

RIDGID ZERO GRAVITY COMPRESSOR – MODEL NO. GP80150RTB

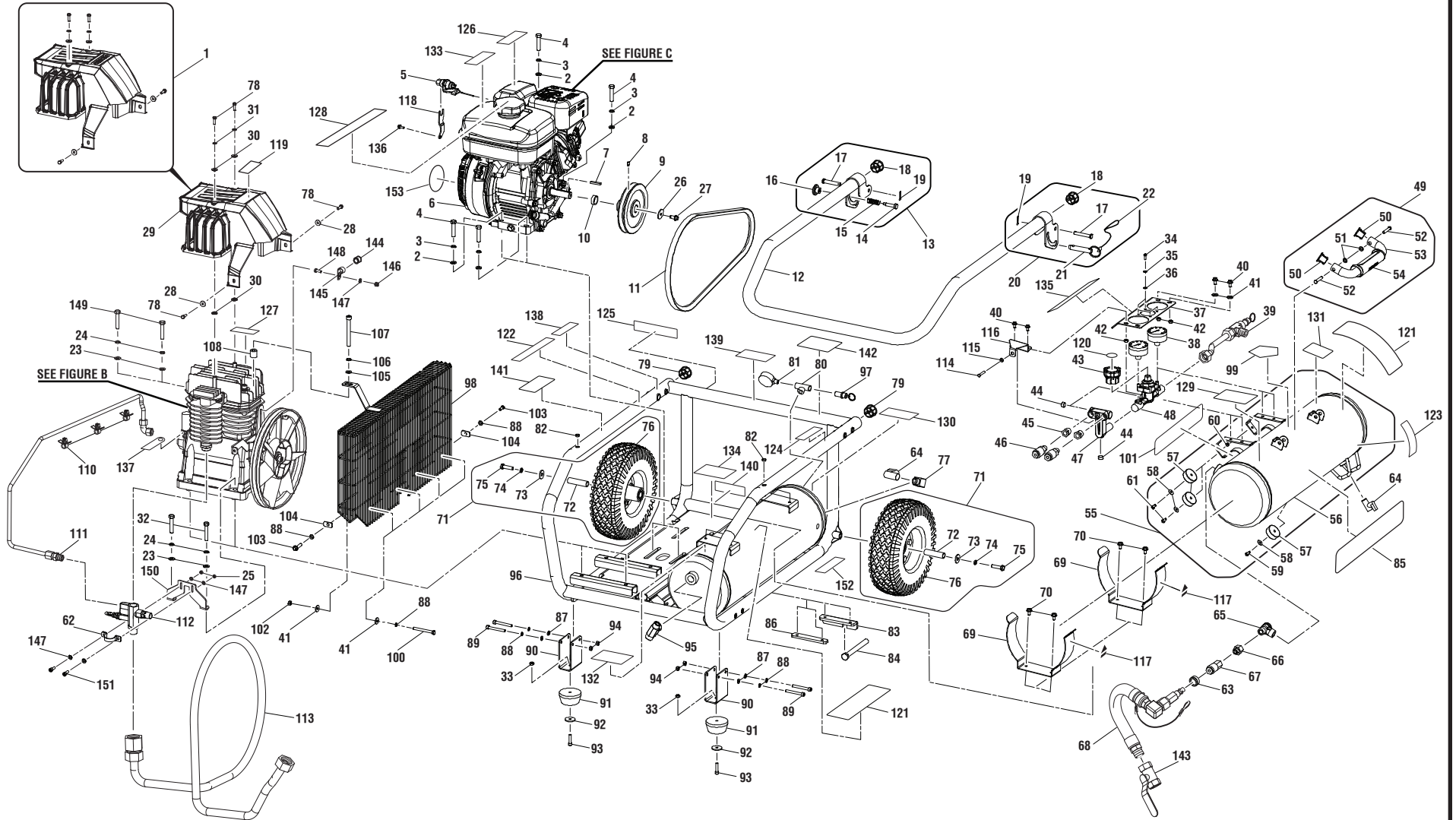


FIGURE A /
FIGURA A

RIDGID ZERO GRAVITY COMPRESSOR – MODEL NO. GP80150RTB

The model number will be found on a label attached to the housing. Always mention the model number in all correspondence regarding your **AIR COMPRESSOR** or when ordering replacement parts.

PARTS LIST

KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	079027018717	Shroud Kit (Inc. Key Nos. 28-30 and 78)	1	26	079079007011	Washer (ID8.3 x OD30.2 x 3.5t).....	1
2	079027018107	Washer (ID8.4 x OD16 x 1.6t)	4	27	079079007012	Bolt (5/16 - 24UNF-2A)	1
3	079027018105	Spring Washer (8 mm).....	4	28	079027019008	Washer (ID5.3 x OD15 x 1.2t).....	2
4	079027018108	Screw (M8 x 40 mm, Hex Hd.).....	4	29	079027019004	Shroud.....	1
5	079027018116	Throttle Control Valve.....	1	30	079027019005	Washer	4
6	See Note	Rato Engine (See Figure C).....	1	31	079027019006	Washer (ID5.3 x OD10 x 1t).....	2
7	079027018113	Flat Key (Square).....	1	32	079027018109	Screw (M8 x 55 mm, Hex Hd.).....	2
8	079079007007	Bolt (M8 x 80 mm, Soc. Hex Hd.)	1	33	079027018172	Nut (M6)	2
9	079027018111	Pulley.....	1	34	079027018074	Screw (M4 x 12 mm, Pan Hd.).....	4
10	079079007008	Bushing	1	35	079027018073	Spring Washer (4 mm).....	4
11	079079007006	V-Belt (A-46LW).....	1	36	079027018072	Washer (ID4.3 x OD9 x 0.8t)	4
12	079079007003	Handle.....	1	37	079027018075	Control Panel (Movable Tank)	1
13	079027018708	Right Handle Frame Assembly (Incl. Key Nos. 14-19).....	1	38	079027018069	Pressure Gauge	2
14	079027018054	Handle Lock Pin.....	1	39	079027018709	Movable Tank Manifold Assembly	1
15	079027018055	Handle Spring	1	40	079027018071	Bolt (M6 x 16 mm, Flange Hex Hd.)	4
16	079027018056	Handle Release Knob	1	41	079027018070	Washer (ID6.4 x OD18 x 1.6t)	10
17	079027018050	Split Roll Pin.....	2	42	079027018018	Nut (M6)	4
18	079027018049	End Cap	2	43	079027018064	Regulator Knob	1
19	079027018052	Split Roll Pin.....	2	44	079027018066	End Cap	4
20	079027018707	Left Handle Frame Assembly (Incl. Key Nos. 17-19, 21 and 22).....	1	45	079027018067	Nipple.....	2
21	079027018051	Handle Lock Pin.....	1	46	079027018068	Quick-Connect Fitting.....	2
22	079027018053	Lanyard (Metal)	1	47	079027018065	Manifold	1
23	079027018171	Washer (ID8.4 x OD16 x 1.6t)	4	48	079027018063	Regulator.....	1
24	079027018170	Spring Washer (8 mm).....	4	49	079027018715	Movable Tank Handle Assembly (Incl. Key Nos. 50-54).....	1
25	079027018187	Hex Nut (M6)	2	50	079027018005	End Cap	2
				51	079027018004	C-Clip (7 mm).....	2

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KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
52	079027018003	Split Roll Pin.....	2	78	079027019007	Bolt (M5 x 15 mm, Hex Hd.).....	4
53	079027018001	Movable Tank Handle.....	1	79	079027018057	End Cap	2
54	079027018002	Handle Grip.....	1	80	079027018093	T-Joint	1
55	079027018710	Movable Tank Assembly (Incl. Key Nos. 56-61).....	1	81	079027018094	Radial Pressure Gauge	1
56	079027018077	Movable Tank	1	82	079027018090	Handle Grip Bumper	2
57	079027018078	Foot Pad	3	83	079027018088	Engine Block (2)	1
58	079027018080	Washer (ID5.3 x OD15 x 1t).....	3	84	079027018087	Tension Bolt	1
59	079027018082	Screw (M5 x 10 mm, Hex Hd.).....	1	85	079079007902	Mobilair Label.....	1
60	079027018079	Nut (M5)	2	86	079027018089	Engine Block (1)	1
61	079027018081	Screw (M5 x 16 mm, Hex Hd.).....	2	87	079027018019	Washer (ID6.4 x OD12 x 1.6t).....	4
62	079027018184	Clamp.....	1	88	079027018013	Spring Washer (6 mm).....	10
63	079027018048	Quick Connect Sleeve	1	89	079027018012	Bolt (M6 x 50 mm, Soc. Hex Hd.)	4
64	079027018092	Drain Valve	2	90	079027018014	Foot Frame.....	2
65	079027019011	Elbow	1	91	079027018015	Foot pad.....	2
66	079027018173	Nipple.....	1	92	079027018016	Washer (ID6,5 x OD28 x 2t).....	2
67	079027018084	Quick-Connect Fitting.....	1	93	079027018017	Bolt (M6 x 30 mm, Soc. Hex Hd.).....	2
68	079027018702	Intake Hose Assembly (Inc. Key No. 143).....	1	94	079027018172	Lock Nut (M6).....	4
69	079027018085	Movable Tank Clamp	2	95	079079007004	T-Joint	1
70	079027018086	Bolt (M6 x 12 mm, Flange Hex Hd.)	4	96	079079007702	Fixed Tank w/Frame Assembly	1
71	079027018706	Wheel Assembly (Incl. Key Nos. 72-76).....	2	97	079027018060	Pressure Release Valve.....	1
72	079027018036	Bushing	2	98	079079007005	Belt Shroud Assembly.....	1
73	079027018039	Washer (ID13 x OD37x 3t).....	2	99	079079007909	Removable Tank Label.....	1
74	079027018037	Spring Washer (12 mm).....	2	100	079027018104	Bolt (M6 x 75 mm, Flange Hex Hd.)	4
75	079027018038	Bolt (M12 x 80 mm, Flange Hex Hd.)	2	101	079079007908	Logo Label (Removable Tank).....	1
76	079027018040	Wheel	2	102	079027018018	Nut (M6)	4
77	079027018033	Elbow	1	103	079027018100	Bolt (M6 x 20 mm, Soc. Hex Hd.).....	2

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KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
104	079027018099	Shroud Block	2	129	079027018917	Icon Label	1
105	079027018098	Washer	1	130	079027018911	Fixed Tank Drain Label.....	1
106	079027018097	Spring Washer (M10).....	1	131	079079007904	Serial Number Label	1
107	079027018096	Bolt (M10 x 90 mm, Soc. Hex Hd.).....	1	132	079079007905	Data Label.....	1
108	079027018106	Bushing	1	133	079027018920	E85 Label	1
109	See Note	Pump Assembly (See Figure B)	1	134	079027018921	Add Oil Label	1
110	079027018025	Cord Clamp.....	3	135	079027018922	Ridgid Specifications Label	1
111	079079007703	Manifold Assembly (Incl. Key No. 110)	1	136	079079007010	Bolt (M6 x 10 mm, Flange Hex Hd.).....	1
112	079027018117	Unloader Valve	1	137	079027018924	Oil Hangtag	1
113	079027018703	Intake Tube Assembly.....	1	138	079027018925	Pull Knob Release Label	1
114	079027018163	Bolt (M5 x 8 mm, Hex Soc. Hd.)	1	139	079027018902	Zero Gravity Label.....	1
115	079027018164	Washer (ID5.3 x OD10 x 1t).....	1	140	079027018927	Combustion Warning Label	1
116	079027018162	Discharge Manifold Bracket.....	1	141	079027018942	Synthetic Oil Label	1
117	079079007907	Direction Arrow Label.....	2	142	940803288	EMC Label	1
118	079079007009	Throttle Bracket	1	143	079027018011	Valve Assembly	1
119	079027019903	Shroud Label.....	1	144	079027018165	Sleeve	1
120	079027018907	Regulator Knob Label	1	145	079027018166	Clamp.....	1
121	079027018908	Warning Label	2	146	079027018167	Lock Nut (M6).....	1
122	079079007903	Quick Start Icon Label	1	147	079027018168	Washer (ID6.4 x OD12 x 1.6t).....	5
123	079027018910	Portable Tank Drain Label	1	148	079027018169	Bolt (M6 x 16 mm, Hex Hd.).....	1
124	079027018912	Lock Pin Label	1	149	079027018188	Bolt (M8 x 50 mm, Hex Hd.).....	2
125	079027018913	Fire Danger Warning label.....	1	150	079027018185	Bracket.....	1
126	940778005	Hot Surface Warning (Muffer).....	1	151	079027018182	Bolt (M6 x 16 mm, Hex Soc. Hd.)	2
127	079027018915	Hot Surface Warning.....	1	152	079079007901	2 Pc. Ridgid Graphic Label	1
128	079027018916	Oil Fill Warning Label	1	153	079079007906	Recoil Label	1

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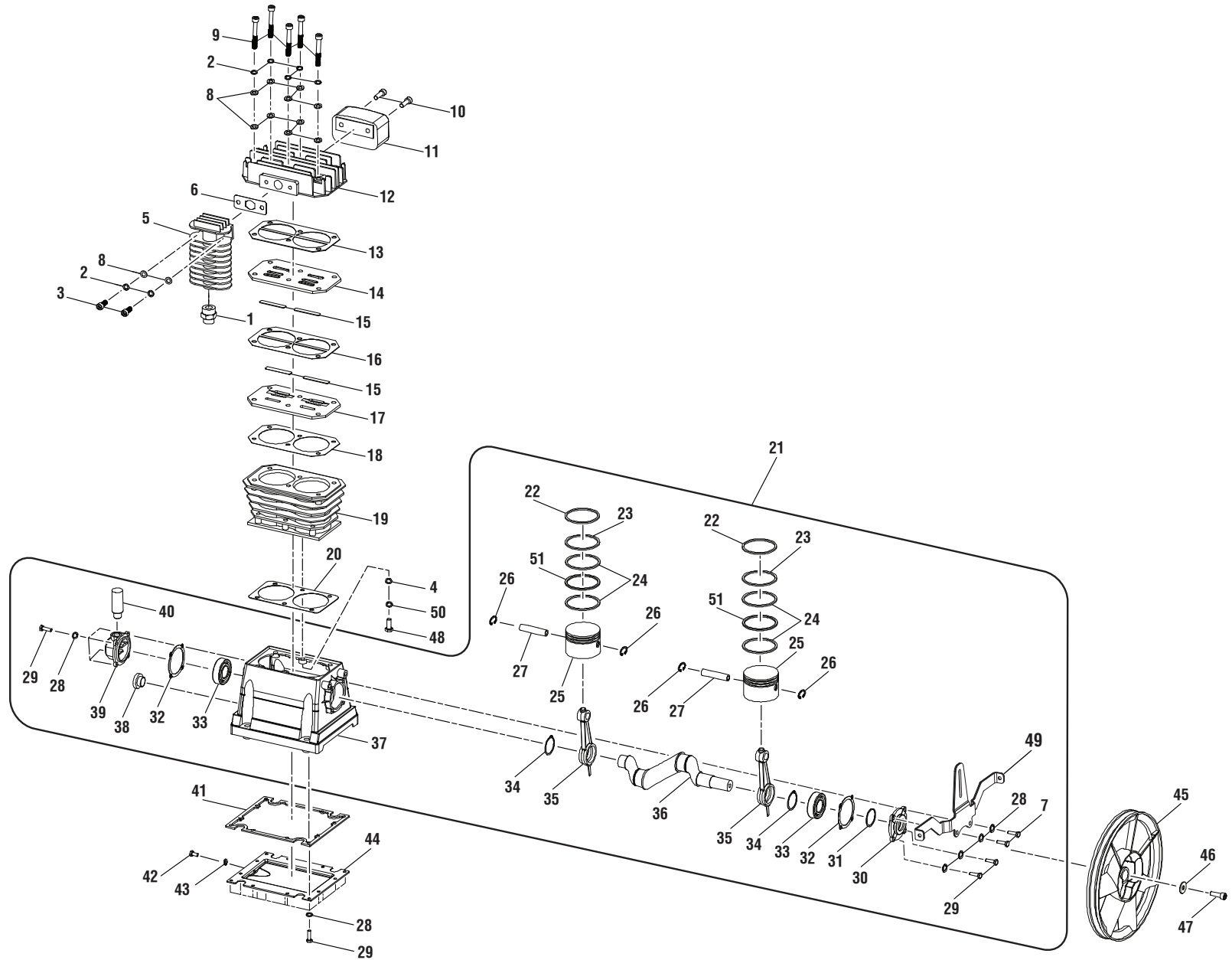


FIGURE B /
FIGURA B

RIDGID ZERO GRAVITY COMPRESSOR – MODEL NO. GP80150RTB

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KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	079027018147	Nipple.....	1	27	079027018125	Piston Pin.....	2
2	079027018161	Spring Washer (M8).....	7	28	079027018175	Spring Washer (M6).....	20
3	079027018146	Bolt (M8 × 35 mm, Soc. Hex Hd.).....	2	29	079027018174	Bolt (M6 × 16 mm, Hex Hd.)	18
4	079027018142	Washer (OD8.4 × ID16 × 1.6t).....	6	30	079027018176	Crankshaft Cover	1
5	079027018145	Cooling Tin.....	1	31	079027018177	Oil Seal.....	1
6	079027018143	Gasket (Cooling Tin).....	1	32	079027018178	Seal Cover.....	2
7	079027018159	Bolt (M6 × 20 mm, Soc. Hex Hd.).....	2	33	079027018179	Ball Bearing (6205).....	2
8	079027018160	Washer (OD8.4 × ID16 × 1.6t).....	12	34	079027018180	Clip (M35, #B Retaining Ring).....	2
9	079027018141	Bolt (M8 × 75 mm, Soc. Hex Hd.).....	5	35	079027018181	Connecting Rod.....	2
10	079027018140	Bolt (M8 × 25 mm, Soc. Hex Hd.).....	2	36	079027018126	Crankshaft.....	1
11	079027018139	Air Filter	1	37	079027018128	Crankcase	1
12	079027019017	Cylinder Cap	1	38	079027018150	Oil Sight Glass	1
13	079027018137	Cylinder Cap Gasket.....	1	39	079027018149	Oil Plug Cover.....	1
14	079027018134	Valve Plate (Upper).....	1	40	079027018148	Oil Plug.....	1
15	079027018135	Valve Block.....	4	41	079027018151	Gasket.....	1
16	079027018136	Valve Plate Gasket	1	42	079027018153	Bolt (M6 × 12 mm, Soc. Hex Hd.).....	1
17	079027018156	Valve Plate (Lower).....	1	43	079027018154	Washer (M6)	1
18	079027018133	Valve Plate Gasket	1	44	079027018152	Bottom Cover.....	1
19	079027018132	Cylinder	1	45	079027018120	Pulley.....	1
20	079027018131	Cylinder Gasket.....	1	46	079027018119	Washer (M8)	1
21	079027018714	Crankshaft Assembly (Incl. Key Nos. 7, 22-40 and 49).....	1	47	079027018118	Bolt (M8 × 30 mm, Soc. Hex Hd.).....	1
22	079027019015	Piston Ring.....	2	48	079027018129	Bolt (M8 × 25 mm, Hex Hd.)	6
23	079027019013	Piston Ring.....	2	49	079027019010	Bracket.....	1
24	079027019014	Oil Ring.....	4	50	079027018130	Spring Washer (M8).....	6
25	079027019012	Piston	2	51	079027019018	Piston Ring (Expander)	2
26	079027018121	Clip (M13, #A Retaining Ring)	4	Not Shown:			
					991000736	Emission Warranty Insert Page (079079007912)	
					995000015	Operator's Manual (079079007910)	
					3-17-17		
					(Rev:01)		

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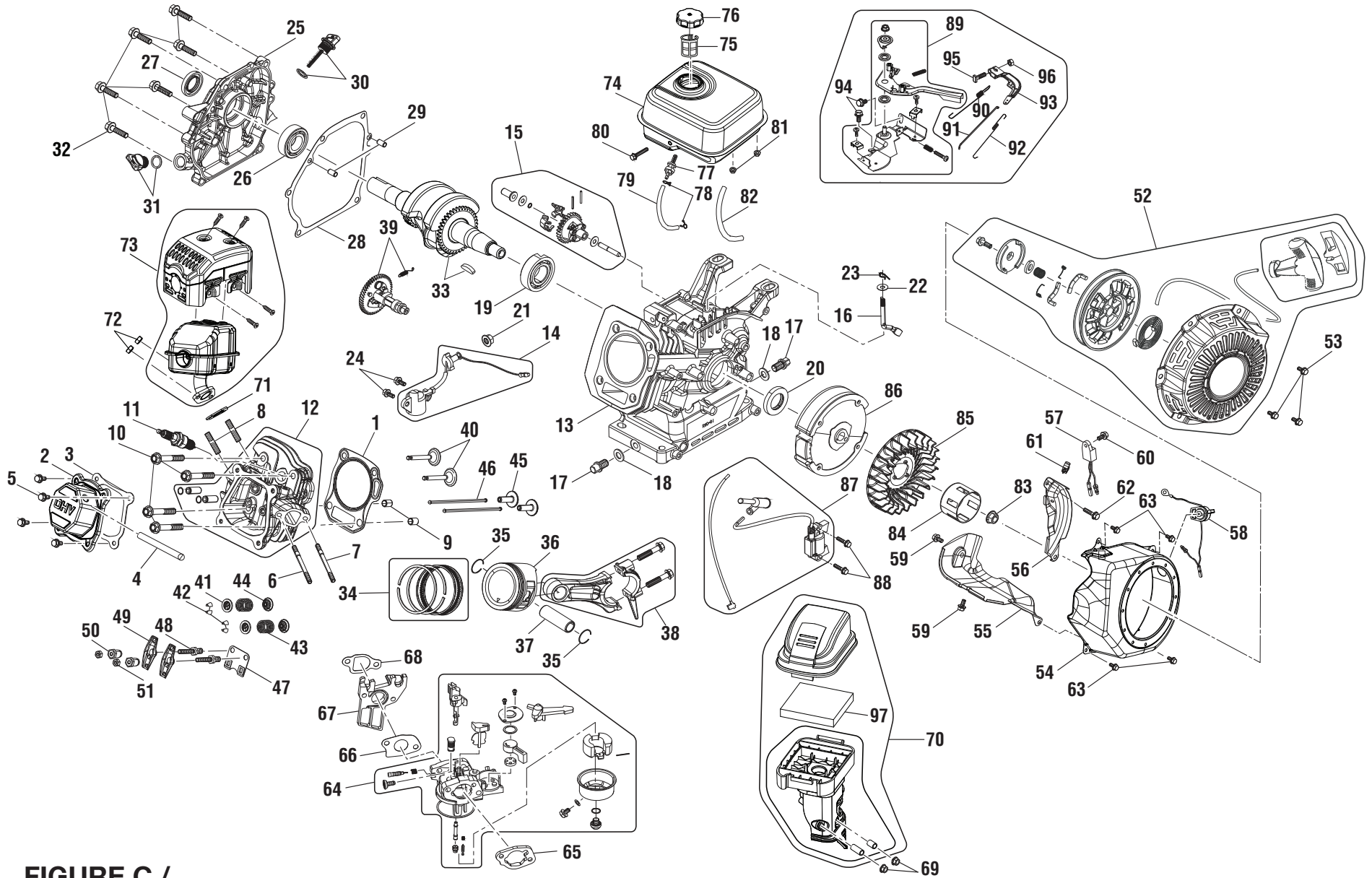


FIGURE C /
FIGURA C

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KEY NO.	PART NUMBER	DESCRIPTION	QTY	KEY NO.	PART NUMBER	DESCRIPTION	QTY
1	12131-Z530320-0000	Cylinder Head Gasket.....	1	27	90682-Z300110-0000	Oil Seal.....	1
2	12410-Z440110-0099	Cylinder Head Cover Assembly.....	1	28	11001-Z440110-0000	Crankcase Gasket	1
3	12004-Z440110-0000	Cylinder Head Cover Gasket	1	29	90502-0912-00	Pin	2
4	17004-Z440110-0000	Breather Tube.....	1	30	15010-Z010130-QG00	Oil Dipstick Assembly	1
5	90001-0612-01	Bolt.....	4	31	15030-Z010130-QG00	Engine Oil Plug Assembly	1
6	90204-Z010310-0000	Stud	1	32	90001-0832-01	Bolt.....	6
7	90207-Z330210-0000	Stud	1	33	13300-Z540910-0000	Crankshaft Assembly.....	1
8	90203-Z010110-0000	Stud	2	34	13200-Z140210-0099	Piston Ring Assembly.....	1
9	90502-1114-00	Pin.....	2	35	13122-Z010110-0000	Piston Pin Clip	2
10	12003-Z010110-0000	Cylinder Head Bolt.....	4	36	13111-Z140220-0099	Piston.....	1
11	30010-Z010210-0000	Spark Plug	1	37	13121-Z010110-0000	Piston Pin.....	1
12	12140-Z810210-0000	Cylinder Head Assembly.....	1	38	13010-Z440210-0099	Connecting Rod.....	1
13	11310-Z530420-0099	Crankcase Assembly	1	39	14200-Z530110-0099	Camshaft Assembly.....	1
14	37060-Z010120-0000	Engine Oil Sensor	1	40	12110-Z810120-0099	Valve (Set of Two).....	1
15	16400-Z010110-0000	Governor Gear Assembly.....	1	41	12112-Z810110-0000	Valve Spring Seat.....	2
16	16061-Z010110-0000	Governor Arm	1	42	12109-Z810110-0000	Valve Lock Clamp	4
17	11007-Z010110-0000	Drain Plug Bolt.....	2	43	12103-Z010110-0000	Valve Spring	2
18	90408-Z010110-0000	Washer	2	44	12101-Z810210-0000	Seal Guide	2
19	90547-0205-CL	Ball Bearing.....	1	45	14081-Z040110-0000	Valve Tappet.....	2
20	90682-Z300110-0000	Oil Seal.....	1	46	14071-Z440110-0000	Valve Lifter	2
21	90305-Z010210-01	Lock Nut	1	47	14090-Z010110-0000	Lifter Stopper Plate Assembly	1
22	90408-Z010210-0000	Washer	1	48	14313-Z010110-0000	Valve Adjustment Bolt.....	2
23	90501-Z010110-0000	Pin.....	1	49	14311-Z010110-0000	Valve Rocker	2
24	90001-0614-01	Bolt.....	2	50	14314-Z010110-0000	Valve Adjustment Nut.....	2
25	11411-Z440210-0000	Crankcase Cover	1	51	14312-Z010110-0000	Valve Lock Nut	2
26	90547-0205-CL	Ball Bearing.....	1	52	28200-Z440610-H600	Recoil Starter Assembly.....	1

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53	90001-0608-01	Bolt.....	3	78	90740-Z010510-0000	Collar.....	2
54	28110-Z010410-H300	Shroud	1	79	90686-Z010710-0000	Fuel Tube	1
55	19304-Z010110-0000	Cylinder Body Shroud.....	1	80	90007-0630-A1	Bolt.....	1
56	19340-Z010120-0000	Lower Shield	1	81	90305-0600-31	Lock Nut	2
57	37050-Z010210-0000	Oil Protector.....	1	82	30431-Z010110-0000	Rubber Jacket.....	1
58	35540-Z060140-QG00	Stop Engine Switch Assembly.....	1	83	13501-Z010110-0000	Flywheel Nut	1
59	90001-0610-01	Bolt.....	2	84	28002-Z300110-0000	Starter Pulley.....	1
60	90001-0612-01	Bolt.....	1	85	19352-Z440110-0000	Impeller	1
61	90740-Z010110-0000	Collar.....	1	86	13510-Z440410-0000	Flywheel Assembly	1
62	90001-0616-01	Bolt.....	1	87	30400-Z440110-0100	Ignition Coil	1
63	90001-0612-01	Bolt.....	4	88	90001-0625-01	Bolt.....	2
64	16100-Z530610-QH99	Carburetor Assembly	1	89	16520-Z010430-0000	Throttle Control Assembly	1
65	17001-Z010210-0000	Air Cleaner Gasket.....	1	90	16063-Z540110-0000	Governor Spring	1
66	16001-Z010110-0000	Carburetor Gasket	1	91	16062-Z010110-0000	Governor Rod	1
67	16003-Z010110-0000	Carburetor Insulator Plate.....	1	92	16012-Z010110-0000	Throttle Valve Returning Spring	1
68	16002-Z050110-0000	Carburetor Insulator Gasket	1	93	16070-Z010110-0000	Governor Support Assembly	1
69	90305-0600-31	Lock Nut	2	94	90001-0610-01	Bolt.....	2
70	17100-Z440220-0099	Air Cleaner	1	95	16072-Z010110-0000	Governor Support Bolt	1
71	18001-Z440110-0000	Exhaust Outlet Gasket.....	1	96	90305-0600-31	Nut	1
72	90303-0800-31	Lock Nut	2	97	17151-Z440110-0000	Air Cleaner Element Assembly.....	1
73	18100-Z443210-H300	Muffler Assembly	1	Not Shown:			
74	16620-Z440410-H700	Fuel Tank.....	1	93140-Z531410-0000-S	High Altitude Kit (3000–6000 ft.) SP Carburetor		
75	16652-Z010710-0000	Fuel Strainer.....	1	93141-Z531410-0000-S	High Altitude Kit (6000–8000 ft.) SP Carburetor		
76	16730-Z440210-LK00	Fuel Tank Cover	1				
77	16680-Z010110-0000	Fuel Tank Oil Outlet Assembly	1				