FORM NO. 3319–279 REV A

TORO®

Proline

16 HP B/S Mid–Size Hydro Traction Unit Intl.

Model No. 30188 – 790001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

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Note:

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HFW	hex flange washer
HH	hex head
HHF	hex head flange
HHST	hex head self tapping
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
INC	incorporated
LH	left hand
PH	pan head
PPH	Phillips pan head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
STD	standard
TAP	self tapping
TH	truss head
TTH	Torx truss head
WH	wing head

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

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Service Assemblies

Parts within service assemblies have reference numbers in the form *X:Y. X* is the reference number of the service assembly and *Y* is a sequential number unique to each part within the service assembly.

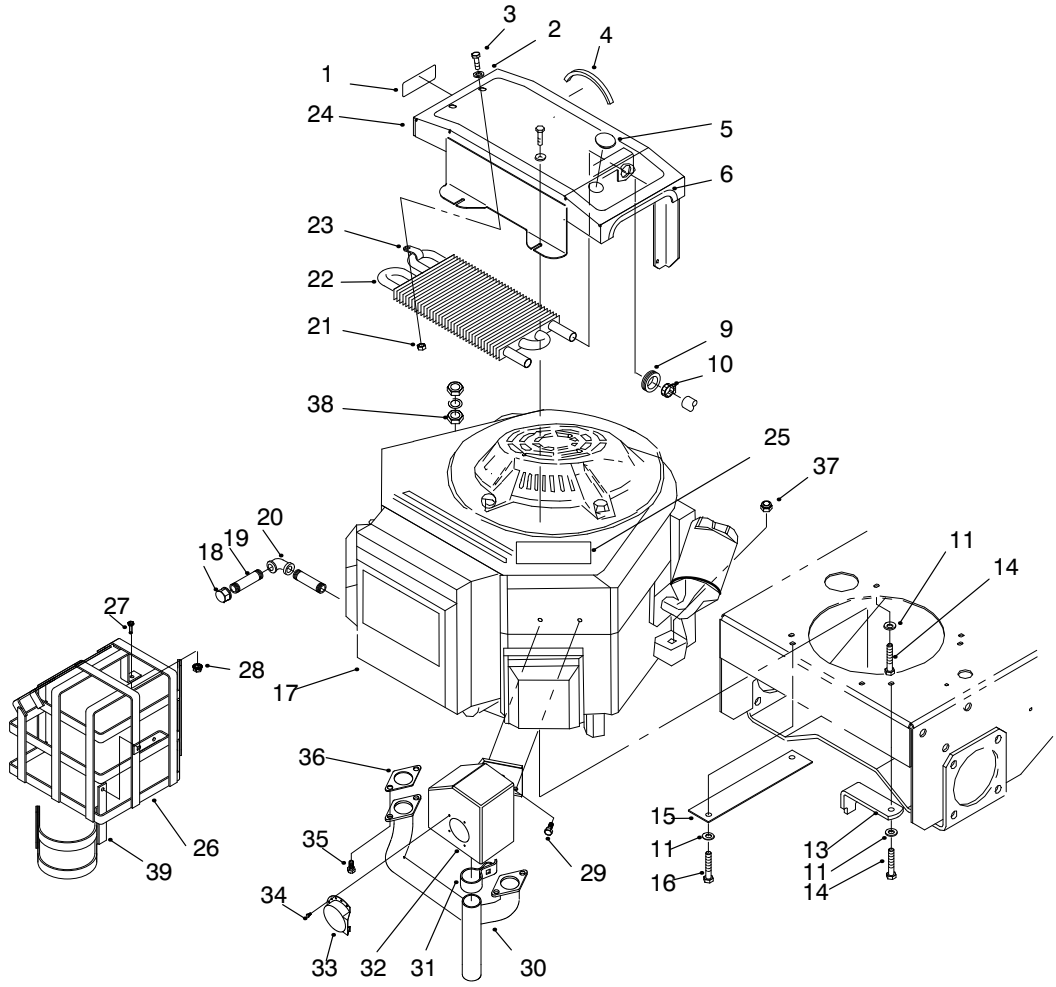
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form *X (Y). X* is the reference number. *Y* in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

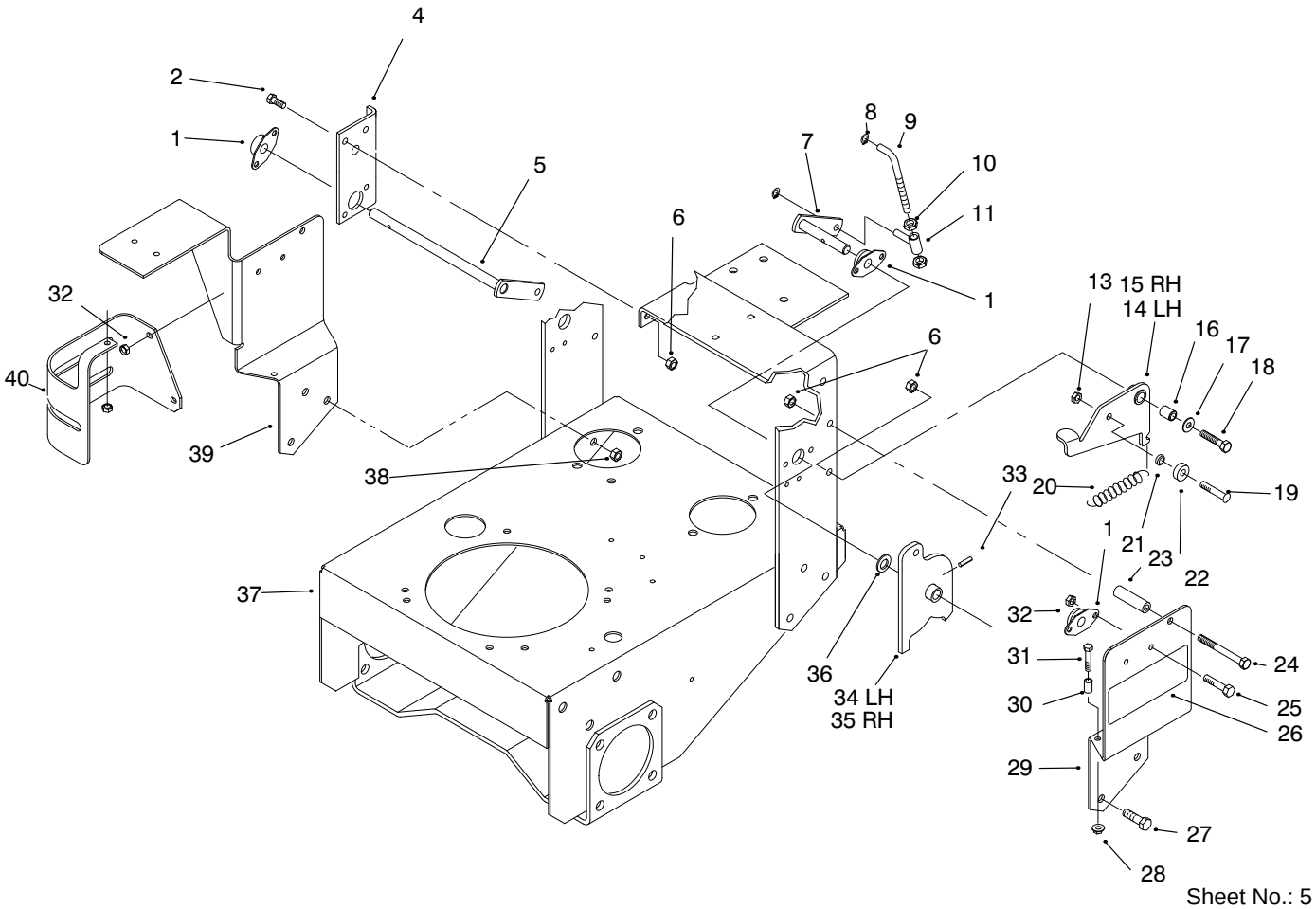


Sheet No.: 3

16 HP Engine & Oil Cooler

Ref. No.	Part No.	Qty.	Description
1	93–9353	1	Decal–Fuel Shut–Off
2	3256–1	6	Washer–Flat
3	321–39	6	Screw–HH
4	95–1547	1	Trim–Edge
5	2410–71	2	Cap–Plug
6	29–0642	1	Jiffy–Trim
9	240–9	2	Grommet
10	2412–136	2	Clamp
11	3256–23	A/R	Washer–Flat
13	51–4540–03	1	Retainer–Clutch
14	322–9	4	Screw–HH
15	94–5847–01	1	Guard–Engine Pulley
16	322–17	A/R	Screw–HH
17	94–4194	1	Engine–16hp B&s
18	288–4	1	Cap–Pipe
19	289–46	2	Nipple–Pipe
20	94–9650	1	Elbow
21	3296–42	2	Nut–Lock
22	82–4220	1	Cooler–Oil
23	2412–134	2	Clamp R
24	94–9655–03	1	Mount–Cooler
25	93–8069	1	Decal–Hot Surface
27	3290–321	4	Screw–HH
28	32149–7	4	Nut–Keps
29	94–5846	2	Screw (Supplied w/Eng)

Ref. No.	Part No.	Qty.	Description
30	94–5842	1	Exhaust Manifold
31	94–5843	1	Clamp–Muffler
32	94–5841	1	Muffler (Supplied w/Eng)
33	94–6782	1	Deflector (Supp w/Eng)
34	94–6783	4	Screw(Supplied w/Eng)
35	94–5845	4	Screw (Supplied w/Eng)
36	94–5844	2	Gasket (Supplied w/Eng)
37	3296–29	3	Nut–Lock
38	3217–6	2	Nut–Hex
40	3255–8	1	Washer–Lock
41	3256–14	1	Washer–Flat

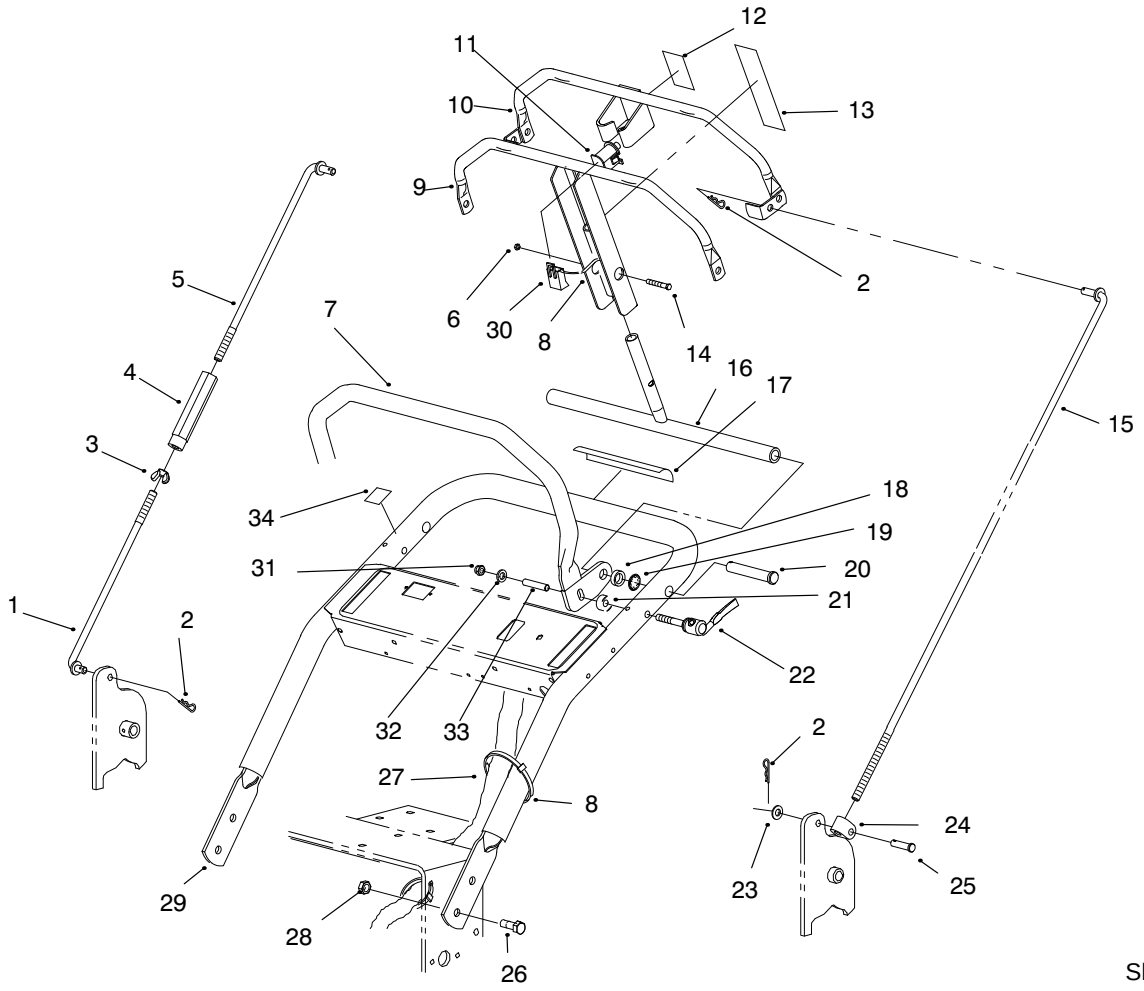


Sheet No.: 5

Pivot & Linkage

Ref. No.	Part No.	Qty.	Description
1	82–4130	4	Bearing
2	322–5	2	Screw–HH
3	3290–378	A/R	Tie–Cable
4	82–4210–01	1	Bracket–Bushing
5	94–9059	1	Lever–Pivot RH
6	3296–29	6	Nut–Lock
7	94–9057	1	Lever–Pivot LH
8	32151–3	4	Ring–Retaining
9	94–9093	2	Rod–Link
10	3218–2	4	Nut–Hex Jam
11	94–9062	2	Sleeve
13	3296–47	2	Nut–Lock
14	82–4330–01	1	Arm–Detent LH
15	82–4340–01	1	Arm–Detent RH
16	82–4370	2	Bushing–Arm
17	3256–23	2	Washer–Flat
18	322–7	2	Screw–HH
19	3274–32	2	Screw–HH
20	82–4160	2	Spring–Detent
21	82–4240	2	Spacer–Bearing
22	251–259	2	Bearing–Ball
23	82–3920	2	Stop–Reverse
24	322–14	2	Screw–HH
25	321–3	11	Screw–HH
26	82–4600	2	Decal–Hydro
27	323–6	6	Screw–HH

Ref. No.	Part No.	Qty.	Description
28	32128–10	2	Nut–Lock HHF
29	95–1530–01	1	Bracket–Pivot
30	95–1516	2	Spacer–Tubular
31	321–8	2	Screw–HH
32	3296–42	11	Nut–Lock
33	32121–4	2	Pin–Roll
34	94–9054–01	1	Arm–Pivot LH
35	94–9061–01	1	Arm–Pivot RH
36	257–5	2	Washer–Thrust
37	94–9096–01	1	Frame ASM
38	3296–39	6	Nut–Lock
39	95–1522–01	1	Bracket–Pivot
40	95–5868–01	1	Guard–Filter

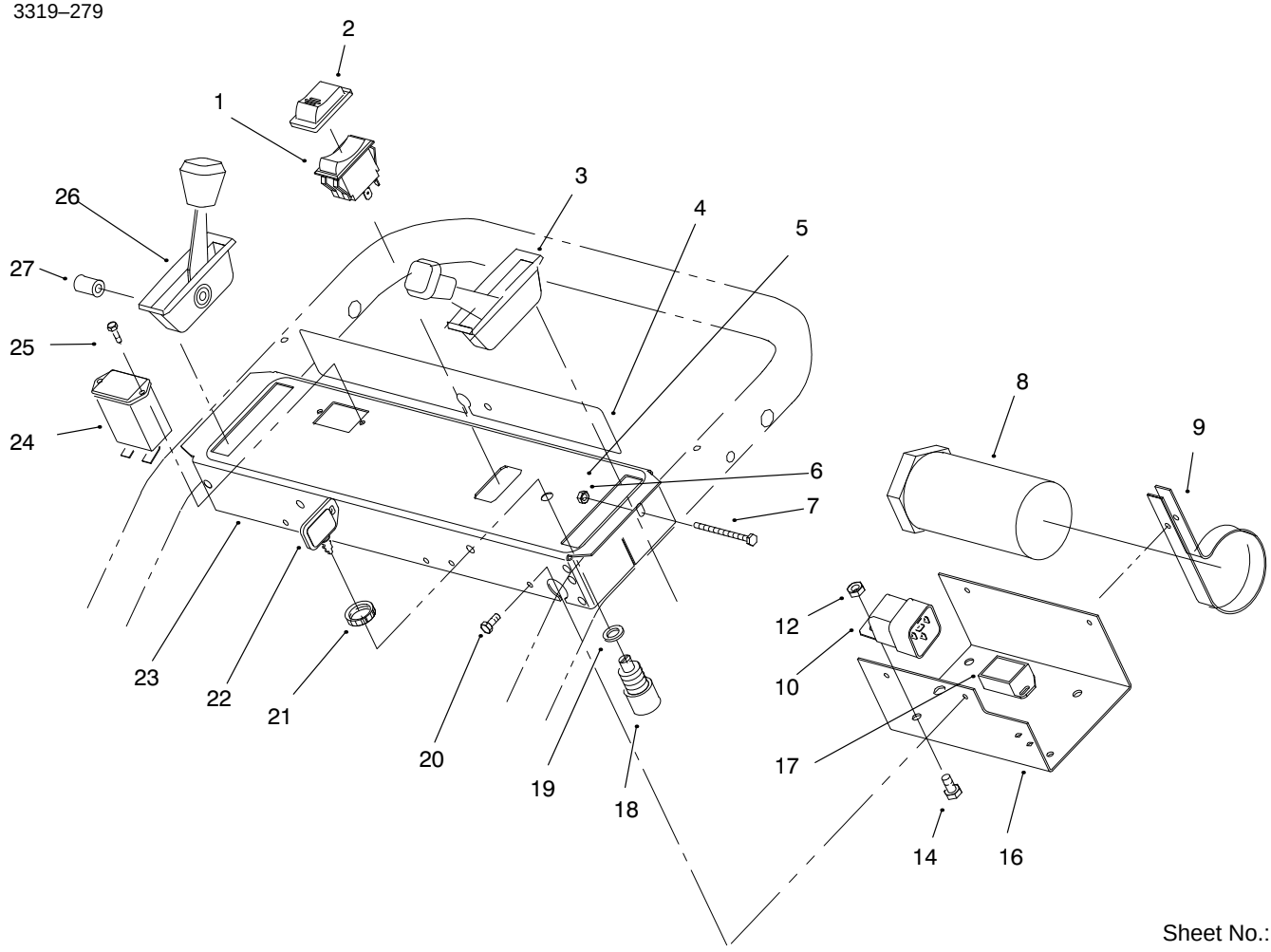


Sheet No.: 6

Handle Assembly

Ref. No.	Part No.	Qty.	Description
1	95–1506	1	Rod–Control
2	3290–307	4	Pin–Cotter
3	32103–3	1	Nut–Wing
4	95–1504	1	Turnbuckle
5	95–1505	1	Rod–Control
6	3296–2	1	Nut Lock
7	95–1536	1	Handle ASM
8	3290–378	3	Tie–Cable
9	95–1507–03	1	Control Bar ASM
10	95–1510–03	1	Bail ASM
11	82–2190	1	Switch–Bail
12	95–5850	1	Decal–Traction
13	95–1524	1	Decal–T Bar
14	32105–12	1	Screw–Hex
15	94–9095	1	Rod–Control
16	95–1513–03	1	Pivot ASM
17	95–5852	1	Decal–Slope
18	95–5855–03	2	Spacer–Pivot
19	32151–80	2	Ring–Push On
20	283–55	2	Pin–Clevis
21	82–3840	2	Spacer–Latch
22	95–5853	2	Lock ASM–Quick Release
23	3256–23	1	Washer–Flat
24	74–0521	1	Rod–Fitting
25	283–6	1	Pin–Clevis

Ref. No.	Part No.	Qty.	Description
26	3234–11	4	Screw–HHF
27	95–2806	1	Harness–Wire
28	32128–21	4	Nut–Hfh
29	95–5856–03	1	Handle–Upper
30	218–595	1	Connector–Body
31	33023–00	2	Nut–Lock Ni
32	3290–436	2	Washer–Belleville
33	95–5854	2	Sleeve
34	95–5862	1	Decal–Speed Lock

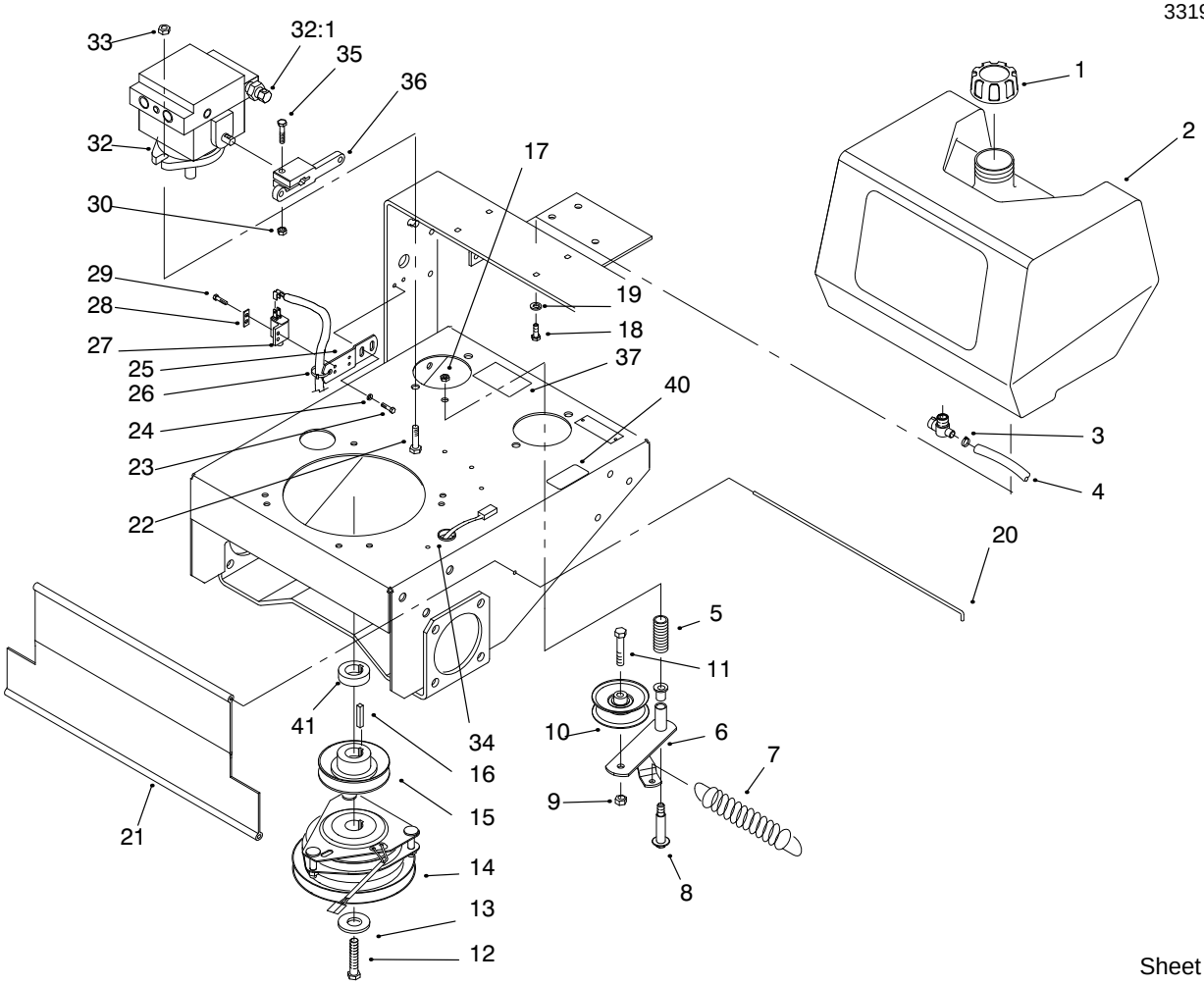


Sheet No.: 7

Control Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	82–2300	1	Switch
2	82–3820	1	Boot–Switch
3	94–5838	1	Control–Throttle
4	95–1545	1	Decal–Warning
5	95–5860	1	Decal–Control Panel
6	3296–2	4	Nut Lock
7	32105–14	4	Screw–HH
8	74–0720	1	Tube–Manual
9	2412–120	2	Clamp–R
10	63–7590	1	Relay
12	3296–42	1	Nut–Lock
14	321–3	1	Screw–HH
16	93–1187–03	1	Panel–Bottom
17	94–9666	1	Module
18	29–5560	1	Switch–On/Off
19	3254–5	1	Washer–Lock
20	32104–76	4	Screw–Self TAP
21	218–461	1	Nut–HH (F/W Sw)
22	63–8360	2	Key–Ignition
23	82–2180–03	1	Panel–Control
26	94–5839	1	Control–Choke
27	54–2970	2	Spacer

Ref. No.	Part No.	Qty.	Description

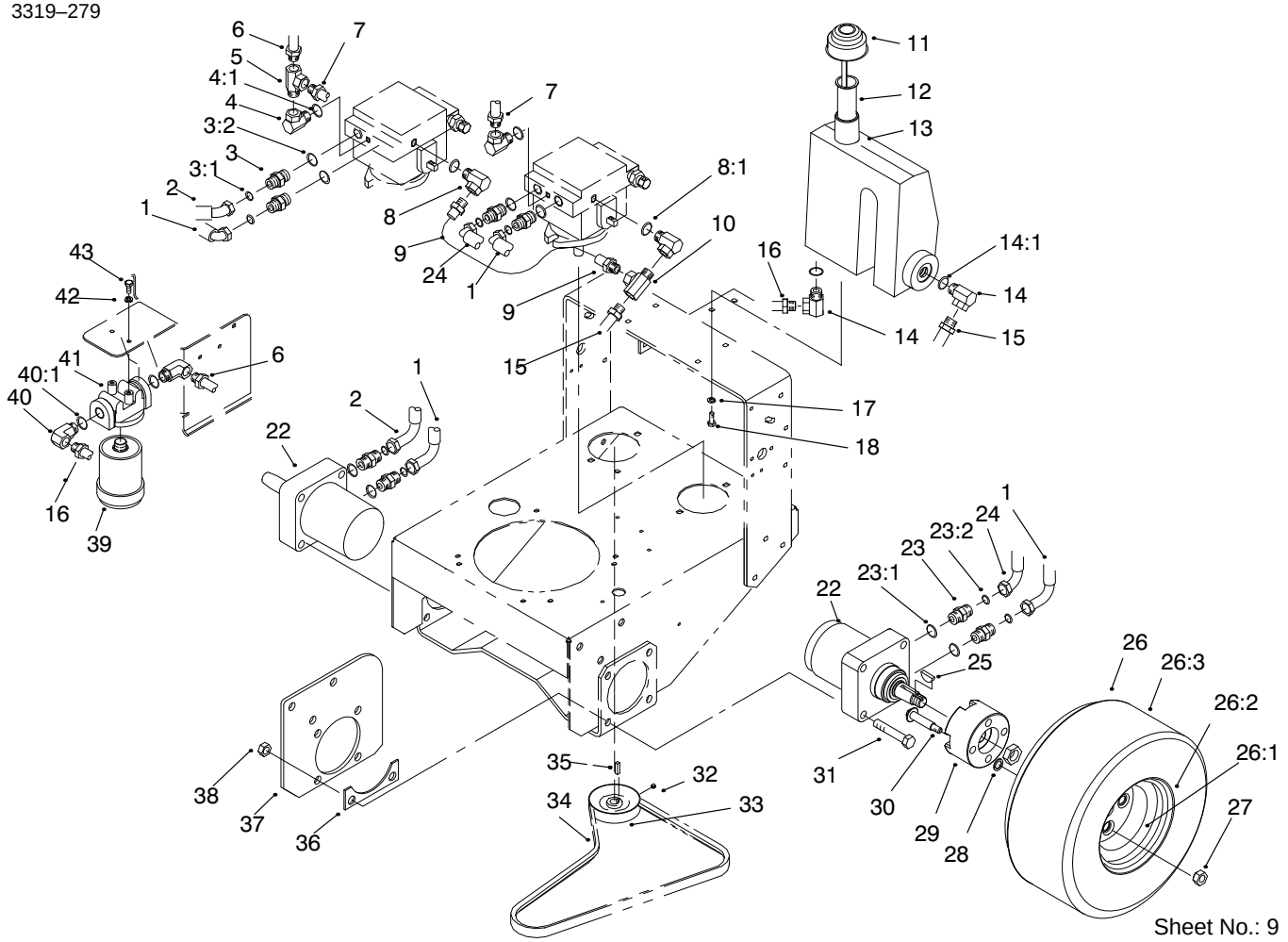


Sheet No.: 8

Fuel Tank, Hydro Pump & PTO

Ref. No.	Part No.	Qty.	Description
1	55–3570	1	Cap–Fuel
2	95–2802	1	Tank–Fuel
3	2412–98	2	Clamp–Hose
4	47–2980	1	Fuel Line (.25id X 6.25)
5	88–1880	1	Spring–Compression
6	86–4770–03	1	Lever–Idler
7	68–2190	1	Spring–Extension
8	27–6230	1	Bolt–Wheel
9	3296–39	1	Nut–Lock
10	62–4540–03	1	Pulley–Idler
11	323–9	1	Screw–HH
12	3212–9	1	Screw–HH
13	112843	1	Washer–PTO
14	54–3200	1	Clutch ASM
15	44–5940	1	Pulley–Drive
16	608006	1	Key
17	3296–6	1	Nut–Lock
18	322–3	4	Screw–HH
19	3253–4	4	Washer–Lock
22	324–5	4	Screw–HH
30	3296–29	2	Nut–Lock
32	95–1538	2	Hydraulic Pump ASM
32:1	95–1539	2	Valve ASM
33	32128–42	4	Nut–Hex Flange
34	237–124	1	Grommet
35	322–7	2	Screw–HH

Ref. No.	Part No.	Qty.	Description
36	82–3790	2	Arm–Control
37	95–5851	1	Decal–Valve
42	94–0317	1	Decal–Ce

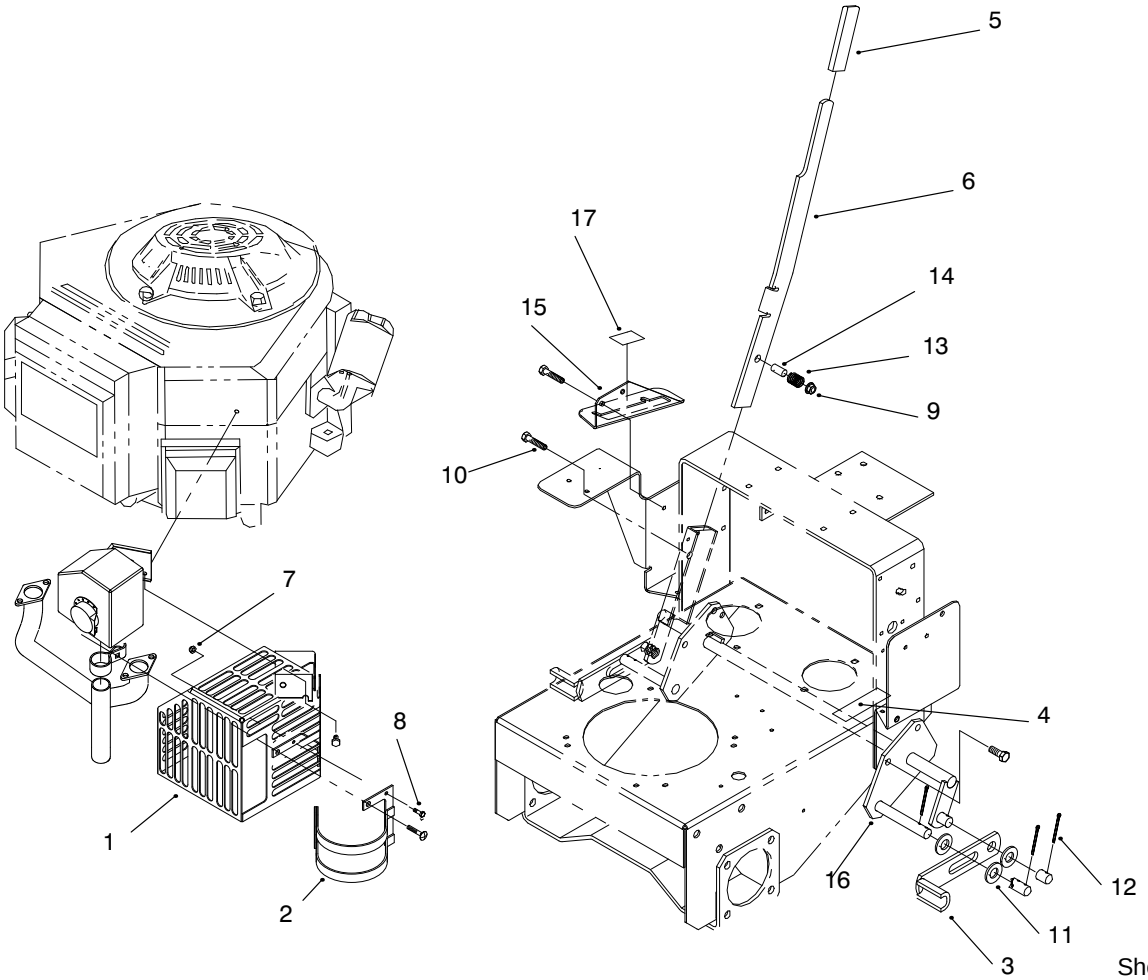


Sheet No.: 9

Hydraulic & Drive System

Ref. No.	Part No.	Qty.	Description
1	82–4550	2	ASM–Hose
2	82–4540	1	ASM–Hose
3	340–4	4	Fitting–Hydraulic
3:1	237–30	4	O–Ring
3:2	237–79	4	O–Ring
4	354–116	2	Fitting–Hydraulic
5	2815–16	1	Fitting–Hydraulic
6	82–4180	1	ASM–Hose
7	82–4170	1	ASM–Hose
8	354–115	2	Fitting–Hydraulic
8:1	237–42	A/R	O–Ring
9	82–4201	1	ASM–Hose
10	2815–15	1	Fitting–Hydraulic
11	76–0200	1	Oil Cap ASM
12	29–0590	1	Screen–Filler
13	95–1532	1	Reservoir–Oil
14	354–118	2	Fitting–Hydraulic
15	82–4190	2	ASM–Hose
16	82–4200	1	ASM–Hose
17	3253–4	3	Washer–Lock
18	322–3	3	Screw–HH
22	82–8230	2	Motor–Wheel
23	340–6	4	Fitting–Hydraulic
23:1	237–80	4	O–Ring
23:2	237–30	4	O–Ring
24	82–4560	1	ASM–Hose

Ref. No.	Part No.	Qty.	Description
25	3257–8	2	Key–Woodruff
26	82–3810	2	ASM–Tire
26:1	231–111	2	Tire – 16x6.50–6
26:2	232–27	2	Valve Stem & Cap Assemby
27	242–50	8	Nut–Lug
28	32112–17	8	Pushnut
29	82–3830	2	Hub–Wheel
30	3213–8	8	Screw–HH
31	325–11	8	Screw–HH
32	3241–5	4	Set Screw
33	95–1528	2	Pulley–Pump
34	82–4110	1	V Belt
35	80–6090	2	Key–Square
36	86–4740–01	2	Spacer–Frame
37	86–4730–01	2	Plate–Frame
38	3296–23	8	Nut–Lock
39	67–8110	2	Filter–Oil
40	354–117	2	Fitting–Hydraulic
40:1	237–79	2	O–Ring
41	86–9080	1	Head–Filter
42	3253–3	2	Washer–Lock
43	321–3	2	Screw–HH



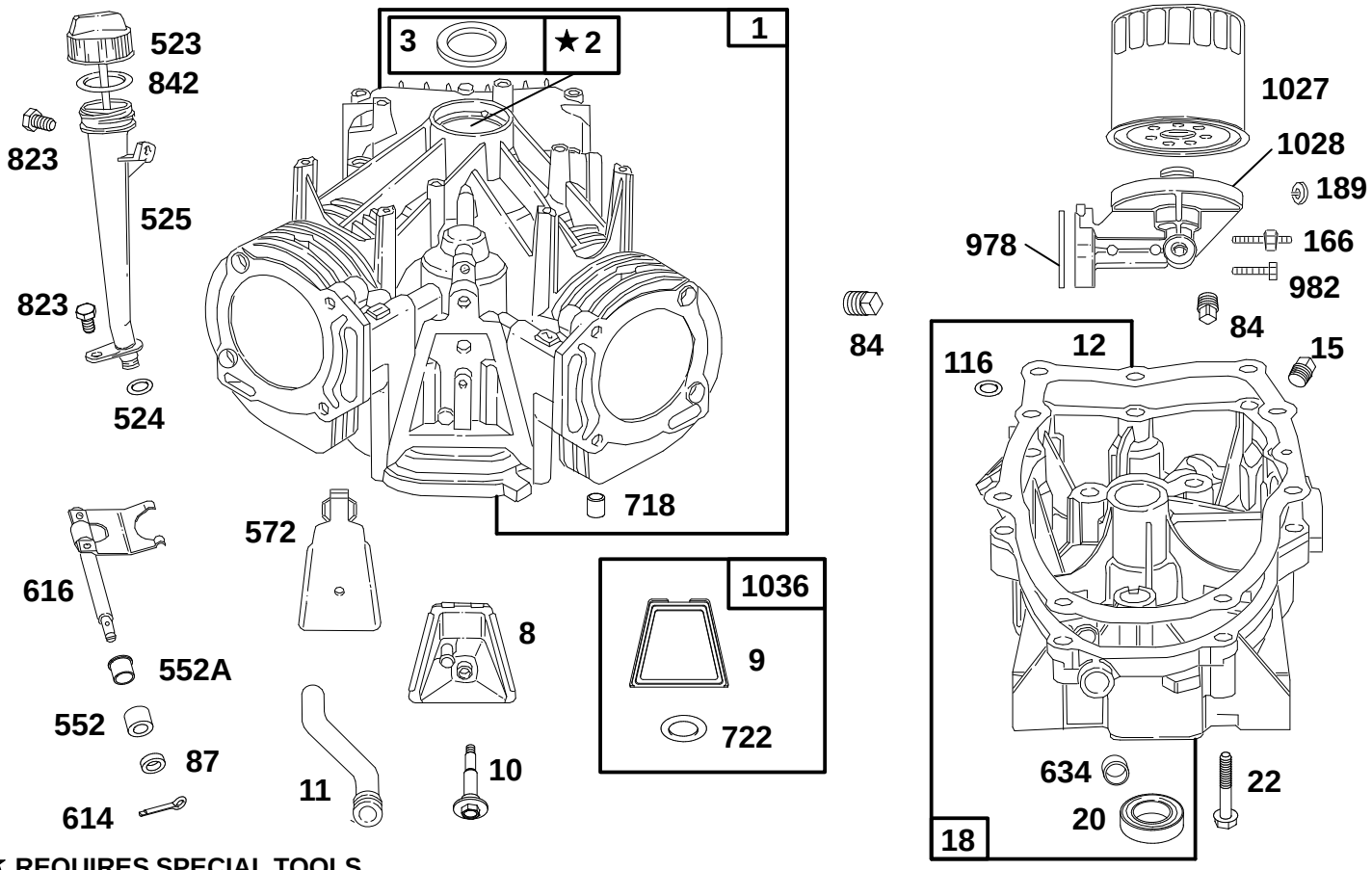
Sheet No.: 11

Parking Brakes

Ref. No.	Part No.	Qty.	Description
1	95–5889	1	Muffler Guard
2	95–5864	1	Guard Pipe
3	95–5885	2	Stop Arm
4	94–0317	1	Decal–CE
5	103712	1	Grip
6	95–5871	1	Lever–Brake
7	3296–2	1	Nut–Lock
8	3290–134	1	Screw–HH
9	32128–13	1	Nut–Hex Flange
10	322–7	1	Screw–HH
11	3256–27	6	Washer–Flt
12	3272–12	6	Pin–Cotter
13	37–9150	1	Spring
14	40–8130	1	Spacer–Speed Selector
15	95–5872	1	Plate–Selector
16	95–5877	1	Brake
17	95–5879	1	Decal–Parking Brake

Ref. No.	Part No.	Qty.	Description

Obtain parts from Briggs & Stratton



★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.**

Assemblies include all parts shown in frames.

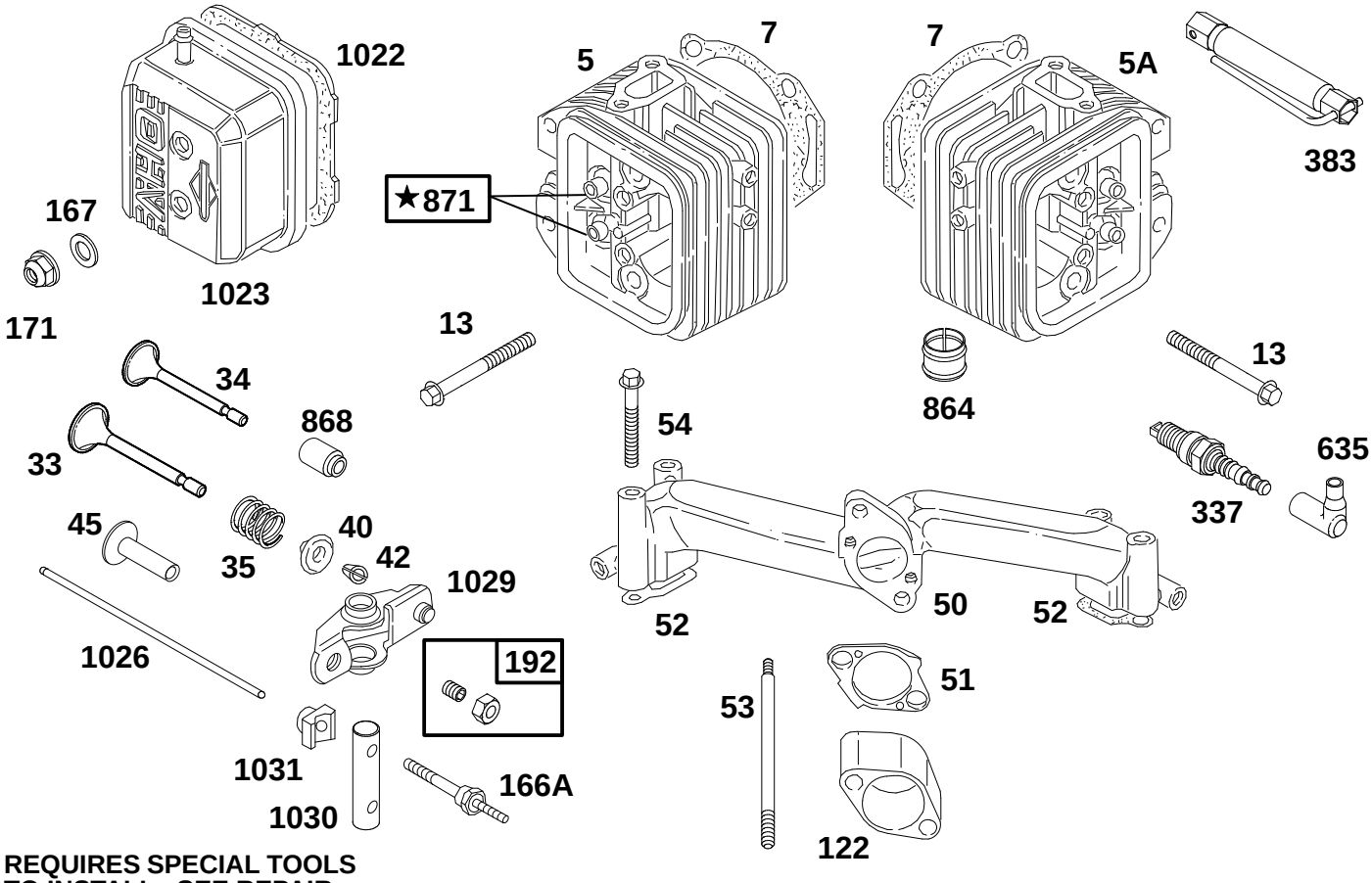
1019 LABEL KIT

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
1	805511	Cylinder Assembly	
2	805107	Bearing–Cylinder	
★3	805101	Seal–Oil	
8	807795	Breather Assembly	
★9	805379	Gasket–Breather	
10	805751	Screw–Shoulder	
11	805362	Tube–Breather	
★12	805112	Gasket–Crankcase	
15	805048	Plug–Oil Drain	
18	807638	Sump–Engine	
★20	805049	Seal–Oil	
22	805696	Screw–Hex.	
84	91488	Plug–Pipe	
★87	805054	Seal–Governor Shaft	
★116	805198	Seal–O-Ring	
166	805073	Stud–Hex. Drive	
189	805449	Washer–Lock	
523	807985	Cap–Oil Fill	
★524	805011	Seal–Fill Tube	

Ref. No.	Part No.	Description	No. Used
525	807611	Tube–Oil Fill	
552	805412	Bushing–Governor Crank	
552A	805413	Bushing–Governor Crank	
572	805197	Baffle–Oil	
614	805417	Pin–Cotter	
616	807596	Crank–Governor	
634	805416	Seal–Governor	
718	805103	Pin–Dowel	
722	★	Seal–O-Ring (Sold in Kit Only)	
823	805317	Screw–Hex.	
★842	270920	Seal–Oil Fill Cap	
★978	805250	Gasket–Adapter	
982	805030	Screw–Hex.	
1019	808036	Label Kit	
1027	492932	Filter–Oil	
1028	805292	Adapter–Filter	
1036	807688	Gasket Set–Breather	

★ Included in Gasket Set–Part No. 807989.



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Assemblies include all parts shown in frames.

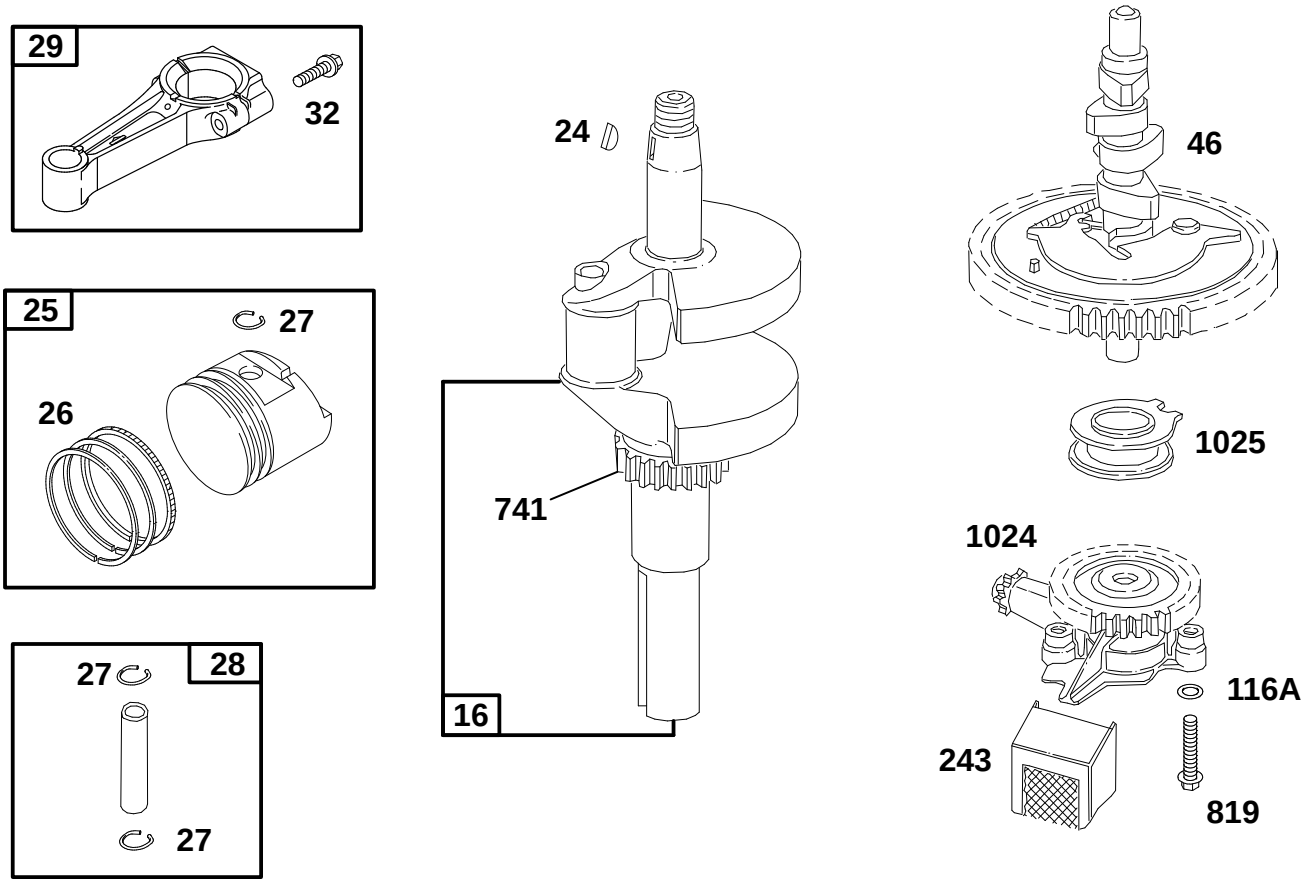
Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
5	807987	Head–Cylinder #1	
5A	807988	Head–Cylinder #2	
Δ★7	807986	Gasket–Cylinder Head	
13	805097	Screw–Hex.	
33	805089	Valve–Exhaust	
34	805090	Valve–Intake	
35	805937	Spring–Valve	
40	805092	Retainer–Valve	
42	805161	Keeper–Valve	
45	262679	Tappet–Valve	
50	805409	Manifold–Intake	
★51	805700	Gasket–Intake	
★52	805023	Gasket–Intake	
53	805669	Stud–Standard	
54	805006	Screw–Hex.	
122	805770	Spacer–Carb.	
166A	805073	Stud–Hex. Drive	
Δ★167	805420	Washer	

Ref. No.	Part No.	Description	No. Used
171	805019	Nut–Lock	
192	807623	Screw–Adjusting	
337	491055	Plug–Spark	
383	19374	Wrench–Spark Plug	
635	805529	Boot–Spark Plug	
864	805083	Adapter–Muffler	
868	805094	Seal–Valve	
871	805084	Bushing–Guide	
Δ★1022	806039	Gasket–Rocker Cover	
1023	805100	Cover–Rocker	
1026	805352	Rod–Push (Intake, Steel) **Note:** 805617 Rod–Push (Exhaust, Aluminum)	
1029	808096	Arm–Rocker	
1030	805342	Shaft–Rocker Arm	
1031	805341	Support–Rocker Arm	

★ Included in Gasket Set–Part No. 807989.

Δ Included in Valve Overhaul Kit–Part No. 807990.



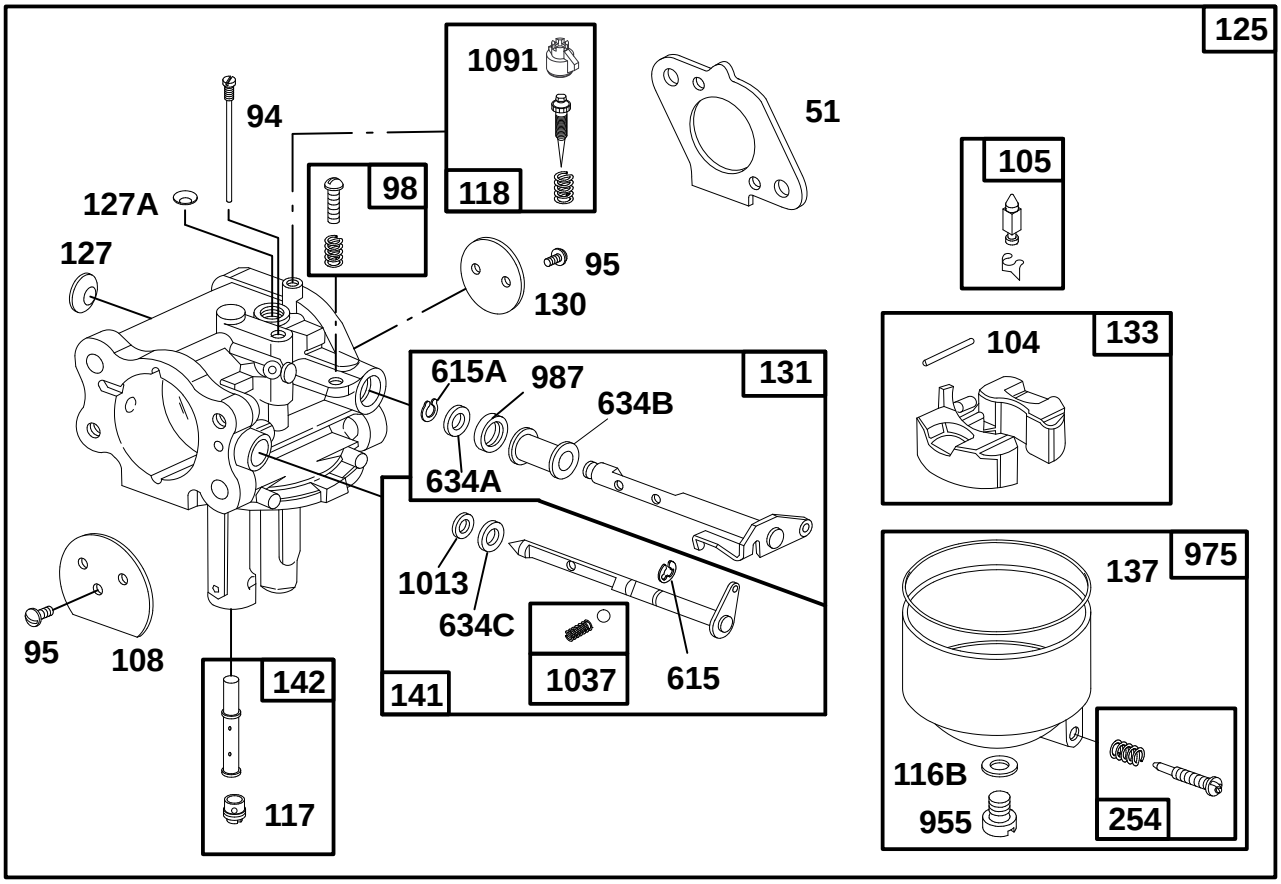
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
16	807586	Crankshaft **Note:** To Replace Crankshaft Timing Gear Key, Order Part No. 94196. For Thrust Washers, Order Part No. 807625.	
24	806066	Key−Flywheel	
25	807619	Piston Assembly (Standard)	
	807807	Piston Assembly (.010” O.S.)	
	807809	Piston Assembly (.020” O.S.)	
	807811	Piston Assembly (.030” O.S.)	
26	807620	Ring Set (Standard)	
	807808	Ring Set (.010” O.S.)	
	807810	Ring Set (.020” O.S.)	
	807812	Ring Set (.030” O.S.)	

Ref. No.	Part No.	Description	No. Used
27	805099	Lock−Piston Pin	
28	807621	Pin−Piston (Standard)	
	807803	Pin−Piston (.020” U.S.)	
29	807900	Rod−Connecting 807803 Rod−Connecting (.020” Undersize)	
32	805395	Screw−Hex.	
46	807542	Gear−Cam	
★116A	805058	Seal−O-Ring	
243	805964	Screen−Oil	
741	805894	Gear−Timing	
819	805057	Screw−Hex.	
1024	807546	Pump−Oil	
1025	805313	Spool−Governor	

★ Included in Gasket Set−Part No. 807989.



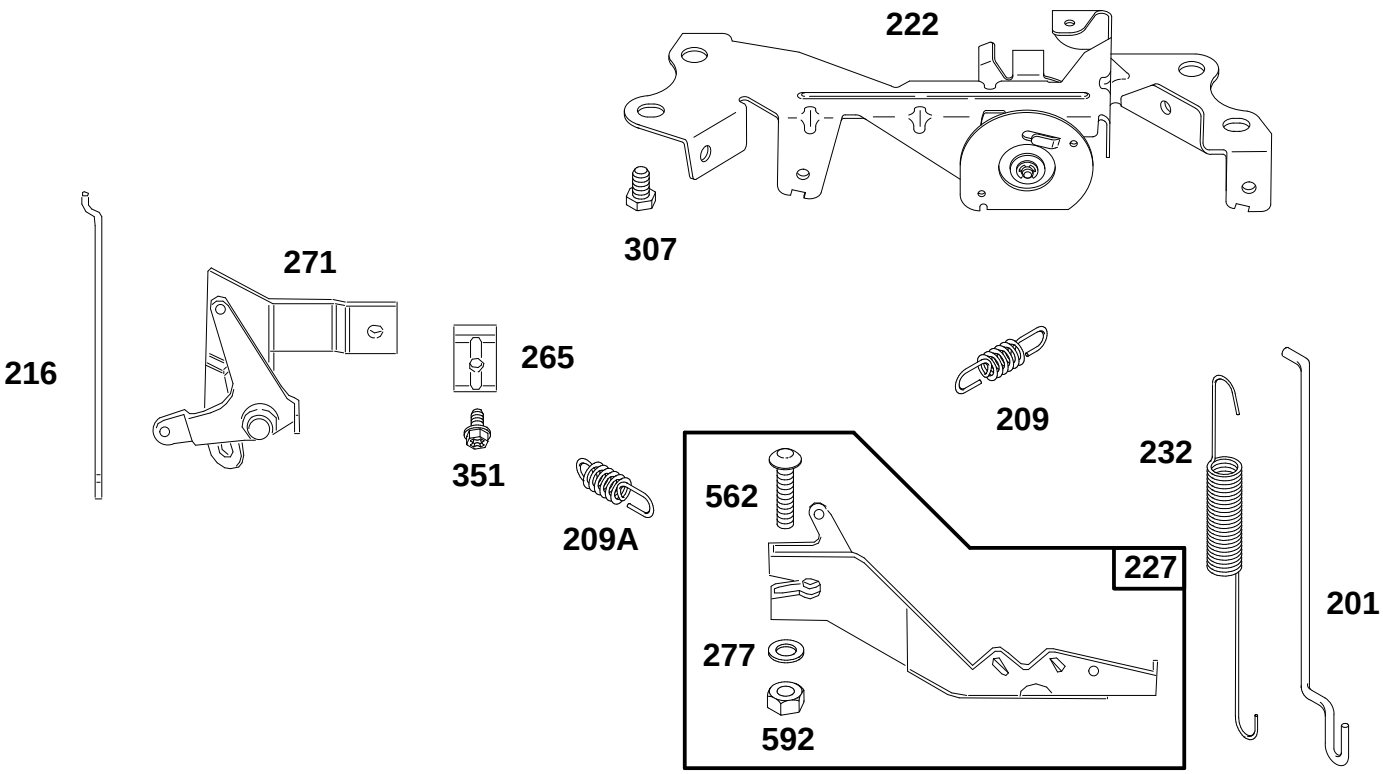
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
★51	805700	Gasket–Intake	
●94	805777	Tube–Jet	
95	805561	Screw–Slotted	
98	807705	Screw–Idle Speed	
●104	805586	Pin–Float Hinge	
●105	807706	Valve–Needle	
108	805562	Valve–Choke	
●◆116B		Gasket–Plug (Sold in Kit Only)	
●117		Jet–Main (Sold in Kit Only)	
●118	808258	Valve–Idle Adjustment	
125	808255	Carburetor	
●127	805570	Plug–Welch	
●127A	805571	Plug–Welch	
130	805572	Valve–Throttle	
131	808323	Shaft–Throttle	

Ref. No.	Part No.	Description	No. Used
133	807710	Float–Carburetor	
●◆137		Gasket–Float Bowl (Sold in Kit Only)	
●◆141	807711	Shaft–Choke	
●142	807960	Nozzle–Carburetor	
254	807713	Drain–Carburetor Bowl	
●615	805578	Retainer	
●615A	805577	Retainer	
●634A	805576	Collar–Throttle Shaft	
●634B	805574	Collar–Throttle Shaft	
●634C	805580	Collar–Throttle Shaft	
955	807714	Plug	
975	807715	Bowl–Float	
●◆987	806079	Seal–Throttle Shaft	
●◆1013	805581	Seal–Choke Shaft	
●1037	807717	Ball–Choke Locator	
●1091	805858	Cap–Limiter	

★ Included in Gasket Set–Part No. 808989.
● Included in Carburetor Kit–Part No. 808324.
◆ Included in Carburetor Gasket Set–Part No. 808325.

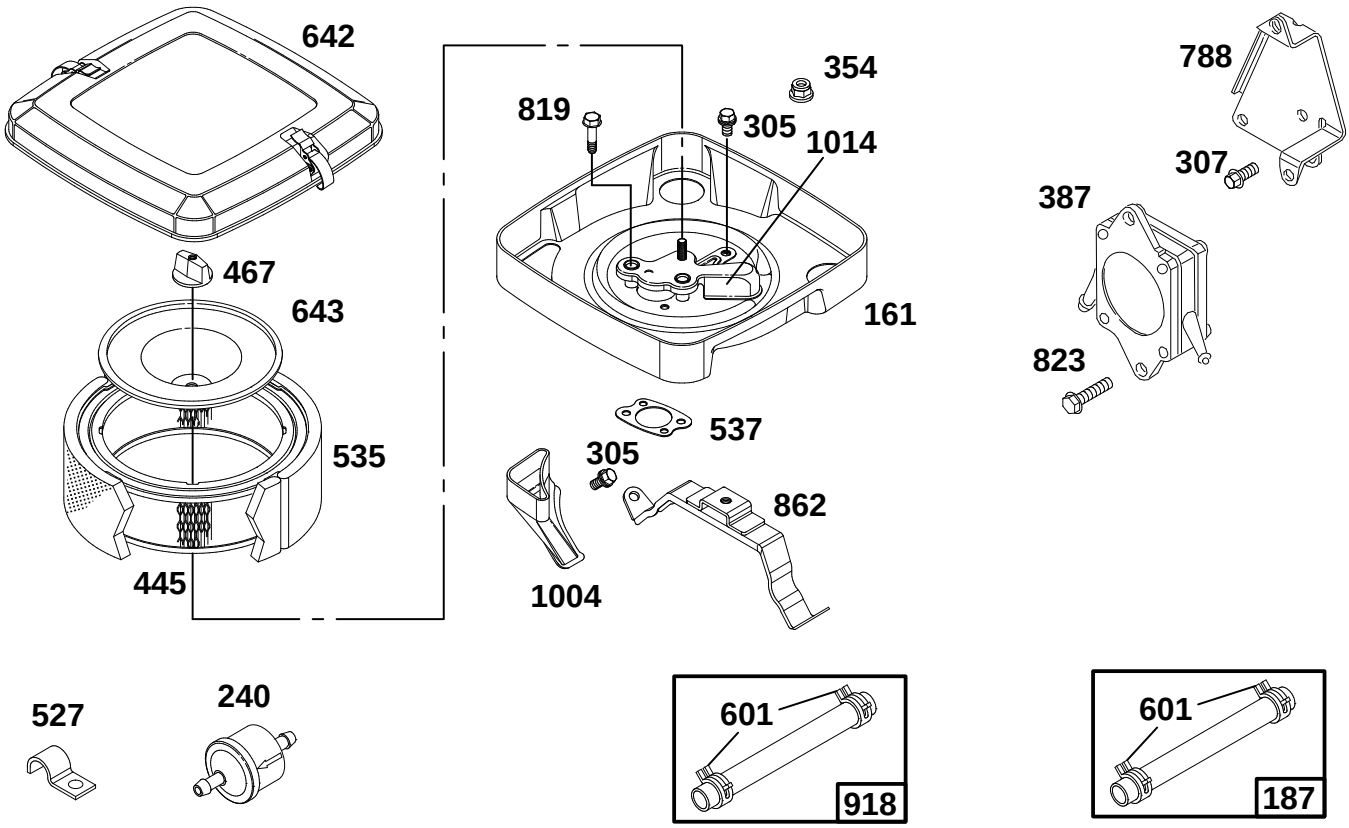


Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
201	805480	Link	
209	805463	Spring–Governor	
209A	805453	Spring–Governor Idle	
216	805439	Link	
222	808195	Bracket–Control	
227	807528	Lever–Governor	
232	805465	Spring–Link	

Ref. No.	Part No.	Description	No. Used
265	221535	Clamp–Casing	
271	808145	Lever–Control	
277	805018	Washer	
307	805025	Screw–Hex.	
351	805169	Screw–Phillips Hex.	
562	805381	Bolt–Carriage	
592	805383	Nut–Hex.	



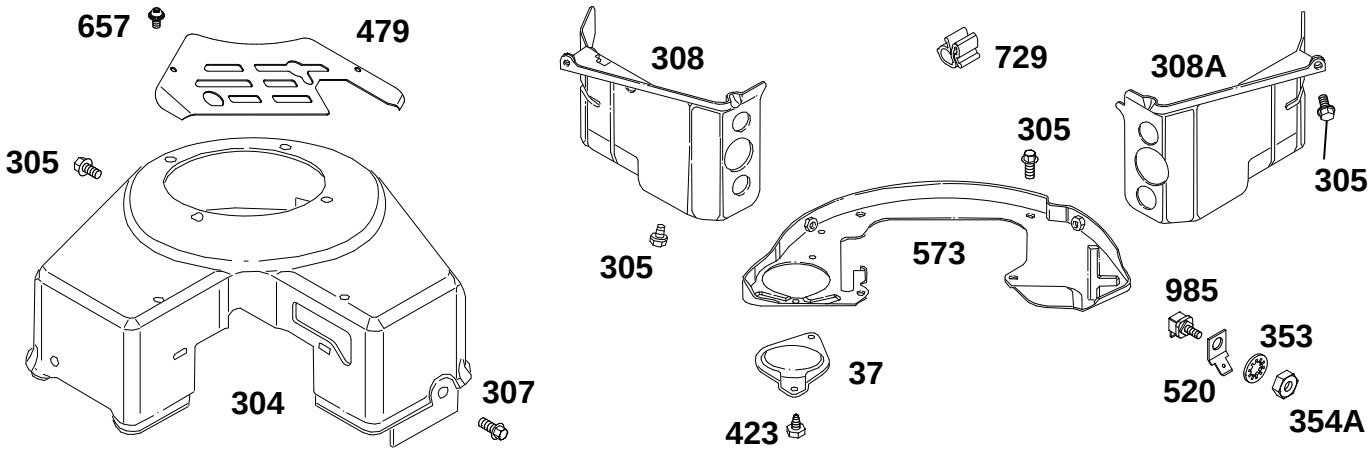
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
161	807857	Base–Air Cleaner	
187	296004	Line–Fuel	
		(Cut to Required Length)	
240	493629	Filter–Fuel	
305	805406	Screw–Hex.	
307	805025	Screw–Hex.	
354	810078	Nut–Hex.	
387	808322	Pump–Fuel	
445	394018	Filter–Air	
467	491875	Knob	
527	223167	Clamp–Tube	
535	272490	Filter–Air	

Ref. No.	Part No.	Description	No. Used
★537	808655	Gasket–Air Cleaner	
601	93053	Clamp–Hose	
642	807862	Cover–Air Cleaner	
643	805631	Retainer–Air Filter	
788	807685	Bracket–Pump	
819	805057	Screw–Hex.	
823	805317	Screw–Hex.	
862	807859	Strap–Cleaner Mounting	
918	393815	Line–Vacuum	
		(Cut to Required Length)	
1004	805632	Duct–Air	
1014	807797	Shield–Carburetor	

★ Included in Gasket Set–Part No. 495993.

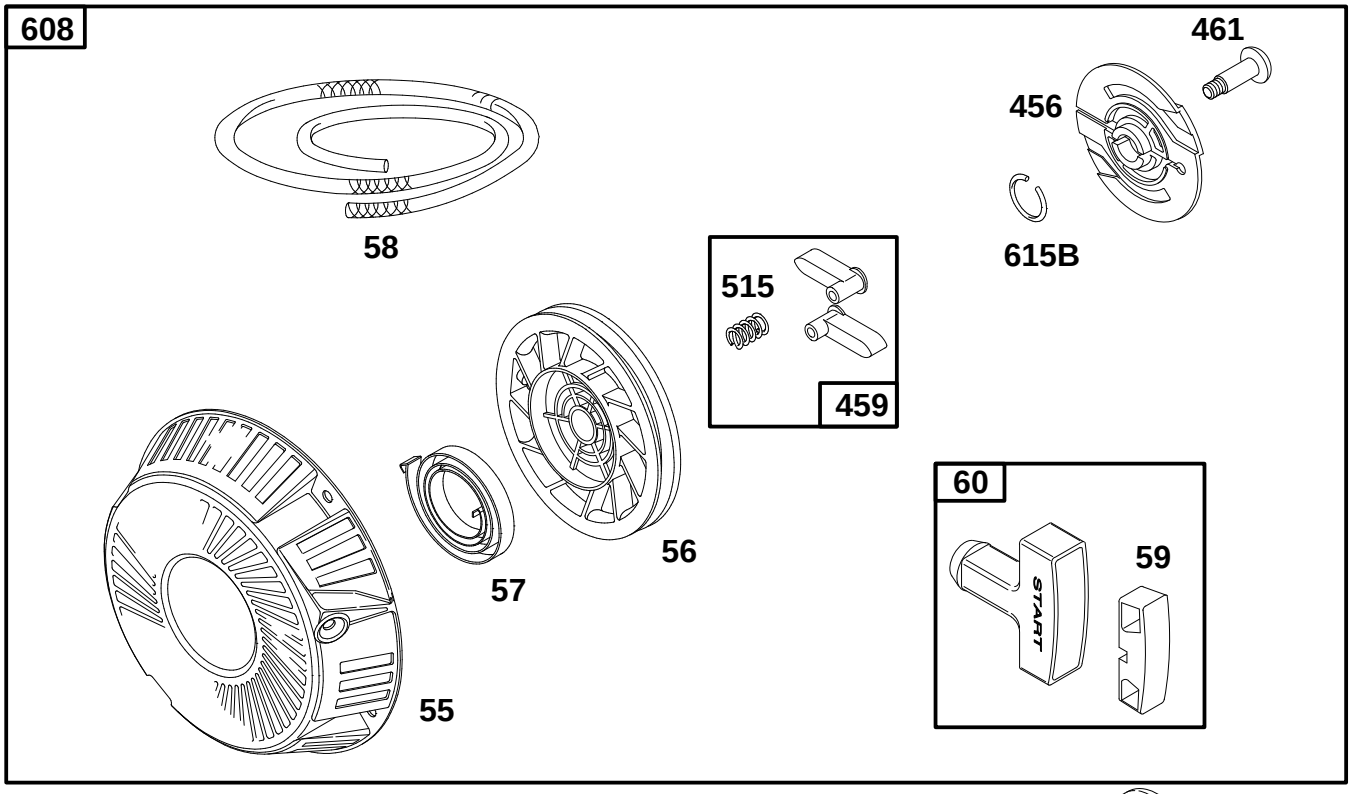


Assemblies include all parts shown in frames.

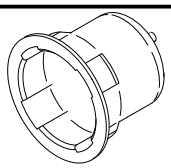
Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
37	805506	Guard–Flywheel	
304	808055	Housing–Blower	
305	805406	Screw–Hex.	
307	805025	Screw–Hex.	
308	808309	Cover–Air Guide	
308A	808098	Cover–Air Guide	
353	92791	Washer–Lock	
354A	90576	Nut–Hex.	

Ref. No.	Part No.	Description	No. Used
423	805260	Screw–Phillips Hex.	
479	805841	Cover–Carburetor	
520	93722	Terminal	
573	807663	Plate–Back	
657	805009	Screw–Phillips	
729	280470	Clip–Wire	
985	398525	Insulator	




305


455

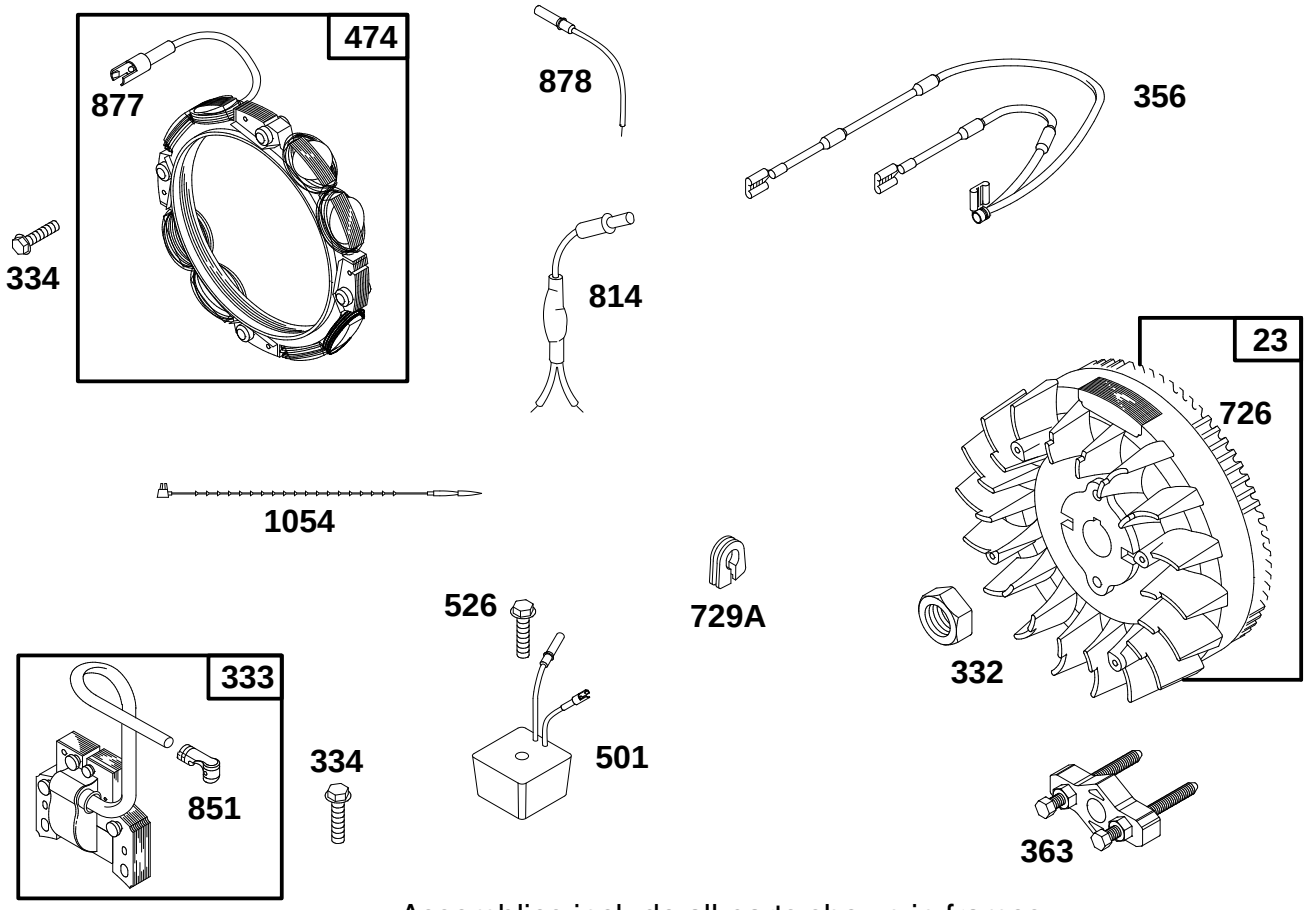
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
55	808186	Housing–Rewind Starter	
56	805949	Pulley–Starter	
57	805951	Spring–Rewind Starter	
58	66574	Rope–Starter (Cut to 78–3/4”)	
59	805957	Insert–Rope	
60	808167	Grip–Starter Rope	
305	805406	Screw–Hex.	
455	805876	Cup–Flywheel	
456	805954	Retainer–Spring	
459	808166	Pawl–Ratchet	

Ref. No.	Part No.	Description	No. Used
461	805955	Screw–Shoulder	
515	805953	Spring–Pawl	
608	808087	Starter–Rewind	
615B	805952	Ring–Retaining	
*	807595	Muffler	1
*	805778	Manifold – Exhaust	1
*	808362	Bracket Asm	1
*	805247	Screa	2
*	222573	Deflecror	1
*	93705	Screw	4

* Not Illustrated

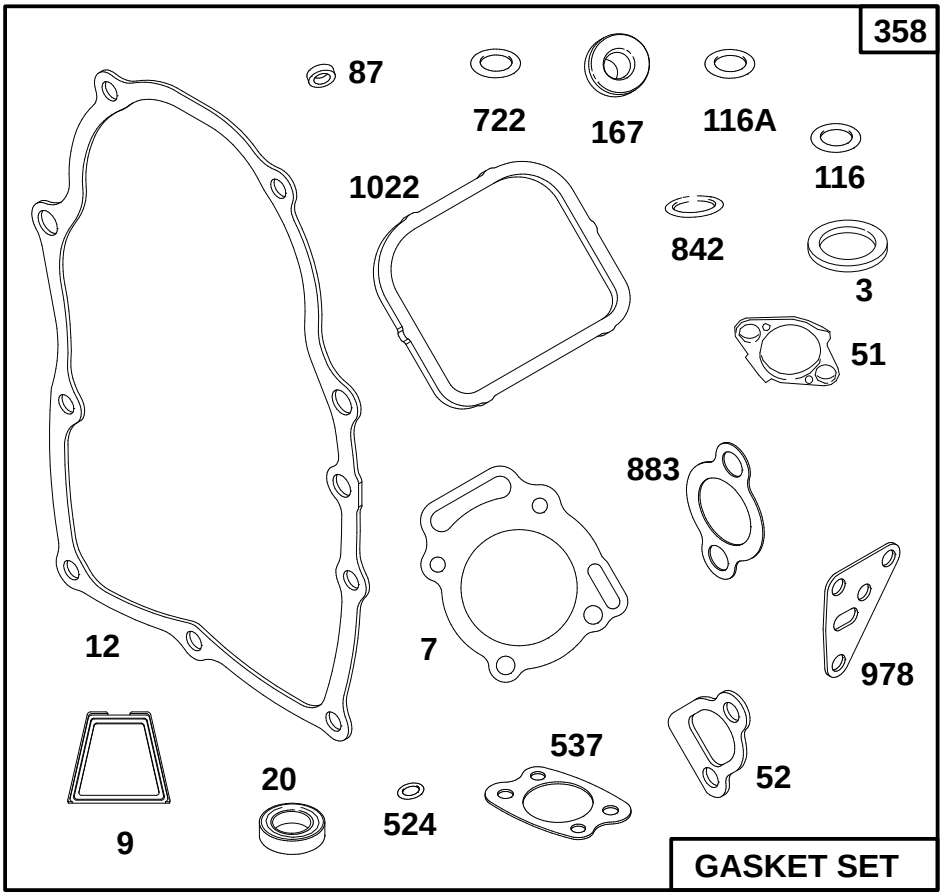


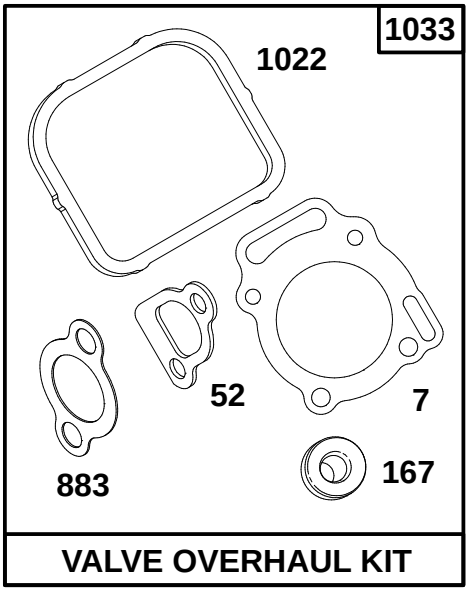
Assemblies include all parts shown in frames.

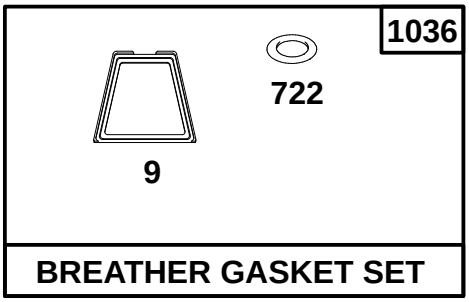
Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
23	807531	Flywheel	
332	806028	Nut–Flywheel	
333	492341	Armature–Magneto	
334	805407	Screw–Hex.	
356	493792	Wire–Stop	
363	19203	Flywheel Puller	
474	392595	Alternator	
501	491546	Regulator	

Ref. No.	Part No.	Description	No. Used
526	805535	Screw–Hex.	
726	807805	Gear–Ring	
729A	805641	Clip–Wire	
814	392606	Harness–Alternator	
851	493880	Terminal–Cable	
877	393537	Wire–Alternator	
878	393422	Harness–Alternator	
1054	270723	Tie–Cable	







Assemblies include all parts shown in frames.

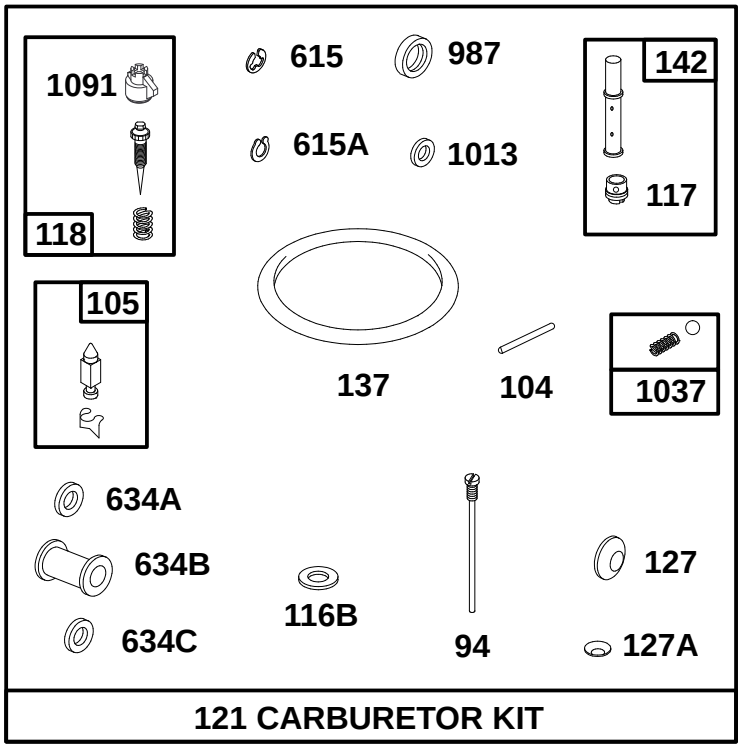
Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
★3	805101	Seal–Oil	
Δ★7	807986	Gasket–Cylinder Head	
★9	805379	Gasket–Breather	
★12	805112	Gasket–Crankcase	
★20	805049	Seal–Oil	
★51	805700	Gasket–Intake	
Δ★52	805023	Gasket–Intake	
★87	805054	Seal–Governor Shaft	
★116	805198	Seal–O-Ring (Crankcase Cover)	
★116A	805058	Seal–O-Ring (Oil Pump)	
Δ★167	805420	Washer (Valve Cover)	

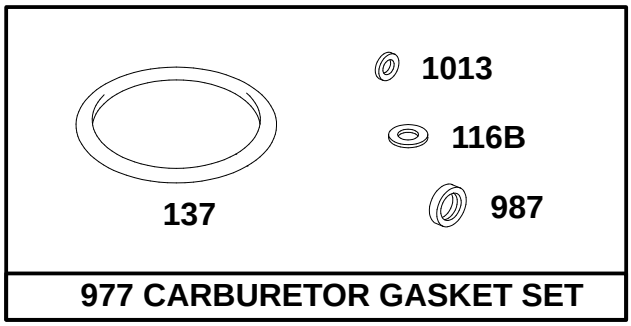
Ref. No.	Part No.	Description	No. Used
358	807989	Gasket Set	
★524	805011	Seal–Fill Tube	
★537	805655	Gasket–Air Cleaner	
★722		Seal–O-Ring (Oil Pump)	
★842	270920	Seal–O-Ring	
Δ★883	805024	Gasket–Exhaust	
★978	805250	Gasket–Adapter	
Δ★1022	806039	Gasket–Rocker Cover	
1033	807990	Kit–Valve Overhaul	
1036	807688	Gasket Set–Breather	

★ Included in Gasket Set–Part No. 807989.

Δ Included in Valve Overhaul Kit–Part No. 807990.



121 CARBURETOR KIT



977 CARBURETOR GASKET SET

Assemblies include all parts shown in frames.

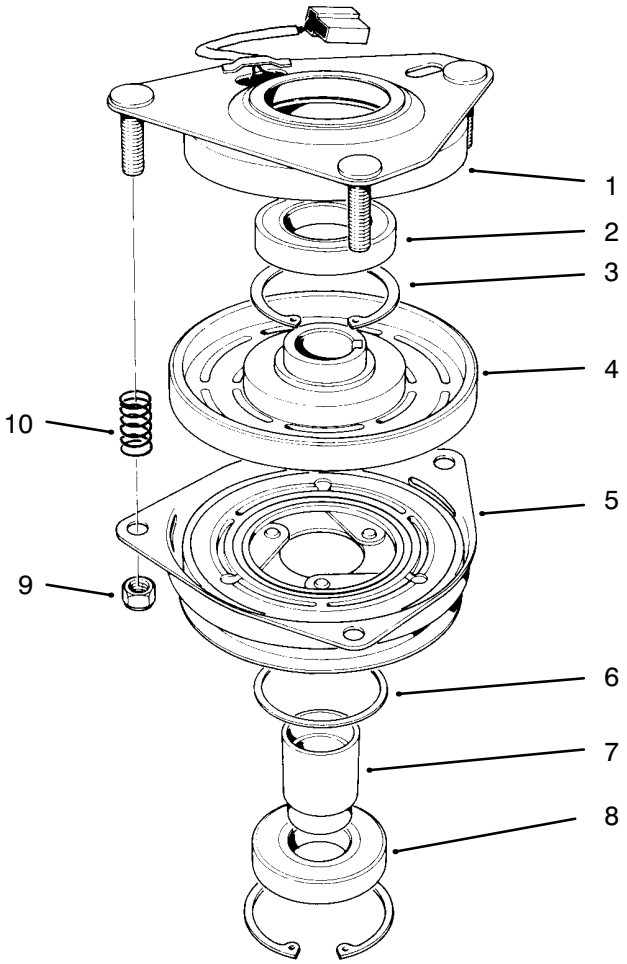
Engine Briggs & Stratton Model 303776–1188–A1

Ref. No.	Part No.	Description	No. Used
●94	805777	Tube–Jet	
●104	805586	Pin–Float Hinge	
●105	807706	Valve–Needle	
◆●116B		Gasket–Plug (Sold in Kit Only)	
●118	808258	Valve–Idle Adjustment	
●117		Jet–Main (Sold in Kit Only)	
121	808324	Carburetor Kit	
●127	805570	Plug–Welch	
●127A	805571	Plug–Welch	
◆●137		Gasket–Float Bowl (Sold in Kit Only)	

Ref. No.	Part No.	Description	No. Used
●142	807960	Nozzle–Carburetor	
●615	805578	Retainer	
●615A	805577	Retainer	
●634A	805576	Collar–Throttle Shaft	
●634B	805574	Collar–Throttle Shaft	
●634C	805580	Collar–Throttle Shaft	
977	808325	Gasket Set–Carburetor	
●◆987	806079	Seal–Throttle Shaft	
●◆1013	805581	Seal–Choke Shaft	
●1037	807717	Ball–Choke Locator	
●1091	805858	Cap–Limiter	

● Included in Carburetor Kit–Part No. 808324.

◆ Included in Carburetor Gasket Set–Part No. 808325.

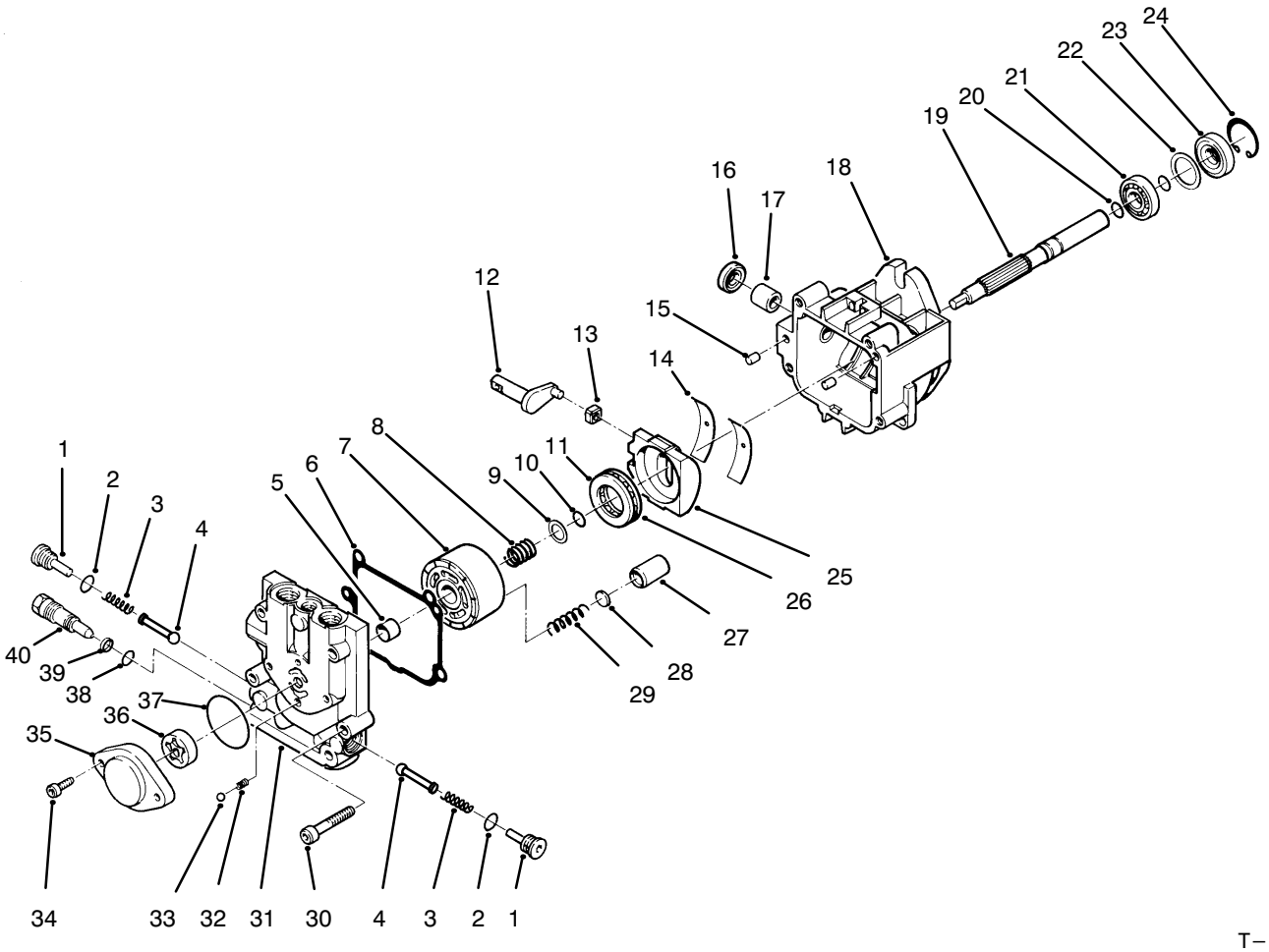


T−0080

CLUTCH ASSEMBLY NO. 54−3200

Ref. No.	Part No.	Description	No. Used
1	54−0230	Field Ass'y (Incl. Ref. #2 & 3)	1
2	251−292	Bearing − Field	1
3	44−8310	Ring − Retaining	2
4	44−8360	Field Coil, Rotor & Bearing Assembly (Incl. Ref. #1)	1
5	55−7410	Armature & Pulley Assemble (Incl. Ref. #3,6,7, & 8)	1
6	44−8330	Spacer	1
7	44−8340	Collar − Bearing	1
8	251−291	Bearing − Pulley	1
9	3296−5	Nut − Lock	3
10	44−8320	Spring	3

3319−279

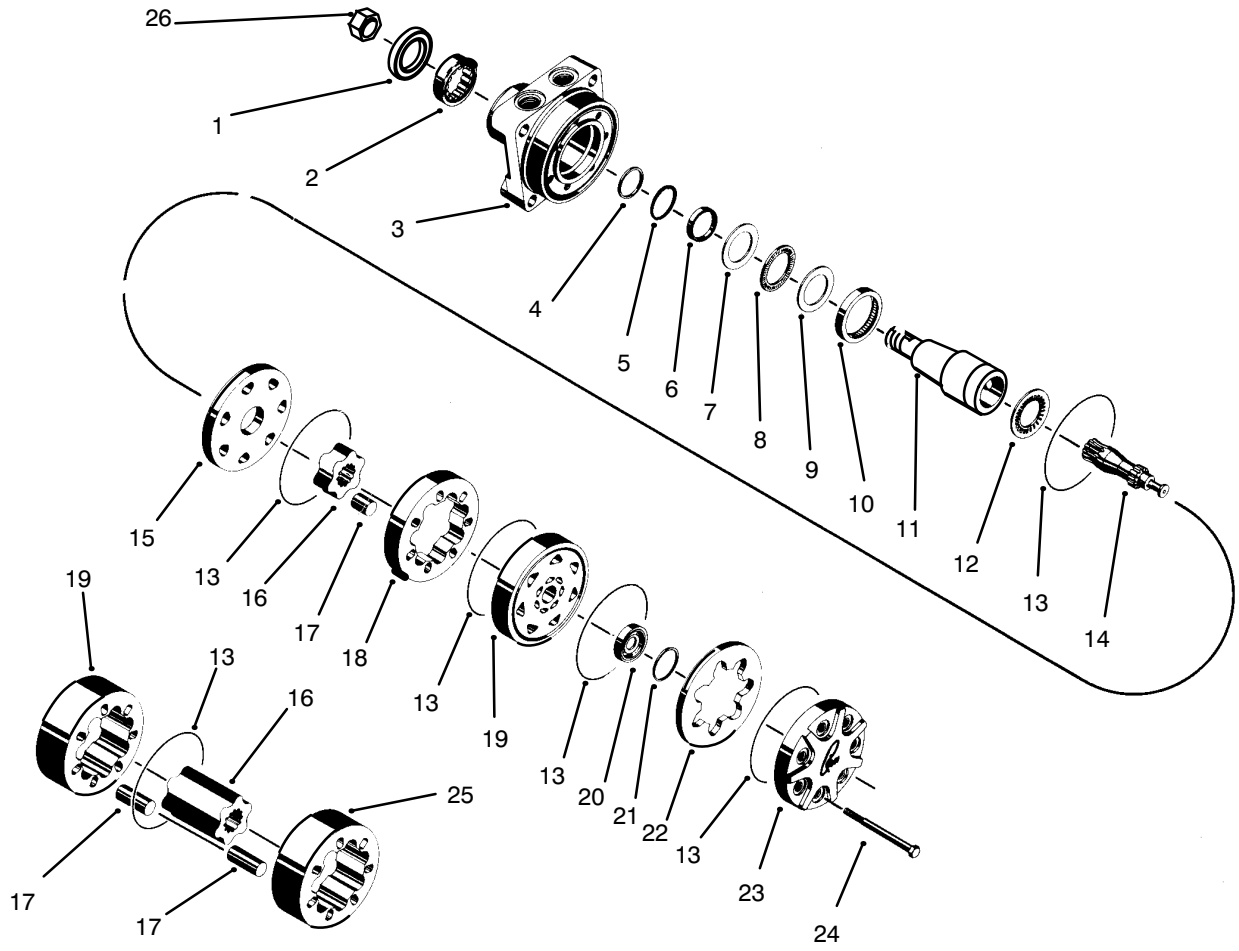


T−1236

Hydraulic Pump Assembly No. 95–1538

Ref. No.	Part No.	Description	No. Used
1	80−6120	Check Valve Kit (Incl. Ref. #2−4)	1
2		Seal − O−Ring	2
3		Spring	2
4		Poppet	2
5		Journal − Bearing	1
6		Gasket − End Cap	1
7		Cylinder Block Kit (Incl. Ref. #8−10 & 27−29)	1
8		Spring	1
9		Washer	1
10		Ring − Retaining	1
11		Plate − Thrust	1
12		Arm − Trunnion	1
13		Guide − Slot	1
14		Cradle − Bearing	2
15		Pin	2
16		Seal − Lip	1
17		Journal − Bearing	1
18		Housing − Assembly (Incl. Ref. #16 & 17)	1
19		Shaft	1
20		Ring − Retaining	2
21		Bearing − Ball	1
22		Spacer	1
23		Seal − Lip	1
24		Ring − Retaining	1
25		Swashplate Assembly	1
26		Roller − Thrust	1
27		Piston	5
28		Washer − Thrust	5
29		Spring − Piston	5
30		Screw	4
31		End Cap Assembly (Incl. Ref. #5)	1
32		Ball	1
33		Spring	1
34		Screw	2
35		Housing − Charge Pump	1
36		Gerotor Assembly	1
37		Seal − O−Ring	1
38		Seal − O−Ring	1
39		Ring − Back−Up	1
40		Valve − Bypass	1
*	80−6110	Charge Relief Valve Kit (Incl. Ref. #32−33)	1
*	80−6130	Overhaul Seal Kit (Incl. Ref. #6, 10, 16, 20, 23 & 37−39)	1

*Not Illustrated



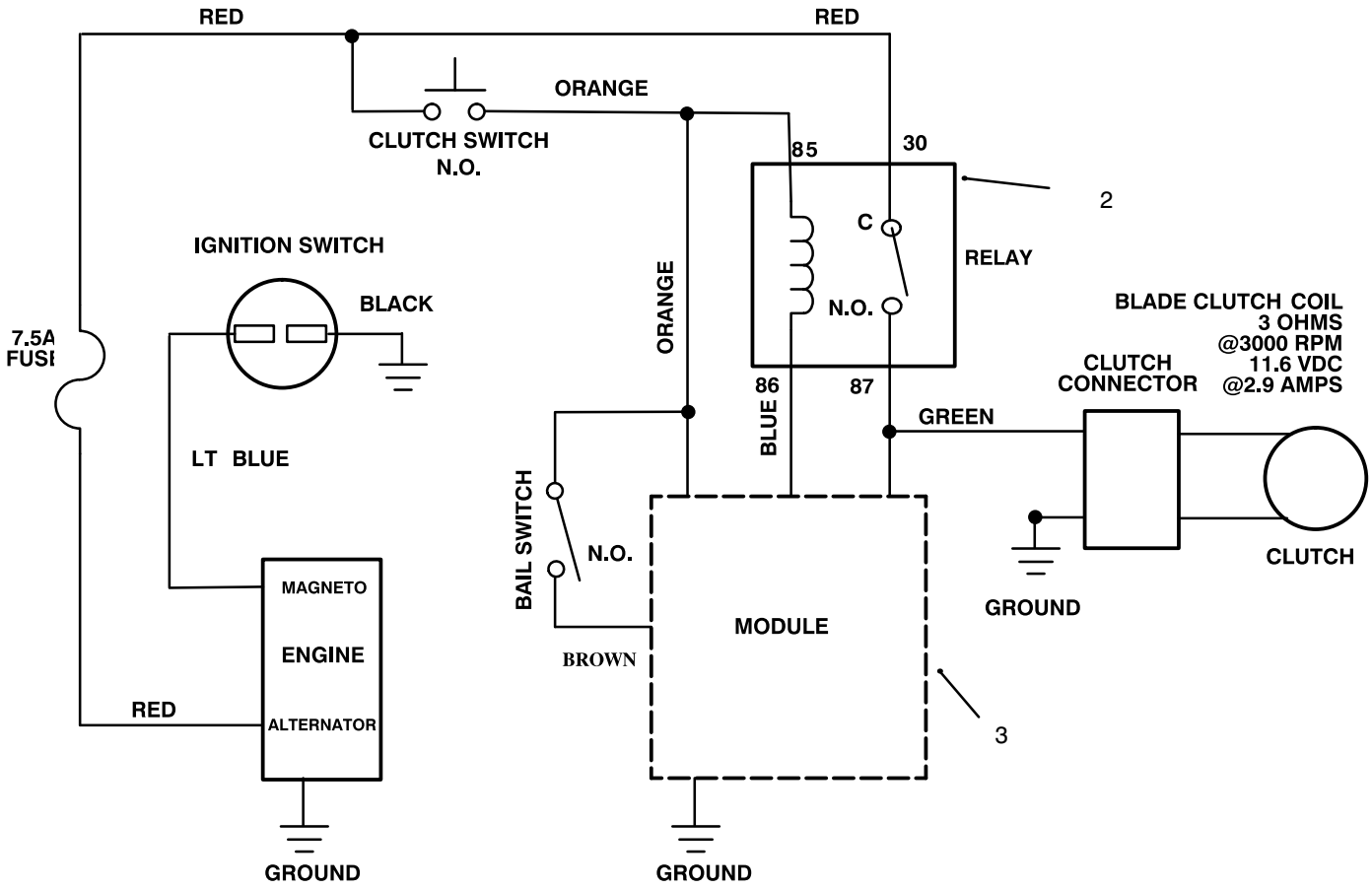
C−0737

Traction Drive Motor (Torqumotor

Ref. No.	Part No.	Description	No. Used
1		Seal	1
2		Bearing	1
3		Housing	1
4		Washer − Back Up	1
5		Washer − Back Up	1
6		Seal	1
7		Washer − Thrust	1
8		Bearing − Thrust	1
9		Washer − Thrust	1
10		Bearing − Inner	1
11		Coupling − Shaft	1
12		Bearing − Thrust	1
13		”O”Ring	5
14		Link − Drive	1

Ref. No.	Part No.	Description	No. Used
15		Plate Wear	1
16		Rotor	1
17		Vane	7
18		Stator	
19		Manifold	1
20		Commutator	1
21		Seal − Commutator	1
22		Commutator − Ring	1
23		Cover − End	1
24		Bolt − Special	A/R
25		Stator Half	
26	85−7310	Nut	1
*	85−7320	Kit − Seal	
		(Incl. Ref. #1,4,6,13 & 20)	1

*Not Illustrated

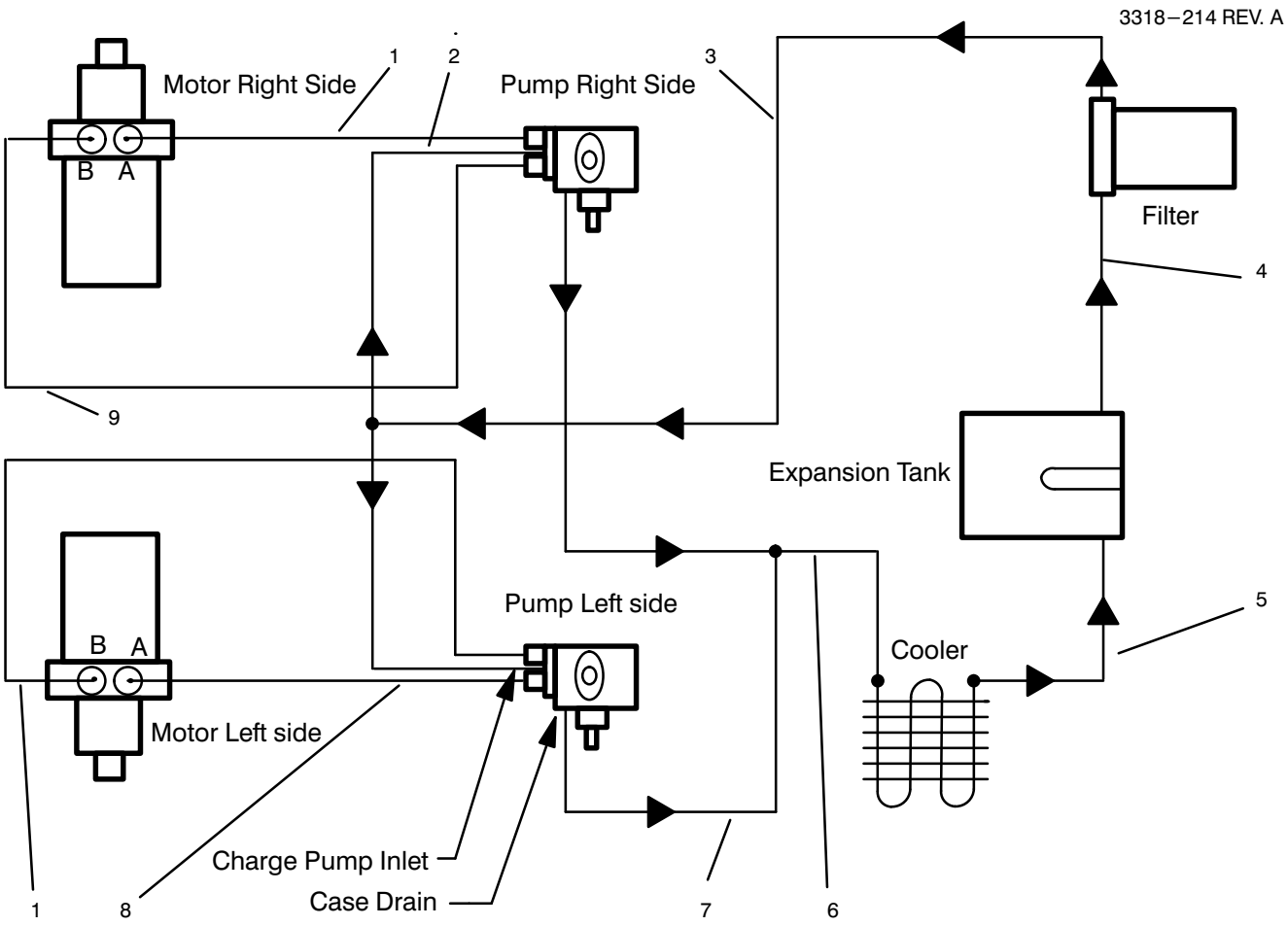


Electric Schematic

Ref. No.	Part No.	Description	No. Used
1	95−2806	Wire Harness	1
2	63−7590	Relay	1

Ref. No.	Part No.	Description	No. Used
3	94−9666	Module − Interlock	1

*Not Illustrated



Hydraulic Schematic

Ref. No.	Part No.	Description	No. Used
1	82−4550	Hose Assembly	2
2	82−4170	Hose Assembly	1
3	82−4180	Hose Assembly	1
4	82−4200	Hose Assembly	1
5	82−4193	Hose Assembly	1

Ref. No.	Part No.	Description	No. Used
6	82−4192	Hose Assembly	1
7	82−4201	Hose Assembly	1
8	82−4560	Hose Assembly	1
9	82−4540	Hose Assembly	1

Toro Part Number Index

Part No.	Page No.	Ref. No.	Qty.	Description
112843	5	13	1	Washer−PTO
608006	5	16	1	Key
27−6230	5	8	1	Bolt−Wheel
29−0590	6	12	1	Screen−Filler
29−0642	1	6	1	Jiffy−Trim
29−5560	4	18	1	Switch−On/Off
44−5940	5	15	1	Pulley−Drive
47−2980	5	4	1	Fuel Line (.25id X 6.25)
51−4540−03	1	13	1	Retainer−Clutch
54−2970	4	27	2	Spacer
54−3200	5	14	1	Clutch ASM
55−3570	5	1	1	Cap−Fuel
62−4540−03	5	10	1	Pulley−Idler
63−7590	4	10	1	Relay
63−8360	4	22	2	Key−Ignition
67−8110	6	39	2	Filter−Oil
68−2190	5	7	1	Spring−Extension
74−0521	3	24	1	Rod−Fitting
74−0720	4	8	1	Tube−Manual
76−0200	6	11	1	ASM−Cap
80−6090	6	35	2	Key−Square
82−2180−03	4	23	1	Panel−Control
82−2190	3	11	1	Switch−Bail
82−2300	4	1	1	Switch
82−3790	5	36	2	Arm−Control
82−3810	6	26	2	ASM−Tire
82−3820	4	2	1	Boot−Switch
82−3830	6	29	2	Hub−Wheel
82−3840	3	21	2	Spacer−Latch
82−3920	2	23	2	Stop−Reverse
82−4110	6	34	1	V Belt
82−4130	2	1	4	Bearing
82−4160	2	20	2	Spring−Detent
82−4170	6	7	1	ASM−Hose
82−4180	6	6	1	ASM−Hose
82−4190	6	15	2	ASM−Hose
82−4200	6	16	1	ASM−Hose
82−4201	6	9	1	ASM−Hose
82−4210−01	2	4	1	Bracket−Bushing
82−4220	1		A/R	Cooler−Oil
82−4220	1	22	1	Cooler−Oil
82−4240	2	21	2	Spacer−Bearing
82−4330−01	2	14	1	Arm−Detent LH
82−4340−01	2	15	1	Arm−Detent RH
82−4370	2	16	2	Bushing−Arm
82−4540	6	2	1	ASM−Hose
82−4550	6	1	2	ASM−Hose
82−4560	6	24	1	ASM−Hose
82−4600	2	26	2	Decal−Hydro
82−8230	6	22	2	Motor−Wheel
86−4730−01	6	37	2	Plate−Frame
86−4740−01	6	36	2	Spacer−Frame
86−4770−03	5	6	1	Lever−Idler
86−9080	6	41	1	Head−Filter
88−1880	5	5	1	Spring−Compression
93−1187−03	4	16	1	Panel−Bottom
93−7293	4	5	A/R	Decal−Control Panel
93−8069	1	25	1	Decal−Hot Surface
93−9353	1	1	1	Decal−Fuel Shut−Off
94−0317	5	42	1	Decal−Ce
94−4194	1	17	1	Engine−16hp B&s
94−5838	4	3	1	Control−Throttle

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
94−5839	4	26	1	Control−Choke
94−5841	1	32	1	Muffler (Supplied w/Eng)
94−5842	1	30	1	Exhaust Manifold
94−5843	1	31	1	Clamp−Muffler
94−5844	1	36	2	Gasket (Supplied w/Eng)
94−5845	1	35	4	Screw (Supplied w/Eng)
94−5846	1	29	2	Screw (Supplied w/Eng)
94−5847−01	1	15	1	Guard−Engine Pulley
94−6782	1	33	1	Deflector (Supp w/Eng)
94−6783	1	34	4	Screw(Supplied w/Eng)
94−9054−01	2	34	1	Arm−Pivot LH
94−9057	2	7	1	Lever−Pivot LH
94−9059	2	5	1	Lever−Pivot RH
94−9061−01	2	35	1	Arm−Pivot RH
94−9062	2	11	2	Sleeve
94−9093	2	9	2	Rod−Link
94−9095	3	15	1	Rod−Control
94−9096−01	2	37	1	Frame ASM
94−9650	1	20	1	Elbow
94−9655−03	1	24	1	Mount−Cooler
94−9666	4	17	1	Module
95−1504	3	4	1	Turnbuckle
95−1505	3	5	1	Rod−Control
95−1506	3	1	1	Rod−Control
95−1507−03	3	9	1	Control Bar ASM
95−1510−03	3	10	1	Bail ASM
95−1513−03	3	16	1	Pivot ASM
95−1516	2	30	2	Spacer−Tubular
95−1522−01	2	39	1	Bracket−Pivot
95−1524	3	13	1	Decal−T Bar
95−1528	6	33	2	Pulley−Pump
95−1530−01	2	29	1	Bracket−Pivot
95−1532	6	13	1	Reservoir−Oil
95−1536	3	7	1	Handle ASM
95−1538	5	32	2	Hydraulic Pump ASM
95−1545	4	4	1	Decal−Warning
95−1547	1	4	1	Trim−Edge
95−2802	5	2	1	Tank−Fuel
95−2806	3	27	1	Harness−Wire
95−5850	3	12	1	Decal−Traction
95−5851	5	37	1	Decal−Valve
95−5852	3	17	1	Decal−Slope
95−5853	3	22	2	Lock ASM−Quick Release
95−5854	3	33	2	Sleeve
95−5855−03	3	18	2	Spacer−Pivot
95−5856−03	3	29	1	Handle−Upper
95−5860	4	5	1	Decal−Control Panel
95−5862	3	34	1	Decal−Speed Lock
95−5868−01	2	40	1	Guard−Filter
218−461	4	21	1	Nut−HH (F/W Sw)
218−595	3	30	1	Connector−Body
231−111	6	26:1	2	Tire − 16x6.50−6
232−27	6	26:2	2	Valve Stem & Cap Assemby
237−30	6	3:1	4	O−Ring
237−79	6	3:2	4	O−Ring
237−124	5	34	1	Grommet
240−9	1	9	2	Grommet
242−50	6	27	8	Nut−Lug
2410−71	1	5	2	Cap−Plug
2412−98	5	3	2	Clamp−Hose
2412−120	4	9	2	Clamp−R
2412−134	1	23	2	Clamp R

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
2412−136	1	10	2	Clamp
251−259	2	22	2	Bearing−Ball
257−5	2	36	2	Washer−Thrust
283−6	3	25	1	Pin−Clevis
283−55	3	20	2	Pin−Clevis
288−4	1	18	1	Cap−Pipe
289−46	1	19	2	Nipple−Pipe
2815−15	6	10	1	Fitting−Hydraulic
2815−16	6	5	1	Fitting−Hydraulic
321−3	2	25	11	Screw−HH
321−3	4	14	1	Screw−HH
321−3	6	43	2	Screw−HH
321−8	2	31	2	Screw−HH
321−39	1	3	6	Screw−HH
322−3	5	18	4	Screw−HH
322−3	6	18	3	Screw−HH
322−5	2	2	2	Screw−HH
322−7	2	18	2	Screw−HH
322−7	5	35	2	Screw−HH
322−9	1	14	2	Screw−HH
322−14	2	24	2	Screw−HH
322−17	1	16	2	Screw−HH
323−6	2	27	6	Screw−HH
323−9	5	11	1	Screw−HH
324−5	5	22	4	Screw−HH
325−11	6	31	8	Screw−HH
3212−9	5	12	1	Screw−HH
3213−8	6	30	8	Screw−HH
3217−6	1	38	2	Nut−Hex
3218−2	2	10	4	Nut−Hex Jam
3234−11	3	26	4	Screw−HHF
3241−5	6	32	4	Set Screw
3253−3	6	42	2	Washer−Lock
3253−4	1	12	A/R	Washer−Lock
3253−4	5	19	4	Washer−Lock
3253−4	6	17	3	Washer−Lock
3254−5	4	19	1	Washer−Lock
3255−7	4	13	A/R	Washer−Lock
3256−1	1	2	6	Washer−Flat
3256−23	1	11	4	Washer−Flat
3256−23	2	17	2	Washer−Flat
3256−23	3	23	1	Washer−Flat
3257−8	6	25	2	Key−Woodruff
3269−8	5	38	2	Rivet
3274−32	2	19	2	Screw−HH
3290−307	3	2	4	Pin−Cotter
3290−321	1	27	1	Screw−HH
3290−378	2	3	1	Tie−Cable
3290−378	3	8	3	Tie−Cable
3290−392	4	15	A/R	Screw−HH
3290−436	3	32	2	Washer−Belleville
3296−2	3	6	1	Nut Lock
3296−2	4	6	4	Nut Lock
3296−6	5	17	1	Nut−Lock
3296−23	6	38	8	Nut−Lock
3296−29	1	37	3	Nut−Lock
3296−29	2	6	6	Nut−Lock
3296−29	5	30	2	Nut−Lock
3296−39	2	38	6	Nut−Lock
3296−39	5	9	1	Nut−Lock
3296−42	1	21	2	Nut−Lock
3296−42	2	32	11	Nut−Lock

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
3296−42	4	12	1	Nut−Lock
3296−47	2	13	2	Nut−Lock
3296−54	4	11	A/R	Nut
32103−3	3	3	1	Nut−Wing
32104−76	4	20	4	Screw−Self TAP
32105−12	3	14	1	Screw−Hex
32105−14	4	7	4	Screw−HH
32112−17	6	28	8	Pushnut
32121−4	2	33	2	Pin−Roll
32128−10	2	28	2	Nut−Lock HHF
32128−21	3	28	4	Nut−Hfh
32128−42	5	33	4	Nut−Hex Flange
32149−7	1	28	1	Nut−Keps
32151−3	2	8	4	Ring−Retaining
32151−80	3	19	2	Ring−Push On
33023−00	3	31	2	Nut−Lock
340−4	6	3	4	Fitting−Hydraulic
340−6	6	23	4	Fitting−Hydraulic
354−115	6	8	2	Fitting−Hydraulic
354−116	6	4	2	Fitting−Hydraulic
354−117	6	40	2	Fitting−Hydraulic
354−118	6	14	2	Fitting−Hydraulic

*Not Illustrated

MAINTENANCE RECORD

Date								

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Date								