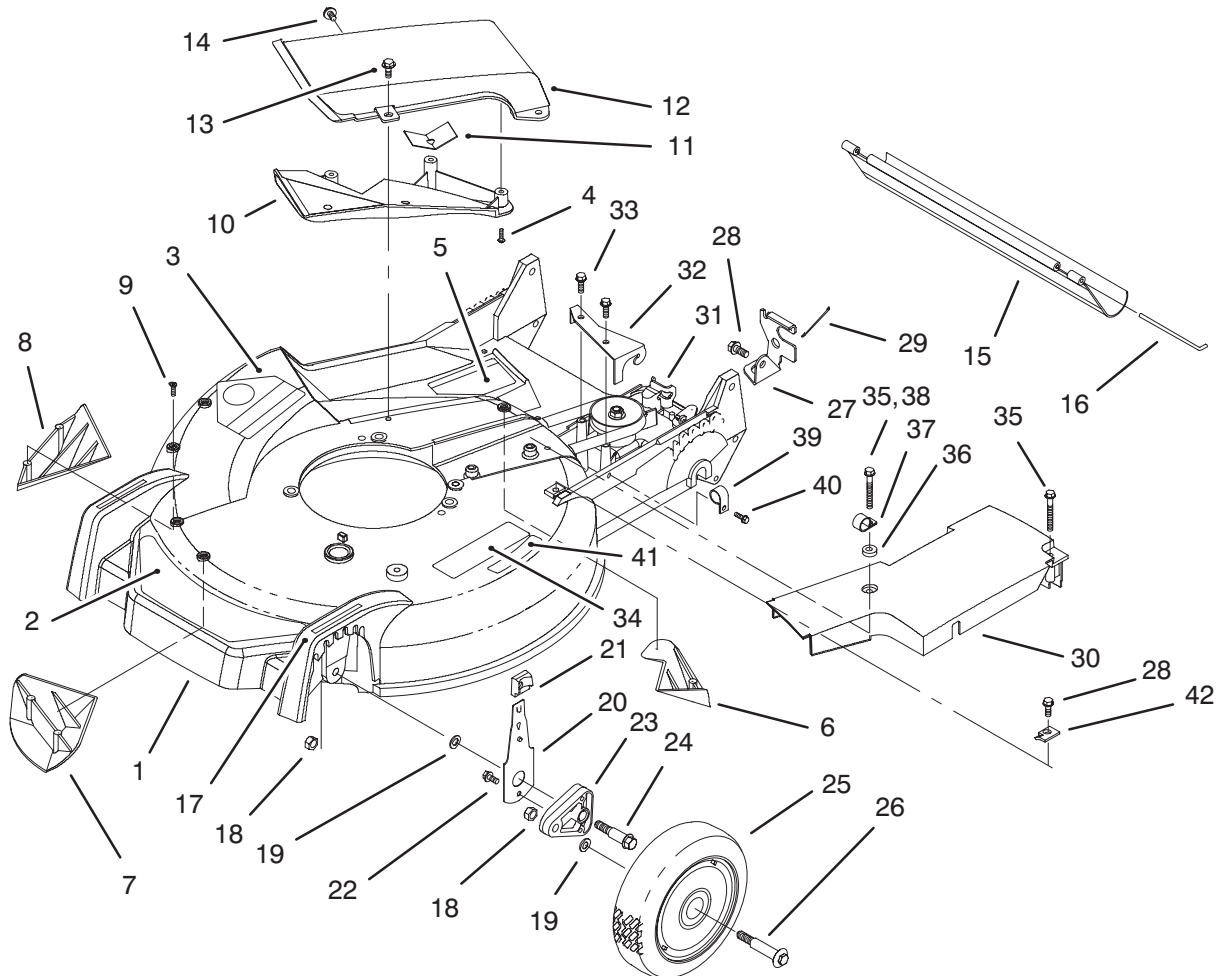


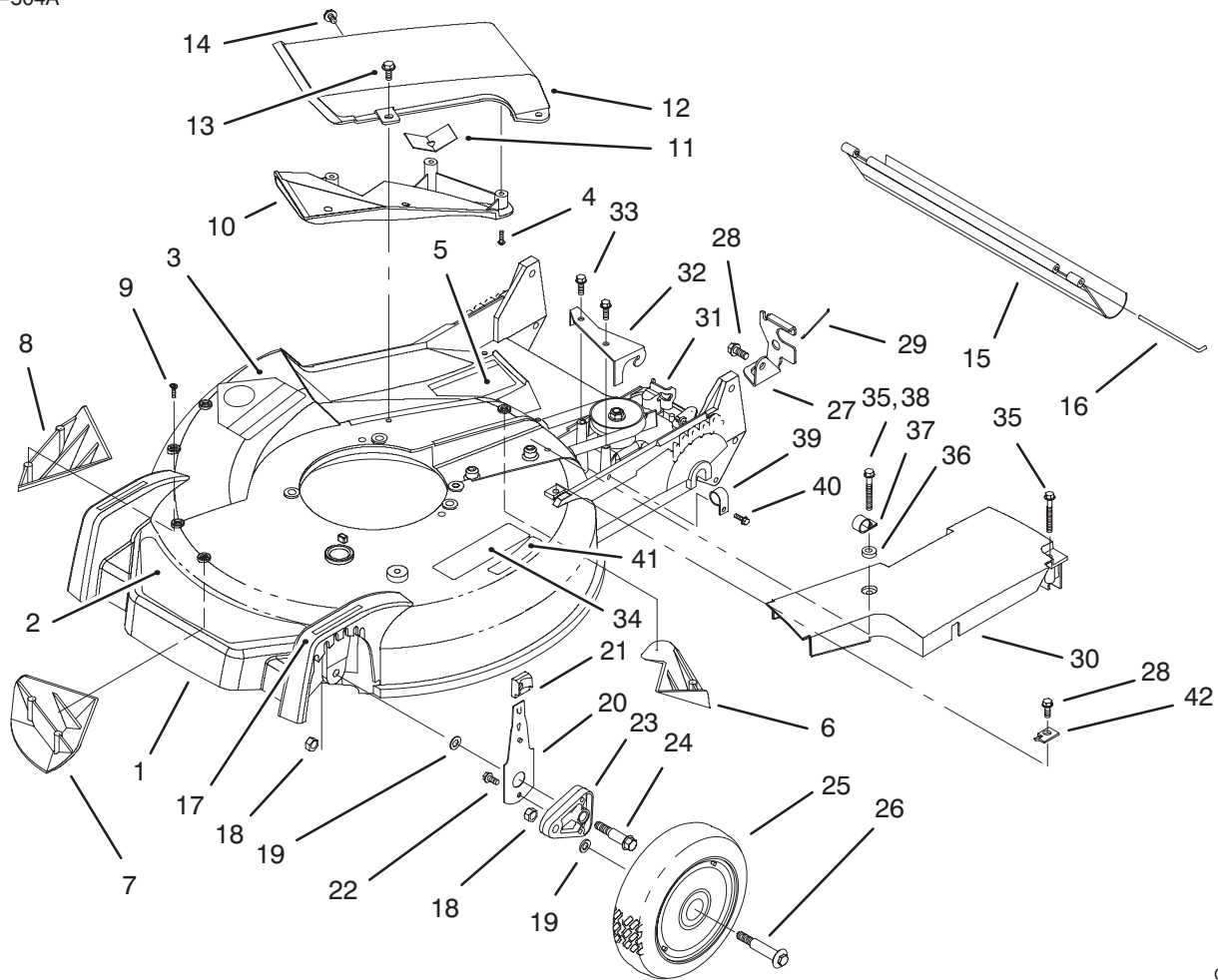

MODEL NO. 20465-5900001 & UP
MODEL NO. 20466-5900001 & UP
PARTS
CATALOG
21" RECYCLER[®]
Mower


C-2267

HOUSING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	16-9589	Housing - 21" (Incl. Ref. #1, 3, 5-9 pg. 1) (Incl. Ref. # 34, & 41 pg. 2)	1
2	93-3696	Decal - Deck	1
3	43-8480	Decal - Danger	1
4		Screw - PPH	5
5	82-8450	Decal - Danger Deck	1
6	92-1750	Plate - Kicker Rear	1
7	92-1720	Kicker - RH Front	1
8	92-1730	Kicker - LH Front	1
9	32144-111	Screw - PPH	6
10		Deflector - Recycler	1
11		Guard - Cover	1
12	14-4069	Cover - Recycler (Incl. Ref. #4, 10-11)	1
13	46-6811	Screw - Hex Washer Hd.	3
14	46-6810	Screw - Hex Washer Hd.	1

Ref. No.	Part No.	Description	No. Used
15	44-0580	Shield - Trailing	1
16	33-3208	Rod - Shield	1
17	92-2279	Decal - HOC	4
18	3296-6	Nut - Lock	6
19	40-1940	Washer	4
20	66-0541	Spring Arm Ass'y - Front	2
21	25-7740	Knob - Arm	4
22	32144-85	Screw - Hex Hd.	4
23	66-0580	Arm - Pivot	2
24	66-0560	Screw - Shoulder	2
25	14-9989	Wheel & Tire Assembly	2
26	27-6232	Bolt - Wheel	4
27	82-5680	Bracket - Adjustment Trac.	1
28	32144-70	Screw - Tapping	5
29	46-7030	Retainer - Cable	1
30	82-9910	Cover - Belt	1
31	62-6673	Gear Case Assembly	1

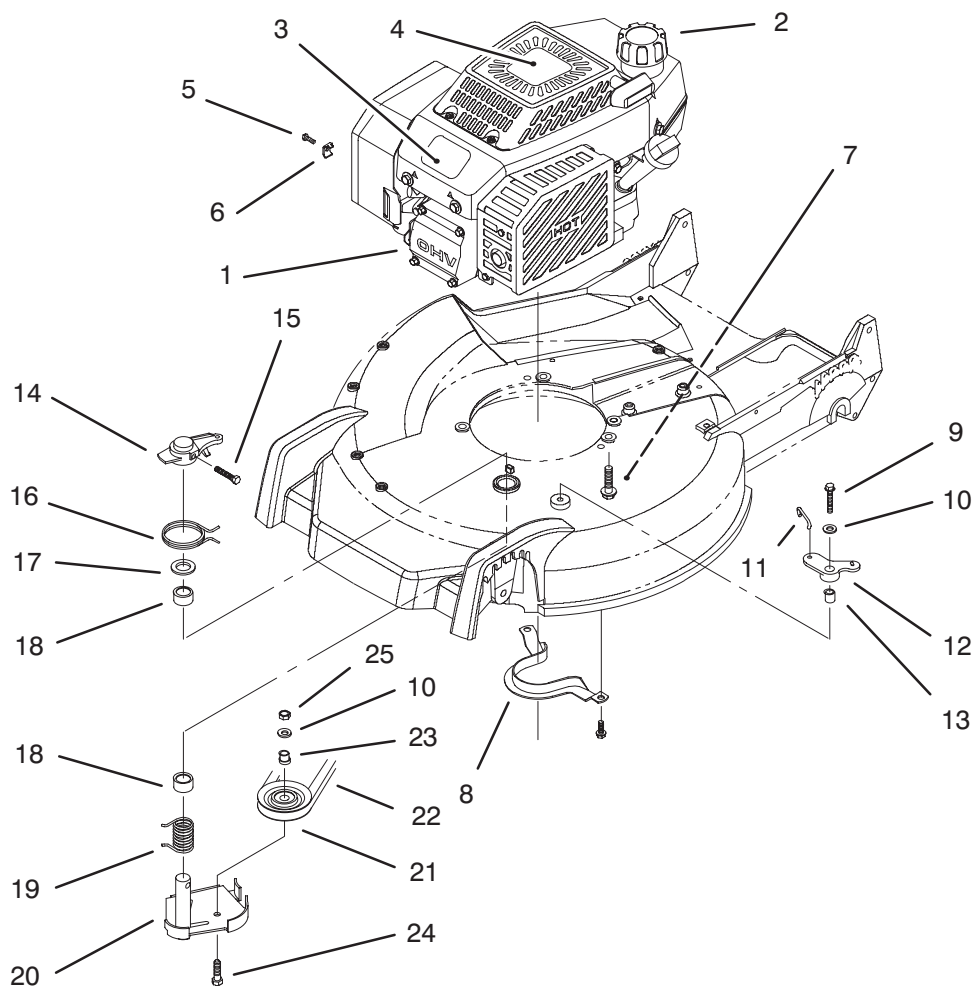


C-2267

HOUSING ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
32	62-4320	Bracket - Guide Belt	1
33	49-2040	Screw - Hex Hd.	2
34	93-0248	Decal - Warning	1
35	37-7260	Screw - Tapping (Model No. 20465 Only)	2
35	37-7260	Screw - Tapping (Model No. 20466 Only)	1
36	3-5792	Washer (Model No. 20466 Only)	1
37	2412-87	Clamp - Cable (Model No. 20466 Only)	1

Ref. No.	Part No.	Description	No. Used
38	37-7262	Screw - Special (Model No. 20466 Only)	1
39	2412-83	R-Clamp (Model No. 20466 Only)	1
40	32144-112	Screw - Thr'd Form (Model No. 20466 Only)	1
41	46-7370	Decal - Step Pad	1
42	62-3720	Clamp - Cable	1

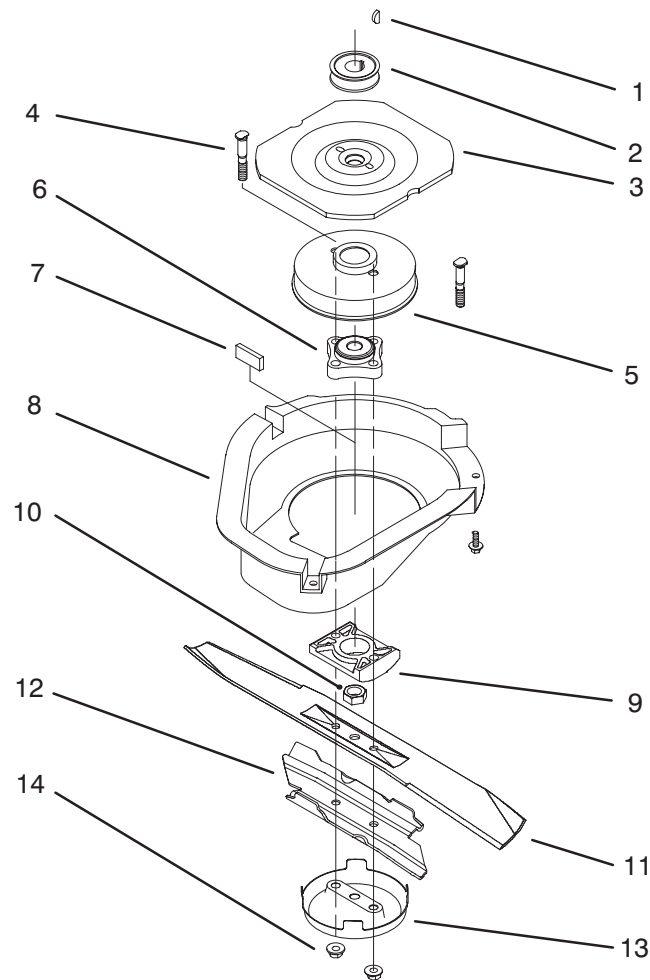


C-2268

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	77-8981	Engine - GTS 150 (Model No. 20465 Only)	1	7	32144-102	Screw	3
1	94-1605	Engine - GTS 150 (Model No. 20465 Only)		8	66-0570	Guide - Belt	1
1	77-8991	Engine - GTS 150 (Model No. 20466 Only)		9	32104-107	Screw - Hex Hd.	1
1	94-1606	Engine - GTS 150 (Model No. 20466 Only)		10	3256-23	Washer - Flat	2
			1	11	49-2810	Link - Control	1
			1	12	49-7960	Crank - Bell	1
			1	13	49-7950	Sleeve - Bell Crank	1
			1	14	49-2820	Lever	1
			1	15	32104-96	Screw - Hex Socket Hd.	1
			1	16	49-7970	Spring - Torsion Upper	1
			1	17	70-1160	Washer - PM	1
			1	18	68-9780	Bearing	2
			1	19	46-5670	Spring - Torsion Lower	1
			1	20	49-7920	Brake Plate Assembly	1
			1	21	46-5650	Pulley - Idler	1
			1	22	42-0884	V-Belt - BBC	1
			1	23	46-5630	Hub - Pulley Idler	1
			1	24	322-16	Screw - Hex Hd. Cap	1
			1	25	3296-47	Nut - Lock	2
			1	*	77-9280	Short Block	1
2	55-3570	Gas Cap Assembly	1				
3	92-2289	Plate - Logo Toro	1				
4	93-3699	Decal - Engine	1				
5	93-8470	Screw - Clamp (P/W Eng.)	1				
6	2210-249	Clamp - Casing (P/W Eng.)	1				

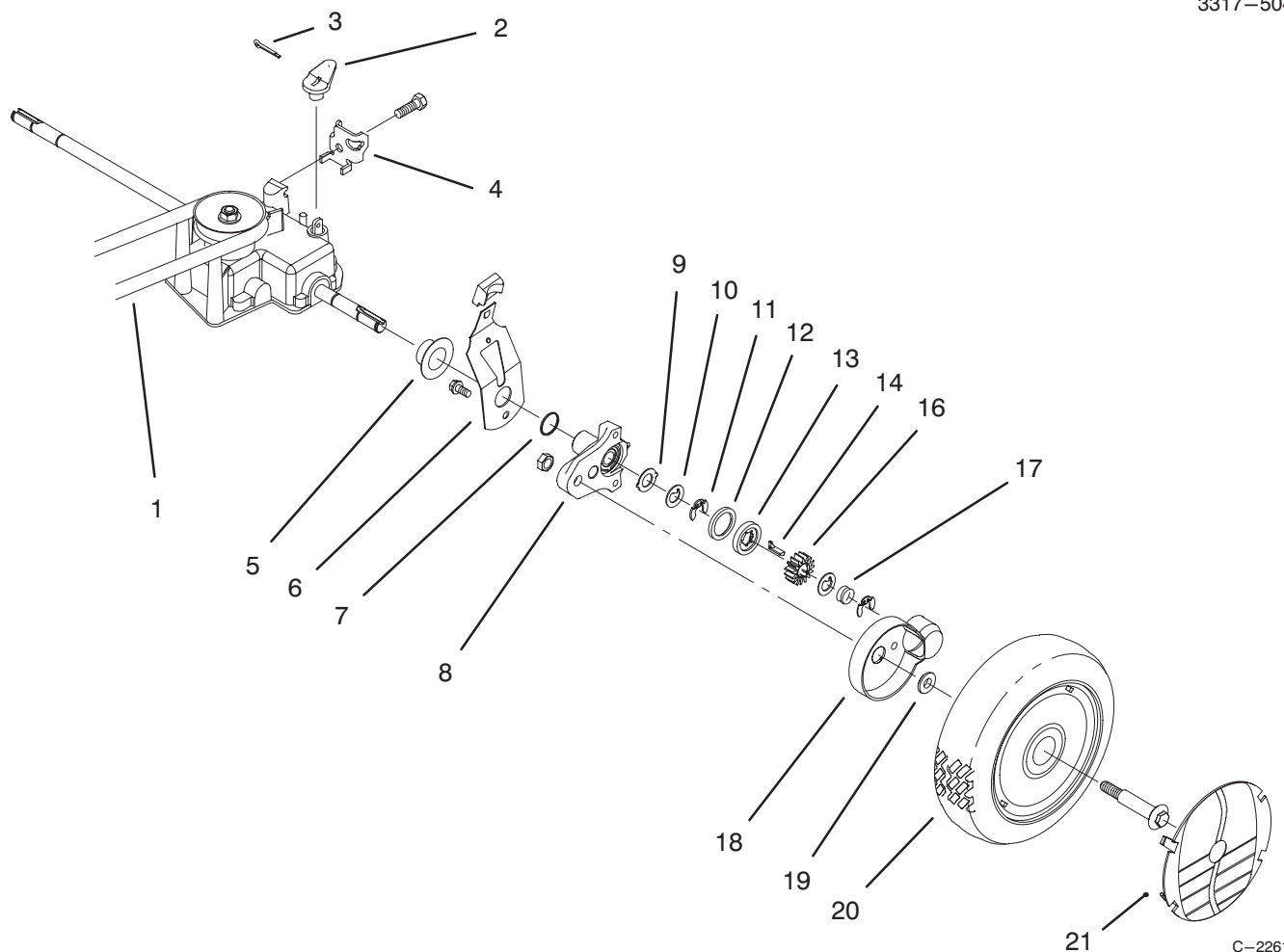
*Not Illustrated



C-2269

BLADE BRAKE CLUTCH ASSEMBLY

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	3257-17	Key - Woodruff	1	8	46-5690	Shield - BBC	1
2	62-7560	Pulley - Driver	1	9	93-4126	Spacer - Blade	1
3	56-6160	Flywheel - BBC	1	10	3296-33	Nut - Lock	1
4	42-3190	Bolt - Blade	2	11	93-4106	Blade - 21"	1
5	56-6170	Drum - Brake	1	12	93-4181	Stiffener - Blade	1
6	42-6890	Hub Assembly - BBC	1	13	80-2770	Cup - Anti Scalp	1
7	52-3480	Damper - Vibration	2	14	54-9190	Nut - Lock	2



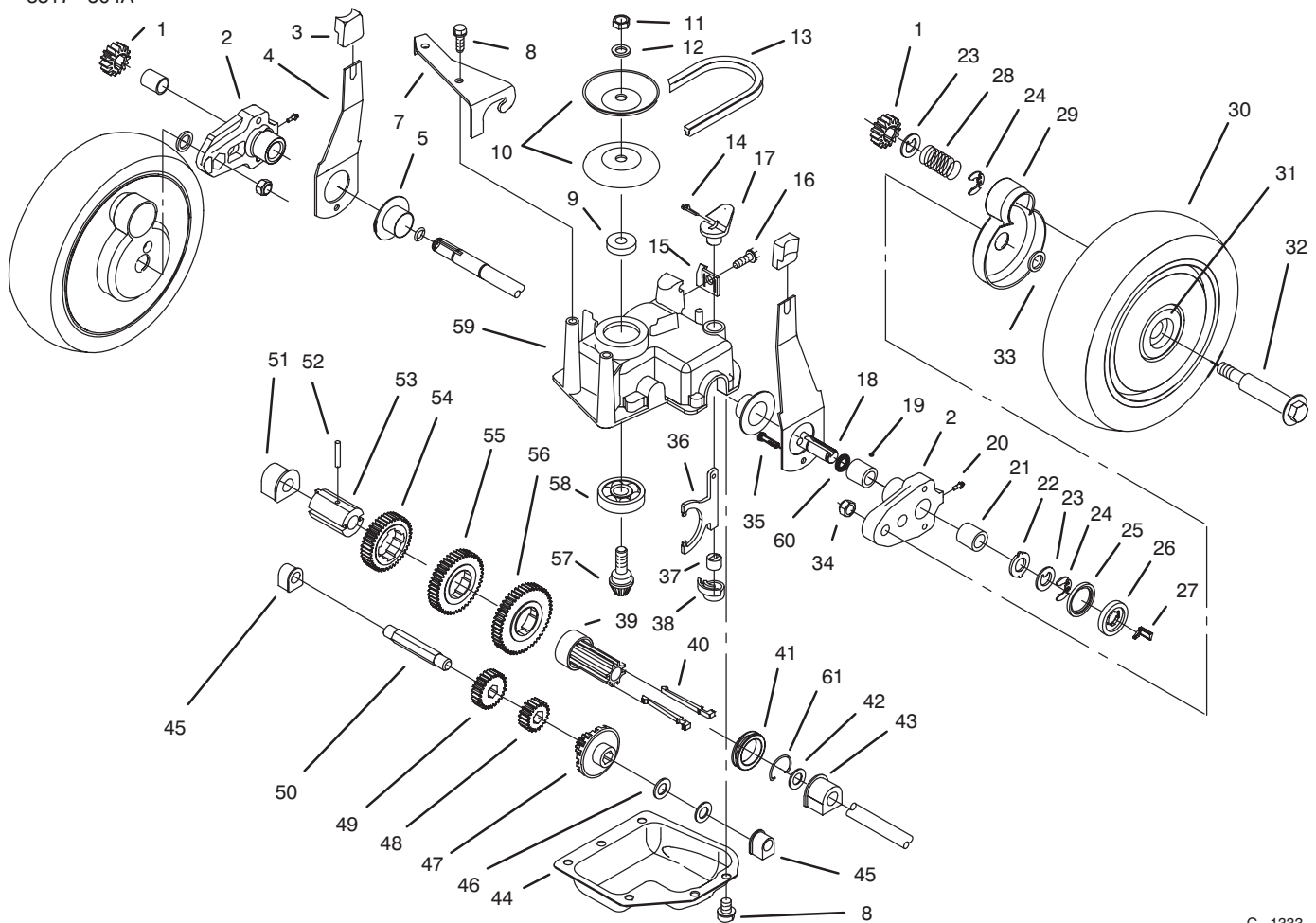
C-2261

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	62-3900	V-Belt	1
2	60-8821	Lever - Shift	1
3	3272-10	Pin - Cotter	1
4	82-8780	Retainer - Cable	1
5	42-3520	Cap - End	2
6	63-8721	Spring Arm Ass'y	2
7	237-153	O-Ring	2
8	63-8701	Pivot Arm Ass'y	2
9	65-4730	Washer - Thrust	2
10	65-4740	Washer - Thrust Keyed	4
11	65-2720	Ring - Retaining	4

Ref. No.	Part No.	Description	No. Used
12	65-4710	Ring - Friction	2
13	65-4760	Washer	2
14	66-6050	Key - Rocking LH	1
*	66-6040	Key - Rocking RH	1
16	65-4750	Gear - Pinion	2
17	65-4720	Spring - Compression	2
18	74-1660	Cover - Wheel	2
19	74-1671	Spacer - Cover Wheel	2
20	16-0029	Wheel & Tire Assembly	2
21	91-2253	Cover - Wheel	1

*Not Illustrated



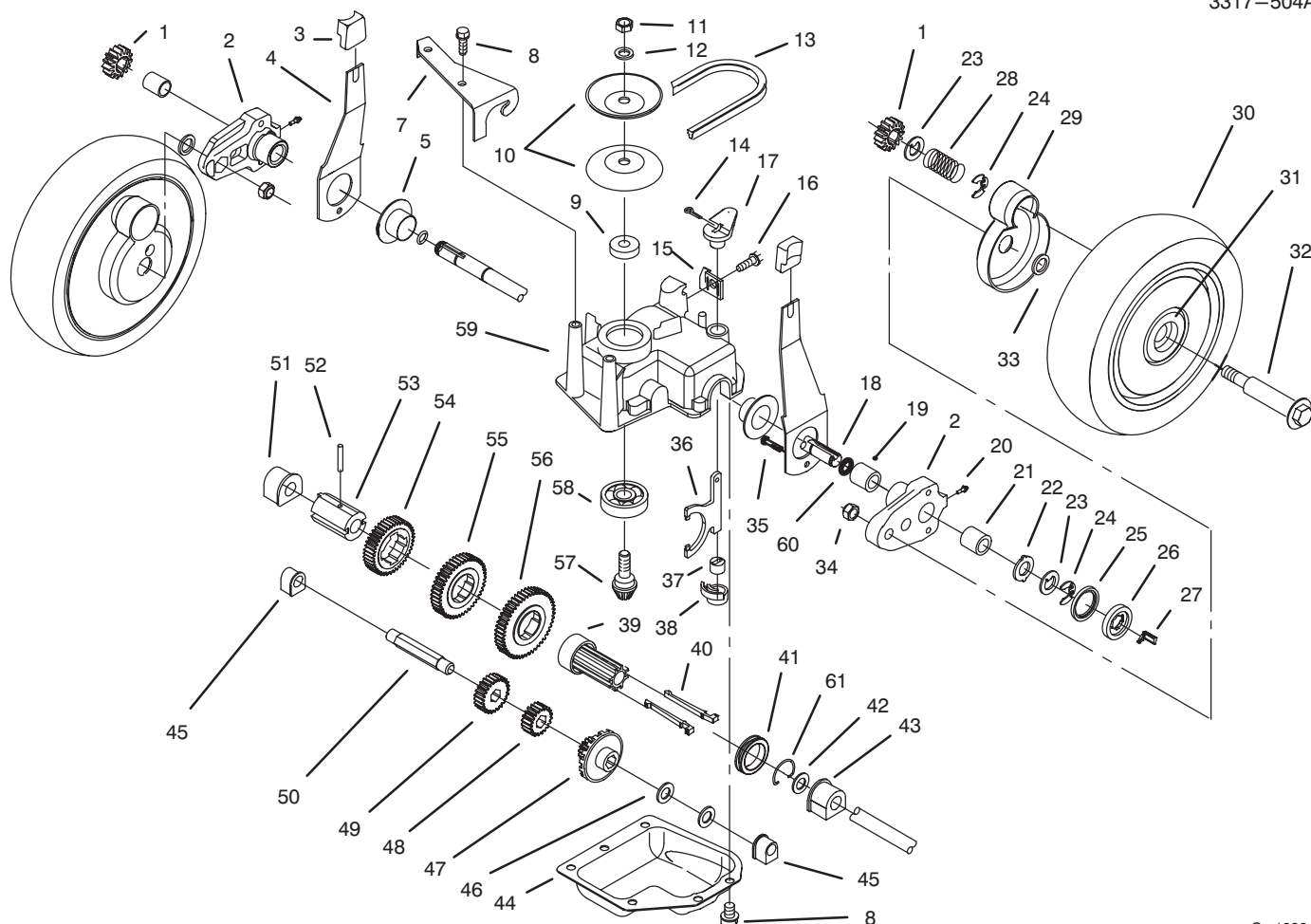
C-1333

GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	65-4750	Pinion	2
2	63-8701-03	Pivot Arm Assembly (Incl. Ref # 19, 20, & 21)	2
3	25-7740	Knob - Arm	2
4	63-8721	Spring Arm Assembly	2
5	42-3520	End Cap	2
7	62-4320	Bracket - Belt Guide	1
8	49-2040	Screw - Self Tapping	8
9	62-6660	Spacer	1
10	60-8840	Pulley - Half	2
11	3296-5	Locknut	1
12	3256-24	Washer - Flat	1
13	62-3900	V-Belt	1
14	3272-10	Pin - Cotter	1
15	82-8780	Cable - Retainer	1
16	32144-70	Screw - Thread Forming	1
17	60-8821	Lever - Shift	1
18	65-4770	Shaft - Output	1
19	70-9760	Bushing	2
20	302-56	Fitting - Grease	2
21	48-2060	Needle Bearing	2
22	65-4730	Thrust Washer	2
23	65-4740	Thrust Washer	4
24	65-2720	Ring - Retaining	4
25	65-4710	Ring - Friction	2

Ref. No.	Part No.	Description	No. Used
26	65-4760	Washer - Clutch	2
27	66-6050	Key - Rocker L.H.	1
*	66-6040	Key - Rocker R.H.	1
28	65-4720	Spring	2
29	74-1660	Cover - Wheel	2
30	16-0029	Wheel - Tire & Gear Ass'y (Incl. Ref. # 31)	2
31	27-6250	Bushing - Wheel	4
32	27-6232	Wheel Bolt	2
33	74-1670	Spacer - Wheel Cover	2
34	3296-6	Locknut	2
35	32144-85	Screw	2
36	60-8870	Yoke - Shift	1
37	29-9570	Bushing - Yoke	1
38	60-8810	Retainer - Shift Fork	1
39	76-0780	Sleeve - Shift Key	1
40	76-0760	Key - Shift	2
41	76-0770	Collar - Shift	1
42	36-4780	Washer - Thrust	1
43	60-8770	Bushing - Output Shaft	1
44	60-8730	Cover - Gear Case	1
45	60-8750	Bushing - Int. Shaft	2
46	36-4791	Washer - Thrust	2
47	55-3760	Gear - Pinion 15 Tooth	1
48	55-3780	Gear - Pinion 20 Tooth	1

*Not Illustrated

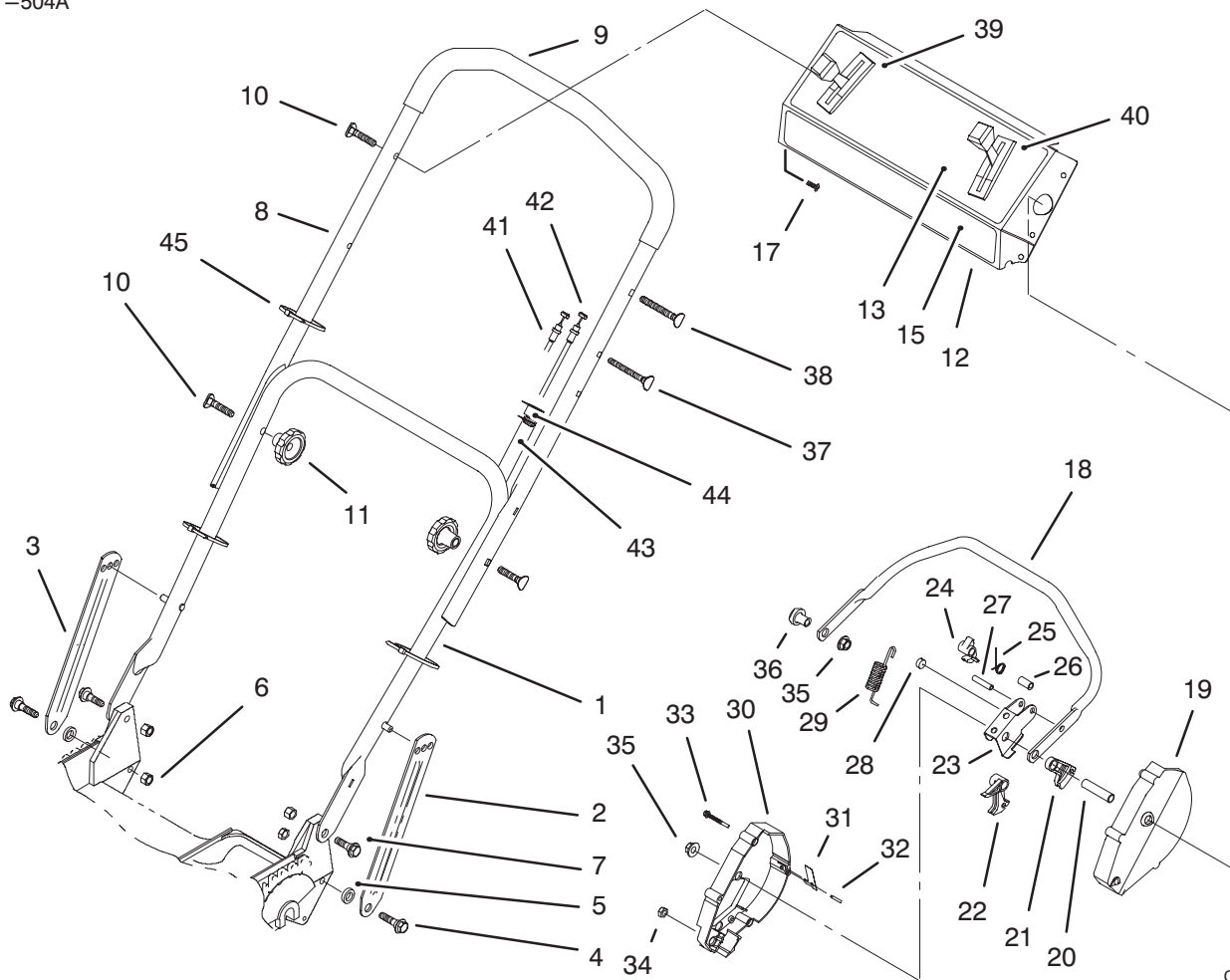


C-1333

GEAR CASE ASSEMBLY (CONTINUED)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
49	55-3800	Gear – Pinion	1	56	55-3770	Gear – 49 Tooth 1st Gear	1
50	60-8800	Shaft – Intermediate	1	57	60-8890	Pinion – Bevel	1
51	60-8850	Bushing – Output Shaft	1	58	38-7820	Bearing – Ball	1
52	32121-120	Pin – Coil	1	59	60-8710	Gear Case – Upper	1
53	60-8790	Sleeve – Gear	1	60	237-153	O-Ring	2
54	55-3810	Gear – 39 Tooth 3rd Gear	1	61	65-5250	Clip – Spring	1
55	55-3790	Gear – 44 Tooth 2nd Gear	1	*	62-6673	Gear Case Assembly	1

*Not Illustrated

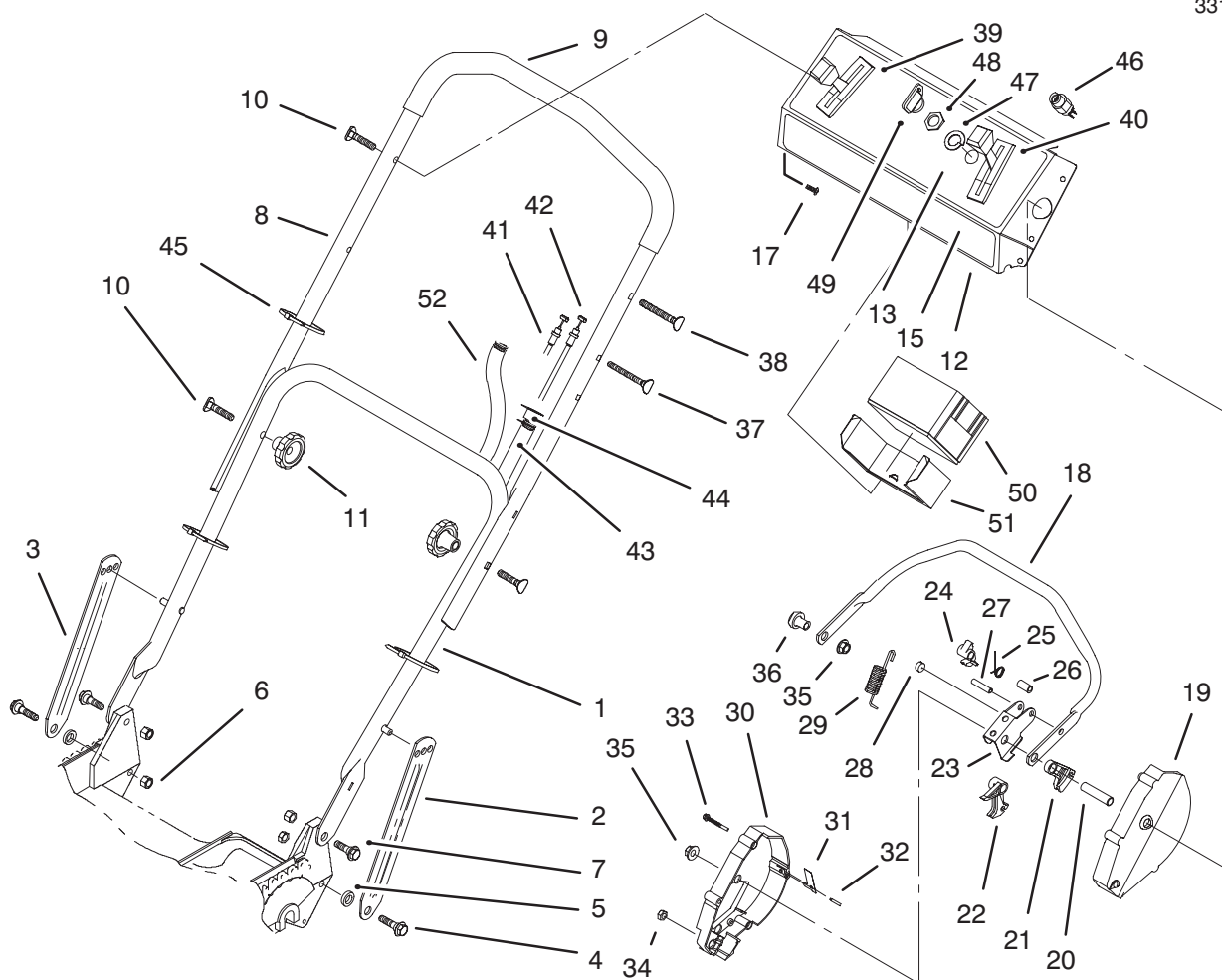


C-2270

HANDLE ASSEMBLY (Model No. 20465 Only)

Ref. No.	Part No.	Description	No. Used
1	82-5531	Handle – Lower	1
2	84-8361	Latch – Handle LH	1
3	84-8401	Latch – Handle RH	1
4	27-7210	Screw – Shoulder	2
5	3-3287	Spacer	2
6	3296-72	Nut – Lock	3
7	27-7211	Screw – Shoulder	2
8	92-2277	Handle – Upper	1
9	92-4086	Grip – Foam	1
10	92-2260	Screw – Handle	3
11	19-4050	Knob	2
12	16-9569	Panel – Control (Incl. Ref. #13)	1
13	93-7167	Decal – Instruction	1
15	93-3697	Decal – Panel Front	1
17	92-9665	Screw – Phillips Hd.	4
18	52-7430	Bar – Control	1
19	46-5460	Housing – Control LH	1
20	46-5590	Spacer	1
21	46-5520	Lever – Traction	1
22	66-0180	Rocker	1
23	46-5540	Lever – Cable	1

Ref. No.	Part No.	Description	No. Used
24	46-5530	Hook – Control	1
25	46-5510	Spring – Torsion	1
26	46-5550	Bushing – PM	1
27	32121-9	Pin – Roll	1
28	66-0170	Washer – Nylon	1
29	66-0190	Spring – Detent	1
30	66-0160	Housing – Control RH	1
31	52-7410	Spring – Leaf	1
32	57-6290	Pin – Insert	1
33	46-7040	Screw – Hex Washer Hd.	3
34	3296-75	Nut – Lock	1
35	3296-74	Nut – Flange	2
36	49-1630	Spacer – Support	1
37	92-2267	Screw – Handle	1
38	92-2261	Screw – Handle	1
39	76-2712	Control – Speed Ground	1
40	71-8391	Control – Control	1
41	83-6600	Cable – Clutch	1
42	46-5480	Cable – Traction	1
43	46-6440	Cover – Cables Control	1
44	2412-50	Clip – Tubing Convolute	4
45	3290-378	Tie – Cable	3



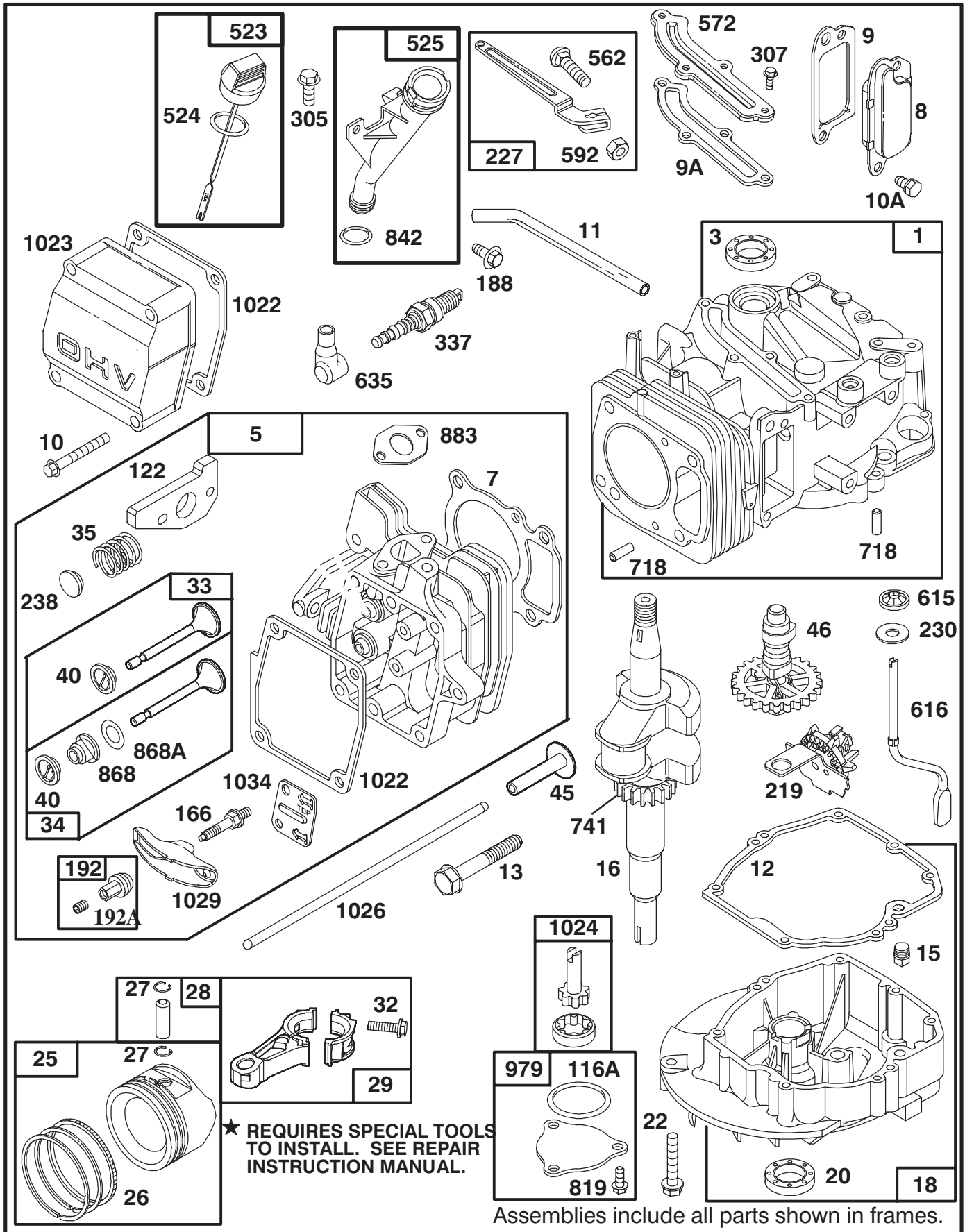
C-2271

HANDLE ASSEMBLY (Model No. 20466 Only)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	82-5531	Handle - Lower	1	29	66-0190	Spring - Detent	1
2	84-8361	Latch - Handle LH	1	30	66-0160	Housing - Control RH	1
3	84-8401	Latch - Handle RH	1	31	52-7410	Spring - Leaf	1
4	27-7210	Screw - Shoulder	2	32	57-6290	Pin - Insert	1
5	3-3287	Spacer	2	33	46-7040	Screw - Hex Washer Hd.	3
6	3296-72	Nut - Lock	3	34	3296-75	Nut - Lock	1
7	27-7211	Screw - Shoulder	2	35	3296-74	Nut - Flange	2
8	92-2277	Handle - Upper	1	36	49-1630	Spacer - Support	1
9	92-4086	Grip - Foam	1	37	92-2267	Screw - Handle	1
10	92-2260	Screw - Handle	3	38	92-2261	Screw - Handle	1
11	19-4050	Knob	2	39	76-2712	Control - Speed Ground	1
12	16-9579	Panel - Control (Incl. Ref. #13)	1	40	71-8391	Control - Control	1
13	93-7168	Decal - Instruction	1	41	83-6600	Cable - Clutch	1
15	92-3146	Decal - Panel Front	1	42	46-5480	Cable - Traction	1
17	92-9665	Screw - Phillips Hd.	4	43	46-6440	Cover - Cables Control	1
18	52-7430	Bar - Control	1	44	2412-50	Clip - Tubing Convolved	4
19	46-5460	Housing - Control LH	1	45	3290-378	Tie - Cable	3
20	46-5590	Spacer	1	46	46-5780	Switch - Starter (Incl. Ref. #47 & 48)	1
21	46-5520	Lever - Traction	1	47	3254-5	Washer - Lock	1
22	66-0180	Rocker	1	48	218-461	Nut - Hex	1
23	46-5540	Lever - Cable	1	49	63-8360	Key - Ignition	1
24	46-5530	Hook - Control	1	50	55-7520	Battery Assembly	1
25	46-5510	Spring - Torsion	1	51	55-8180	Retainer - Battery	1
26	46-5550	Bushing - PM	1	52	80-4790	Harness - Wire	1
27	32121-9	Pin - Roll	1	*	92-1743	Charger - Battery	1
28	66-0170	Washer - Nylon	1				

*Not Illustrated

ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)



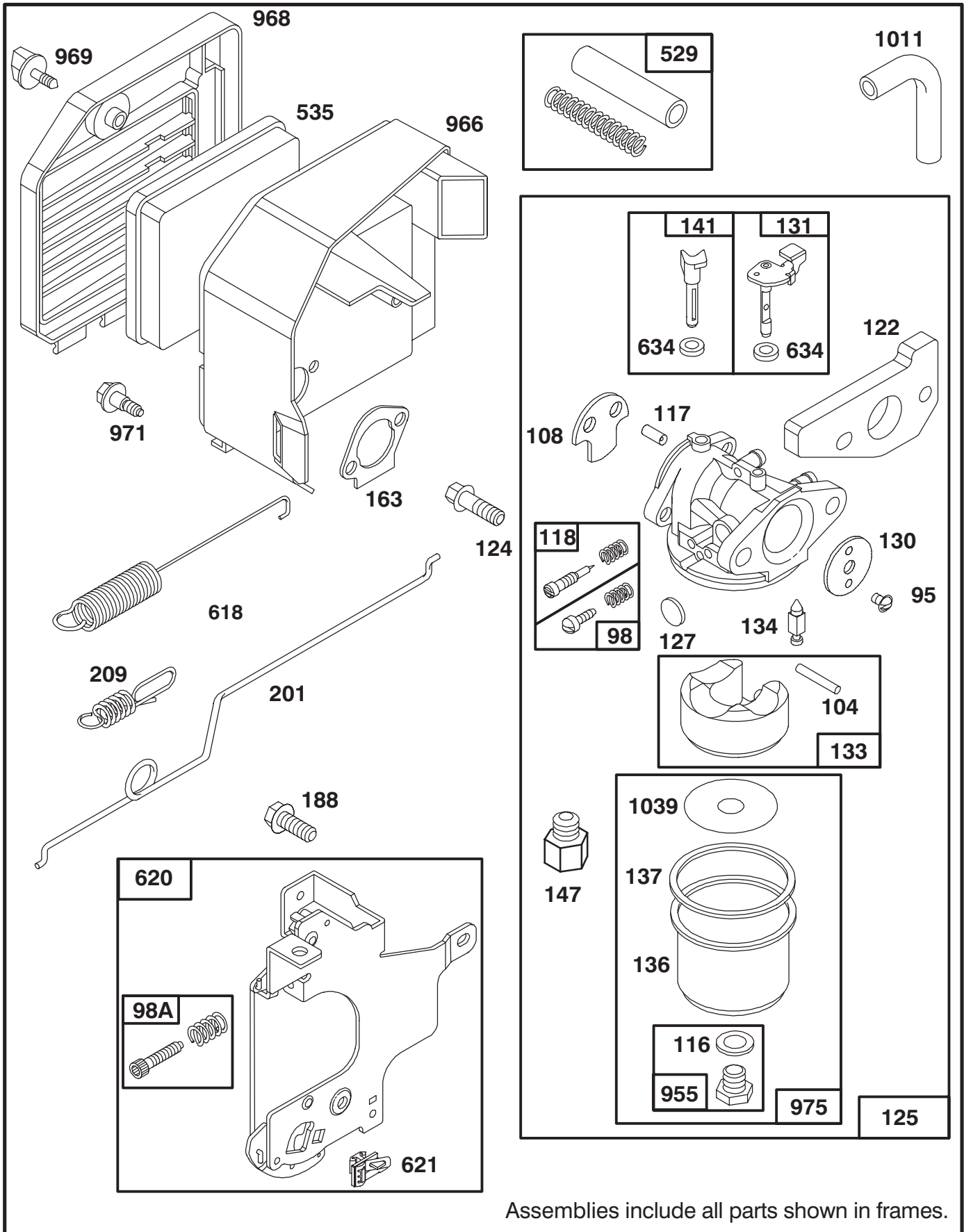
ENGINE GTS–150 (Model No. 20465 Only) (Model No. 97772–0110–02)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	77–7590	Cylinder Assy.	1	192	77–7910	Nut – Hex Special	2
*3	77–9060	Seal – Oil	1	192A	77–9310	Screw – Set	2
5	77–7730	Head – Cylinder	1	219	77–7500	Gear – Governor	1
*7	77–7740	Gasket – Cylinder Head	1	227	77–7370	Lever – Governor	1
8	77–9300	Breather – Valve	1	230	77–7470	Washer – Thrust	1
*9	77–9250	Gasket – Valve Cover	1	238	77–7800	Cap – Valve	2
*9A	77–7410	Gasket – Breather	1	305	77–8310	Screw – Hex. Head	2
10	77–7360	Screw – Hex. Head (valve cover)	4	307	77–7420	Screw – Sem (breather cover)	4
10A	77–9200	Screw – Hex Hd.	1	337	77–7330	Plug – Spark	1
11	77–9410	Tube – Breather	1	523	77–7260	Dipstick – Oil	1
*12	77–7550	Gasket – Engine Base	1	*524	77–7270	Seal – Intake Elbow	1
13	77–7630	Screw – Cylinder Head	4	525	77–7280	Tube – Oil Filler	1
15	77–9240	Plug – Oil Drain	1	562	77–7380	Bolt – Governor Lever	1
16	77–7510	Crankshaft	1	572	77–7400	Baffle – Cylinder	1
		Note: Order Part No 77–7540 For Timing Gear Key		592	77–7390	Nut – Hex.	1
18	77–7560	Base – Engine	1	615	77–7480	Fastener	1
*20	77–7570	Seal – Oil	1	616	77–7460	Crank – Governor	1
22	77–9070	Screw – Engine Base	7	635	77–7340	Elbow – Spark Plug	1
		Note: Order Prt No. 77–9080 For Hole Nearest Breather		718	77–7600	Dowel – Sleeve	2
			1	741	77–7530	Gear – Timing	1
25	77–7690	Piston Assy. (Std.)	1	819	77–7450	Screw – Cap	1
26	77–7700	Ring Set (Std.)	1	*842	77–7300	Seal – O Ring	1
27	77–7710	Lock – Piston Pin	2	*868	77–7890	Seal Assy. – Valve	1
28	77–9340	Pin – Piston (Std)	1	*868A	77–7900	Gasket – Valve	1
29	77–7670	Rod – Connecting	1	*883	77–7760	Gasket – Exhaust	1
32	77–7680	Screw – Connecting Rod	2	979	77–7650	Cover – Oil Pump	1
33	77–7860	Valve – Exhaust	1	*1022	77–7320	Gasket – Rocker Cover	1
34	77–7880	Valve – Intake	1	1023	77–9320	Cover – Valve	1
35	77–7810	Spring – Valve	2	1024	77–7640	Pump – Oil	1
40	77–7870	Retainer – Spring	2	1026	77–7620	Rod – Push	2
45	77–7610	Tappet – Valve	2	1029	77–7790	Arm – VLV Rocker	2
46	77–7490	Gear – Cam	1	1034	77–7770	Guide – Push Rod	1
*116A	77–7660	Seal – O Ring	1	*	77–9280	Short Block	
†122	77–7820	Adapter Assy.	1			(Incl. Ref. #1, 7, 9, 9A, 16, 18, 25, 28, 29, 45, 46, 122, 219, 230, 615, 616, 883, 979, 1022, & 1024 pg. 10)	
166	77–7780	Stud – Rocker Arm	2			(Incl. Ref. #163 pg.12)	1
188	77–9360	Screw – Sem (Breather Mounting, pump cover)	5				

*Included in Gasket Set

†Included in Carburetor Overhaul Kit

ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)



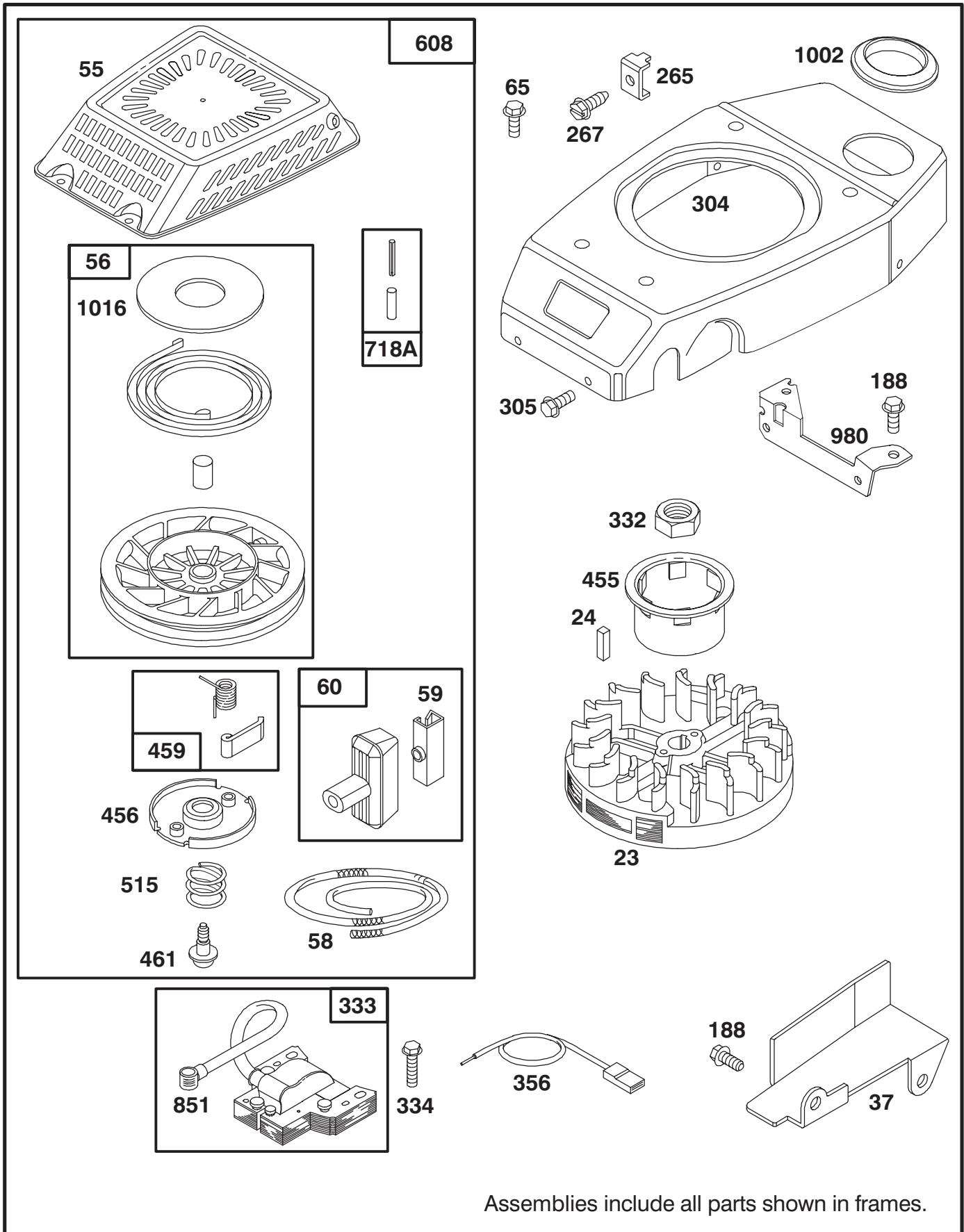
ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
95	77-8090	Screw - Round Head	1	*163	77-7960	Gasket - Air Cleaner	1
98	77-8240	Screw - Idle Adj.	1	188	77-9360	Screw - Hex. Head (connecting bracket)	2
98A	77-8020	Screw Assy - Speed Adj.	1	201	77-7980	Link - Governor	1
†104	77-8180	Pin - Float Hinge	1	209	77-7990	Spring - Governor	1
108	77-8070	Valve - Choke	1	529	77-8030	Tube - Breather	1
†116	77-8210	Washer - Fuel Bowl	1	535	77-7950	Element - Filter	1
†117	77-8060	Jet - Needle Valve	1	618	77-8140	Spring - Return	1
†118	77-8230	Valve & Kit - Needle	1	620	77-8000	Bracket - Carburetor	1
†122	77-7820	Adapter Assy.	1	621	77-8010	Switch - Stop	1
124	77-7970	Screw - Hex Head (carburetor mounting)	2	†634	77-8150	Washer - Seal	2
125	77-8050	Carburetor Assy	1	955	77-8220	Screw - Hex Head	1
†127	77-8100	Plug - Welch	1	966	77-7940	Base Air Cleaner	1
130	77-8080	Valve - Throttle	1	968	77-7040	Cover - Air Cover	1
131	77-8160	Shaft - Throttle	1	969	77-7920	Screw - Air Cleaner	1
133	77-8170	Float - Carburetor	1	971	77-7930	Screw - Air Cleaner	3
†134	77-8110	Valve - Float (Includes Seat)	1	975	77-8190	Bowl Assy. - Carburetor	1
136	77-7240	Bowl - Fuel	1	1011	77-8040	Tube - Vent	1
†137	77-8200	Gasket - Fuel Bowl	1	†1039	77-7250	Limiter - Float	1
141	77-8130	Shaft - Choke	1				
147	77-8120	Adapter - Jet	1				
		Note: For High Altitude Jet, Order Part No. 77-9000	1				

*Included in Gasket Set

†Included in Carburetor Overhaul Kit

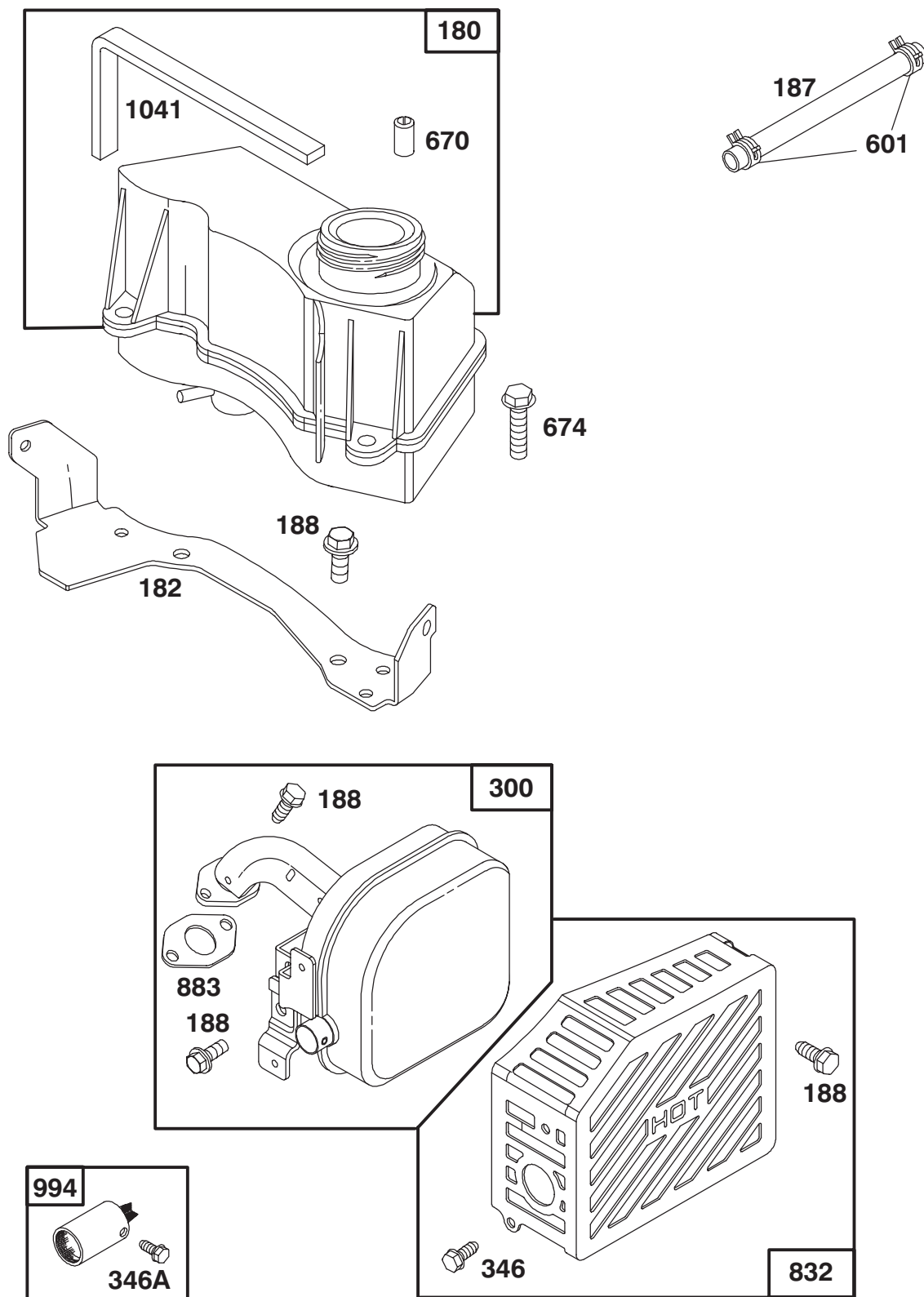
ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)



ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
23	77-8330	Flywheel - Magneto	1	332	77-8360	Nut - Hex	1
24	77-8340	Key - Flywheel	1	333	77-8420	Armature - Magneto	1
37	77-7190	Guard - Flywheel	1	334	77-8440	Screw - Sem	2
55	77-8460	Housing - Rewind Starter	1	356	77-8400	Wire - Ground	1
56	77-9270	Pulley - Rewind Starter	1	455	77-8350	Cup - Starter	1
58	77-8480	Spool - Starter Rope (Cut To Suit)	1	456	77-8470	Retainer - Spring	1
59	77-7210	Insert - Starter Grip	1	459	77-8530	Pawl & Spring Ratchet	2
60	77-8510	Grip - Starter Rope	1	461	77-8490	Screw - Rewind Starter	1
65	77-8300	Screw - Hex. Head	4	515	77-8500	Spring - Retainer	1
188	77-7450	Screw - Hex. Head (Blower bracket, Flywheel Guard)	4	608	77-8450	Starter Assy - Rewind	1
265	77-8280	Clamp - Casing	1	718A	77-8550	Dowel - Sleeve	1
267	77-8290	Screw - Hex Head	1	851	77-8430	Terminal - Spark Plug	1
304	77-8270	Housing - Blower	1	980	77-7140	Bracket - Blower Hsg.	1
305	77-8310	Screw - Hex. Head (blower housing)	4	1002	77-7180	Grommet	1
				1016	77-8570	Cover - Pulley	1

ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)

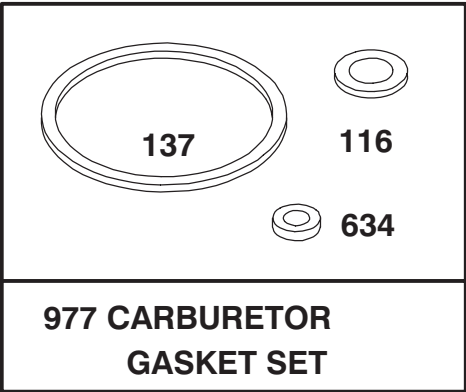
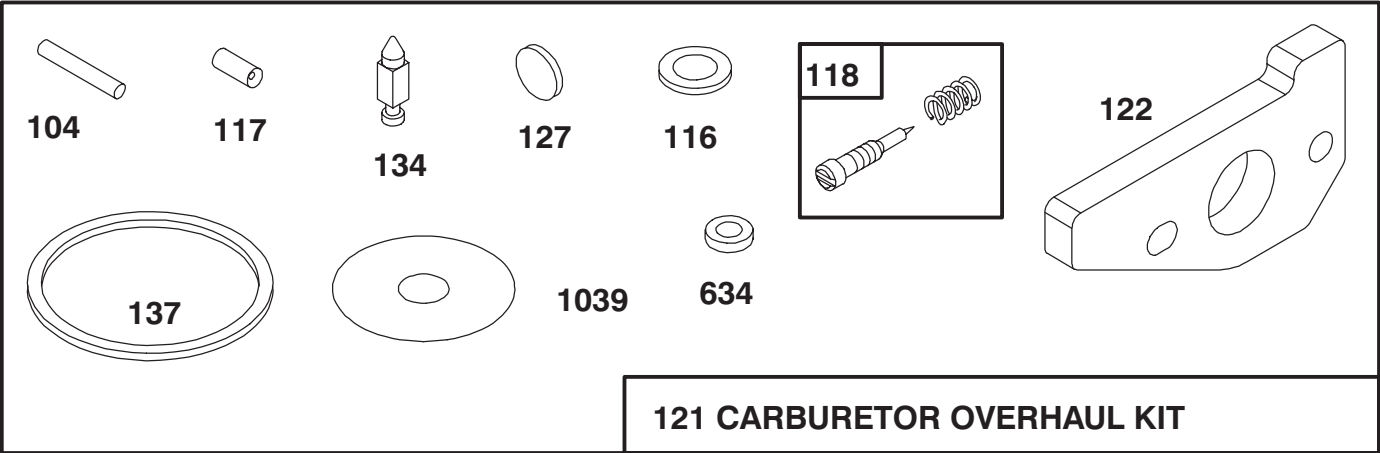


Assemblies include all parts shown in frames.

ENGINE GTS-150 (Model No. 20465 Only) (Model No. 97772-0110-02)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
180	77-8580	Tank Assy - Fuel	1	346A	77-9050	Screw - Arrester Mtg.	1
182	77-7170	Bracket - Fuel Tank	1	601	78-4690	Clamp - CL Pipe	2
187	77-8620	Hose - Fuel (Cut To Suit)	1	670	77-9030	Spacer - Fuel Tank (Incl. 2)	1
188	77-9360	Screw - Hex. Head (muffler guard, muffler manifold to head connecting bracket, tk bracket)	7	674	77-8600	Screw - Tank Mtg.	2
300	77-8640	Muffler - Exhaust	1	832	77-9290	Guard - Muffler	1
346	77-9430	Screw - Self Tapping (muffler guard)	2	*883	77-7760	Gasket - Exhaust	1
				994	77-9040	Arrester - Spark	1
				*1041	77-8590	Seal - Foam	1

*Included in Gasket Set

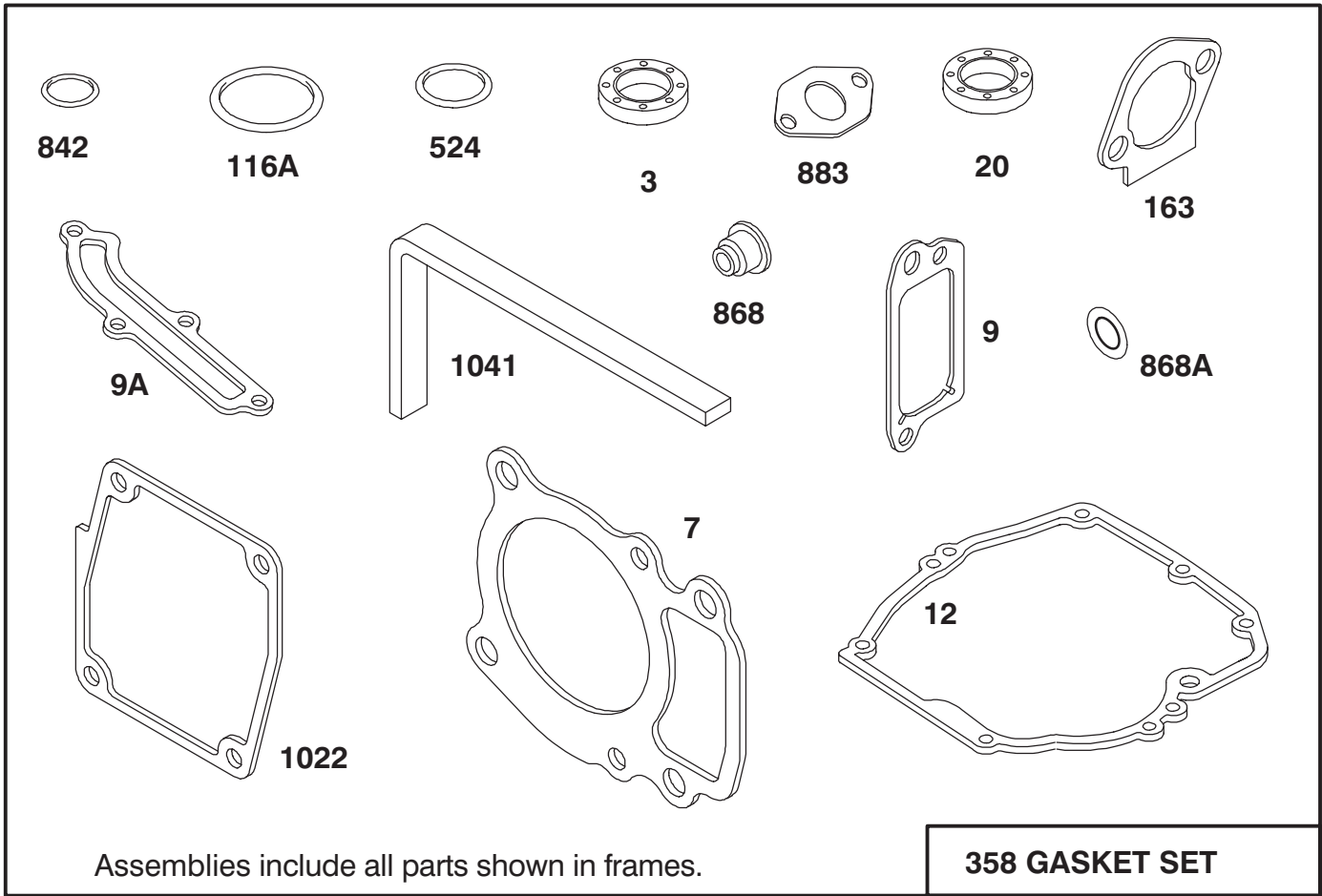


Assemblies include all parts shown in frames.

ENGINE GTS-150 (Model No. 20465 Only)
(Model No. 97772-0110-02)

Ref. No.	Part No.	Description	No. Used
104	77-8180	Pin - Float Hinge	1
116	77-8210	Washer - Fuel Bowl	1
117	77-8060	Jet - Needle Valve	1
118	77-8230	Valve & Kit - Needle	1
121	77-8920	Overhaul Kit - Carburetor	1
122	77-7820	Adapter Assy.	1
127	77-8100	Plug - Welch	1
134	77-8110	Valve - Float (Includes Seat)	1

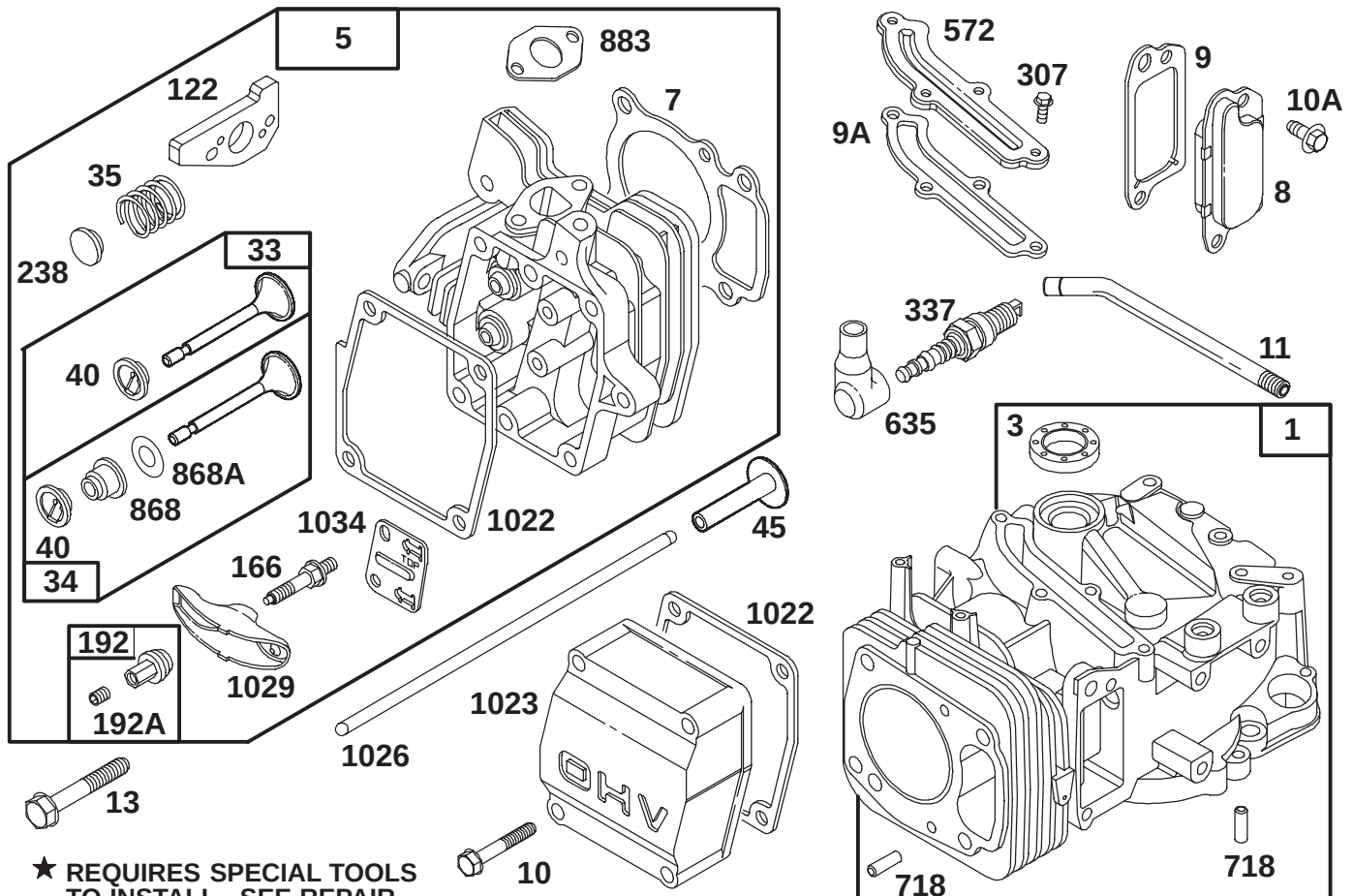
Ref. No.	Part No.	Description	No. Used
137	77-8200	Gasket - Fuel Bowl	1
358	77-8900	Gasket Set	1
634	77-8150	Washer - Seal	2
977	77-8930	Gasket Set - Carburetor	1
1039	77-7250	Limiter - Float	1
	77-9000	High Altitude Jet	1



ENGINE GTS-150 (Model No. 20465 Only) **(Model No. 97772-0110-02)**

Ref. No.	Part No.	Description	No. Used
3	77-9060	Seal - Oil	1
7	77-7740	Gasket - Cylinder Head	1
9	77-9250	Gasket - Valve Cover	1
9A	77-7410	Gasket - Breather	1
12	77-7550	Gasket - Engine Base	1
20	77-7570	Seal - Oil	1
116A	77-7660	Seal - O Ring	1
163	77-7960	Gasket - Air Cleaner	1

Ref. No.	Part No.	Description	No. Used
524	77-7270	Seal - Intake Elbow	1
842	77-7300	Seal - O Ring	1
868	77-7890	Seal Assy - Valve	1
868A	77-7900	Gasket - Valve	1
883	77-7760	Gasket - Exhaust	1
1022	77-7320	Gasket - Rocker Cover	1
1041	77-8590	Seal - Foam	1



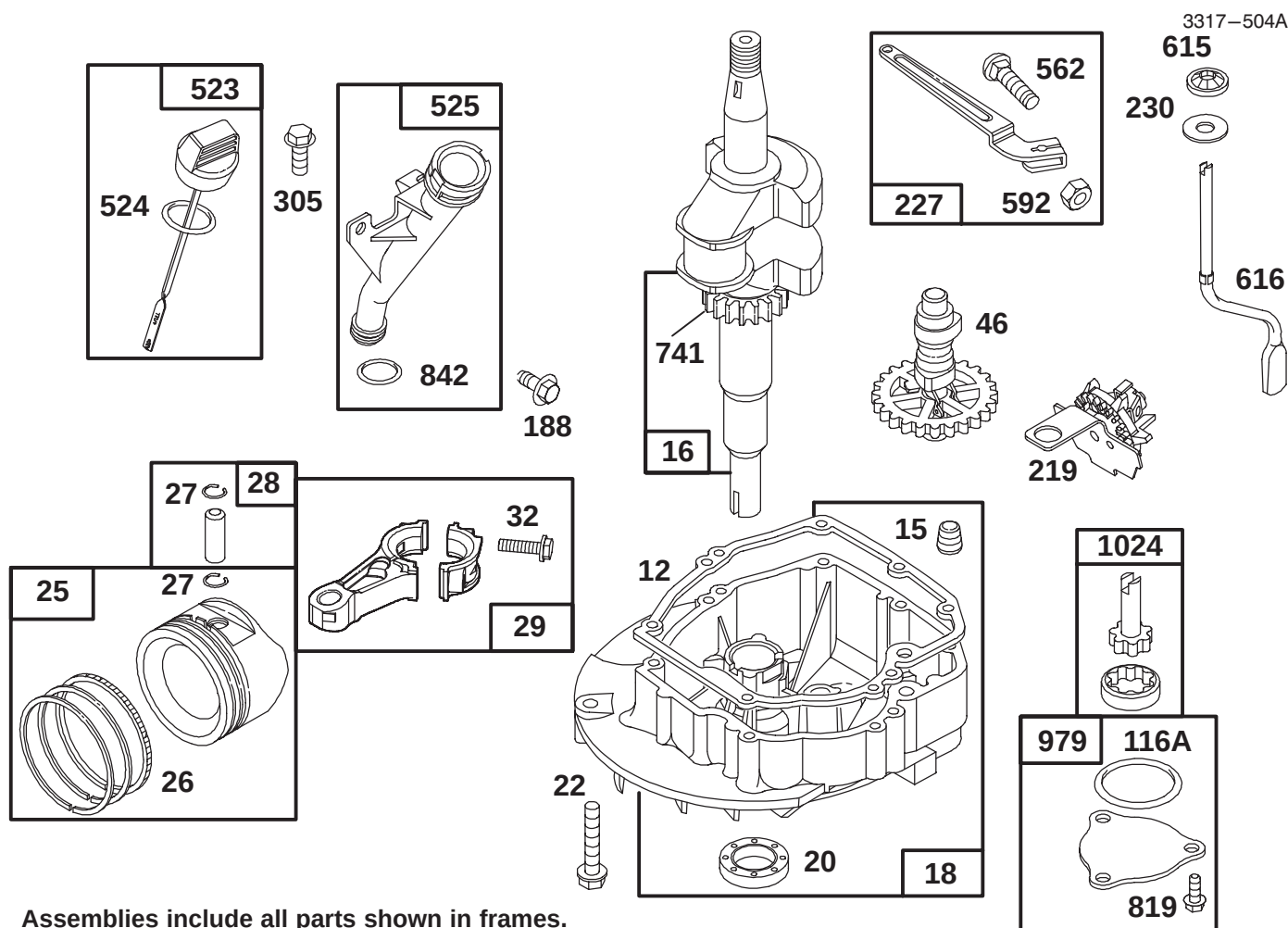
ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
1	77-7590	Cylinder Assy	1
†3	77-9060	Seal – Oil	1
5	77-7730	Head – Cylinder	1
†7	77-7740	Gasket – Cylinder Head	1
8	77-9300	Breather Assy	1
†9	77-9250	Gasket – Breather	1
†9A	77-7410	Gasket – Breather	1
10	77-7360	Screw – Hex Head (Valve Cover)	1
10A	77-9200	Screw – Hex Head	1
11	77-9410	Tube – Breather	1
13	77-7630	Screw – Cylinder Head	1
33	77-7860	Valve – Exhaust	1
34	77-7880	Valve – Intake	1
35	77-7810	Spring – Valve	1
40	77-7870	Retainer – Spring	1
45	77-7610	Tappet – Valve	1
‡122	77-7820	Adapter Assy	1
166	77-7780	Stud – Rocker Arm	1

Ref. No.	Part No.	Description	No. Used
192	77-7910	Ball & Screw – Rocker Arm	1
192A	77-9310	Screw – Set	1
238	77-7800	Cap – Valve	1
307	77-7420	Screw – Cover Mtg (Breather Cover)	1
337	77-7330	Plug – Spark	1
572	77-7400	Cover – Breather	1
635	77-7340	Elbow – Spark Plug	1
718	77-7600	Pin – Dowel	1
†868	77-7890	Seal Assy – Valve	1
†868A	77-7900	Gasket – Valve	1
†883	77-7760	Gasket – Exhaust	1
†1022	77-7320	Gasket – Rocker Cover	1
1023	77-9320	Cover – Valve	1
1026	77-7620	Rod – Push	1
1029	77-7790	Arm – Rocker	1
1034	77-7770	Guide – Push Rod	1

† Included in Gasket Set – Part No. 77-8900

‡ Included in Carburetor Overhaul Kit – Part No. 77-9580

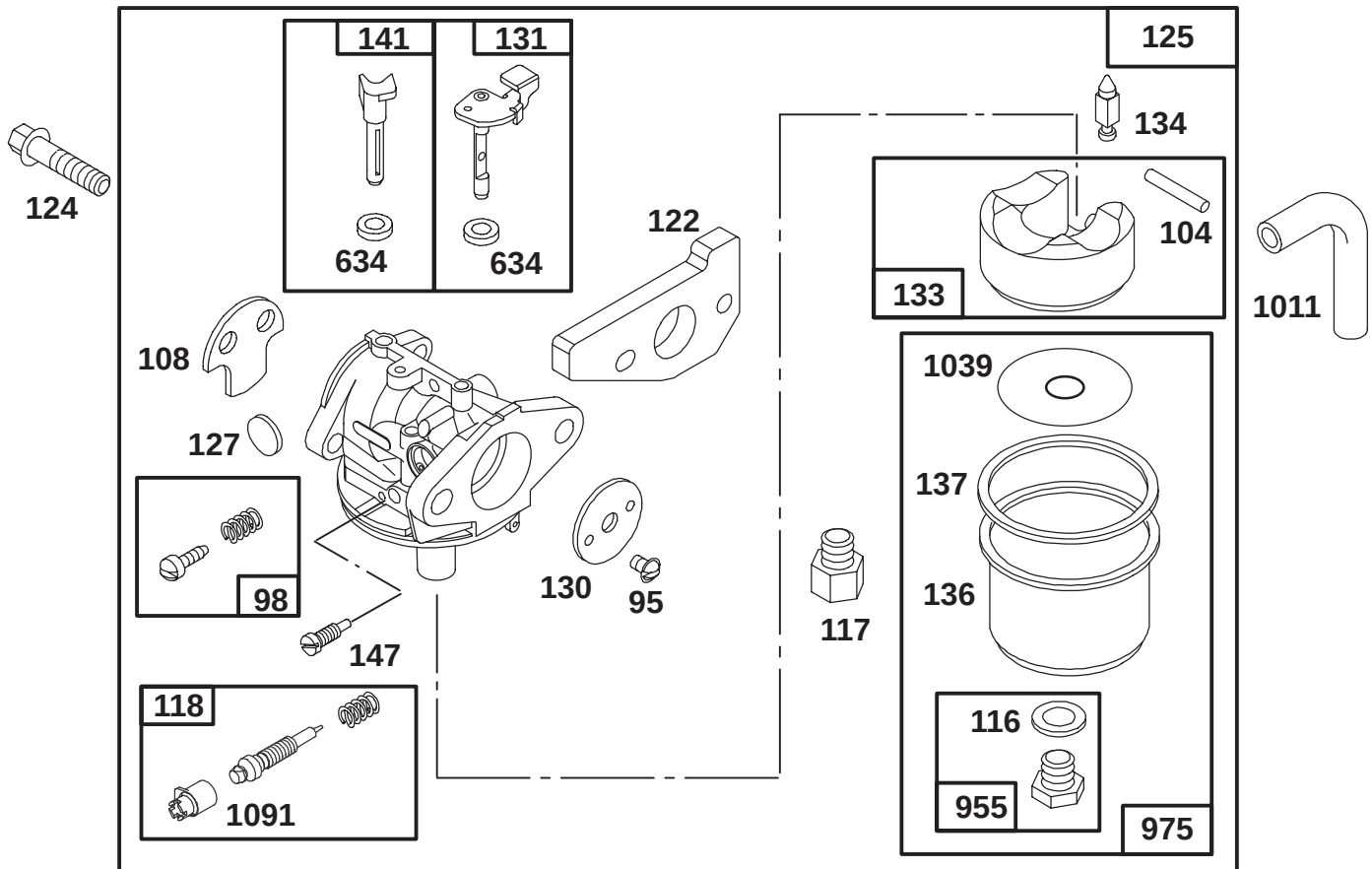


ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
†12	77-7550	Gasket – Engine Base	1
15	77-9240	Plug – Pipe	1
16	77-7510	Crankshaft Note: Order Part No. 77-7540 For Timing Gear Key	1
18	77-7560	Base – Engine	1
†20	77-7570	Seal – Oil	1
22	77-9070	Screw – Engine Base	1
25	77-7690	Piston Assy (Std.)	1
26	77-7700	Ring Set (Std.)	1
27	77-7710	Lock – Piston Pin	1
28	77-9340	Pin Assembly – Piston	1
29	77-7670	Rod – Connecting	1
32	77-7680	Screw – Connecting Rod	1
46	77-7490	Gear – Cam	1
†116A	77-7660	O-Ring	1
188	77-9360	Screw – Hex Head	1

Ref. No.	Part No.	Description	No. Used
219	77-7500	Gear – Governor	1
227	77-7370	Lever Assembly – Governor	1
230	77-7470	Washer	1
305	77-8310	Screw – Hex Head	1
523	77-7260	Dipstick – Oil	1
†524	77-7270	Seal – O-Ring	1
525	77-7280	Tube – Oil Fill	1
562	77-7380	Bolt – Governor Lever	1
592	77-7390	Nut – Hex	1
615	77-7480	Push Nut	1
616	77-7460	Crank – Governor	1
741	77-7530	Gear – Timing	1
†842	77-7300	Seal – O-Ring	1
819	77-7450	Screw – Cap	1
979	77-7650	Cover – Oil Pump	1
1024	77-7640	Pump – Oil	1

† Included in Gasket Set – Part No. 77-8900



Assemblies include all parts shown in frames.

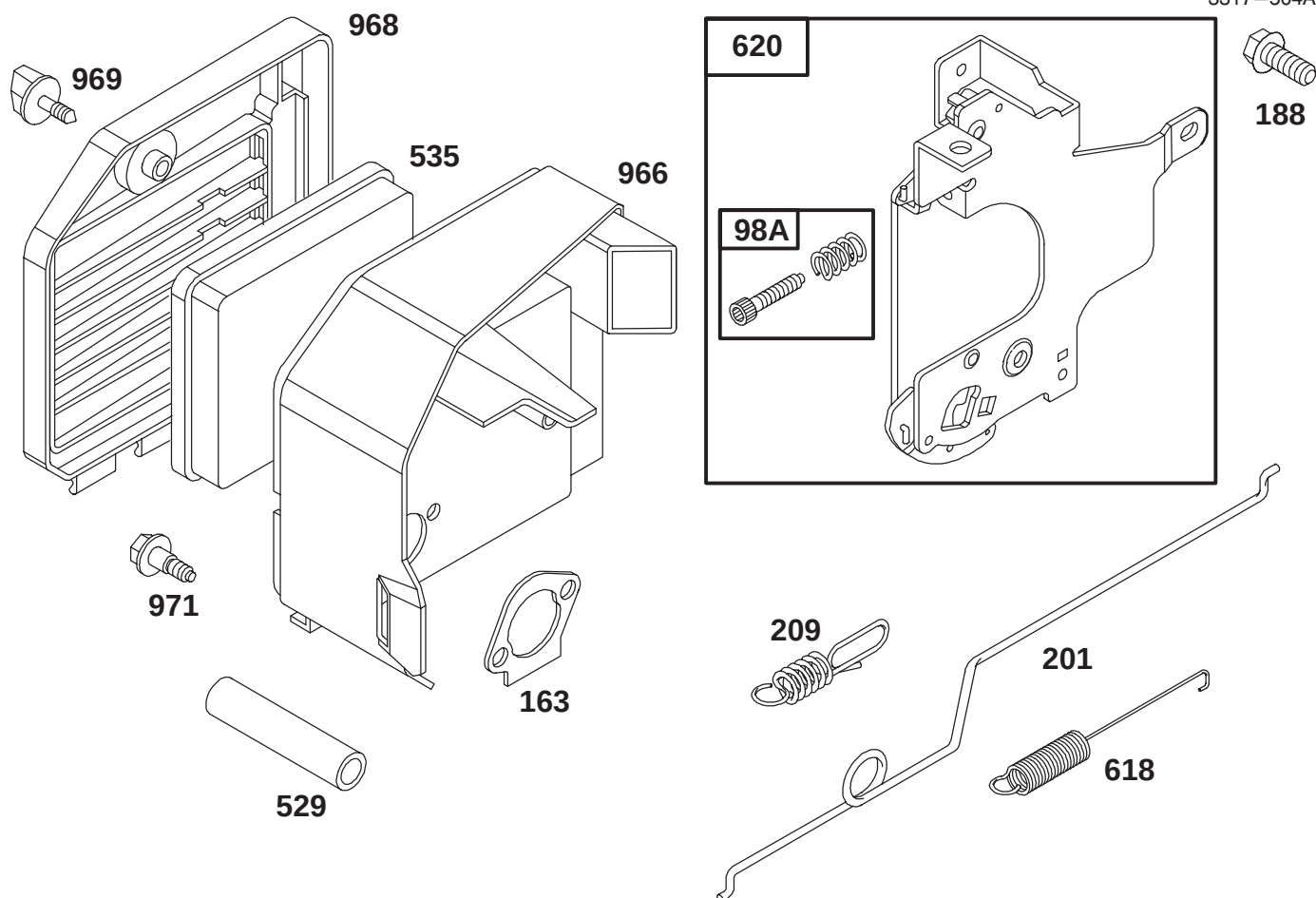
ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
95	77-8090	Screw - Valve Mtg	1
98	77-8240	Screw - Idle Adj.	1
‡104	77-8180	Pin - Float Hinge	1
108	77-9600	Valve - Choke	1
‡*116	77-8210	Gasket - Sealing	1
‡117	77-9610	Jet - Main	1
		Note: For High Altitude Jet, Order Part No. 94-1650	1
‡118	77-9620	Valve & Spring - Needle	1
‡122	77-7820	Adapter Assy	1
124	77-7970	Screw - Hex Head (Carb. Mtg.)	1
125	77-9630	Carburetor Assy	1
‡127	94-1651	Plug - Welch	1

Ref. No.	Part No.	Description	No. Used
130	77-8080	Valve - Throttle	1
131	77-8160	Shaft - Throttle	1
133	77-8170	Float - Carburetor	1
‡134	77-8110	Valve - Inlet (Includes Seat)	1
136	77-7240	Bowl - Fuel	1
‡*137	77-8200	Gasket - Float Bowl	1
141	77-8130	Shaft - Choke	1
147	77-9640	Jet - Pilot	1
*634	77-8150	Washer - Seal	1
955	77-8220	Screw - Hex Head	1
975	77-8190	Bowl Assy - Carburetor	1
1011	77-8040	Tube - Vent	1
‡1039	77-7250	Limiter - Float	1
‡1091	77-9650	Cap - Limiter	1

‡ Included in Gasket Set – Part No. 77–9580

* Included in Gasket Set — Part No. 77-8930



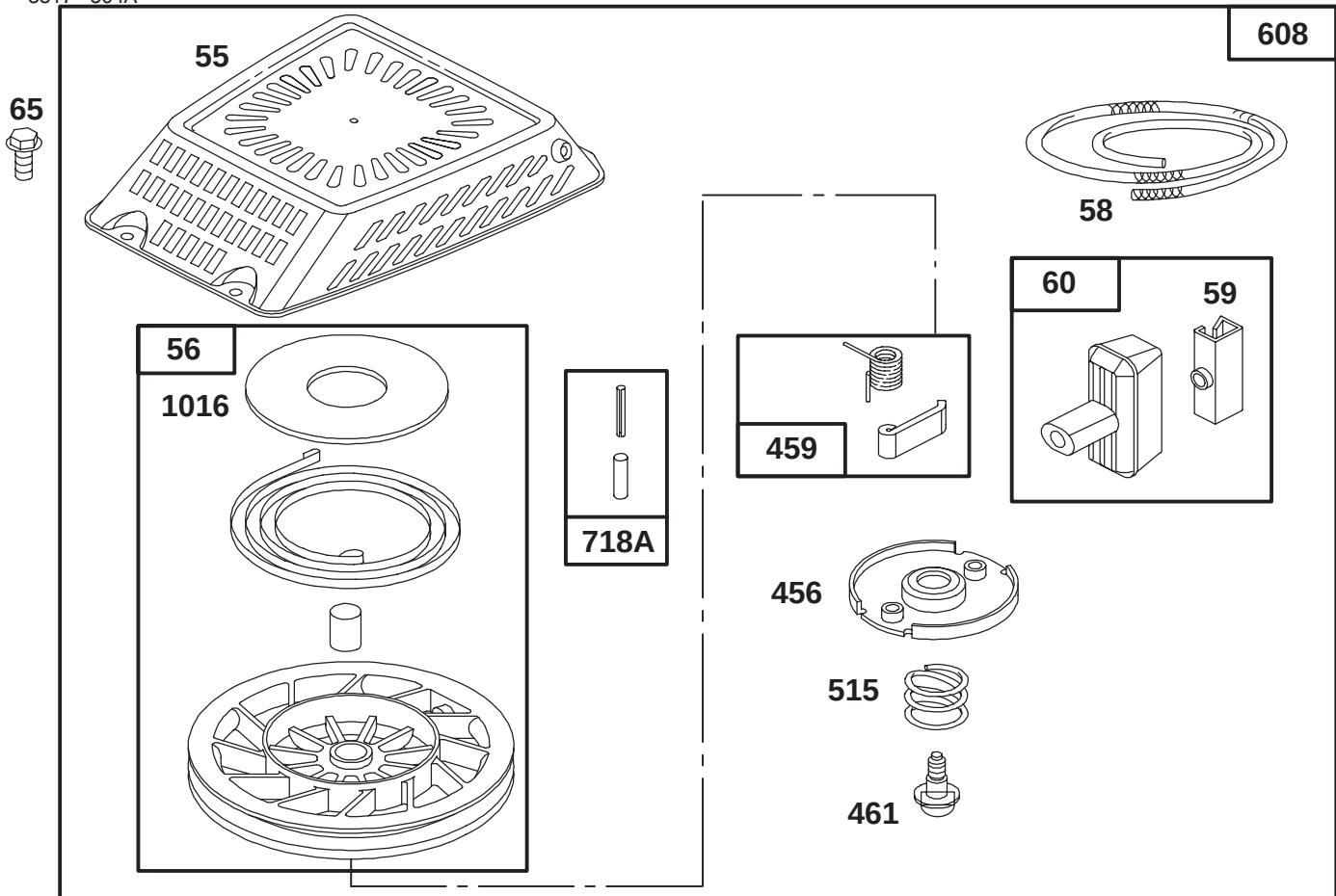
Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
98A	77-8020	Screw Assy - Speed Adj.	1
†163	77-7960	Gasket - Air Cleaner	1
188	77-9360	Screw - Hex Head	1
201	77-7980	Link - Governor	1
209	77-7990	Spring - Governor	1
529	77-8030	Tube - Breather	1
535	77-7950	Element - Filter	1

Ref. No.	Part No.	Description	No. Used
618	77-8140	Spring - Choke	1
620	77-8000	Bracket - Carburetor	1
966	77-7940	Base - Air Cleaner	1
968	77-7040	Cover - Air Cleaner	1
969	77-7920	Screw - Air Cleaner	1
971	77-7930	Screw - Air Cleaner	1

† Included in Gasket Set - Part No. 77-8900

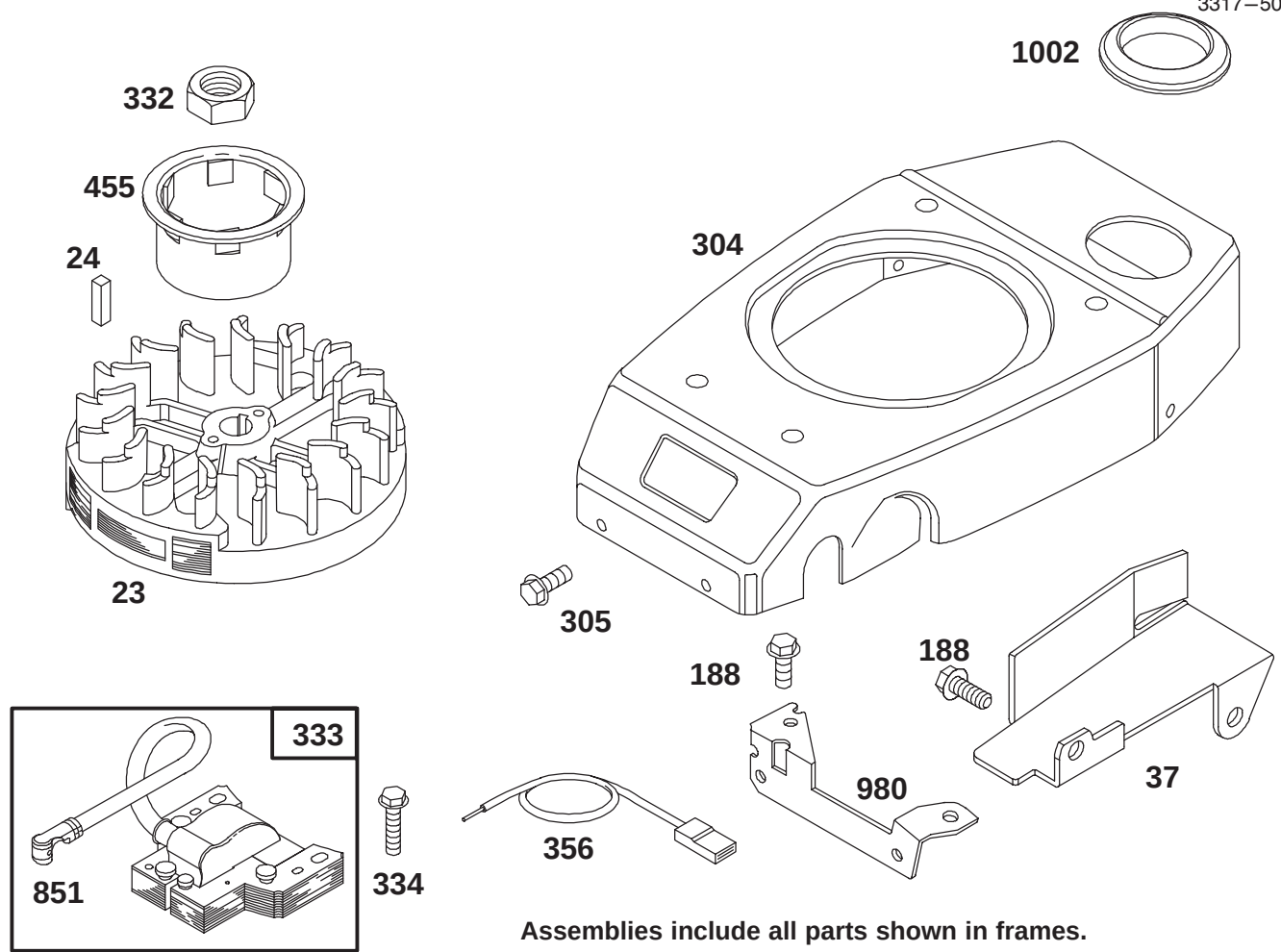


Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
55	77-8460	Housing – Rewind Starter	1
56	77-9270	Pulley – Rewind Starter	1
58	77-8480	Rope – Starter (Cut To Suit)	1
59	77-7210	Insert – Rewind Handle	1
60	77-8510	Handle – Rewind Starter	1
65	77-8300	Screw – Hex Head	1

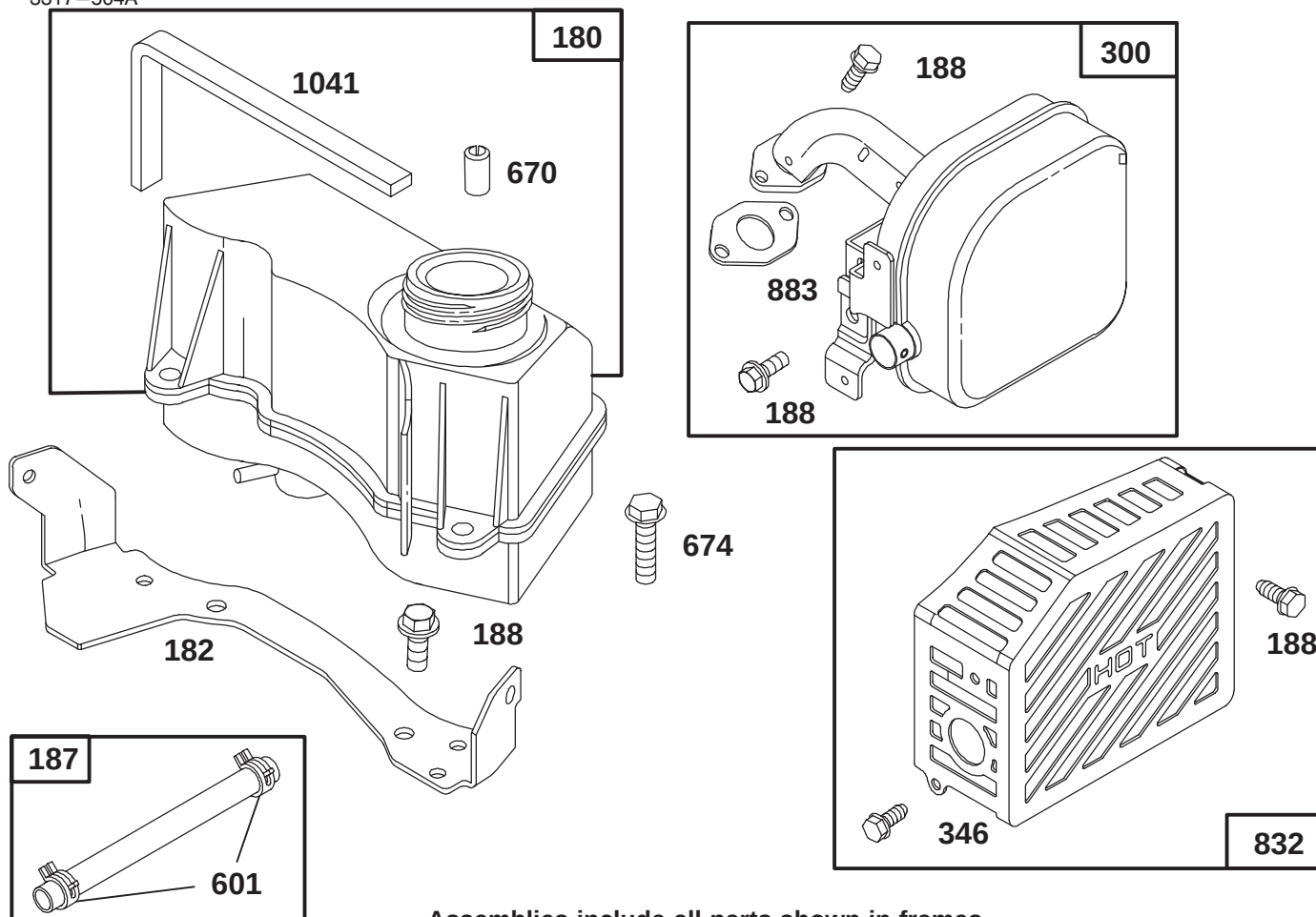
Ref. No.	Part No.	Description	No. Used
456	77-8470	Retainer – Rewind Starter	1
459	77-8530	Pawl – Starter	1
461	77-8490	Screw – Rewind Starter	1
515	77-8500	Spring – Torsion	1
608	77-8450	Starter Assy – Rewind	1
718A	77-8550	Pin – Spring	1
1016	77-8570	Cover – Spring	1



ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
23	77-8330	Flywheel - Magneto	1
24	77-8340	Key - Flywheel	1
37	77-7190	Guard - Flywheel	1
188	77-9360	Screw - Hex Head	1
304	77-8270	Housing - Blower	1
305	77-8310	Screw - Hex Head	1
332	77-8360	Nut - Flywheel	1

Ref. No.	Part No.	Description	No. Used
333	77-8420	Armature - Magneto	1
334	77-9420	Screw - Armature Mtg.	1
356	77-8400	Wire - Ground	1
455	77-8350	Cup - Starter	1
851	77-8430	Terminal - Spark Plug	1
980	77-7140	Bracket - Blower Housing	1
1002	77-7180	Grommet	1



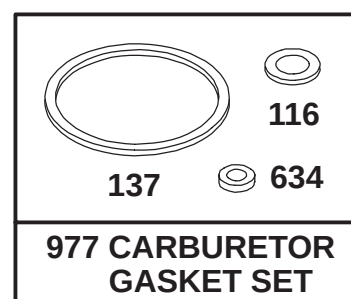
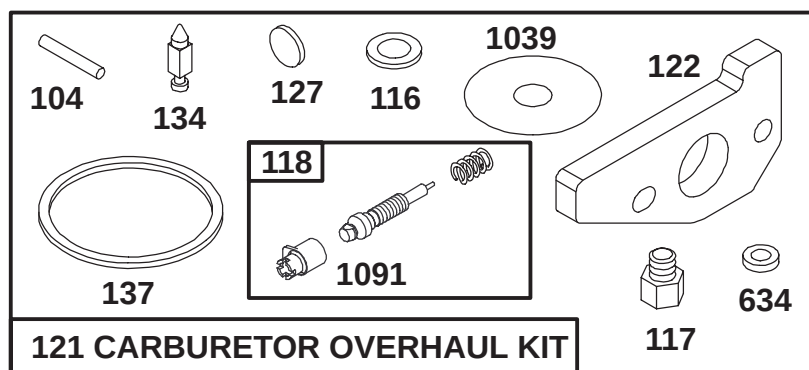
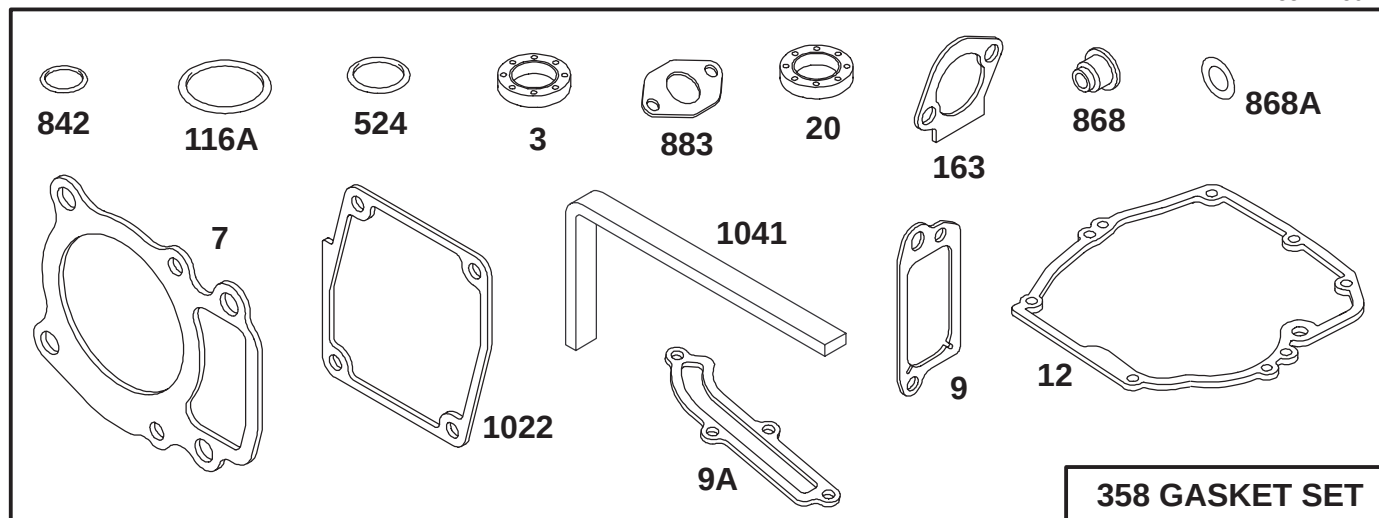
Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

Ref. No.	Part No.	Description	No. Used
180	77-8580	Tank Assy - Fuel	1
182	77-7170	Bracket - Fuel Tank	1
187	78-4100	Hose - Fuel (Cut To Suit)	1
188	77-9360	Screw - Cap	1
300	77-8640	Muffler - Exhaust	1
346	77-9430	Screw - Hex Head	1

Ref. No.	Part No.	Description	No. Used
601	78-4690	Clamp - Hose	1
670	77-9030	Spacer - Fuel Tank	1
674	77-8600	Screw - Tank Mtg.	1
†832	77-9290	Guard - Muffler	1
†1041	77-8590	Seal - Foam	1

† Included in Gasket Set - Part No. 77-8900



Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20465 Only) (Model No. 97772-0310-A2)

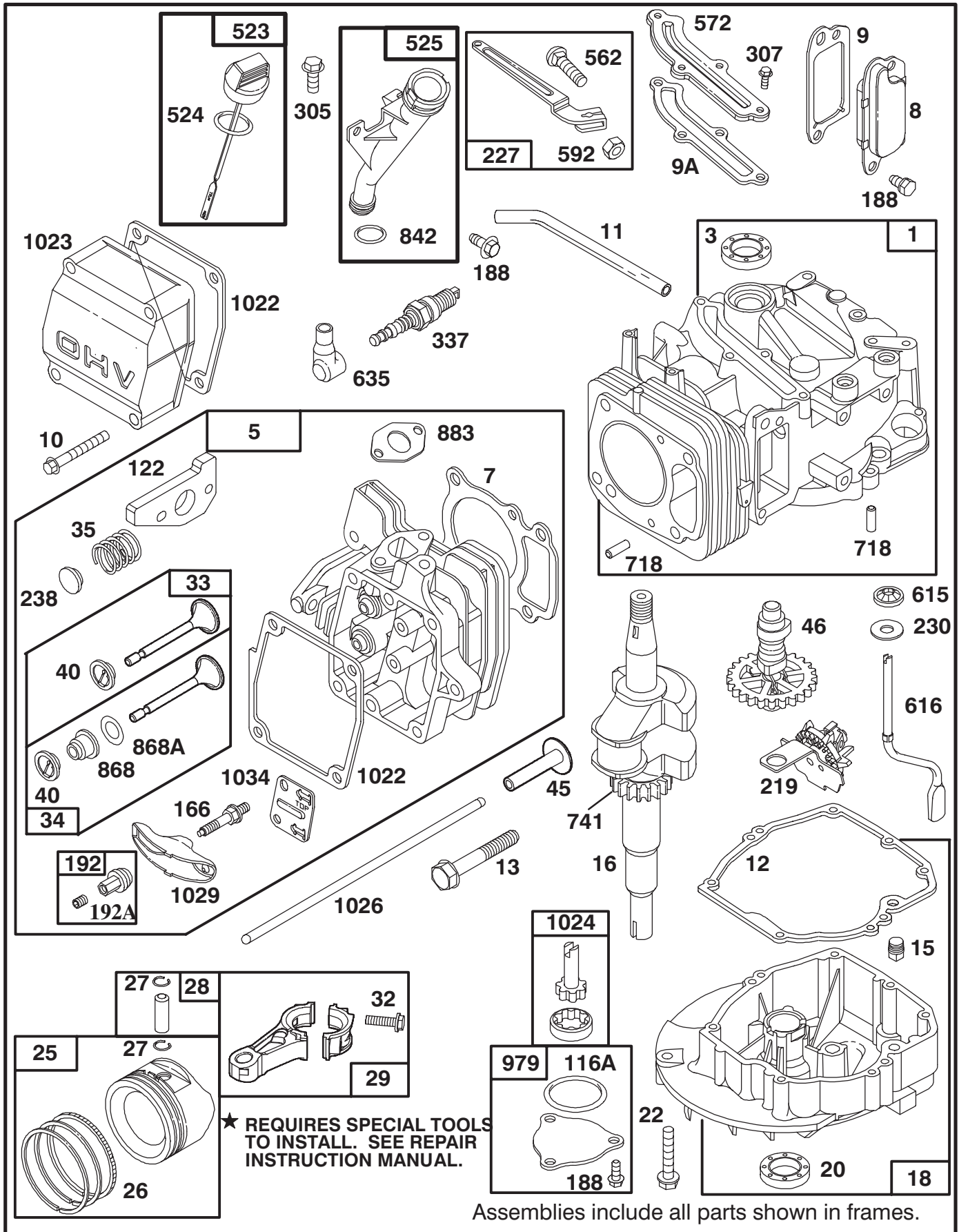
Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
†3	77-9060	Seal – Oil (Upper)	1	‡*137	77-8200	Gasket – Float Bowl	1
†7	77-7740	Gasket – Cylinder Head	1	†163	77-7960	Gasket – Air Cleaner	1
†9	77-9250	Gasket – Breather	1	358	77-8900	Gasket Set	1
†9A	77-7410	Gasket – Breather Cover	1	†524	77-7270	Seal – O-Ring (Oil Fill Cap)	1
†12	77-7550	Gasket – Engine Base	1	*634	77-8150	Washer – Seal	1
†20	77-7570	Seal – Oil (Lower)	1	†842	77-7300	Seal – O-Ring (Oil Fill Tube)	1
‡104	77-8180	Pin – Float Hinge	1	†868	77-7890	Seal Assy – Valve	1
‡*116	77-8210	Washer – Bowl	1	†868A	77-7900	Seal – Valve	1
†116A	77-7660	Seal – O-Ring	1	†883	77-7760	Gasket – Exhaust	1
‡117	77-9610	Jet – Main	1	977	77-8930	Carburetor Gasket Set	1
‡118	77-9620	Valve & Spring – Needle	1	†1022	77-7320	Gasket – Rocker Cover	1
121	77-9580	Overhaul Kit – Carburetor	1	†1039	77-7250	Limiter – Float	1
†122	77-7820	Adapter Assy	1	†1041	77-8590	Seal – Foam (Fuel Tank)	1
†127	94-1651	Plug – Welch	1	‡1091	77-9650	Cap – Limiter	1
‡134	77-8110	Valve – Inlet (Includes Seat)	1				

‡ Incl. in Carburetor Overhaul Kit – Part No. 77-9580

*Incl. in Carburetor Gasket Set – Part No. 77-8930

† Included in Gasket Set – Part No. 77-8900

ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)



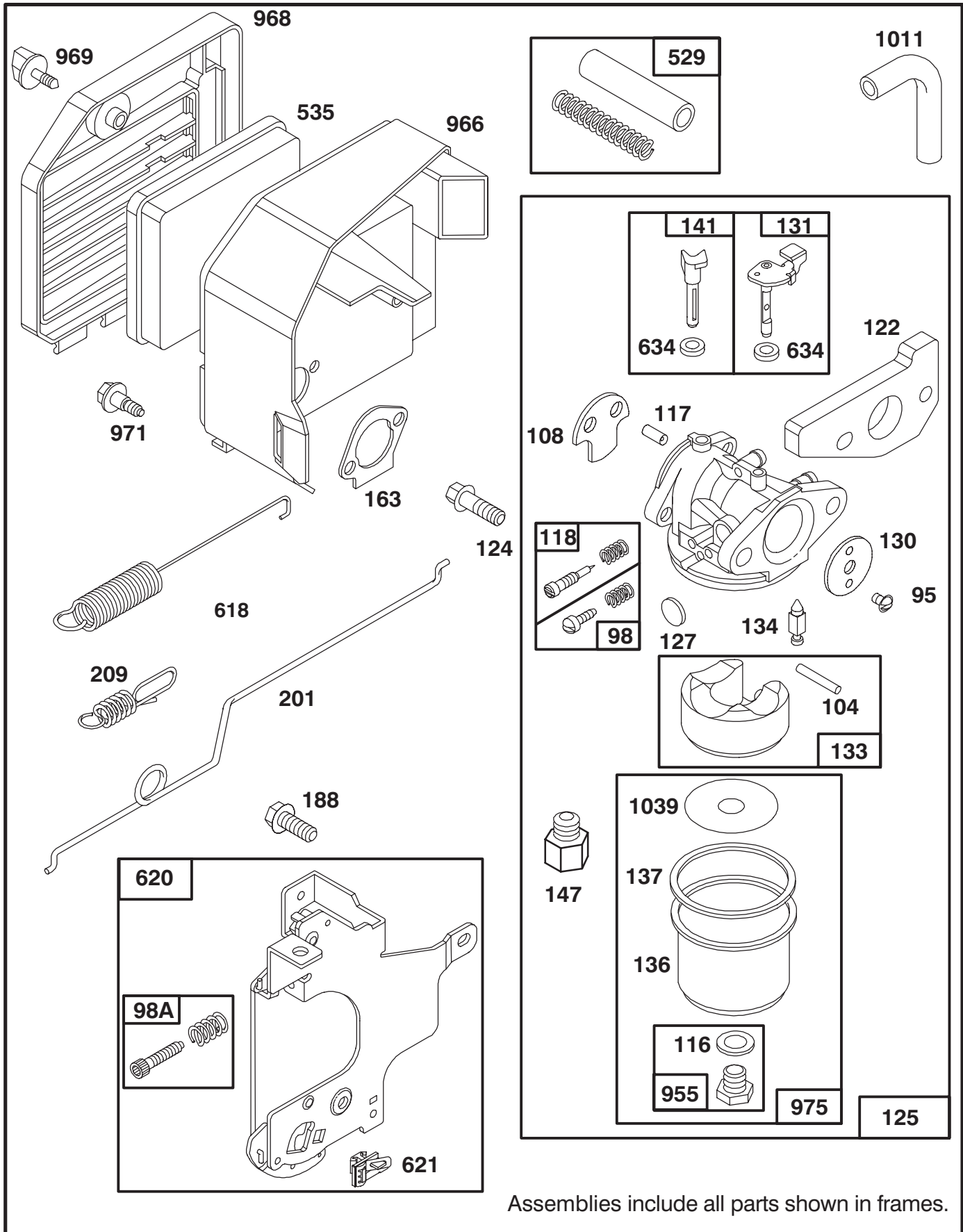
ENGINE GTS–150 (Model No. 20466 Only) (Model No. 97777–0110–01)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	77–7590	Cylinder Assy.	1	192	77–7910	Nut – Hex Special	2
*3	77–9060	Seal – Oil	1	192A	77–9090	Screw – Set	1
5	77–7730	Head – Cylinder	1	219	77–7500	Gear – Governor	1
*7	77–7740	Gasket – Cylinder Head	1	227	77–7370	Lever – Governor	1
8	77–7430	Breather Valve	1	230	77–7470	Washer – Thrust	1
*9	77–7440	Gasket – Valve Cover	1	238	77–7800	Cap – Valve	2
*9A	77–7410	Gasket – Breather	1	305	77–8310	Screw – Hex. Head	2
10	77–7360	Screw – Hex. Head (valve cover)	4	307	77–7420	Screw – Sem (Breather Cover)	4
11	77–7350	Tube – Breather	1	337	77–7330	Plug – Spark	1
*12	77–7550	Gasket – Engine Base	1	523	77–7260	Dipstick – Oil	1
13	77–7630	Screw – Cylinder Head	4	*524	77–7270	Seal – Intake Elbow	1
15	77–7580	Plug – Oil Drain	1	525	77–7290	Tube – Oil Filler	1
16	77–7510	Crankshaft	1	562	77–7380	Bolt – Governor Lever	1
		Note: Order Part No. 77–7540 For Timing Gear Key		572	77–7400	Baffle – Cylinder	1
18	77–7560	Base – Engine	1	592	77–7390	Nut – Hex.	1
*20	77–7570	Seal – Oil	1	615	77–7480	Fastener	1
22	77–9070	Screw – Engine Base	1	616	77–7460	Crank – Governor	1
		Note: Order Part No. 77–9080 For Hole Nearest Breather		635	77–7340	Elbow – Spark Plug	1
25	77–7690	Piston Assy. (Std.)	1	718	77–7600	Dowel – Sleeve	2
26	77–7700	Ring Set (Std.)	1	741	77–7530	Gear – Timing	1
27	77–7710	Lock – Piston Pin	2	*842	77–7300	Seal – O Ring	1
28	77–7720	Pin – Piston (STD)	1	*868	77–7890	Seal Assy. – Valve	1
29	77–7670	Rod – Connecting	1	*868A	77–7900	Gasket – Valve	1
32	77–7680	Screw – Connecting Rod	2	*883	77–7760	Gasket – Exhaust	1
33	77–7860	Valve – Exhaust	1	979	77–7650	Cover – Oil Pump	1
34	77–7880	Valve – Intake	1	*1022	77–7320	Gasket – Rocker Cover	1
35	77–7810	Spring – Valve	2	1023	77–7060	Cover – Valve	1
40	77–7870	Retainer – Spring	2	1024	77–7640	Pump – Oil	1
45	77–7610	Tappet – Valve	2	1026	77–7620	Rod – Push	2
46	77–7490	Gear – Cam	1	1029	77–7790	Arm – VLV Rocker	2
*116A	77–7660	Seal – O Ring	1	1034	77–7770	Guide – Push Rod	1
†122	77–7820	Adapter Assy.	1		77–9280	Short Block	
166	77–7780	Stud – Rocker Arm	2			(Incl. Ref. #1, 7, 9, 9A, 16, 18, 25, 28, 29, 45, 46, 122, 219, 230, 615, 616, 883, 979, 1022, & 1024 pg. 20)	
188	77–7450	Screw – Sem (Breather Mounting, pump cover)	5			(Incl. Ref. 163 pg. 22)	1

*Included in Gasket Set

†Included in Carburetor Overhaul Kit

ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)



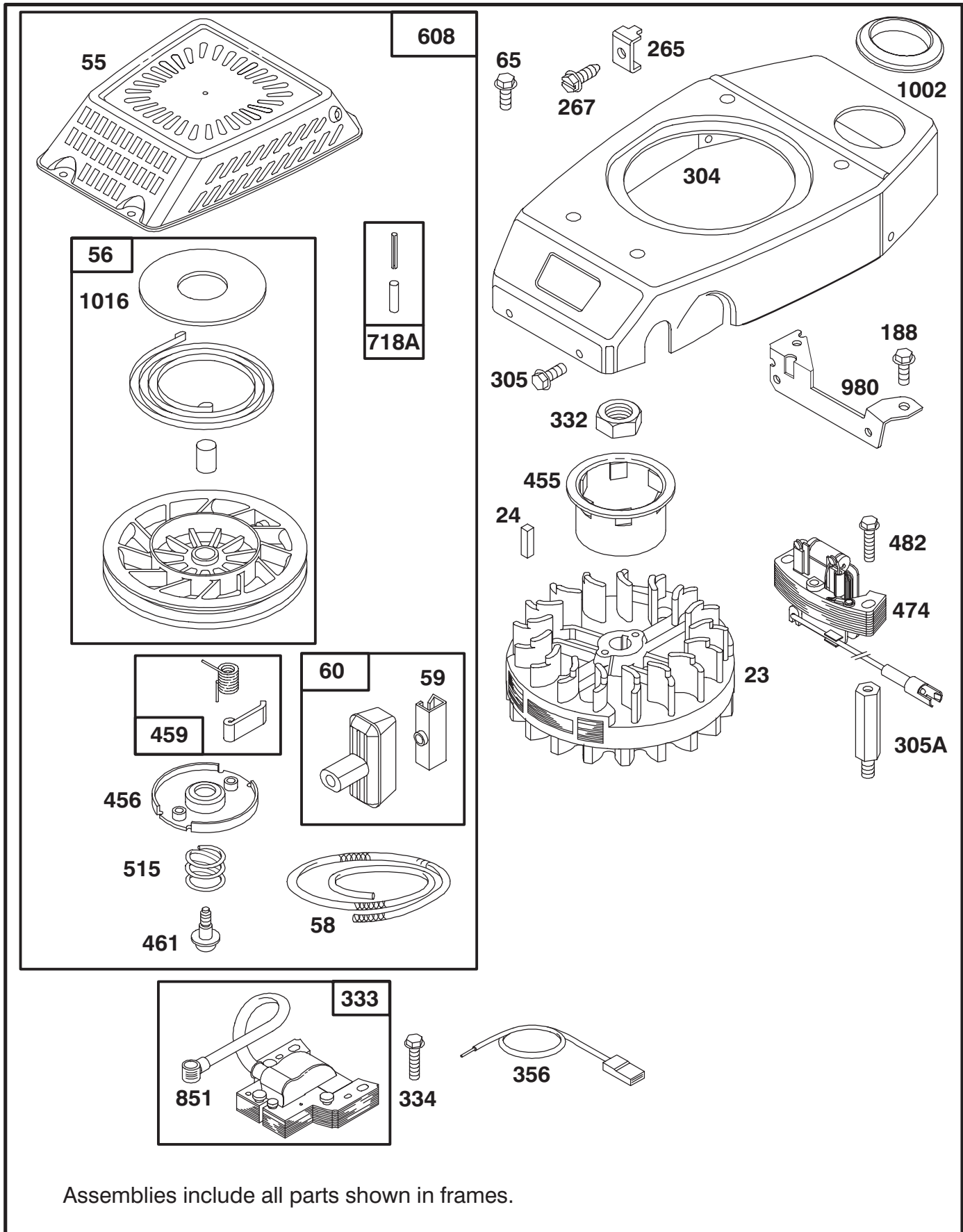
ENGINE GTS—150 (Model No. 20466 Only) (Model No. 97777—0110—01)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
95	77-8090	Screw — Round Head	1	*163	77-7960	Gasket — Air Cleaner	1
98	77-8240	Screw — Idle Adj.	1	188	77-7450	Screw — Hex. Head (connecting bracket)	2
98A	77-8020	Screw Assy — Speed Adj.	1	201	77-7980	Link — Governor	1
†104	77-8180	Pin — Float Hinge	1	209	77-7990	Spring — Governor	1
108	77-8070	Valve — Choke	1	529	77-8030	Tube — Breather	1
†116	77-8210	Washer — Fuel Bowl	1	535	77-7950	Element — Filter	1
†117	77-8060	Jet — Needle Valve	1	618	77-8140	Spring — Return	1
†118	77-8230	Valve & Kit — Needle	1	620	77-8000	Bracket — Carburetor	1
†122	77-7820	Adapter Assy.	1	621	77-8010	Switch — Stop	1
124	77-7970	Screw — Hex Head (Carburetor Mounting)	2	†634	77-8150	Washer — Seal	2
125	77-8050	Carburetor Assy.	1	955	77-8220	Screw — Hex. Head	1
†127	77-8100	Plug — Welch	1	966	77-7940	Base Air Cleaner	1
130	77-8080	Valve — Throttle	1	968	77-7040	Cover — Air Cover	1
131	77-8160	Shaft — Throttle	1	969	77-7920	Screw — Air Cleaner	1
133	77-8170	Float — Carburetor	1	971	77-7930	Screw — Air Cleaner	3
†134	77-8110	Valve — Float (Includes Seat)	1	975	77-8190	Bowl Assy. — Carburetor	1
136	77-7240	Bowl — Fuel	1	1011	77-8040	Tube — Vent	1
†137	77-8200	Gasket — Fuel Bowl	1	†1039	77-7250	Limiter — Float	1
141	77-8130	Shaft — Choke	1				
147	77-8120	Adapter — Jet	1				
		Note: For High Altitude Jet, Order Part No. 77-9000	1				

*Included in Gasket Set

†Included in Carburetor Overhaul Kit

ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)

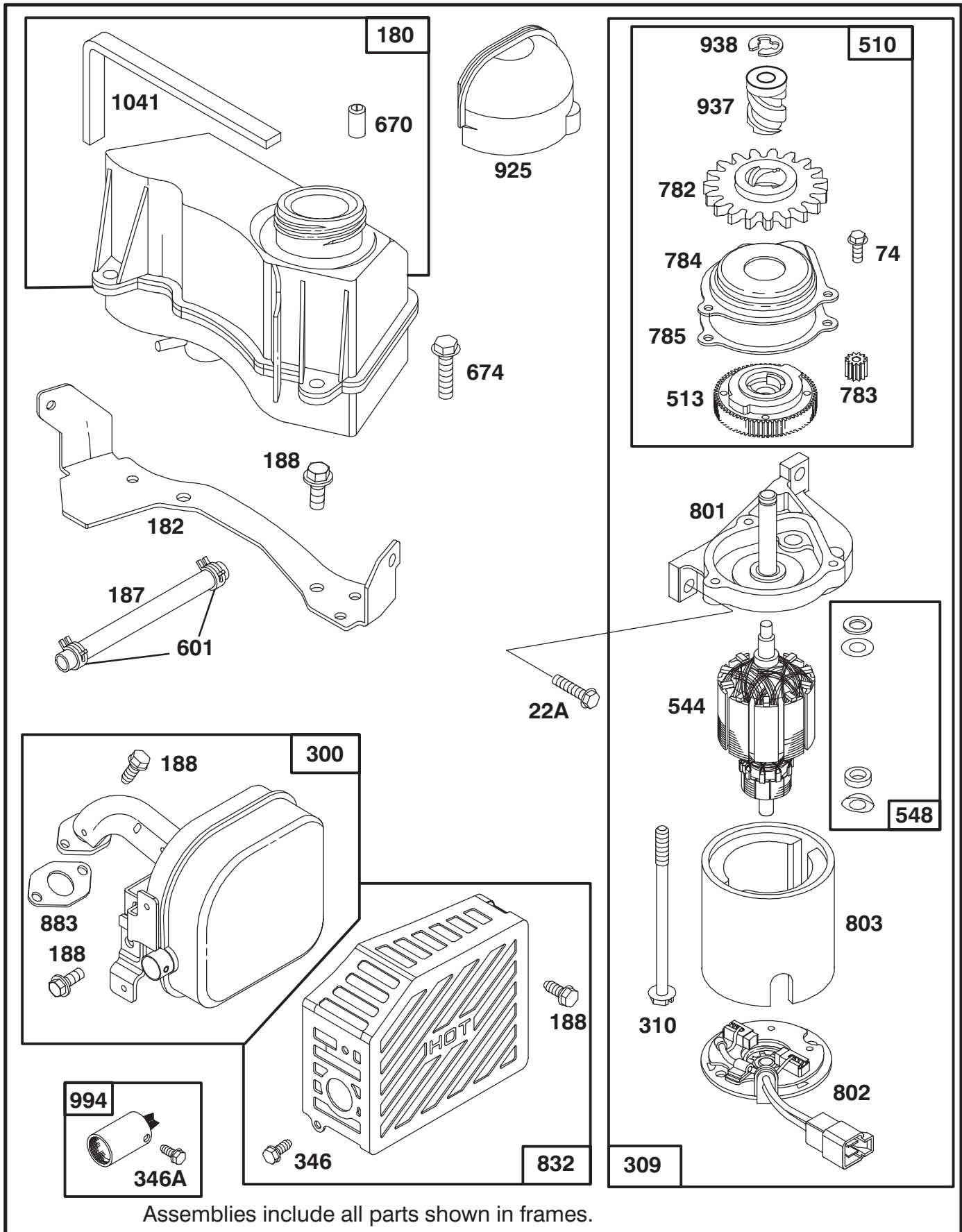


ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)

Ref. No.	Part No.	Description	No. Used
23	77-8320	Flywheel - Magneto	1
24	77-8340	Key - Flywheel	1
55	77-8460	Housing - Rewind Starter	1
56	77-8560	Pulley - Rewind Starter	1
58	77-8480	Spool - Starter Rope (Cut To Suit)	1
59	77-7210	Insert - Starter Grip	1
60	77-8510	Grip - Starter Rope	1
65	77-8300	Screw - Hex. Head	4
188	77-7450	Screw - Hex. Head (Blower bracket)	2
265	77-8280	Clamp - Casing	1
267	77-8290	Screw - Hex Head	1
304	77-8250	Housing - Blower	1
305	77-8310	Screw - Hex. Head (Blower Housing)	4
305A	77-8390	Stud - Mtg.	2

Ref. No.	Part No.	Description	No. Used
332	77-8360	Nut - Hexagon	1
333	77-8420	Armature - Magneto	1
334	77-8440	Screw - Sem	2
356	77-8400	Wire - Ground	1
455	77-8350	Cup - Starter	1
456	77-8470	Retainer - Spring	1
459	77-8530	Pawl & spring - Ratchet	2
461	77-8490	Screw - Rewind Starter	1
474	77-8370	Alternator	1
482	77-8380	Screw - Sem	2
515	77-8500	Spring - Retainer	1
608	77-8450	Starter Assy. - Rewind	1
718A	77-8550	Dowel - Sleeve	1
851	77-8430	Terminal - Spark Plug	1
980	77-7140	Bracket - Blower Housing	1
1002	77-7180	Grommet	1
1016	77-8570	Cover - Pulley	1

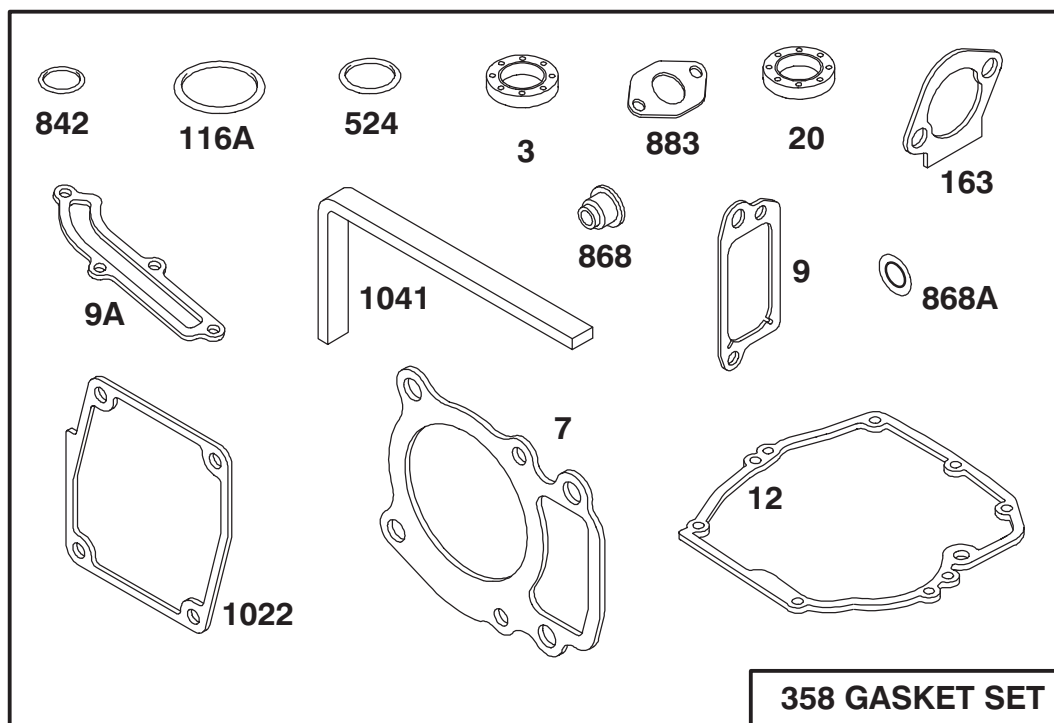
ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)



ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
22A	77-8720	Screw - Carb. Mtg.	2	548	77-8740	Washer - Starter	1
74	77-8800	Screw - Sem	3	601	77-8630	Clamp - CL Pipe	2
180	77-8580	Tank Assy. - Fuel	1	670	77-9030	Spacer - Fuel Tank (Incl. 2)	1
182	77-7170	Bracket - Fuel Tank	1	674	77-8600	Screw - Tank Mtg.	2
187	77-8620	Hose - Fuel (Cut To Suit)	1	782	77-8810	Gear - Starter	1
188	77-7450	Screw - Hex. Head (Muffler guard, muffler manifold to head, connecting bracket, Tk bracket)	7	783	77-8760	Gear - Pinion	1
300	77-8640	Muffler - Exhaust	1	784	77-8780	Cover - Gear	1
309	77-8670	Motor Starter	1	785	77-8790	Gasket - Gear Cover	1
310	77-8710	Bolt - Thru	2	801	77-8680	Cap - Drive	1
346	77-8650	Screw - Self Tap (Muffler Guard)	2	802	77-8690	Cap - End	1
346A	77-9050	Screw - Arrestor Mtg.	1	803	77-8700	Housing - Starter	1
510	77-8910	Drive - Starter	1	832	77-8660	Guard - Muffler	1
513	77-8770	Clutch - Starter	1	*883	77-7760	Gasket - Exhaust	1
544	77-8670	Armature Starter	1	925	77-7200	Cover - Starter	1
				937	77-8820	Drive - Starter	1
				938	77-8830	Retainer - Lock	1
				994	77-9040	Arrestor - Spark	1
				*1041	77-8590	Seal - Foam	1

*Included in Gasket Set

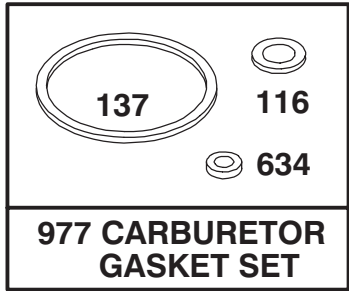
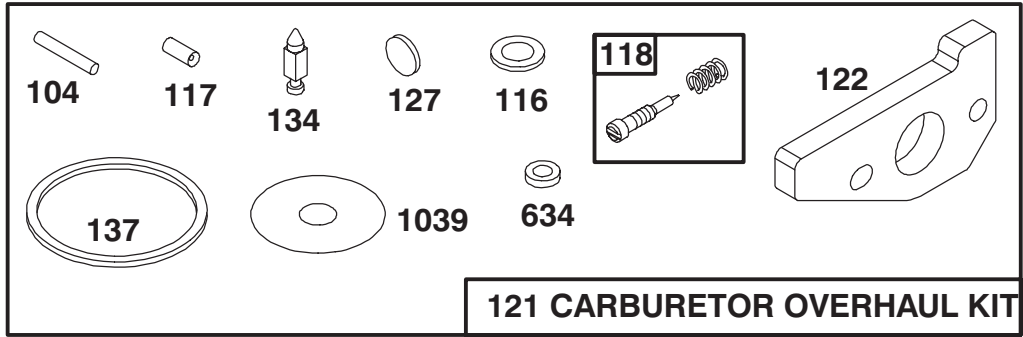


Assemblies include all parts shown in frames.

ENGINE GTS-150 (Model No. 20466 Only) (Model No. 97777-0110-01)

Ref. No.	Part No.	Description	No. Used
3	77-9060	Seal - Oil	1
7	77-7740	Gasket - Cylinder Head	1
9	77-7440	Gasket - Valve Cover	1
9A	77-7410	Gasket - Breather	1
12	77-7550	Gasket - Engine Base	1
20	77-7570	Seal - Oil	1
116A	77-7660	Seal - O Ring	1
163	77-7960	Gasket - Air Cleaner	1
358	77-8900	Gasket Set	1

Ref. No.	Part No.	Description	No. Used
524	77-7270	Seal - Intake Elbow	1
842	77-7300	Seal - O Ring	1
868	77-7890	Seal Assy. - Valve	1
868A	77-7900	Gasket - Valve	1
883	77-7760	Gasket - Exhaust	1
1022	77-7320	Gasket - Rocker Cover	1
1041	77-8590	Seal - Foam	1
		GTS150 Key/BBC Engine	1
	77-9000	High Altitude Jet	1

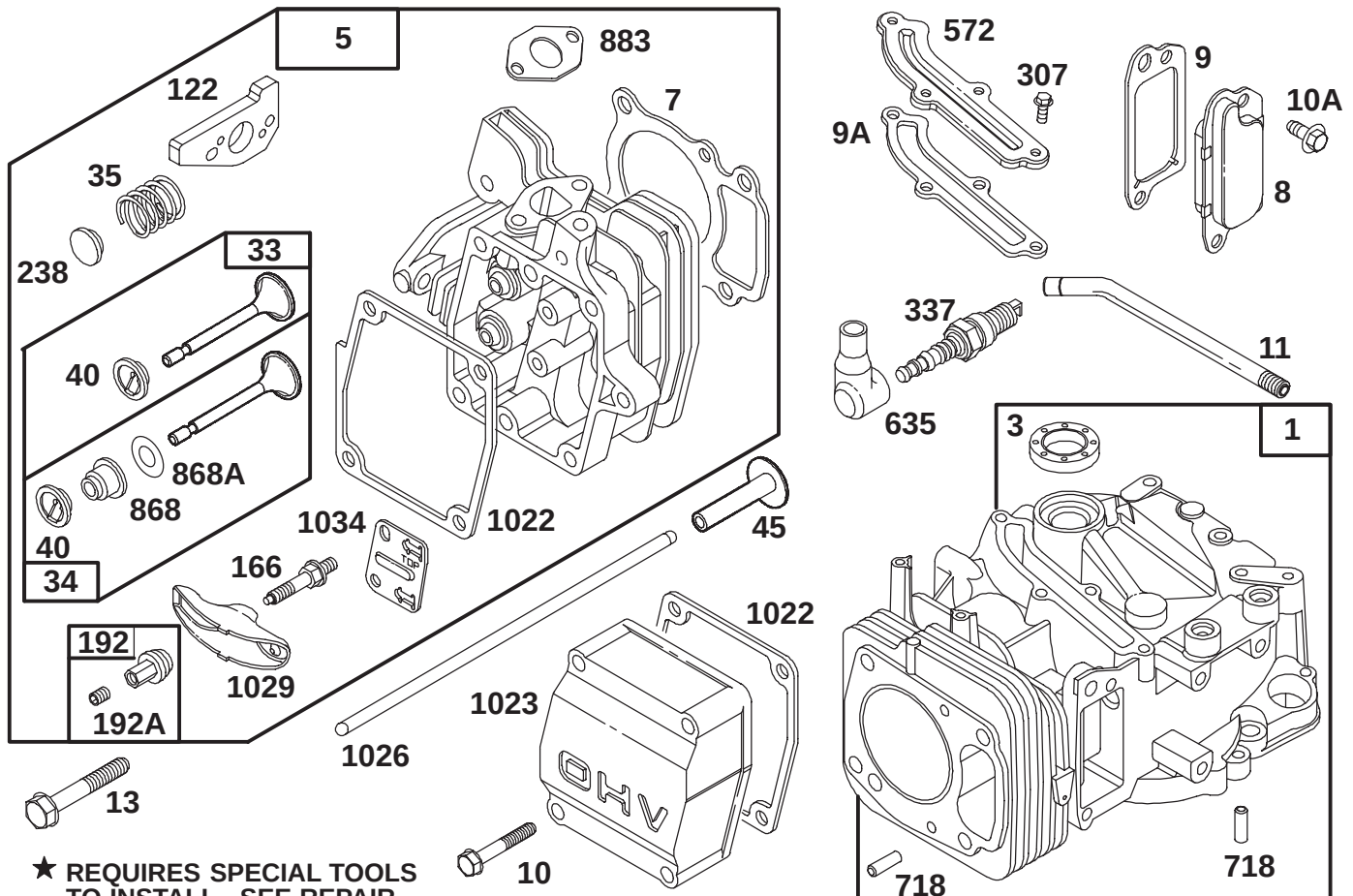


Assemblies include all parts shown in frames.

ENGINE GTS-150 (Model No. 20466 Only) **(Model No. 97777-0110-01)**

Ref. No.	Part No.	Description	No. Used
104	77-8180	Pin - Float Hinge	1
116	77-8210	Washer - Fuel Bowl	1
117	77-8060	Jet - Needle Valve	1
118	77-8230	Valve & Kit - Needle	1
121	77-8920	Overhaul Kit - Carburetor	1
122	77-7820	Adapter Assy.	1
127	77-8100	Plug - Welch	1

Ref. No.	Part No.	Description	No. Used
134	77-8110	Valve - Float (Includes Seat)	1
137	77-8200	Gasket - Fuel Bowl	1
634	77-8150	Washer - Seal	2
977	77-8930	Gasket Set - Carburetor	1
1039	77-7250	Limiter - Float	1



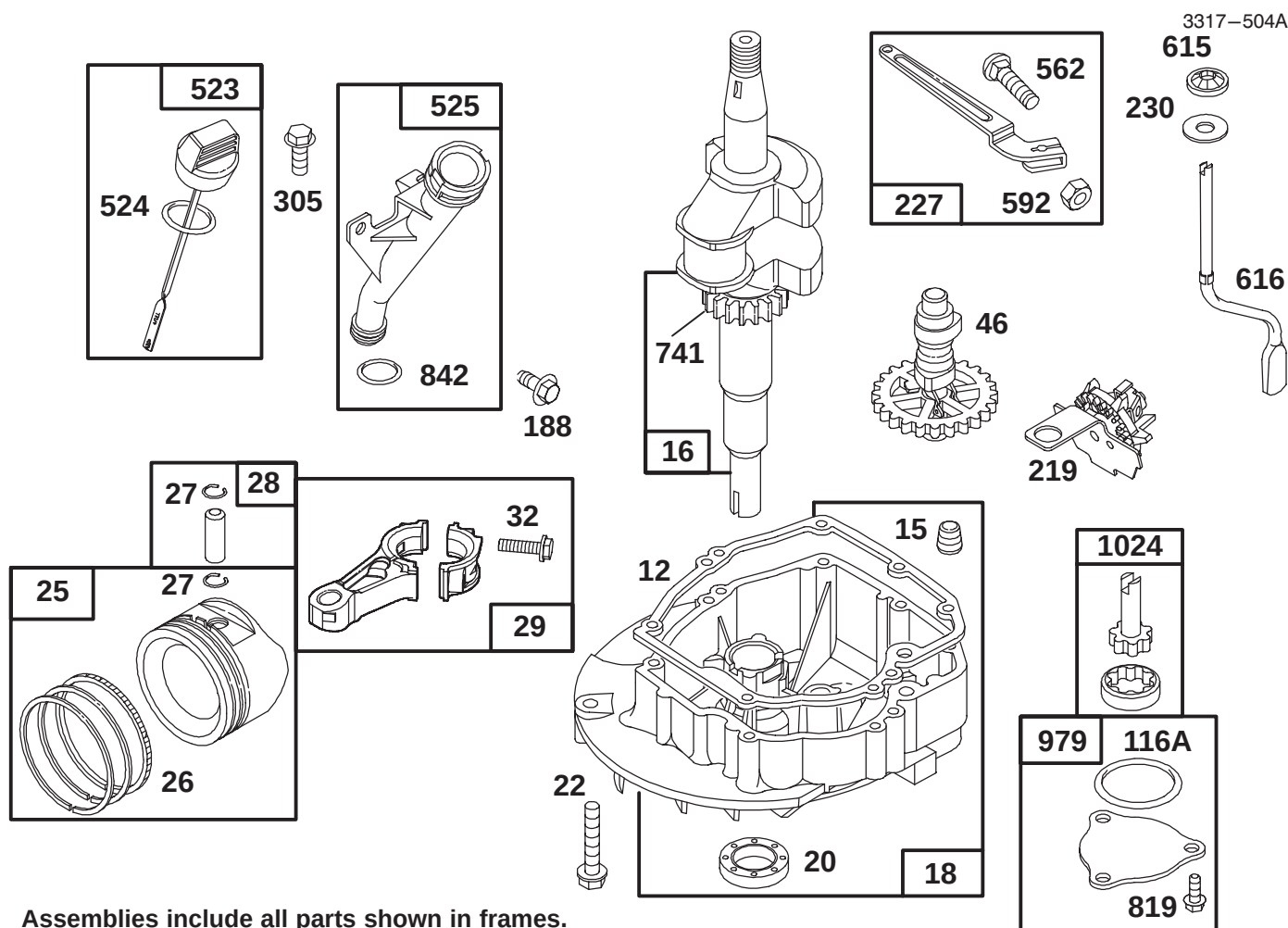
ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
1	77-7590	Cylinder Assy	1
†3	77-9060	Seal - Oil	1
5	77-7730	Head - Cylinder	1
†7	77-7740	Gasket - Cylinder Head	1
8	77-9300	Breather Assy	1
†9	77-9250	Gasket - Breather	1
†9A	77-7410	Gasket - Breather	1
10	77-7360	Screw - Hex Head (Valve Cover)	1
10A	77-9200	Screw - Hex Head	1
11	77-9410	Tube - Breather	1
13	77-7630	Screw - Cylinder Head	1
33	77-7860	Valve - Exhaust	1
34	77-7880	Valve - Intake	1
35	77-7810	Spring - Valve	1
40	77-7870	Retainer - Spring	1
45	77-7610	Tappet - Valve	1
‡122	77-7820	Adapter Assy	1
166	77-7780	Stud - Rocker Arm	1

Ref. No.	Part No.	Description	No. Used
192	77-7910	Ball & Screw - Rocker Arm	1
192A	77-9310	Screw - Set	1
238	77-7800	Cap - Valve	1
307	77-7420	Screw - Cover Mtg (Breather Cover)	1
337	77-7330	Plug - Spark	1
572	77-7400	Cover - Breather	1
635	77-7340	Elbow - Spark Plug	1
718	77-7600	Pin - Dowel	1
†868	77-7890	Seal Assy - Valve	1
†868A	77-7900	Gasket - Valve	1
†883	77-7760	Gasket - Exhaust	1
†1022	77-7320	Gasket - Rocker Cover	1
1023	77-9320	Cover - Valve	1
1026	77-7620	Rod - Push	1
1029	77-7790	Arm - Rocker	1
1034	77-7770	Guide - Push Rod	1

† Included in Gasket Set - Part No. 77-8900

‡ Included in Carburetor Overhaul Kit - Part No. 77-9580

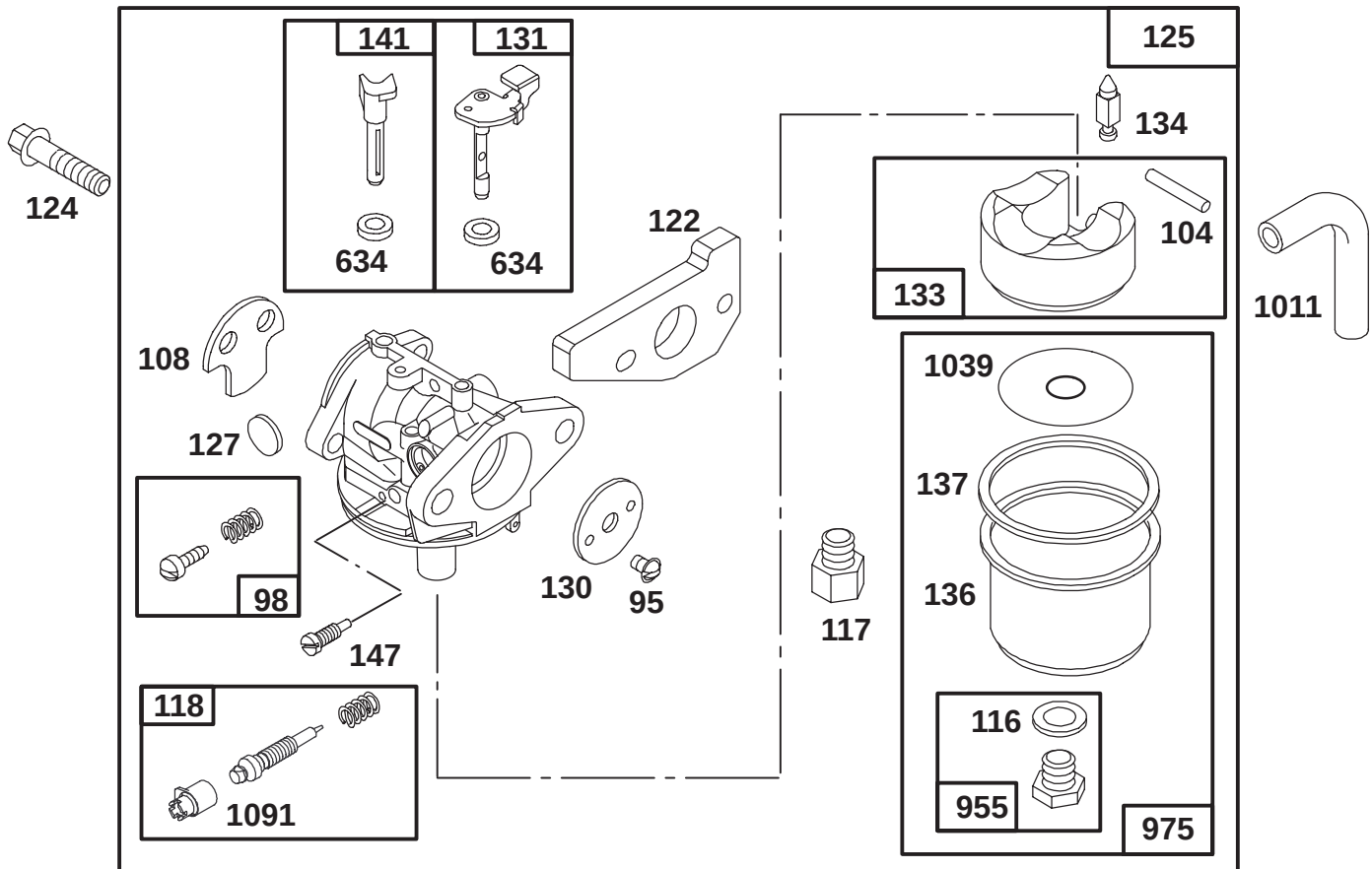


ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
†12	77-7550	Gasket – Engine Base	1
15	77-9240	Plug – Pipe	1
16	77-7510	Crankshaft Note: Order Part No. 77-7540 For Timing Gear Key	1
18	77-7560	Base – Engine	1
†20	77-7570	Seal – Oil	1
22	77-9070	Screw – Engine Base	1
25	77-7690	Piston Assy (Std.)	1
26	77-7700	Ring Set (Std.)	1
27	77-7710	Lock – Piston Pin	1
28	77-9340	Pin Assembly – Piston	1
29	77-7670	Rod – Connecting	1
32	77-7680	Screw – Connecting Rod	1
46	77-7490	Gear – Cam	1
†116A	77-7660	O-Ring	1
188	77-9360	Screw – Hex Head	1

Ref. No.	Part No.	Description	No. Used
219	77-7500	Gear – Governor	1
227	77-7370	Lever Assembly – Governor	1
230	77-7470	Washer	1
305	77-8310	Screw – Hex Head	1
523	77-7260	Dipstick – Oil	1
†524	77-7270	Seal – O-Ring	1
525	77-7280	Tube – Oil Fill	1
562	77-7380	Bolt – Governor Lever	1
592	77-7390	Nut – Hex	1
615	77-7480	Push Nut	1
616	77-7460	Crank – Governor	1
741	77-7530	Gear – Timing	1
†842	77-7300	Seal – O-Ring	1
819	77-7450	Screw – Cap	1
979	77-7650	Cover – Oil Pump	1
1024	77-7640	Pump – Oil	1

† Included in Gasket Set – Part No. 77-8900



Assemblies include all parts shown in frames.

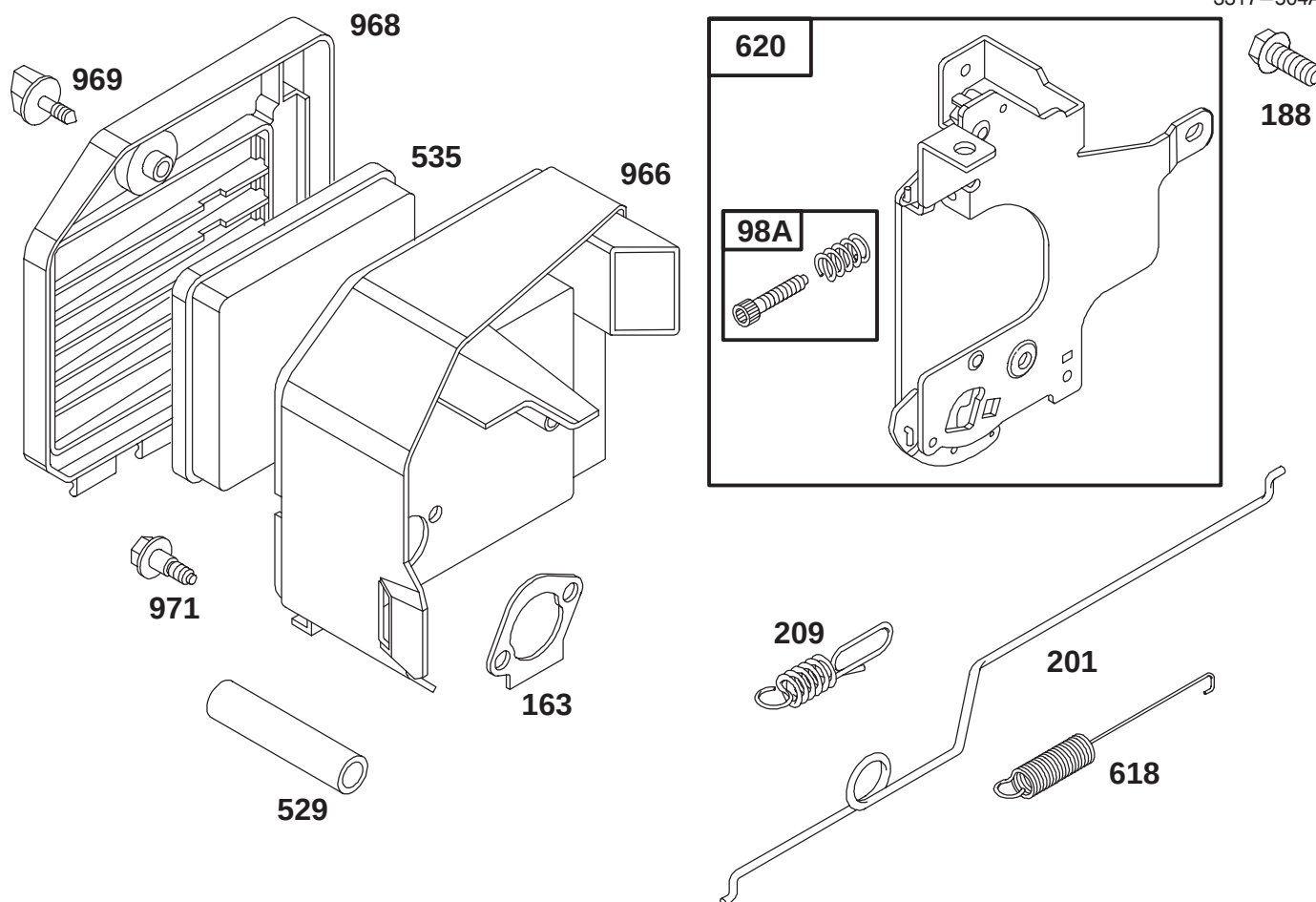
ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
95	77-8090	Screw - Valve Mtg	1
98	77-8240	Screw - Idle Adj.	1
‡104	77-8180	Pin - Float Hinge	1
108	77-9600	Valve - Choke	1
‡*116	77-8210	Gasket - Sealing	1
‡117	77-9610	Jet - Main	1
		Note: For High Altitude Jet, Order Part No. 94-1650	1
‡118	77-9620	Valve & Spring - Needle	1
‡122	77-7820	Adapter Assy	1
124	77-7970	Screw - Hex Head (Carb. Mtg.)	1
125	77-9630	Carburetor Assy	1
‡127	94-1651	Plug - Welch	1

Ref. No.	Part No.	Description	No. Used
130	77-8080	Valve - Throttle	1
131	77-8160	Shaft - Throttle	1
133	77-8170	Float - Carburetor	1
‡134	77-8110	Valve - Inlet (Includes Seat)	1
136	77-7240	Bowl - Fuel	1
‡*137	77-8200	Gasket - Float Bowl	1
141	77-8130	Shaft - Choke	1
147	77-9640	Jet - Pilot	1
*634	77-8150	Washer - Seal	1
955	77-8220	Screw - Hex Head	1
975	77-8190	Bowl Assy - Carburetor	1
1011	77-8040	Tube - Vent	1
‡1039	77-7250	Limiter - Float	1
‡1091	77-9650	Cap - Limiter	1

‡ Included in Gasket Set - Part No. 77-9580

* Included in Gasket Set - Part No. 77-8930



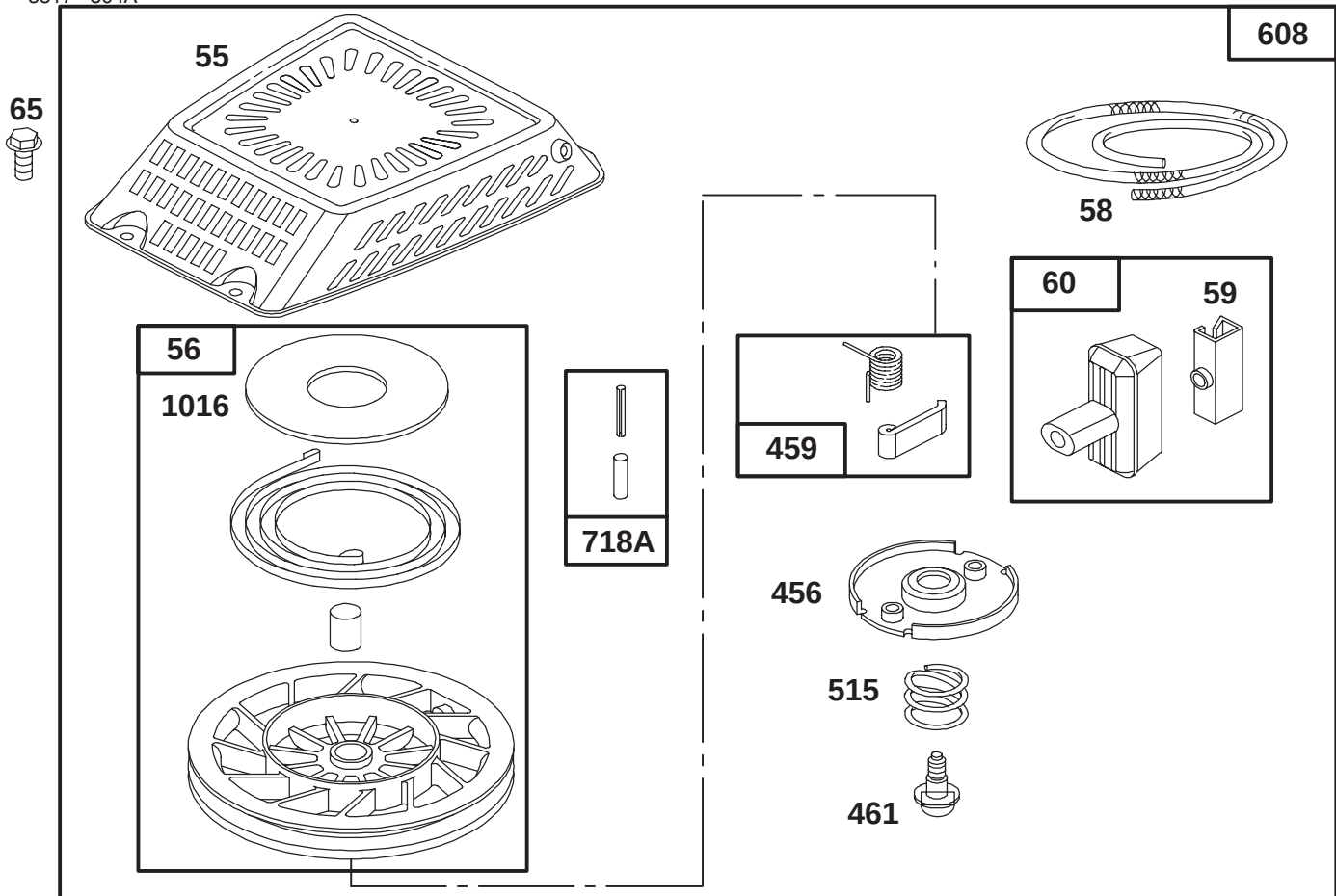
Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
98A	77-8020	Screw Assy - Speed Adj.	1
†163	77-7960	Gasket - Air Cleaner	1
188	77-9360	Screw - Hex Head	1
201	77-7980	Link - Governor	1
209	77-7990	Spring - Governor	1
529	77-9470	Tube - Breather	1
535	77-7950	Element - Filter	1

Ref. No.	Part No.	Description	No. Used
618	77-8140	Spring - Choke	1
620	77-8000	Bracket - Carburetor	1
966	77-7940	Base - Air Cleaner	1
968	77-7040	Cover - Air Cleaner	1
969	77-7920	Screw - Air Cleaner	1
971	77-7930	Screw - Air Cleaner	1

† Included in Gasket Set - Part No. 77-8900

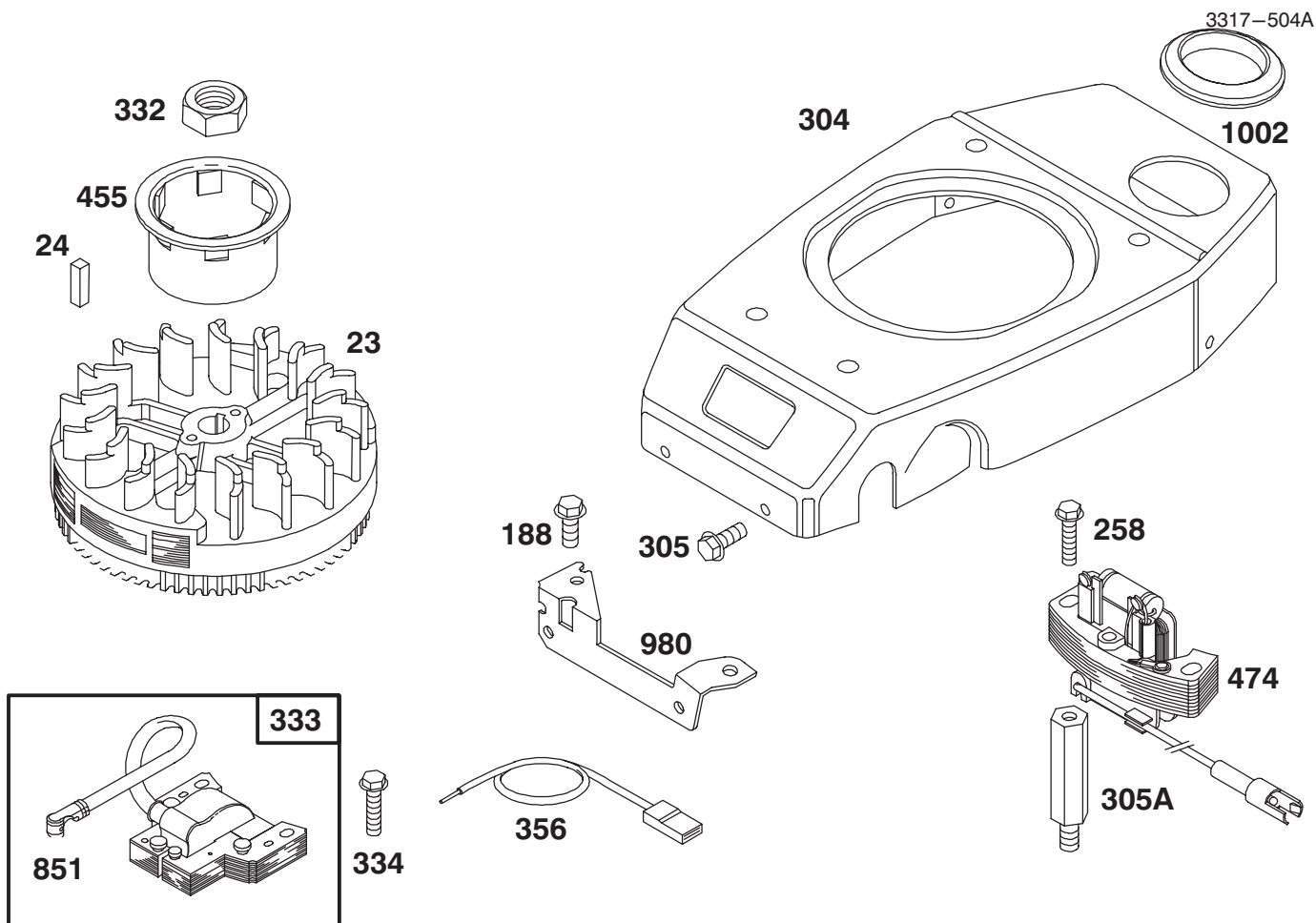


Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
55	77-8460	Housing – Rewind Starter	1
56	77-9270	Pulley – Rewind Starter	1
58	77-8480	Rope – Starter (Cut To Suit)	1
59	77-7210	Insert – Rewind Handle	1
60	77-8510	Handle – Rewind Starter	1
65	77-8300	Screw – Hex Head	1

Ref. No.	Part No.	Description	No. Used
456	77-8470	Retainer – Rewind Starter	1
459	77-8530	Pawl – Starter	1
461	77-8490	Screw – Rewind Starter	1
515	77-8500	Spring – Torsion	1
608	77-8450	Starter Assy – Rewind	1
718A	77-8550	Pin – Spring	1
1016	77-8570	Cover – Spring	1



Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
23	77-8320	Flywheel - Magneto	1
24	77-8340	Key - Flywheel	1
37	77-7190	Guard - Flywheel	1
188	77-9360	Screw - Hex Head	1
258	77-8870	Screw - Hex Head	1
304	77-8280	Housing - Blower	1
305	77-8310	Screw - Hex Head	1
305A	77-8390	Stud - Stator Mounting	1
332	77-8360	Nut - Flywheel	1

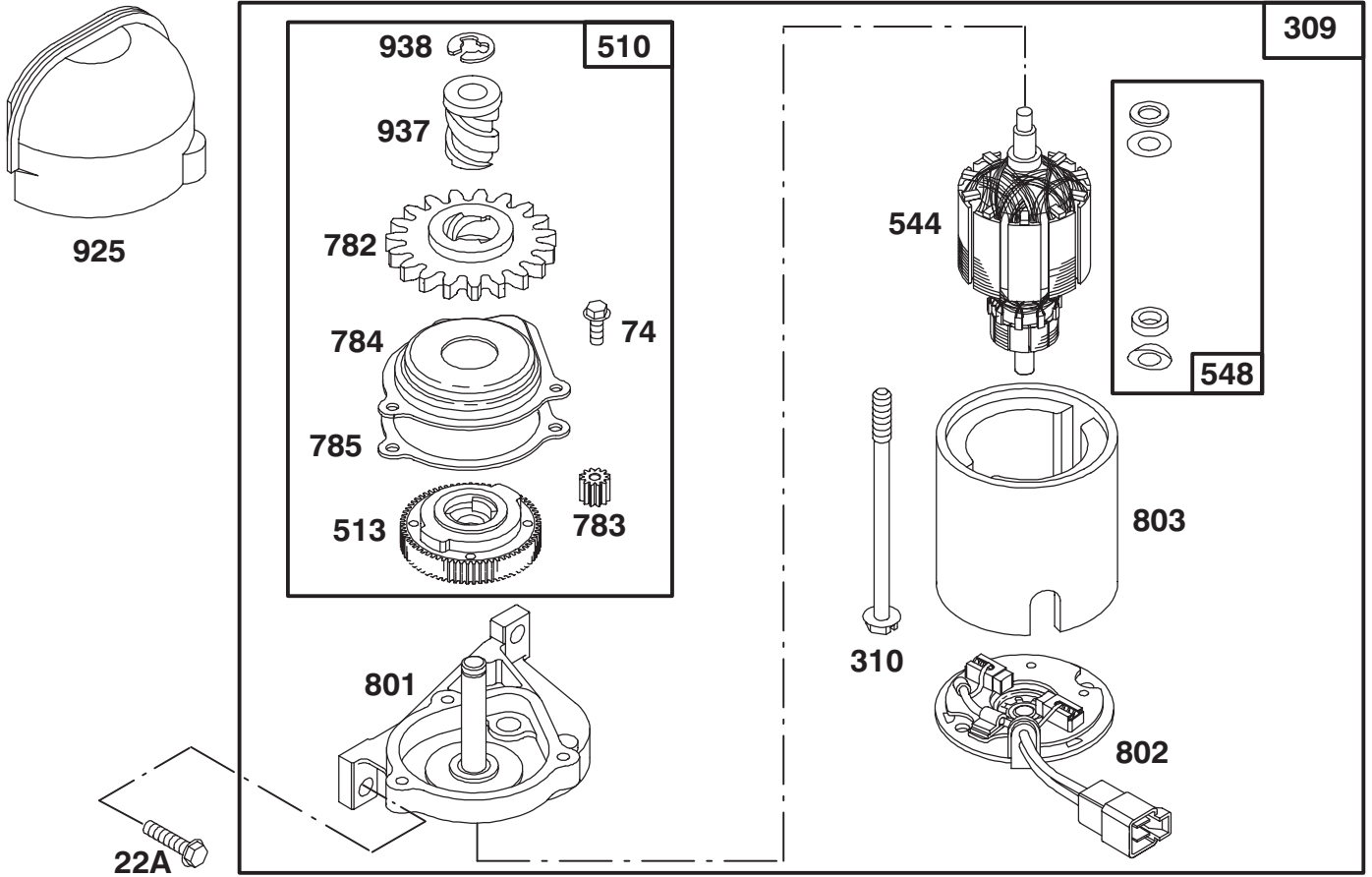
Ref. No.	Part No.	Description	No. Used
333	77-8420	Armature - Magneto	1
334	77-9420	Screw - Armature Mtg.	1
356	77-8400	Wire - Ground	1
455	77-8350	Cup - Starter	1
474	77-8370	Stator Assembly	1
851	77-8430	Terminal - Spark Plug	1
980	77-7140	Bracket - Blower Housing	1
1002	77-7180	Grommet	1

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
180	77-8580	Tank Assy - Fuel	1
182	77-7170	Bracket - Fuel Tank	1
187	78-4100	Hose - Fuel (Cut To Suit)	1
188	77-9360	Screw - Cap	1
300	77-8640	Muffler - Exhaust	1
346	77-9430	Screw - Hex Head	1

Ref. No.	Part No.	Description	No. Used
601	78-4690	Clamp - Hose	1
670	77-9030	Spacer - Fuel Tank	1
674	77-8600	Screw - Tank Mtg.	1
†832	77-9290	Guard - Muffler	1
†1041	77-8590	Seal - Foam	1

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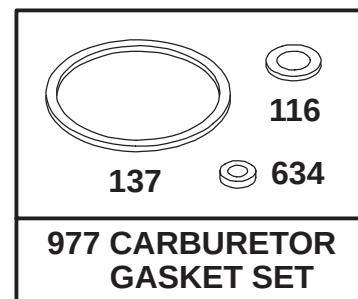
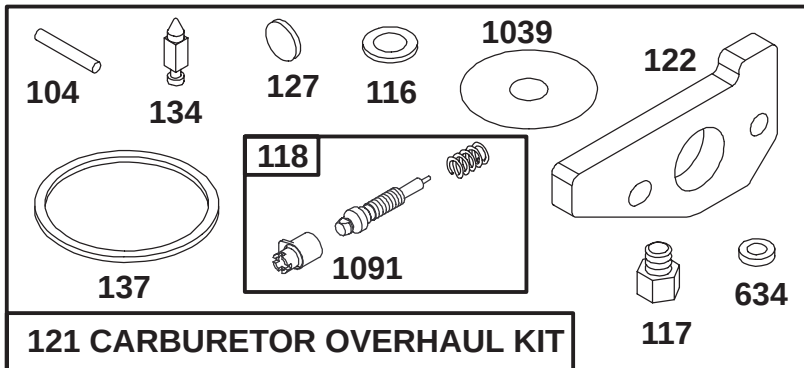
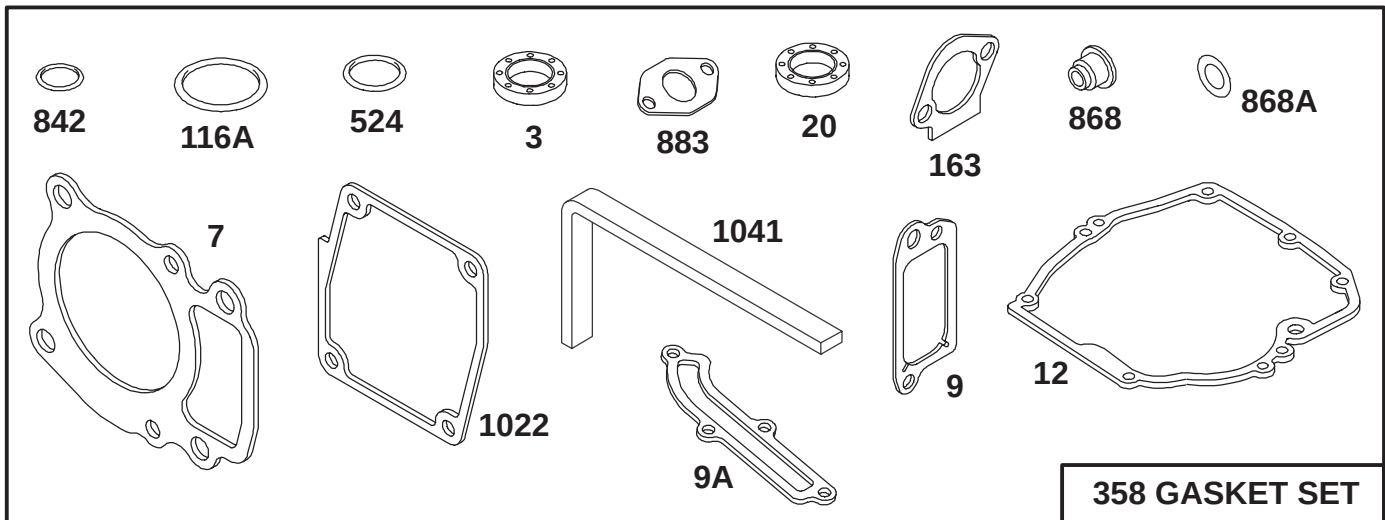


Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
22A	77-8420	Screw - Hex Washer Hd.	1
74	77-8800	Screw - Hex Washer Hd.	1
309	77-8670	Motor - Starter	1
310	77-8710	Screw - Hex Washer Hd.	1
510	77-8910	Drive Kit	1
513	77-8770	Clutch Assembly	1
544	77-8670	Armature Assembly	1
548	77-8470	Washer Set	1
782	77-8810	Pinion - Starter	1

Ref. No.	Part No.	Description	No. Used
783	77-8760	Gear - Pinion	1
784	77-8780	Cover - Gear	1
785	77-8790	Gasket - Cover	1
801	77-8680	Bracket Assembly	1
802	77-8690	Head Assembly	1
803	77-8700	Shell & Magnet Assembly	1
925	77-7200	Cover - Starter	1
937	77-8820	Spline - Starter	1
938	77-8830	Retainer - Lock	1



Assemblies include all parts shown in frames.

ENGINE GTS 150 (Model No. 20466 Only) (Model No. 97777-0311-A1)

Ref. No.	Part No.	Description	No. Used
†3	77-9060	Seal – Oil (Upper)	1
†7	77-7740	Gasket – Cylinder Head	1
†9	77-9250	Gasket – Breather	1
†9A	77-7410	Gasket – Breather Cover	1
†12	77-7550	Gasket – Engine Base	1
†20	77-7570	Seal – Oil (Lower)	1
‡104	77-8180	Pin – Float Hinge	1
‡*116	77-8210	Washer – Bowl	1
†116A	77-7660	Seal – O-Ring	1
‡117	77-9610	Jet – Main	1
‡118	77-9620	Valve & Spring – Needle	1
121	77-9580	Overhaul Kit – Carburetor	1
‡122	77-7820	Adapter Assy	1
‡127	94-1651	Plug – Welch	1
‡134	77-8110	Valve – Inlet (Includes Seat)	1

Ref. No.	Part No.	Description	No. Used
‡*137	77-8200	Gasket – Float Bowl	1
†163	77-7960	Gasket – Air Cleaner	1
358	77-8900	Gasket Set	1
†524	77-7270	Seal – O-Ring (Oil Fill Cap)	1
*634	77-8150	Washer – Seal	1
†842	77-7300	Seal – O-Ring (Oil Fill Tube)	1
†868	77-7890	Seal Assy – Valve	1
†868A	77-7900	Seal – Valve	1
†883	77-7760	Gasket – Exhaust	1
977	77-8930	Carburetor Gasket Set	1
†1022	77-7320	Gasket – Rocker Cover	1
‡1039	77-7250	Limiter – Float	1
†1041	77-8590	Seal – Foam (Fuel Tank)	1
‡1091	77-9650	Cap – Limiter	1

‡ Incl. in Carburetor Overhaul Kit – Part No. 77-9580

*Incl. in Carburetor Gasket Set – Part No. 77-8930

† Included in Gasket Set – Part No. 77-8900

TORO PART NUMBER INDEX

3317-504A

Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
3-3287	Spacer	8	5	2	46-7040	Screw - Hex Washer Hd.	9	33	3
3-3287	Spacer	9	5	2	46-7370	Decal - Step Pad	2	41	1
3-5792	Washer	2	36	1	48-2060	Needle Bearing	6	21	2
14-4069	Cover - Recycler	1	12	1	49-1630	Spacer - Support	8	36	1
14-9989	Wheel & Tire Assembly	1	25	2	49-1630	Spacer - Support	9	36	1
16-0029	Wheel & Tire Assembly	5	20	2	49-2040	Screw - Hex Hd.	2	33	2
16-0029	Wheel - Tire & Gear Ass'y	6	30	2	49-2040	Screw - Self Tapping	6	8	8
16-9569	Panel - Control	8	12	1	49-2810	Link - Control	3	11	1
16-9579	Panel - Control	9	12	1	49-2820	Lever	3	14	1
16-9589	Housing - 21	1	1	1	49-7920	Brake Plate Assembly	3	20	1
19-4050	Knob	8	11	2	49-7950	Sleeve - Bell Crank	3	13	1
19-4050	Knob	9	11	2	49-7960	Crank - Bell	3	12	1
25-7740	Knob - Arm	6	3	2	49-7970	Spring - Torsion Upper	3	16	1
25-7740	Knob - Arm	1	21	4	52-3480	Damper - Vibration	4	7	2
27-6232	Bolt - Wheel	1	26	4	52-7410	Spring - Leaf	8	31	1
27-6232	Wheel Bolt	6	32	2	52-7410	Spring - Leaf	9	31	1
27-6250	Bushing - Wheel	6	31	4	52-7430	Bar - Control	8	18	1
27-7210	Screw - Shoulder	8	4	2	52-7430	Bar - Control	9	18	1
27-7210	Screw - Shoulder	9	4	2	54-9190	Nut - Lock	4	14	2
27-7211	Screw - Shoulder	8	7	2	55-3570	Gas Cap Assembly	3	2	1
27-7211	Screw - Shoulder	9	7	2	55-3760	Gear - Pinion 15 Tooth	6	47	1
29-9570	Bushing - Yoke	6	37	1	55-3770	Gear - 49 Tooth 1st Gear	7	56	1
33-3208	Rod - Shield	1	16	1	55-3780	Gear - Pinion 20 Tooth	6	48	1
36-4780	Washer - Thrust	6	42	1	55-3790	Gear - 44 Tooth 2nd Gear	7	55	1
36-4791	Washer - Thrust	6	46	2	55-3800	Gear - Pinion	7	49	1
37-7260	Screw - Tapping	2	35	1	55-3810	Gear - 39 Tooth 3rd Gear	7	54	1
37-7260	Screw - Tapping	2	35	2	55-7520	Battery Assembly	9	50	1
37-7262	Screw - Special	2	38	1	55-8180	Retainer - Battery	9	51	1
38-7820	Bearing - Ball	7	58	1	56-6160	Flywheel - BBC	4	3	1
40-1940	Washer	1	19	4	56-6170	Drum - Brake	4	5	1
42-0884	V-Belt - BBC	3	22	1	57-6290	Pin - Insert	8	32	1
42-3190	Bolt - Blade	4	4	2	57-6290	Pin - Insert	9	32	1
42-3520	Cap - End	5	5	2	60-8710	Gear Case - Upper	7	59	1
42-3520	End Cap	6	5	2	60-8730	Cover - Gear Case	6	44	1
42-6890	Hub Assembly - BBC	4	6	1	60-8750	Bushing - Int. Shaft	6	45	2
43-8480	Decal - Danger	1	3	1	60-8770	Bushing - Output Shaft	6	43	1
44-0580	Shield - Trailing	1	15	1	60-8790	Sleeve - Gear	7	53	1
46-5460	Housing - Control LH	8	19	1	60-8800	Shaft - Intermediate	7	50	1
46-5460	Housing - Control LH	9	19	1	60-8810	Retainer - Shift Fork	6	38	1
46-5480	Cable - Traction	8	42	1	60-8821	Lever - Shift	5	2	1
46-5480	Cable - Traction	9	42	1	60-8821	Lever - Shift	6	17	1
46-5510	Spring - Torsion	8	25	1	60-8840	Pulley - Half	6	10	2
46-5510	Spring - Torsion	9	25	1	60-8850	Bushing - Output Shaft	7	51	1
46-5520	Lever - Traction	8	21	1	60-8870	Yoke - Shift	6	36	1
46-5520	Lever - Traction	9	21	1	60-8890	Pinion - Bevel	7	57	1
46-5530	Hook - Control	8	24	1	62-3720	Clamp - Cable	2	42	1
46-5530	Hook - Control	9	24	1	62-3900	V-Belt	5	1	1
46-5540	Lever - Cable	8	23	1	62-3900	V-Belt	6	13	1
46-5540	Lever - Cable	9	23	1	62-4320	Bracket - Belt Guide	6	7	1
46-5550	Bushing - PM	8	26	1	62-4320	Bracket - Guide Belt	2	32	1
46-5550	Bushing - PM	9	26	1	62-6660	Spacer	6	9	1
46-5590	Spacer	8	20	1	62-6673	Gear Case Assembly	7		1
46-5590	Spacer	9	20	1	62-6673	Gear Case Assembly	1	31	1
46-5630	Hub - Pulley Idler	3	23	1	62-7560	Pulley - Driver	4	2	1
46-5650	Pulley - Idler	3	21	1	63-8360	Key - Ignition	9	49	1
46-5670	Spring - Torsion Lower	3	19	1	63-8701	Pivot Arm Ass'y	5	8	2
46-5690	Shield - BBC	4	8	1	63-8701-03	Pivot Arm Assembly	6	2	2
46-5780	Switch - Starter	9	46	1	63-8721	Spring Arm Ass'y	5	6	2
46-6440	Cover - Cables Control	8	43	1	63-8721	Spring Arm Assembly	6	4	2
46-6440	Cover - Cables Control	9	43	1	65-2720	Ring - Retaining	5	11	4
46-6810	Screw - Hex Washer Hd.	1	14	1	65-2720	Ring - Retaining	6	24	4
46-6811	Screw - Hex Washer Hd.	1	13	3	65-4710	Ring - Friction	5	12	2
46-7030	Retainer - Cable	1	29	1	65-4710	Ring - Friction	6	25	2
46-7040	Screw - Hex Washer Hd.	8	33	3	65-4720	Spring	6	28	2

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Part No.	Description	Pg. No.	Ref. No.	Qty.	Part No.	Description	Pg. No.	Ref. No.	Qty.
65-4720	Spring - Compression	5	17	2	77-7210	Insert - Rewind Handle	42	59	1
65-4730	Thrust Washer	6	22	2	77-7210	Insert - Starter Grip	15	59	1
65-4730	Washer - Thrust	5	9	2	77-7210	Insert - Starter Grip	33	59	1
65-4740	Thrust Washer	6	23	4	77-7240	Bowl - Fuel	13	136	1
65-4740	Washer - Thrust Keyed	5	10	4	77-7240	Bowl - Fuel	22	136	1
65-4750	Gear - Pinion	5	16	2	77-7240	Bowl - Fuel	31	136	1
65-4750	Gear - Pinion	6	1	2	77-7240	Bowl - Fuel	40	136	1
65-4760	Washer	5	13	2	77-7250	Limiter - Float	13	1039	1
65-4760	Washer - Clutch	6	26	2	77-7250	Limiter - Float	22	1039	1
65-4770	Shaft - Output	6	18	1	77-7250	Limiter - Float	27	1039	1
65-5250	Clip - Spring	7	61	1	77-7250	Limiter - Float	31	1039	1
66-0160	Housing - Control RH	8	30	1	77-7250	Limiter - Float	40	1039	1
66-0160	Housing - Control RH	9	30	1	77-7250	Limiter - Float	46	1039	1
66-0170	Washer - Nylon	8	28	1	77-7250	Limiter - Float	18	1039	1
66-0170	Washer - Nylon	9	28	1	77-7250	Limiter - Float	37	1039	1
66-0180	Rocker	8	22	1	77-7260	Dipstick - Oil	11	523	1
66-0180	Rocker	9	22	1	77-7260	Dipstick - Oil	21	523	1
66-0190	Spring - Detent	8	29	1	77-7260	Dipstick - Oil	29	523	1
66-0190	Spring - Detent	9	29	1	77-7260	Dipstick - Oil	39	523	1
66-0541	Spring Arm Ass'y - Front	1	20	2	77-7270	Seal - Intake Elbow	11	524	1
66-0560	Screw - Shoulder	1	24	2	77-7270	Seal - Intake Elbow	19	524	1
66-0570	Guide - Belt	3	8	1	77-7270	Seal - Intake Elbow	36	524	1
66-0580	Arm - Pivot	1	23	2	77-7270	Seal - Intake Elbow	29	524	1
66-6040	Key - Rocker R.H.	6		1	77-7270	Seal - O-Ring	21	524	1
66-6040	Key - Rocking RH	5		1	77-7270	Seal - O-Ring	27	524	1
66-6050	Key - Rocker L.H.	6	27	1	77-7270	Seal - O-Ring	39	524	1
66-6050	Key - Rocking LH	5	14	1	77-7270	Seal - O-Ring	46	524	1
68-9780	Bearing	3	18	2	77-7280	Tube - Oil Fill	21	525	1
70-1160	Washer - PM	3	17	1	77-7280	Tube - Oil Fill	39	525	1
70-9760	Bushing	6	19	2	77-7280	Tube - Oil Filler	11	525	1
71-8391	Control - Control	8	40	1	77-7290	Tube - Oil Filler	29	525	1
71-8391	Control - Control	9	40	1	77-7300	Seal - O Ring	19	842	1
74-1660	Cover - Wheel	5	18	2	77-7300	Seal - O Ring	11	842	1
74-1660	Cover - Wheel	6	29	2	77-7300	Seal - O Ring	29	842	1
74-1670	Spacer - Wheel Cover	6	33	2	77-7300	Seal - O Ring	36	842	1
74-1671	Spacer - Cover Wheel	5	19	2	77-7300	Seal - O-Ring	21	842	1
76-0760	Key - Shift	6	40	2	77-7300	Seal - O-Ring	27	842	1
76-0770	Collar - Shift	6	41	1	77-7300	Seal - O-Ring	39	842	1
76-0780	Sleeve - Shift Key	6	39	1	77-7300	Seal - O-Ring	46	842	1
76-2712	Control - Speed Ground	8	39	1	77-7320	Gasket - Rocker Cover	11	1022	1
76-2712	Control - Speed Ground	9	39	1	77-7320	Gasket - Rocker Cover	20	1022	1
77-7040	Cover - Air Cleaner	23	968	1	77-7320	Gasket - Rocker Cover	27	1022	1
77-7040	Cover - Air Cleaner	41	968	1	77-7320	Gasket - Rocker Cover	29	1022	1
77-7040	Cover - Air Cover	13	968	1	77-7320	Gasket - Rocker Cover	38	1022	1
77-7040	Cover - Air Cover	31	968	1	77-7320	Gasket - Rocker Cover	46	1022	1
77-7060	Cover - Valve	29	1023	1	77-7320	Gasket - Rocker Cover	19	1022	1
77-7140	Bracket - Blower Housing.	15	980	1	77-7320	Gasket - Rocker Cover	36	1022	1
77-7140	Bracket - Blower Housing	25	980	1	77-7330	Plug - Spark	11	337	1
77-7140	Bracket - Blower Housing	33	980	1	77-7330	Plug - Spark	20	337	1
77-7140	Bracket - Blower Housing	43	980	1	77-7330	Plug - Spark	29	337	1
77-7170	Bracket - Fuel Tank	17	182	1	77-7330	Plug - Spark	38	337	1
77-7170	Bracket - Fuel Tank	26	182	1	77-7340	Elbow - Spark Plug	11	635	1
77-7170	Bracket - Fuel Tank	35	182	1	77-7340	Elbow - Spark Plug	20	635	1
77-7170	Bracket - Fuel Tank	44	182	1	77-7340	Elbow - Spark Plug	29	635	1
77-7180	Grommet	15	1002	1	77-7340	Elbow - Spark Plug	38	635	1
77-7180	Grommet	25	1002	1	77-7350	Tube - Breather	29	11	1
77-7180	Grommet	33	1002	1	77-7360	Screw - Hex Head	20	10	1
77-7180	Grommet	43	1002	1	77-7360	Screw - Hex Head	38	10	1
77-7190	Guard - Flywheel	15	37	1	77-7360	Screw - Hex. Head	11	10	4
77-7190	Guard - Flywheel	25	37	1	77-7360	Screw - Hex. Head	29	10	4
77-7190	Guard - Flywheel	43	37	1	77-7370	Lever - Governor	29	227	1
77-7200	Cover - Starter	35	925	1	77-7370	Lever Assembly - Governor	21	227	1
77-7200	Cover - Starter	45	925	1	77-7370	Lever Assembly - Governor	39	227	1
77-7210	Insert - Rewind Handle	24	59	1	77-7370	Lever - Governor	11	227	1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
77-7380	Bolt – Governor Lever	11 562 1	77-7550	Gasket – Engine Base	21 12 1
77-7380	Bolt – Governor Lever	21 562 1	77-7550	Gasket – Engine Base	27 12 1
77-7380	Bolt – Governor Lever	29 562 1	77-7550	Gasket – Engine Base	29 12 1
77-7380	Bolt – Governor Lever	39 562 1	77-7550	Gasket – Engine Base	39 12 1
77-7390	Nut – Hex	21 592 1	77-7550	Gasket – Engine Base	46 12 1
77-7390	Nut – Hex	39 592 1	77-7550	Gasket – Engine Base	19 12 1
77-7390	Nut – Hex.	11 592 1	77-7550	Gasket – Engine Base	36 12 1
77-7390	Nut – Hex.	29 592 1	77-7560	Base – Engine	11 18 1
77-7400	Baffle – Cylinder	11 572 1	77-7560	Base – Engine	21 18 1
77-7400	Baffle – Cylinder	29 572 1	77-7560	Base – Engine	29 18 1
77-7400	Cover – Breather	20 572 1	77-7560	Base – Engine	39 18 1
77-7400	Cover – Breather	38 572 1	77-7570	Seal – Oil	11 20 1
77-7410	Gasket – Breather	11 9A 1	77-7570	Seal – Oil	21 20 1
77-7410	Gasket – Breather	20 9A 1	77-7570	Seal – Oil	27 20 1
77-7410	Gasket – Breather	29 9A 1	77-7570	Seal – Oil	29 20 1
77-7410	Gasket – Breather	38 9A 1	77-7570	Seal – Oil	39 20 1
77-7410	Gasket – Breather	19 9A 1	77-7570	Seal – Oil	46 20 1
77-7410	Gasket – Breather	36 9A 1	77-7570	Seal – Oil	19 20 1
77-7410	Gasket – Breather Cover	27 9A 1	77-7570	Seal – Oil	36 20 1
77-7410	Gasket – Breather Cover	46 9A 1	77-7580	Plug – Oil Drain	29 15 1
77-7420	Screw – Cover Mtg	20 307 1	77-7590	Cylinder Assy	20 1 1
77-7420	Screw – Cover Mtg	38 307 1	77-7590	Cylinder Assy	38 1 1
77-7420	Screw – Sem	11 307 4	77-7590	Cylinder Assy.	11 1 1
77-7420	Screw – Sem	29 307 4	77-7590	Cylinder Assy.	29 1 1
77-7430	Breather Valve	29 8 1	77-7600	Dowel – Sleeve	11 718 2
77-7440	Gasket – Valve Cover	29 9 1	77-7600	Dowel – Sleeve	29 718 2
77-7440	Gasket – Valve Cover	36 9 1	77-7600	Pin – Dowel	20 718 1
77-7450	Screw – Cap	11 819 1	77-7600	Pin – Dowel	38 718 1
77-7450	Screw – Cap	21 819 1	77-7610	Tappet – Valve	11 45 2
77-7450	Screw – Cap	39 819 1	77-7610	Tappet – Valve	20 45 1
77-7450	Screw – Hex. Head	15 188 4	77-7610	Tappet – Valve	29 45 2
77-7450	Screw – Hex. Head	31 188 2	77-7610	Tappet – Valve	38 45 1
77-7450	Screw – Hex. Head	33 188 2	77-7620	Rod – Push	11 1026 2
77-7450	Screw – Hex. Head	35 188 7	77-7620	Rod – Push	20 1026 1
77-7450	Screw – Sem	29 188 5	77-7620	Rod – Push	29 1026 2
77-7460	Crank – Governor	11 616 1	77-7620	Rod – Push	38 1026 1
77-7460	Crank – Governor	21 616 1	77-7630	Screw – Cylinder Head	11 13 4
77-7460	Crank – Governor	29 616 1	77-7630	Screw – Cylinder Head	20 13 1
77-7460	Crank – Governor	39 616 1	77-7630	Screw – Cylinder Head	29 13 4
77-7470	Washer	21 230 1	77-7630	Screw – Cylinder Head	38 13 1
77-7470	Washer	39 230 1	77-7640	Pump – Oil	11 1024 1
77-7470	Washer – Thrust	11 230 1	77-7640	Pump – Oil	21 1024 1
77-7470	Washer – Thrust	29 230 1	77-7640	Pump – Oil	29 1024 1
77-7480	Fastener	11 615 1	77-7640	Pump – Oil	39 1024 1
77-7480	Fastener	29 615 1	77-7650	Cover – Oil Pump	11 979 1
77-7480	Push Nut	21 615 1	77-7650	Cover – Oil Pump	21 979 1
77-7480	Push Nut	39 615 1	77-7650	Cover – Oil Pump	29 979 1
77-7490	Gear – Cam	11 46 1	77-7650	Cover – Oil Pump	39 979 1
77-7490	Gear – Cam	21 46 1	77-7660	O–Ring	21 116A 1
77-7490	Gear – Cam	29 46 1	77-7660	O–Ring	39 116A 1
77-7490	Gear – Cam	39 46 1	77-7660	Seal – O Ring	19 116A 1
77-7500	Gear – Governor	11 219 1	77-7660	Seal – O Ring	36 116A 1
77-7500	Gear – Governor	21 219 1	77-7660	Seal – O Ring	11 116A 1
77-7500	Gear – Governor	29 219 1	77-7660	Seal – O Ring	29 116A 1
77-7500	Gear – Governor	39 219 1	77-7660	Seal – O–Ring	27 116A 1
77-7510	Crankshaft	11 16 1	77-7660	Seal – O–Ring	46 116A 1
77-7510	Crankshaft	21 16 1	77-7670	Rod – Connecting	11 29 1
77-7510	Crankshaft	29 16 1	77-7670	Rod – Connecting	21 29 1
77-7510	Crankshaft	39 16 1	77-7670	Rod – Connecting	29 29 1
77-7530	Gear – Timing	29 741 1	77-7670	Rod – Connecting	39 29 1
77-7530	Gear – Timing	11 741 1	77-7680	Screw – Connecting Rod	11 32 2
77-7530	Gear – Timing	21 741 1	77-7680	Screw – Connecting Rod	21 32 1
77-7530	Gear – Timing	39 741 1	77-7680	Screw – Connecting Rod	29 32 2
77-7550	Gasket – Engine Base	11 12 1	77-7680	Screw – Connecting Rod	39 32 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
77-7690	Piston Assy (Std.)	21 25 1	77-7820	Adapter Assy.	31 122 1
77-7690	Piston Assy (Std.)	39 25 1	77-7820	Adapter Assy.	18 122 1
77-7690	Piston Assy. (Std.)	11 25 1	77-7820	Adapter Assy	37 122 1
77-7690	Piston Assy. (Std.)	29 25 1	77-7860	Valve - Exhaust	11 33 1
77-7700	Ring Set (Std.)	11 26 1	77-7860	Valve - Exhaust	20 33 1
77-7700	Ring Set (Std.)	21 26 1	77-7860	Valve - Exhaust	29 33 1
77-7700	Ring Set (Std.)	29 26 1	77-7860	Valve - Exhaust	38 33 1
77-7700	Ring Set (Std.)	39 26 1	77-7870	Retainer - Spring	11 40 2
77-7710	Lock - Piston Pin	11 27 2	77-7870	Retainer - Spring	20 40 1
77-7710	Lock - Piston Pin	21 27 1	77-7870	Retainer - Spring	29 40 2
77-7710	Lock - Piston Pin	29 27 2	77-7870	Retainer - Spring	38 40 1
77-7710	Lock - Piston Pin	39 27 1	77-7880	Valve - Intake	11 34 1
77-7720	Pin - Piston (STD)	29 28 1	77-7880	Valve - Intake	20 34 1
77-7730	Head - Cylinder	11 5 1	77-7880	Valve - Intake	29 34 1
77-7730	Head - Cylinder	20 5 1	77-7880	Valve - Intake	38 34 1
77-7730	Head - Cylinder	29 5 1	77-7890	Seal Assy - Valve	20 868 1
77-7730	Head - Cylinder	38 5 1	77-7890	Seal Assy - Valve	27 868 1
77-7740	Gasket - Cylinder Head	11 7 1	77-7890	Seal Assy - Valve	38 868 1
77-7740	Gasket - Cylinder Head	20 7 1	77-7890	Seal Assy - Valve	46 868 1
77-7740	Gasket - Cylinder Head	27 7 1	77-7890	Seal Assy - Valve	19 868 1
77-7740	Gasket - Cylinder Head	29 7 1	77-7890	Seal Assy. - Valve	11 868 1
77-7740	Gasket - Cylinder Head	38 7 1	77-7890	Seal Assy. - Valve	29 868 1
77-7740	Gasket - Cylinder Head	46 7 1	77-7890	Seal Assy. - Valve	36 868 1
77-7740	Gasket - Cylinder Head	19 7 1	77-7900	Gasket - Valve	11 868A 1
77-7740	Gasket - Cylinder Head	36 7 1	77-7900	Gasket - Valve	20 868A 1
77-7760	Gasket - Exhaust	11 883 1	77-7900	Gasket - Valve	29 868A 1
77-7760	Gasket - Exhaust	17 883 1	77-7900	Gasket - Valve	38 868A 1
77-7760	Gasket - Exhaust	20 883 1	77-7900	Gasket - Valve	19 868A 1
77-7760	Gasket - Exhaust	27 883 1	77-7900	Gasket - Valve	36 868A 1
77-7760	Gasket - Exhaust	29 883 1	77-7900	Seal - Valve	27 868A 1
77-7760	Gasket - Exhaust	35 883 1	77-7900	Seal - Valve	46 868A 1
77-7760	Gasket - Exhaust	38 883 1	77-7910	Ball & Screw - Rocker Arm	20 192 1
77-7760	Gasket - Exhaust	46 883 1	77-7910	Ball & Screw - Rocker Arm	38 192 1
77-7760	Gasket - Exhaust	19 883 1	77-7910	Nut - Hex Special	11 192 2
77-7760	Gasket - Exhaust	36 883 1	77-7910	Nut - Hex Special	29 192 2
77-7770	Guide - Push Rod	11 1034 1	77-7920	Screw - Air Cleaner	13 969 1
77-7770	Guide - Push Rod	20 1034 1	77-7920	Screw - Air Cleaner	23 969 1
77-7770	Guide - Push Rod	29 1034 1	77-7920	Screw - Air Cleaner	31 969 1
77-7770	Guide - Push Rod	38 1034 1	77-7920	Screw - Air Cleaner	41 969 1
77-7780	Stud - Rocker Arm	11 166 2	77-7930	Screw - Air Cleaner	13 971 3
77-7780	Stud - Rocker Arm	20 166 1	77-7930	Screw - Air Cleaner	23 971 1
77-7780	Stud - Rocker Arm	29 166 2	77-7930	Screw - Air Cleaner	31 971 3
77-7780	Stud - Rocker Arm	38 166 1	77-7930	Screw - Air Cleaner	41 971 1
77-7790	Arm - Rocker	20 1029 1	77-7940	Base - Air Cleaner	23 966 1
77-7790	Arm - Rocker	38 1029 1	77-7940	Base - Air Cleaner	41 966 1
77-7790	Arm - VLV Rocker	11 1029 2	77-7940	Base Air Cleaner	13 966 1
77-7790	Arm - VLV Rocker	29 1029 2	77-7940	Base Air Cleaner	31 966 1
77-7800	Cap - Valve	11 238 2	77-7950	Element - Filter	13 535 1
77-7800	Cap - Valve	20 238 1	77-7950	Element - Filter	23 535 1
77-7800	Cap - Valve	29 238 2	77-7950	Element - Filter	31 535 1
77-7800	Cap - Valve	38 238 1	77-7950	Element - Filter	41 535 1
77-7810	Spring - Valve	11 35 2	77-7960	Gasket - Air Cleaner	13 163 1
77-7810	Spring - Valve	20 35 1	77-7960	Gasket - Air Cleaner	23 163 1
77-7810	Spring - Valve	29 35 2	77-7960	Gasket - Air Cleaner	27 163 1
77-7810	Spring - Valve	38 35 1	77-7960	Gasket - Air Cleaner	31 163 1
77-7820	Adapter Assy	20 122 1	77-7960	Gasket - Air Cleaner	41 163 1
77-7820	Adapter Assy	22 122 1	77-7960	Gasket - Air Cleaner	46 163 1
77-7820	Adapter Assy	27 122 1	77-7960	Gasket - Air Cleaner	19 163 1
77-7820	Adapter Assy	38 122 1	77-7960	Gasket - Air Cleaner	36 163 1
77-7820	Adapter Assy	40 122 1	77-7970	Screw - Hex Head	22 124 1
77-7820	Adapter Assy	46 122 1	77-7970	Screw - Hex Head	40 124 1
77-7820	Adapter Assy.	11 122 1	77-7970	Screw - Hex Head	13 124 2
77-7820	Adapter Assy.	13 122 1	77-7970	Screw - Hex Head	31 124 2
77-7820	Adapter Assy.	29 122 1	77-7980	Link - Governor	13 201 1

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77-7980	Link - Governor	23 201 1	77-8150	Washer - Seal	27 634 1
77-7980	Link - Governor	31 201 1	77-8150	Washer - Seal	31 634 2
77-7980	Link - Governor	41 201 1	77-8150	Washer - Seal	40 634 1
77-7990	Spring - Governor	13 209 1	77-8150	Washer - Seal	46 634 1
77-7990	Spring - Governor	23 209 1	77-8150	Washer - Seal	18 634 2
77-7990	Spring - Governor	31 209 1	77-8150	Washer - Seal	37 634 2
77-7990	Spring - Governor	41 209 1	77-8160	Shaft - Throttle	13 131 1
77-8000	Bracket - Carburetor	13 620 1	77-8160	Shaft - Throttle	22 131 1
77-8000	Bracket - Carburetor	23 620 1	77-8160	Shaft - Throttle	31 131 1
77-8000	Bracket - Carburetor	31 620 1	77-8160	Shaft - Throttle	40 131 1
77-8000	Bracket - Carburetor	41 620 1	77-8170	Float - Carburetor	13 133 1
77-8010	Switch - Stop	13 621 1	77-8170	Float - Carburetor	22 133 1
77-8010	Switch - Stop	31 621 1	77-8170	Float - Carburetor	31 133 1
77-8020	Screw Assy - Speed Adj.	13 98A 1	77-8170	Float - Carburetor	40 133 1
77-8020	Screw Assy - Speed Adj.	23 98A 1	77-8180	Pin - Float Hinge	13 104 1
77-8020	Screw Assy - Speed Adj.	31 98A 1	77-8180	Pin - Float Hinge	22 104 1
77-8020	Screw Assy - Speed Adj.	41 98A 1	77-8180	Pin - Float Hinge	27 104 1
77-8030	Tube - Breather	13 529 1	77-8180	Pin - Float Hinge	31 104 1
77-8030	Tube - Breather	23 529 1	77-8180	Pin - Float Hinge	40 104 1
77-8030	Tube - Breather	31 529 1	77-8180	Pin - Float Hinge	46 104 1
77-8040	Tube - Vent	13 1011 1	77-8180	Pin - Float Hinge	18 104 1
77-8040	Tube - Vent	22 1011 1	77-8180	Pin - Float Hinge	37 104 1
77-8040	Tube - Vent	31 1011 1	77-8190	Bowl Assy - Carburetor	22 975 1
77-8040	Tube - Vent	40 1011 1	77-8190	Bowl Assy - Carburetor	40 975 1
77-8050	Carburetor Assy	13 125 1	77-8190	Bowl Assy. - Carburetor	13 975 1
77-8050	Carburetor Assy.	31 125 1	77-8190	Bowl Assy. - Carburetor	31 975 1
77-8060	Jet - Needle Valve	13 117 1	77-8200	Gasket - Float Bowl	22 137 1
77-8060	Jet - Needle Valve	31 117 1	77-8200	Gasket - Float Bowl	27 137 1
77-8060	Jet - Needle Valve	18 117 1	77-8200	Gasket - Float Bowl	40 137 1
77-8060	Jet - Needle Valve	37 117 1	77-8200	Gasket - Float Bowl	46 137 1
77-8070	Valve - Choke	13 108 1	77-8200	Gasket - Fuel Bowl	13 137 1
77-8070	Valve - Choke	31 108 1	77-8200	Gasket - Fuel Bowl	31 137 1
77-8080	Valve - Throttle	13 130 1	77-8200	Gasket - Fuel Bowl	18 137 1
77-8080	Valve - Throttle	22 130 1	77-8200	Gasket - Fuel Bowl	37 137 1
77-8080	Valve - Throttle	31 130 1	77-8210	Gasket - Sealing	22 116 1
77-8080	Valve - Throttle	40 130 1	77-8210	Gasket - Sealing	40 116 1
77-8090	Screw - Round Head	13 95 1	77-8210	Washer - Fuel Bowl	13 116 1
77-8090	Screw - Round Head	31 95 1	77-8210	Washer - Fuel Bowl	31 116 1
77-8090	Screw - Valve Mtg	22 95 1	77-8210	Washer - Fuel Bowl	18 116 1
77-8090	Screw - Valve Mtg	40 95 1	77-8210	Washer - Fuel Bowl	37 116 1
77-8100	Plug - Welch	13 127 1	77-8210	Washer - Fuel Bowl	27 116 1
77-8100	Plug - Welch	31 127 1	77-8210	Washer - Fuel Bowl	46 116 1
77-8100	Plug - Welch	18 127 1	77-8220	Screw - Hex Head	13 955 1
77-8100	Plug - Welch	37 127 1	77-8220	Screw - Hex Head	22 955 1
77-8110	Valve - Float	13 134 1	77-8220	Screw - Hex Head	40 955 1
77-8110	Valve - Float	31 134 1	77-8220	Screw - Hex. Head	31 955 1
77-8110	Valve - Float	18 134 1	77-8230	Valve & Kit - Needle	13 118 1
77-8110	Valve - Float	37 134 1	77-8230	Valve & Kit - Needle	31 118 1
77-8110	Valve - Inlet	22 134 1	77-8230	Valve & Kit - Needle	18 118 1
77-8110	Valve - Inlet	27 134 1	77-8230	Valve & Kit - Needle	37 118 1
77-8110	Valve - Inlet	40 134 1	77-8240	Screw - Idle Adj.	13 98 1
77-8110	Valve - Inlet	46 134 1	77-8240	Screw - Idle Adj.	22 98 1
77-8120	Adapter - Jet	13 147 1	77-8240	Screw - Idle Adj.	31 98 1
77-8120	Adapter - Jet	31 147 1	77-8240	Screw - Idle Adj.	40 98 1
77-8130	Shaft - Choke	13 141 1	77-8250	Housing - Blower	33 304 1
77-8130	Shaft - Choke	22 141 1	77-8270	Housing - Blower	15 304 1
77-8130	Shaft - Choke	31 141 1	77-8270	Housing - Blower	25 304 1
77-8130	Shaft - Choke	40 141 1	77-8280	Clamp - Casing	15 265 1
77-8140	Spring - Choke	23 618 1	77-8280	Clamp - Casing	33 265 1
77-8140	Spring - Choke	41 618 1	77-8280	Housing - Blower	43 304 1
77-8140	Spring - Return	13 618 1	77-8290	Screw - Hex Head	15 267 1
77-8140	Spring - Return	31 618 1	77-8290	Screw - Hex Head	33 267 1
77-8150	Washer - Seal	13 634 2	77-8300	Screw - Hex Head	24 65 1
77-8150	Washer - Seal	22 634 1	77-8300	Screw - Hex Head	42 65 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
77-8300	Screw - Hex. Head	15 65 4	77-8490	Screw - Rewind Starter	24 461 1
77-8300	Screw - Hex. Head	33 65 4	77-8490	Screw - Rewind Starter	33 461 1
77-8310	Screw - Hex Head	21 305 1	77-8490	Screw - Rewind Starter	42 461 1
77-8310	Screw - Hex Head	25 305 1	77-8500	Spring - Retainer	15 515 1
77-8310	Screw - Hex Head	39 305 1	77-8500	Spring - Retainer	33 515 1
77-8310	Screw - Hex Head	43 305 1	77-8500	Spring - Torsion	24 515 1
77-8310	Screw - Hex. Head	11 305 2	77-8500	Spring - Torsion	42 515 1
77-8310	Screw - Hex. Head	15 305 4	77-8510	Grip - Starter Rope	15 60 1
77-8310	Screw - Hex. Head	29 305 2	77-8510	Grip - Starter Rope	33 60 1
77-8310	Screw - Hex. Head	33 305 4	77-8510	Handle - Rewind Starter	24 60 1
77-8320	Flywheel - Magneto	33 23 1	77-8510	Handle - Rewind Starter	42 60 1
77-8320	Flywheel - Magneto	43 23 1	77-8530	Pawl & Spring Ratchet	15 459 2
77-8330	Flywheel - Magneto	15 23 1	77-8530	Pawl & spring - Ratchet	33 459 2
77-8330	Flywheel - Magneto	25 23 1	77-8530	Pawl - Starter	24 459 1
77-8340	Key - Flywheel	15 24 1	77-8530	Pawl - Starter	42 459 1
77-8340	Key - Flywheel	25 24 1	77-8550	Dowel - Sleeve	15 718A 1
77-8340	Key - Flywheel	33 24 1	77-8550	Dowel - Sleeve	33 718A 1
77-8340	Key - Flywheel	43 24 1	77-8550	Pin - Spring	24 718A 1
77-8350	Cup - Starter	15 455 1	77-8550	Pin - Spring	42 718A 1
77-8350	Cup - Starter	25 455 1	77-8560	Pulley - Rewind Starter	33 56 1
77-8350	Cup - Starter	33 455 1	77-8570	Cover - Pulley	15 1016 1
77-8350	Cup - Starter	43 455 1	77-8570	Cover - Pulley	33 1016 1
77-8360	Nut - Flywheel	25 332 1	77-8570	Cover - Spring	24 1016 1
77-8360	Nut - Flywheel	43 332 1	77-8570	Cover - Spring	42 1016 1
77-8360	Nut - Hex	15 332 1	77-8580	Tank Assy - Fuel	17 180 1
77-8360	Nut - Hexagon	33 332 1	77-8580	Tank Assy - Fuel	26 180 1
77-8370	Alternator	33 474 1	77-8580	Tank Assy - Fuel	44 180 1
77-8370	Stator Assembly	43 474 1	77-8580	Tank Assy. - Fuel	35 180 1
77-8380	Screw - Sem	33 482 2	77-8590	Seal - Foam	17 1041 1
77-8390	Stud - Mtg.	33 305A 2	77-8590	Seal - Foam	26 1041 1
77-8390	Stud - Stator Mounting	43 305A 1	77-8590	Seal - Foam	27 1041 1
77-8400	Wire - Ground	15 356 1	77-8590	Seal - Foam	35 1041 1
77-8400	Wire - Ground	25 356 1	77-8590	Seal - Foam	44 1041 1
77-8400	Wire - Ground	33 356 1	77-8590	Seal - Foam	46 1041 1
77-8400	Wire - Ground	43 356 1	77-8590	Seal - Foam	19 1041 1
77-8420	Armature - Magneto	15 333 1	77-8590	Seal - Foam	36 1041 1
77-8420	Armature - Magneto	25 333 1	77-8600	Screw - Tank Mtg.	17 674 2
77-8420	Armature - Magneto	33 333 1	77-8600	Screw - Tank Mtg.	26 674 1
77-8420	Armature - Magneto	43 333 1	77-8600	Screw - Tank Mtg.	35 674 2
77-8420	Screw - Hex Washer Hd.	45 22A 1	77-8600	Screw - Tank Mtg.	44 674 1
77-8430	Terminal - Spark Plug	15 851 1	77-8620	Hose - Fuel	17 187 1
77-8430	Terminal - Spark Plug	25 851 1	77-8620	Hose - Fuel	35 187 1
77-8430	Terminal - Spark Plug	33 851 1	77-8630	Clamp - CL Pipe	35 601 2
77-8430	Terminal - Spark Plug	43 851 1	77-8640	Muffler - Exhaust	17 300 1
77-8440	Screw - Sem	15 334 2	77-8640	Muffler - Exhaust	26 300 1
77-8440	Screw - Sem	33 334 2	77-8640	Muffler - Exhaust	35 300 1
77-8450	Starter Assy - Rewind	15 608 1	77-8640	Muffler - Exhaust	44 300 1
77-8450	Starter Assy - Rewind	24 608 1	77-8650	Screw - Self Tap	35 346 2
77-8450	Starter Assy - Rewind	42 608 1	77-8660	Guard - Muffler	35 832 1
77-8450	Starter Assy. - Rewind	33 608 1	77-8670	Motor - Starter	45 309 1
77-8460	Housing - Rewind Starter	15 55 1	77-8670	Motor Starter	35 309 1
77-8460	Housing - Rewind Starter	24 55 1	77-8670	Armature Assembly	45 544 1
77-8460	Housing - Rewind Starter	33 55 1	77-8670	Armature Starter	35 544 1
77-8460	Housing - Rewind Starter	42 55 1	77-8680	Bracket Assembly	45 801 1
77-8470	Retainer - Rewind Starter	24 456 1	77-8680	Cap - Drive	35 801 1
77-8470	Retainer - Rewind Starter	42 456 1	77-8690	Cap - End	35 802 1
77-8470	Retainer - Spring	15 456 1	77-8690	Head Assembly	45 802 1
77-8470	Retainer - Spring	33 456 1	77-8700	Housing - Starter	35 803 1
77-8470	Washer Set	45 548 1	77-8700	Shell & Magnet Assembly	45 803 1
77-8480	Rope - Starter	24 58 1	77-8710	Bolt - Thru	35 310 2
77-8480	Rope - Starter	42 58 1	77-8710	Screw - Hex Washer Hd.	45 310 1
77-8480	Spool - Starter Rope	33 58 1	77-8720	Screw - Carb. Mtg.	35 22A 2
77-8480	Spool - Starter Rope	15 58 1	77-8740	Washer - Starter	35 548 1
77-8490	Screw - Rewind Starter	15 461 1	77-8760	Gear - Pinion	35 783 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
77-8760	Gear - Pinion	45 783 1	77-9250	Gasket - Valve Cover	11 9 1
77-8770	Clutch - Starter	35 513 1	77-9270	Pulley - Rewind Starter	15 56 1
77-8770	Clutch Assembly	45 513 1	77-9270	Pulley - Rewind Starter	24 56 1
77-8780	Cover - Gear	35 784 1	77-9270	Pulley - Rewind Starter	42 56 1
77-8780	Cover - Gear	45 784 1	77-9280	Short Block	11 1 1
77-8790	Gasket - Cover	45 785 1	77-9280	Short Block	29 1 1
77-8790	Gasket - Gear Cover	35 785 1	77-9280	Short Block	3 *
77-8800	Screw - Hex Washer Hd.	45 74 1	77-9290	Guard - Muffler	26 832 1
77-8800	Screw - Sem	35 74 3	77-9290	Guard - Muffler	44 832 1
77-8810	Gear - Starter	35 782 1	77-9290	Guard - Muffler	17 832 1
77-8810	Pinion - Starter	45 782 1	77-9300	Breather - Valve	11 8 1
77-8820	Drive - Starter	35 937 1	77-9300	Breather Assy	20 8 1
77-8820	Spline - Starter	45 937 1	77-9300	Breather Assy	38 8 1
77-8830	Retainer - Lock	35 938 1	77-9310	Screw - Set	11 192A 2
77-8830	Retainer - Lock	45 938 1	77-9310	Screw - Set	20 192A 1
77-8870	Screw - Hex Head	43 258 1	77-9310	Screw - Set	38 192A 1
77-8900	Gasket Set	18 358 1	77-9320	Cover - Valve	11 1023 1
77-8900	Gasket Set	27 358 1	77-9320	Cover - Valve	20 1023 1
77-8900	Gasket Set	36 358 1	77-9320	Cover - Valve	38 1023 1
77-8900	Gasket Set	46 358 1	77-9340	Pin - Piston (Std)	11 28 1
77-8910	Drive - Starter	35 510 1	77-9340	Pin Assembly - Piston	21 28 1
77-8910	Drive Kit	45 510 1	77-9340	Pin Assembly - Piston	39 28 1
77-8920	Overhaul Kit - Carburetor	18 121 1	77-9360	Screw - Cap	26 188 1
77-8920	Overhaul Kit - Carburetor	37 121 1	77-9360	Screw - Cap	44 188 1
77-8930	Carburetor Gasket Set	27 977 1	77-9360	Screw - Hex Head	21 188 1
77-8930	Carburetor Gasket Set	46 977 1	77-9360	Screw - Hex Head	23 188 1
77-8930	Gasket Set - Carburetor	18 977 1	77-9360	Screw - Hex Head	25 188 1
77-8930	Gasket Set - Carburetor	37 977 1	77-9360	Screw - Hex Head	39 188 1
77-8981	Engine - GTS 150	3 1 1	77-9360	Screw - Hex Head	41 188 1
77-8991	Engine - GTS 150	3 1 1	77-9360	Screw - Hex Head	43 188 1
77-9000	High Altitude Jet	36 1 1	77-9360	Screw - Hex. Head	13 188 2
77-9000	High Altitude Jet	18 1 1	77-9360	Screw - Hex. Head	17 188 7
77-9030	Spacer - Fuel Tank	26 670 1	77-9360	Screw - Sem	11 188 5
77-9030	Spacer - Fuel Tank	44 670 1	77-9410	Tube - Breather	11 11 1
77-9030	Spacer - Fuel Tank	17 670 1	77-9410	Tube - Breather	20 11 1
77-9030	Spacer - Fuel Tank	35 670 1	77-9410	Tube - Breather	38 11 1
77-9040	Arrester - Spark	17 994 1	77-9420	Screw - Armature Mtg.	25 334 1
77-9040	Arrester - Spark	35 994 1	77-9420	Screw - Armature Mtg.	43 334 1
77-9050	Screw - Arrester Mtg.	17 346A 1	77-9430	Screw - Hex Head	26 346 1
77-9050	Screw - Arrester Mtg.	35 346A 1	77-9430	Screw - Hex Head	44 346 1
77-9060	Seal - Oil	11 3 1	77-9430	Screw - Self Tapping	17 346 2
77-9060	Seal - Oil	20 3 1	77-9470	Tube - Breather	41 529 1
77-9060	Seal - Oil	27 3 1	77-9580	Overhaul Kit - Carburetor	27 121 1
77-9060	Seal - Oil	29 3 1	77-9580	Overhaul Kit - Carburetor	46 121 1
77-9060	Seal - Oil	38 3 1	77-9600	Valve - Choke	22 108 1
77-9060	Seal - Oil	46 3 1	77-9600	Valve - Choke	40 108 1
77-9060	Seal - Oil	19 3 1	77-9610	Jet - Main	22 117 1
77-9060	Seal - Oil	36 3 1	77-9610	Jet - Main	27 117 1
77-9070	Screw - Engine Base	11 22 7	77-9610	Jet - Main	40 117 1
77-9070	Screw - Engine Base	21 22 1	77-9610	Jet - Main	46 117 1
77-9070	Screw - Engine Base	29 22 1	77-9620	Valve & Spring - Needle	22 118 1
77-9070	Screw - Engine Base	39 22 1	77-9620	Valve & Spring - Needle	27 118 1
77-9090	Screw - Set	29 192A 1	77-9620	Valve & Spring - Needle	40 118 1
77-9200	Screw - Hex Hd.	11 10A 1	77-9620	Valve & Spring - Needle	46 118 1
77-9200	Screw - Hex Head	20 10A 1	77-9630	Carburetor Assy	22 125 1
77-9200	Screw - Hex Head	38 10A 1	77-9630	Carburetor Assy	40 125 1
77-9240	Plug - Oil Drain	11 15 1	77-9640	Jet - Pilot	22 147 1
77-9240	Plug - Pipe	21 15 1	77-9640	Jet - Pilot	40 147 1
77-9240	Plug - Pipe	39 15 1	77-9650	Cap - Limiter	22 1091 1
77-9250	Gasket - Breather	20 9 1	77-9650	Cap - Limiter	27 1091 1
77-9250	Gasket - Breather	27 9 1	77-9650	Cap - Limiter	40 1091 1
77-9250	Gasket - Breather	38 9 1	77-9650	Cap - Limiter	46 1091 1
77-9250	Gasket - Breather	46 9 1	78-4100	Hose - Fuel	26 187 1
77-9250	Gasket - Valve Cover	19 9 1	78-4100	Hose - Fuel	44 187 1

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Part No.	Description	Pg. Ref. No. No. Qty.	Part No.	Description	Pg. Ref. No. No. Qty.
78-4690	Clamp - CL Pipe	17 601 2	94-1651	Plug - Welch	40 127 1
78-4690	Clamp - Hose	26 601 1	94-1651	Plug - Welch	46 127 1
78-4690	Clamp - Hose	44 601 1	218-461	Nut - Hex	9 48 1
80-2770	Cup - Anti Scalp	4 13 1	2210-249	Clamp - Casing (P/W Eng.)	3 6 1
80-4790	Harness - Wire	9 52 1	237-153	O-Ring	5 7 2
82-5531	Handle - Lower	8 1 1	237-153	O-Ring	7 60 2
82-5531	Handle - Lower	9 1 1	2412-50	Clip - Tubing Convolved	8 44 4
82-5680	Bracket - Adjustment Trac.	1 27 1	2412-50	Clip - Tubing Convolved	9 44 4
82-8450	Decal - Danger Deck	1 5 1	2412-83	R-Clamp	2 39 1
82-8780	Cable - Retainer	6 15 1	2412-87	Clamp - Cable	2 37 1
82-8780	Retainer - Cable	5 4 1	302-56	Fitting - Grease	6 20 2
82-9910	Cover - Belt	1 30 1	322-16	Screw - Hex Hd. Cap	3 24 1
83-6600	Cable - Clutch	8 41 1	3254-5	Washer - Lock	9 47 1
83-6600	Cable - Clutch	9 41 1	3256-23	Washer - Flat	3 10 2
84-8361	Latch - Handle LH	8 2 1	3256-24	Washer - Flat	6 12 1
84-8361	Latch - Handle LH	9 2 1	3257-17	Key - Woodruff	4 1 1
84-8401	Latch - Handle RH	8 3 1	3272-10	Pin - Cotter	5 3 1
84-8401	Latch - Handle RH	9 3 1	3272-10	Pin - Cotter	6 14 1
91-2253	Cover - Wheel	5 21 1	3290-378	Tie - Cable	8 45 3
92-1720	Kicker - RH Front	1 7 1	3290-378	Tie - Cable	9 45 3
92-1730	Kicker - LH Front	1 8 1	3296-5	Locknut	6 11 1
92-1743	Charger - Battery	9 1	3296-6	Locknut	6 34 2
92-1750	Plate - Kicker Rear	1 6 1	3296-6	Nut - Lock	1 18 6
92-2260	Screw - Handle	8 10 3	3296-33	Nut - Lock	4 10 1
92-2260	Screw - Handle	9 10 3	3296-47	Nut - Lock	3 25 2
92-2261	Screw - Handle	8 38 1	3296-72	Nut - Lock	8 6 3
92-2261	Screw - Handle	9 38 1	3296-72	Nut - Lock	9 6 3
92-2267	Screw - Handle	8 37 1	3296-74	Nut - Flange	8 35 2
92-2267	Screw - Handle	9 37 1	3296-74	Nut - Flange	9 35 2
92-2277	Handle - Upper	8 8 1	3296-75	Nut - Lock	8 34 1
92-2277	Handle - Upper	9 8 1	3296-75	Nut - Lock	9 34 1
92-2279	Decal - HOC	1 17 4	32104-96	Screw - Hex Socket Hd.	3 15 1
92-2289	Plate - Logo Toro	3 3 1	32104-107	Screw - Hex Hd.	3 9 1
92-3146	Decal - Panel Front	9 15 1	32121-9	Pin - Roll	8 27 1
92-4086	Grip - Foam	8 9 1	32121-9	Pin - Roll	9 27 1
92-4086	Grip - Foam	9 9 1	32121-120	Pin - Coil	7 52 1
92-9665	Screw - Phillips Hd.	8 17 4	32144-70	Screw - Tapping	1 28 5
92-9665	Screw - Phillips Hd.	9 17 4	32144-70	Screw - Thread Forming	6 16 1
93-0248	Decal - Warning	2 34 1	32144-85	Screw	6 35 2
93-3696	Decal - Deck	1 2 1	32144-85	Screw - Hex Hd.	1 22 4
93-3697	Decal - Panel Front	8 15 1	32144-102	Screw	3 7 3
93-3699	Decal - Engine	3 4 1	32144-111	Screw - PPH	1 9 6
93-4106	Blade - 21	4 11 1	32144-112	Screw - Thr'd Form	2 40 1
93-4126	Spacer - Blade	4 9 1			
93-4181	Stiffener - Blade	4 12 1			
93-7167	Decal - Instruction	8 13 1			
93-7168	Decal - Instruction	9 13 1			
93-8470	Screw - Clamp (P/W Eng.)	3 5 1			
94-1605	Engine - GTS 150	3 1 1			
94-1606	Engine - GTS 150	3 1 1			
94-1651	Plug - Welch	22 127 1			
94-1651	Plug - Welch	27 127 1			

OPTIONAL EQUIPMENT

Recycler Side Discharge Kit Model No. 59197
 Recycler Bagging Kit Model No. 59195
 Dethatcher Kit Model No. 59131
 Mow & Feed Model No. 52070

MAINTENANCE RECORD

[illegible]