, Blue White Zinc	1
40	16070-Z010110-0001	Governor Support Subassembly, Blue White Zinc	1
41	90305-0600-3101	Hexagon Flange Nut, M6, Blue White Zinc	3
42	16072-Z010110-0001	Governor Support Bolt, M6 × 21, Blue White Zinc	1
43	16063-Z810110-0001	Spring, Governor	1
44	16062-Z010110-0001	Governeor Rod, Blue White Zinc	1
45	16012-Z010310-0000	Throttle Valve Returning Spring	1
46	16520-Z012510-0100	Throttle Control Assembly, Blue White Zinc	1
47	90001-0610-0101	Hexagon Flange Bolt, M6 × 10, Blue White Zinc	5
48	14200-Z810310-0000	Camshaft Assembly	1
49	13300-Z812110-0000	Crankshaft Assembly	1
50	11001-Z440110-00A0	Crankcase Gasket	1
51	90502-0912-00A0	Pin, 9 × 12	2

#	Part Number	Description	Qty.
52	15010-Z290110-L401	Oil Dipstick Subassembly	2
53	11411-Z440410-00A0	Crankcase Cover	1
54	90001-0832-0101	Hexagon Flange Bolt, M8 × 32, Blue White Zinc	6
55	13510-Z440410-0000	Flywheel Subassembly	1
56	19352-Z440110-0001	Impeller	1
57	28002-Z0L0110-0000	Starter Pulley, Blue White Zinc	1
58	13501-Z010110-00A0	Flywheel Nut, M14 × 1.5, Blue White Zinc	1
59	30400-Z441010-0001	Ignition Coil	1
60	90001-0625-01A0	Hexagon Flange Bolt, M6 × 25, Blue White Zinc	2
61	19304-Z010610-0001	Cylinder Body Shroud, Blue White Zinc	1
62	90684-Z010510-0000	Clip	1
63	19340-Z011010-0000	Lower Shield, Blue White Zinc	1
64	90001-0616-01A0	Hexagon Flange Bolt, M6 × 16, Blue White Zinc	1
65	37050-Z010210-0001	Oil Protector, Blue White Zinc	1
66	28110-Z810310-L400	Shroud	1
67	35555-Z810110-0000	Switch Connector Grounding Wire	1
68	35541-Z010610-0000	Stop Engine Connecting Wire	1
69	35540-Z010610-R901	Stop Engine Switch Subassembly	1
70	28200-Z141210-H200	Recoil Starter Assembly	1
71	90408-0600-03	Washer, Black Zinc	3
72	90001-0608-03	Hexagon Flange Bolt, M6 × 8, Black Zinc	3
73	90521-U060110-00A0	Key	1
74	90203-Z010110-0000	Stud, M8 × 34, Black Zinc	2
75	18001-Z440110-00A0	Exhaust Gasket	1
76	18100-Z140411-0003	Muffler Assembly	1
77	90303-0800-3101	Hexagon Nut, M8, Blue White Zinc	2
78	90204-Z620110-00A0	Stud, M6 × 115, Black Zinc	2

#	Part Number	Description	Qty.
79	16002-Z010110-0000	Carburetor Insulator Gasket	1
80	16003-Z010110-0000	Carburetor Insulator Plate	1
81	16001-Z010110-0000	Carburetor Gasket	1
82	16100-Z811411-00M3	Carburetor Assembly	1
83	17001-Z010210-0000	Air Cleaner Gasket	1
84	17100-Z011910-00A1	Air Cleaner	1
85	17151-Z2M0110-0000	Air Cleaner Element	1
86	90305-0600-33	Hexagon Flange Nut, M6, Black Zinc	2
87	90007-0630-A1A0	Hexagon Flange Bolt, M6 × 30, Blue White Zinc	1
88	16161-Z152020-0000	Main Jet, Standard	1
	16161-Z151810-0000	Main Jet, Altitude 3000-6000 Feet	1
	16161-Z151610-0000	Main Jet, Altitude 6000-8000 Feet	1
89	16112-Z010110-0000	Seal Ring, Float	1
90	90681-Z010610-0000	Seal Ring	1
91	16620-Z810110-H200	Fuel Tank	1
92	16680-Z010110-0001	Fuel Tank Oil Outlet Subassembly	1
93	90740-Z010510-00A1	Clamp	1
94	90686-Z010710-00M1	Fuel Pipe, Ø4.5 × Ø8.5 × 160	1
95	30431-Z010110-0003	Rubber Jacket, Ø9.5 × Ø11 × 90, Black	2
96	16805-Z810110-0001	Rubber Hose, Air Cleaner, Ø4.5 × Ø8.5 × 260	1
97	15150-Z810110-0001	Valve, One Way	1
98	16730-Z810110-0001	Fuel Tank Cap	1
99	16652-Z010810-0001	Fuel Strainer	1
100	37200-Z810210-0001	Fuel Gauge	1
101	90685-Z080110-00A0	Clamp, Ø8.5 × 0.6 × 8	1
102	90001-0630-0101	Hexagon Flange Bolt, M6 × 30, Blue White Zinc	1
103	12110-Z810120-0099	Valve Set	1
104	90685-Z030610-01A1	Clamp, Ø8 × 0.6 × 7	1

ENGINE PARTS DIAGRAM 1TC7QG011



ENGINE PARTS LIST 1TC7QG011

#	Part Number	Description	Qty.
1	100011264-0003	Flange Bolt M6 x 16, GB5789	6
2	100002335	Cylinder Head Cover (Cpe)	1
3	100002832	Breather Tube	1
4	100079562	Gasket, Cylinder Head Cover	1
5	100002464-0001	Flange Bolt M8 x 60	4
6	100734143	Cylinder Head Assembly	1
7	100004420	Rocker Arm	2
8	100050881	Guide Plate, Push Rod	1
9	100004580	Valve Spring Seat, Intake	1
10	100004585	Valve Spring Seat, Exhaust	1
11	100004564	Spring Valve	2
12	100004600	Oil Seal, Intake Valve	1
13	100010387	Stud Bolt M8 x 34	2
14	100057969	Exhaust Valve	1
15	100009378	Spark Plug F6RTC	1
16	100004522	Intake Valve	1
17	100002378	Cylinder Head	1
18	100733507	Stud Bolt M6 x 115	2
19	100078607	Gasket, Insulator	1
20	100005599	Insulator, Carburetor	1
21	100078606	Gasket, Carburetor	1
22	100730983-0001	Carburetor Assembly	1
23	100005717	O-Ring, Fuel Bowl	1
24	100073724	Main Jet, Standard, #74	1
	100092470	Main Jet, Altitude 1000-3000 m, #72	/
25	100006037	Gasket, Fuel Bowl Mounting Bolt	1
26	100005725	Mounting Bolt, Fuel Bowl	1
27	100005149	Clamp Ø7.5	1
28	100063788	Fuel Tube, Ø4 x Ø8 x 160	1
29	100730892	Muffler	1

#	Part Number	Description	Qty.
30	100730667-0002	Fuel Tank Assembly	1
31	100730969	Fuel Tank Cap	1
32	100011452-0003	Flange Nut M6	2
33	100005137	Clamp	1
34	100011269-0003	Flange Bolt M6 x 28	2
35	100011268-0003	Flange Bolt M6 x 25	2
36	100011262-0003	Flange Bolt M6 x 14	4
37	100010040	Oil Sensor	1
38	100731169	Air Cleaner Assembly	1
39	100734201	Air Cleaner Cover	1
40	100734202	Air Cleaner Element	1
41	100734203	Air Cleaner Base	1
42	100011463-0004	Flange Nut M6, GB6177.1	2
43	100011261-0004	Flange Bolt M6 x 12	1
44	100733063-0001	Switch	1
45	100007083	Air Guide, Lower	1
46	100011260-0005	Flange Bolt M6 x 10, GB5789	2
47	100155656	Gasket, Cylinder Head	1
48	100010558	Dowel Pin Ø10 x 16	2
49	100003243	Piston Ring Set	1
50	100072134	1st Piston Ring	1
51	100072135	2nd Piston Ring	1
52	100072136	Oil Ring	1
53	100004395	Push Rod	2
54	100004262	Lifter, Valve	2
55	100003086	Piston	1
56	100003221	Circlip, Wrist Pin	2
57	100003123	Wrist Pin	1
58	100003446	Connecting Rod Assembly	1
59	100010272	Drain Bolt, M10 x 1.25 x 15	2

#	Part Number	Description	Qty.
60	100010459	Washer Ø10 x 1.5 x Ø16	2
61	100017651	Oil Seal Ø25 x Ø41.25 x 6, Spiral Grain	1
62	100010011	Oil Level Sensor	1
63	100010680	Bearing, 6205	2
64	100023653	Crankshaft	1
65	100099599	Camshaft	1
66	100010148	Gasket, Crankcase Cover	1
67	100066338	Cover, Crankcase	1
68	100011319-0001	Flange Bolt M8 x 32	6
69	100004105-0006	Oil Dipstick Assembly	2
70	100010550	Dowel Pin Ø8 x 14	2
71	100011215-0001	Flange Bolt M6 x 12	2
72	100730968	Control Assembly	1
73	100011266-0004	Flange Bolt M6 x 20	1
74	100009503	Flywheel	1
75	100733580	Ignition Module	1
76	100002680	Crankcase	1
77	100005148	Clamp Ø8	1
78	100730897	Fuel Hose	1
79	100063948	Sheath, Vent Tube	1
80	100017644	Oil Seal Ø25 x Ø41.25 x 6	1
81	100150079	Lower Guard	1
82	100008968	Reversal Valve	1
83	100730895	Fuel Gauge	1
84	100008296	Gear, Governor	1
85	100007028	Cooling Fan	1
86	100007550	Pulley, Starter	1
87	100011459-0003	Flange Nut M14 x 1.5	1
88	100007986	Cotter, Governor Shaft	1
89	100734204-0001	Fan Cover, Yellow 109 C	1
90	100734205-0001	Recoil Starter Assembly	1
91	100010894-0002	Washer Ø6	3

#	Part Number	Description	Qty.
92	100011528-0002	Flange Bolt M6 x 10	3
93	100005629	Gasket, Air Cleaner Base	1
94	100000657	Clip	1
95	100011422-0004	Flange Nut M8, GB6170	2
96	100053141	Spring, Throttle Return	1
97	100006526	Gasket, Muffler	1
98	100004588	Retainer, Valve	1
99	100007947	Rod, Governor	1
100	100010620	Key, 4.75 x 4.75 x 35	1
101	100007855	Spring, Governor	1
102	100039298	Arm, Governor	1
103	100009151	Sheath, Fuel Tube	1
104	100007975	Governor Shaft	1
105	100010113	Sealing Ring, Ø5.2 x 1.9	1
106	100017630	Oil Seal Ø6 x Ø11 x 4	1