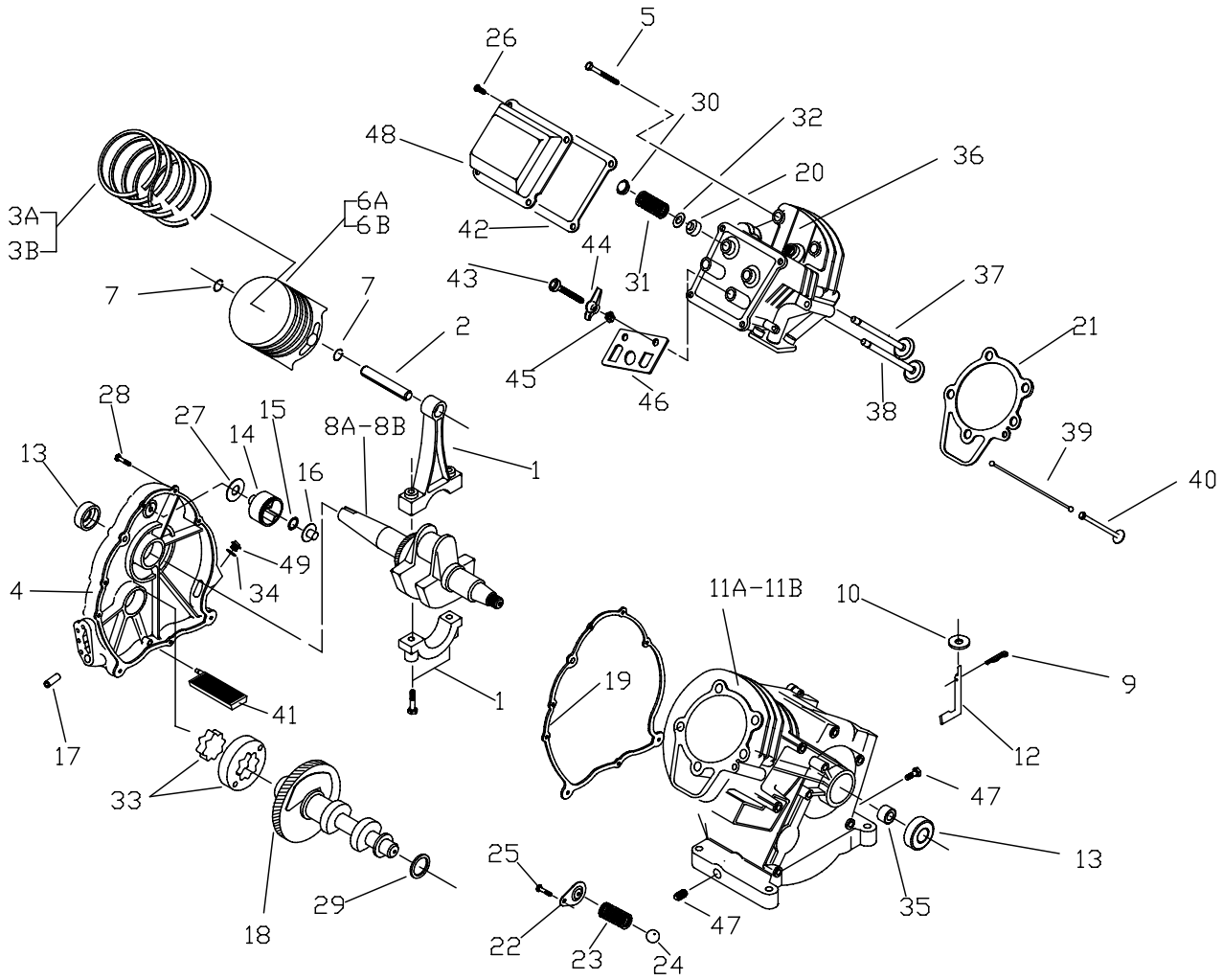
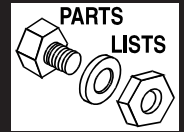


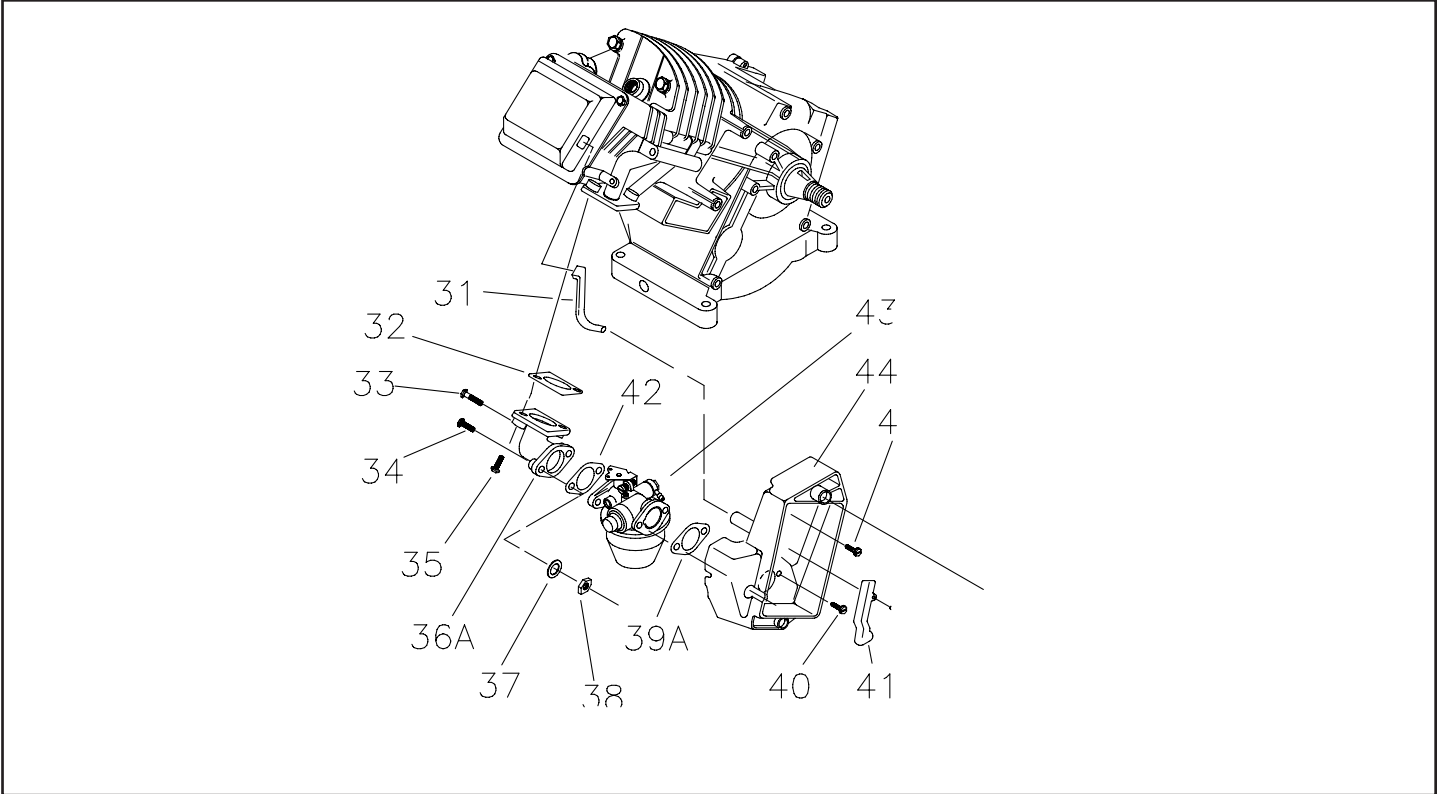
EXPLODED VIEW — SHORT BLOCK




SHORT BLOCK

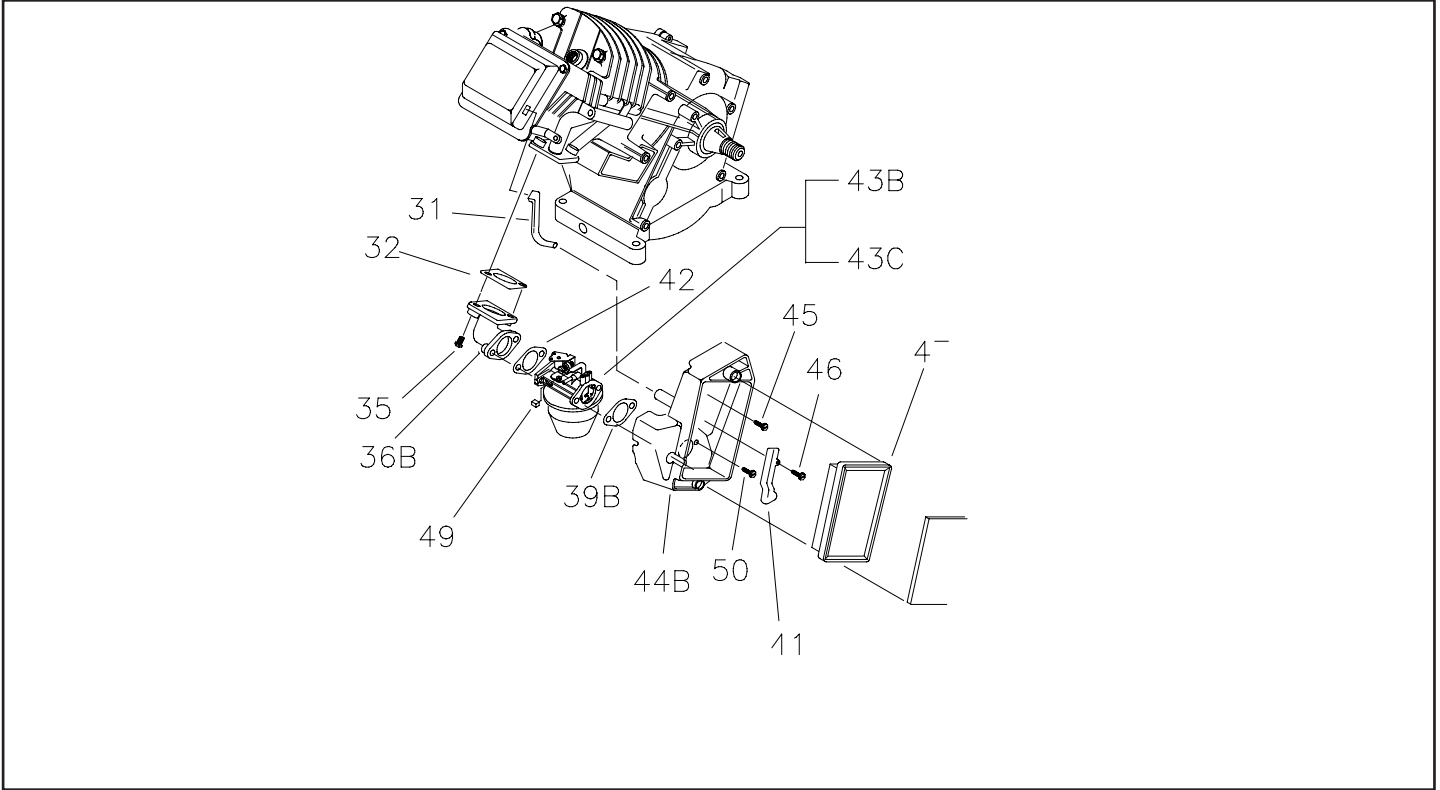
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>QTY.</u>	<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PART NO.</u>	<u>QTY.</u>
N/A	Long Block Assembly (190cc used with Item 8A)	21942E	1	28	M8-1.25 x 35mm Screw	89230	6
	Long Block Assembly (190cc used with Item 8B)	21943E	1	29	Spring Washer	99922	1
	Long Block Assembly (220cc used with Item 8A)	21944E	1	30	Valve Spring Retainer	A1720	Use kit D2489
	Long Block Assembly (220cc used with Item 8B)	21945E	1	31	Valve Spring	88401	Use kit D2489
1	Control Rod Assembly	78621	1	32	Valve Spring Wear Washer	84186	2
2	Piston Pin	76389	1	33	Geroter Set	83192	1
3A	Piston Ring Set [190cc]	78660	1	34	"O" Ring	86254	1
3B	Piston Ring Set [220cc]	88411	1	36	Cylinder Head Assembly	21705B	1
4	Gear Cover Assembly	A8897A	1	37	Exhaust Valve	90082	Use kit D2489
5	M8 x 52mm Head Bolt	77168	5	38	Intake Valve	90081	Use kit D2489
6A	Piston [190cc]	90325	1	39	Push Rod	88396A	2
6B	Piston [220cc]	88057	1	40	Tappet	83235	2
7	Pin Retainer Ring	76390	2	41	Oil Pick-up Assembly	80336	1
8A	Tapered Crankshaft Assm.	83337A	1	42	Rocker Cover Gasket	96362	1
8B	Straight Crankshaft Assm.	83338A	1	43	Pivot Ball Stud	77161	2
9	Governor "R" Pin	78658	1	44	GN-190/220 Rocker Arm	77160	2
10	Gov. Arm Thrust Washer	78659	1	45	Rocker Arm Jam Nut	76307	2
11A	Crankcase Assm. [190cc]	89213K	1	46	Push Rod Guide Plate	88403	1
11B	Crankcase Assm. [220cc]	89213J	1	47	1/4" NPT Pipe Plug	72657	2
12	Governor Arm	A7637	1	48	Rocker Cover Assembly	88412	1
13	Oil Seal	81695	2	49	Plastic Oil Fill Plug	76329	1
14	Governor Gear Assembly	A8929	1				
15	Governor Gear C-Ring	78645	1				
16	Governor Spool	A7811	1				
17	1/8" NPT Pipe Plug	72683	1				
18	Camshaft Assembly	98752	1				
19	Crankcase Gasket	89096	1				
20	Valve Stem Seal	88156	1				
21	Cylinder Head Gasket	A8822	1				
22	Oil Pressure Relief Cover	78691	1				
23	Oil Pressure Spring	A5772	1				
24	11/32" Ball	A5776	1				
25	M5 Form Screw	74908	1				
26	M6-1.0 x 12mm Screw	78606	4				
27	Gov. Gear Thrust Washer	76361	1				

EXPLODED VIEW — AIR CLEANER AND CARBURETOR - PRIMER TYPE



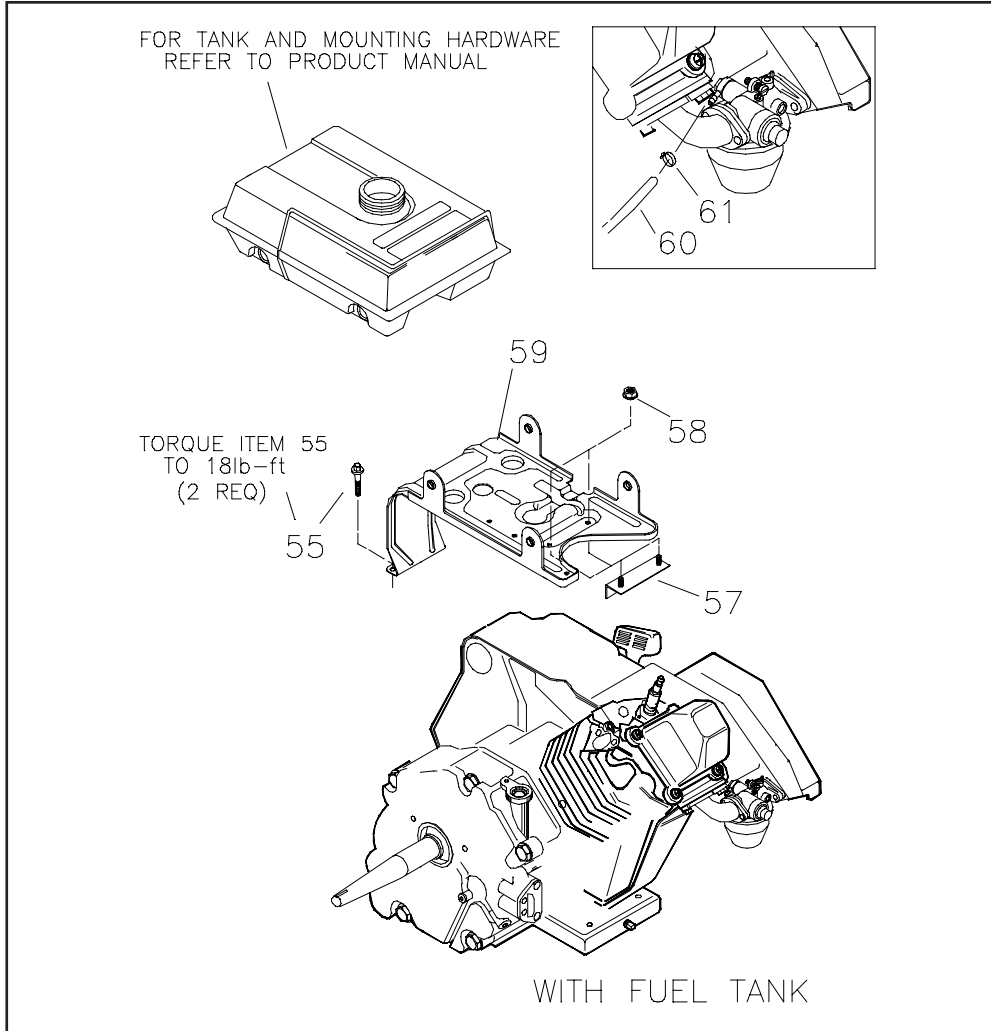
ITEM	DESCRIPTION	PART NO.	QTY.
31	Breather Hose	90947	1
32	Manifold Head Gasket	90051	1
33	M6 x 55mm Capscrew	57058	1
34	M6 x 25mm Capscrew	80318	1
35	M6 x 30mm Screw	80316	2
36A	Intake Manifold	20136	1
37	M6 Lock Washer	22097	2
38	M6 Hex Nut	49813	2
39A	Carburetor/Air Box Gasket	21202	1
40	#10-32 x 3/4" Screw	36935	2
41	Canal Cover	80303	1
42	Carburetor/Manifold Gasket	21201	1
43A	Dellorto Carburetor	21203	1
44A	Air Cleaner Base	21200	1
45	M6 x 12mm Capscrew	66476	1
46	#8 x 3/8" Plastite Screw	59635	1
47	Air Filter	78601	1
48	Precleaner	78602	1

AIR CLEANER AND CARBURETOR - CHOKE TYPE



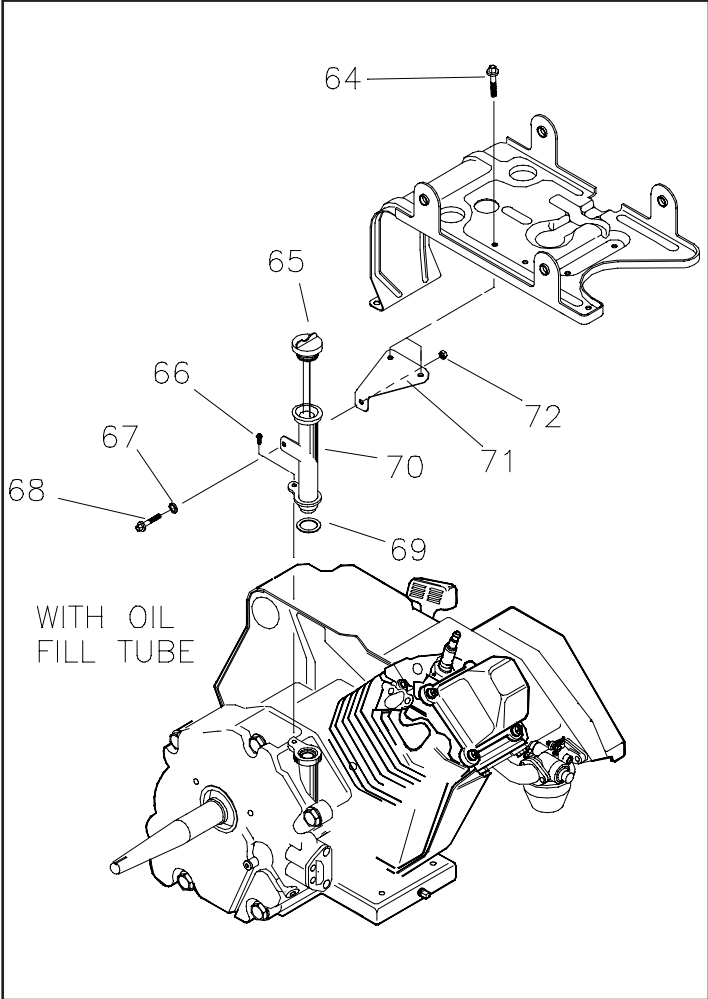
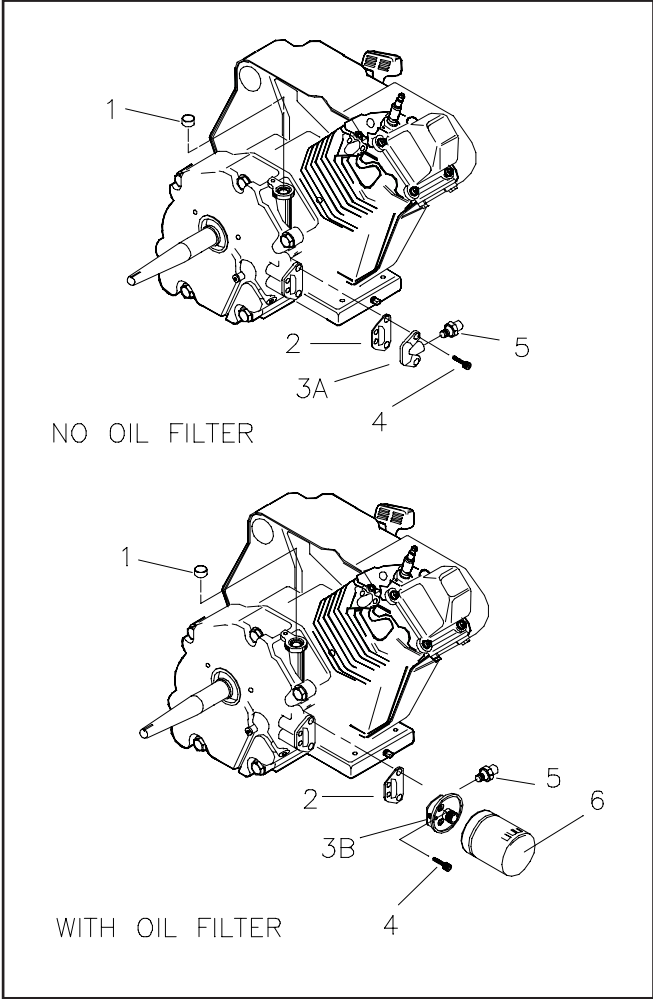
ITEM	DESCRIPTION	PART NO.	QTY.
31	Breather Hose	90947	1
32	Manifold Head	90051	1
	Gasket		
35	M6 x 30mm Screw	80316	2
36B	Intake Manifold	90948	1
39B	Carburetor /Air Box	91846	1
	Gasket		
41	Canal Cover	80303	1
42	Carburetor Manifold	78631	1
	Gasket		
43B	Carburetor (190cc)	98469	1
43C	Carburetor (220cc)	97747	1
44B	Air Cleaner Base	78607	1
45	M6 x 12mm Capscrew	66476	1
46	#8 x 3/8" Plastite Screw	59635	1
47	Air Filter	78601	1
48	Precleaner	78602	1
49	Choke Knob	83504	1
50	Curb Bolt	78643	2

EXPLODED VIEW — GAS TANK



ITEM	PART #	QTY.	DESCRIPTION
55	83512	2	M6 X 15 Taptite
57	95213	1	Tank Bracket
58	77395	2	M6 Flange Nut
59	95214	1	Tank Cradle
60	30340	12"	1/4" ID Hose
61	48031C	1	Hose Clamp

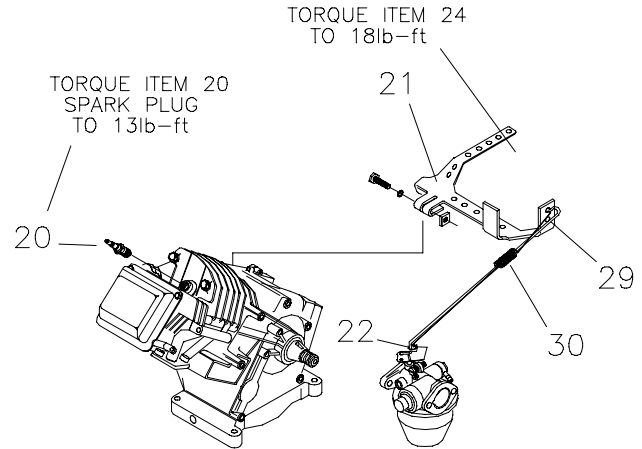
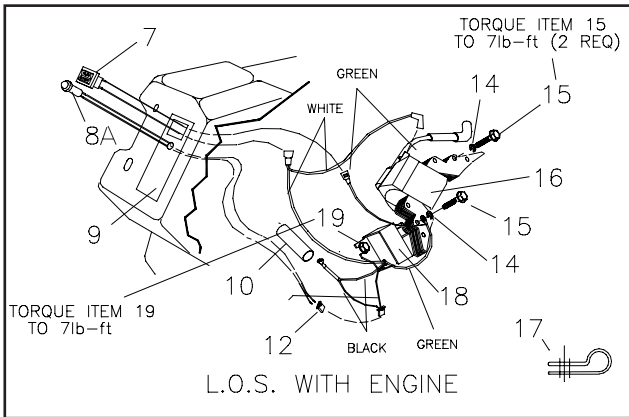
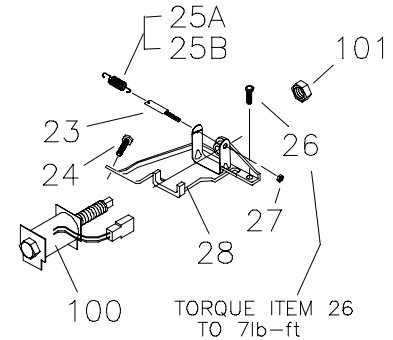
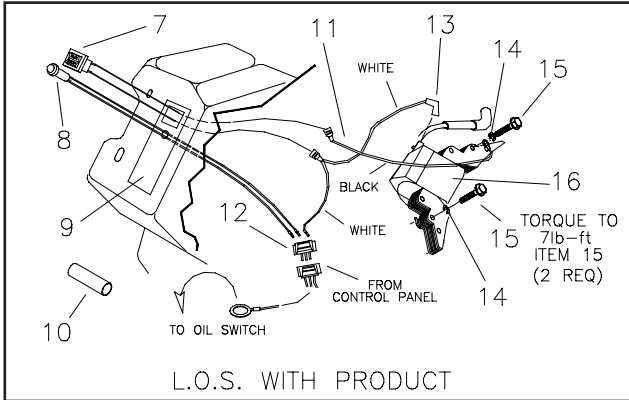
EXPLODED VIEW — OIL FILTER AND OPTIONAL OIL FILL TUBE



ITEM	PART #	QTY.	DESCRIPTION
1	94820	1	Expansion Plug
2	91848	1	Oil Filter Gasket
3A	88758	1	Oil Blockoff
3B	84982	1	Oil Filter Adapter
4	92978	2	M6 X 18 Taptite
5	99236	1	Oil Press Switch
6	70185	1	Oil Filter

ITEM	PART #	QTY.	DESCRIPTION
64	74908	2	M5 X 12 Taptite
65	91475	1	Dipstick ASM
66	90388	1	M6 X 12 Taptite
67	22473	1	M6 Flat Washer
68	47411	1	M6 X 16 HHCS
69	91230	1	Rubber Washer
70	91041	1	Fill Tube
71	95997	1	Oil Fill Brkt
72	77395	1	M6 Flange Nut

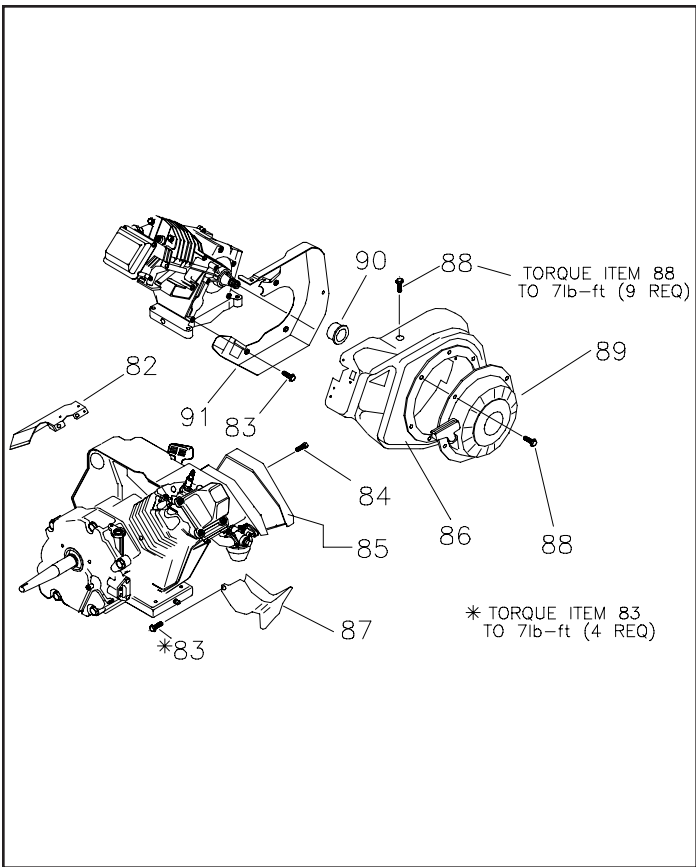
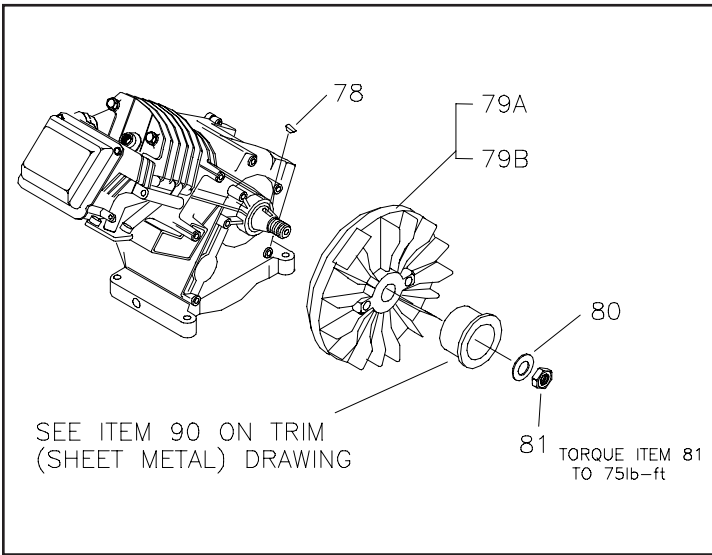
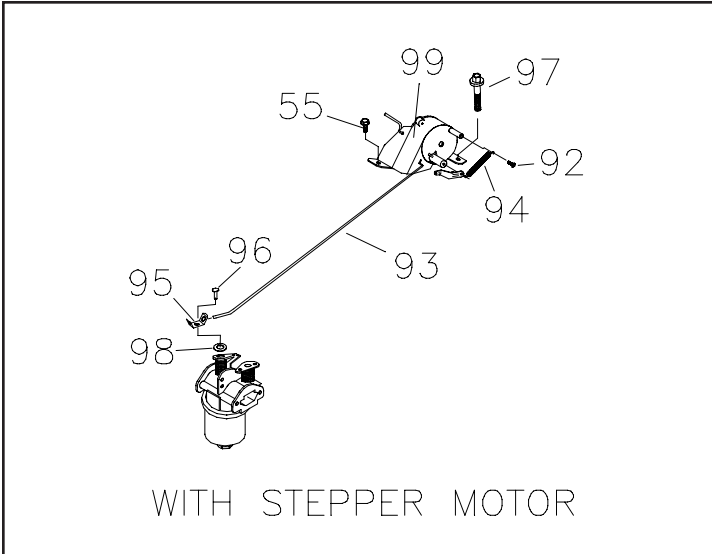
EXPLODED VIEW — LOW OIL SHUTDOWN AND GOVERNOR



ITEM	PART #	QTY.	DESCRIPTION
7	78653	1	Run/Stop Switch
8	85272	1	LED Assembly
8A	86753	1	LED Assembly
9	84195	1	L.O.S. Decal
10	85620	1	Black Sleevings
11	00285271	1	Black Wire Assembly
12	84329	1	3 Pin Male HSG
13	00185271	1	White Wire Assembly
14	22097	2	M6 Lockwasher
15	82981	2	M6 X 30 Taptite
16	81675	1	Ignition Coil
17	84274	1	Tinnerman Clamp
18	87221A	1	L.O.S. Module
19	45756	1	M6 x 10mm Screw
20	72347	1	Sparkplug

ITEM	PART #	QTY.	DESCRIPTION
21	86962	1	Governor Lever
22	85953	1	Wear Washer
23	83502	1	Adjust Screw
24	83512	1	M8 X 15 Taptite
25A	78604	1	60Hz Gov. Spring
25B	86643	1	50Hz Gov. Spring
26	66476	1	M6 X 12 HHCS
27	83503	1	M5 Lock Nut
28	83781	1	Governor Brkt.
29	86384	1	Governor Rod
30	86037	1	Anti-Lash Spring
100	83782	1	Idle Coil ASM
101	66311	1	M8 — 1.25 Jam Nut

EXPLODED VIEW — STEPPER MOTOR, FLYWHEEL, RECOIL STARTER



ITEM	PART #	QTY.	DESCRIPTION
55	83512	2	M8 X 15 Taptite
78	82774	1	Woodruff Key
79A	SRV77182T	1	191 Flywheel
79B	SRV77182E	1	220 Flywheel
80	83312	1	Conical Washer
81	81810	1	M16 Hex Nut
82	92984	1	Top Wrapper
83	45756	4	M6 X 10 Taptite
84	78609	2	Cover Bolts

ITEM	PART #	QTY.	DESCRIPTION
85	78608A	1	Air Box Cover
86	90695A	1	Blower Housing
87	89739	1	Lower Wrapper
88	66476	9	M6 X 12 HHCS
89	A2799	1	Recoil Assembly
90	A2842	1	Recoil Cup
91	78651C	1	Backplate
92	59636	1	#4 X 3.37 Long
93	86296	1	Governor Rod
94	88905	1	Extension Spring
95	89477	1	Spring Clip
96	89478	1	Snap Button
97	40976	1	SHCS M8—1.25 X 20
98	90192	1	Carb Wear Washer
99	92059	1	Stepper Motor