



Proline

**16 HP B/S Mid-Size
Hydo Traction Unit**

Model No. 30189 – 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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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

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.

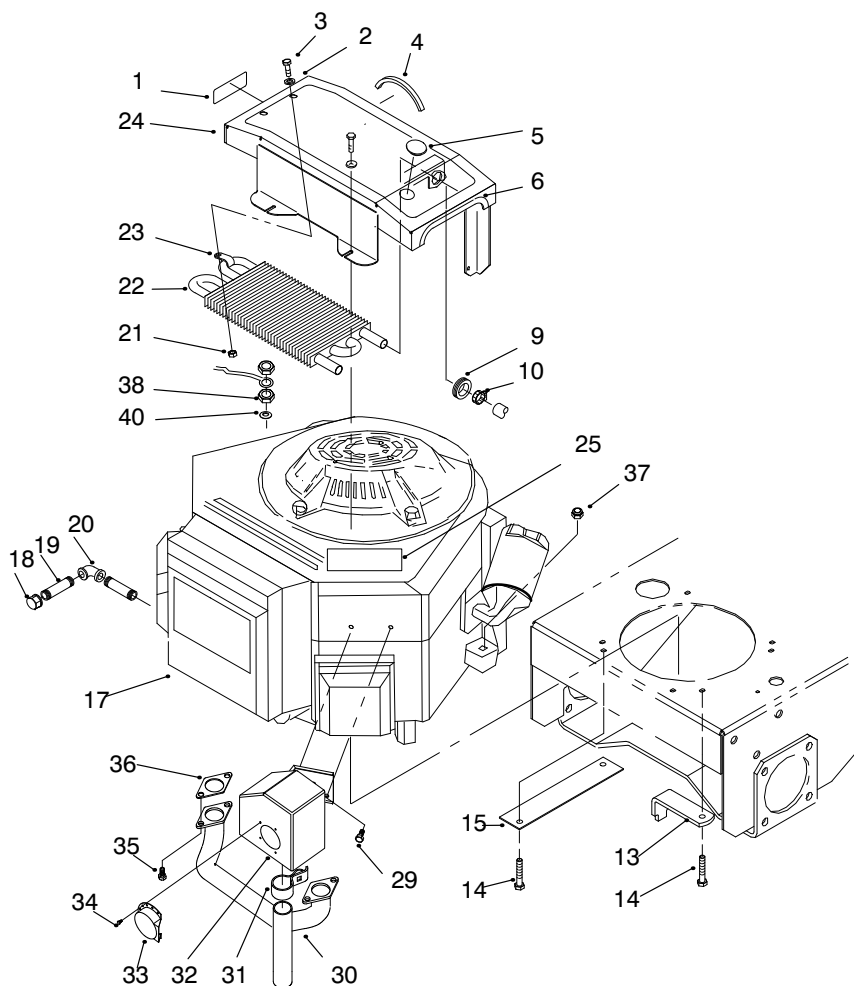
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

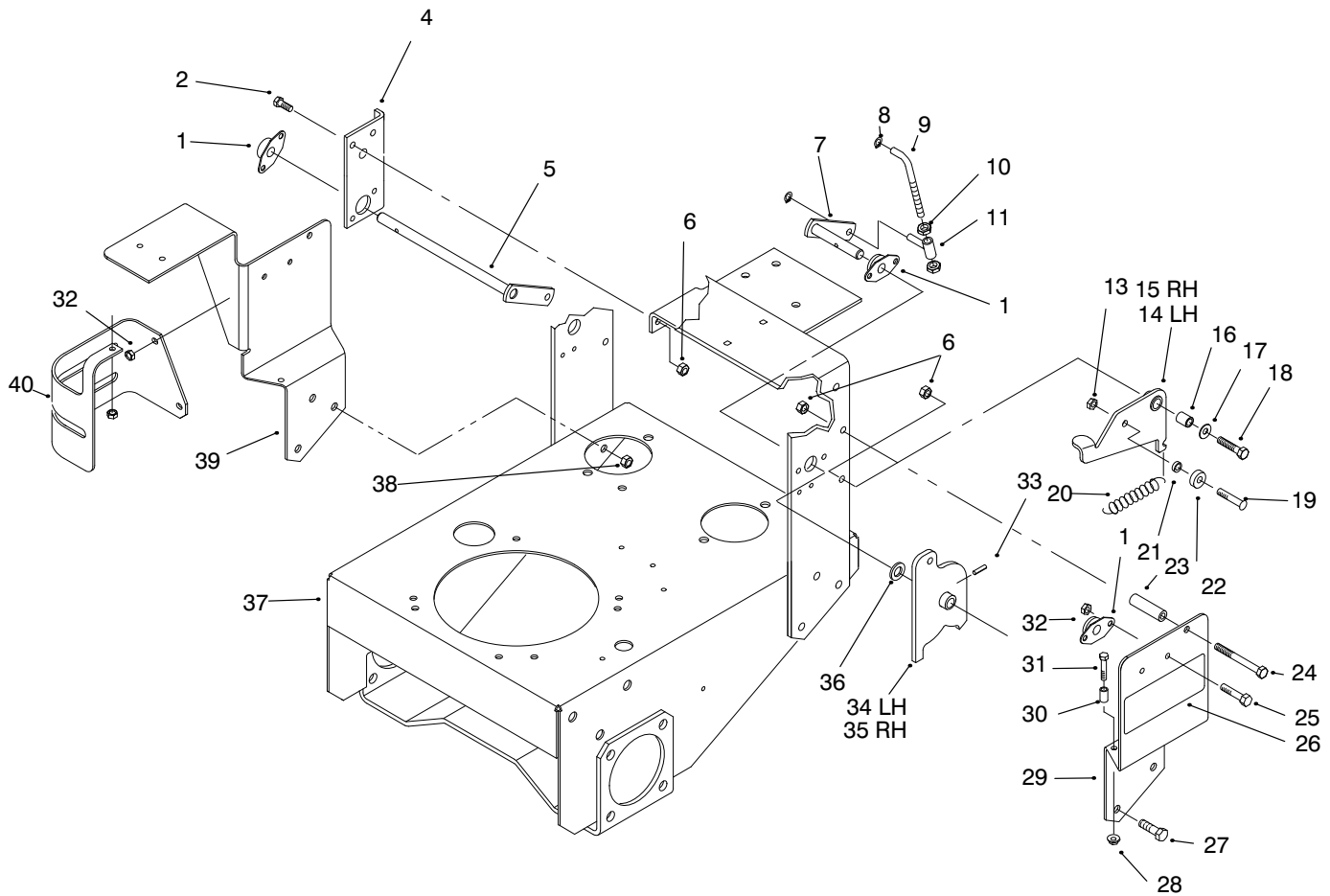
For example, the illustration callout 4 (2) indicates that two parts are used in that instance.



Sheet No.: 3

16 HP Engine & Oil Cooler

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-2814	1	Decal-Fuel Shut-Off	33	94-6782	1	Deflector (Supp w/Eng)
2	3256-1	6	Washer-Flat	34	94-6783	4	Screw(Supplied w/Eng)
3	321-39	6	Screw-HH	35	94-5845	4	Screw (Supplied w/Eng)
4	95-1547	1	Trim-Edge	36	94-5844	2	Gasket (Supplied w/Eng)
5	2410-71	2	Cap-Plug	37	3296-29	3	Nut-Lock
6	29-0642	1	Jiffy-Trim	38	3217-6	2	Nut-Hex
9	240-9	2	Grommet	40	3255-8	1	Washer-Lock
10	2412-136	2	Clamp				
13	51-4540-03	1	Retainer-Clutch				
14	322-9	4	Screw-HH				
15	94-5847-01	1	Guard-Engine Pulley				
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	63-8440	1	Decal-Hot Surface				
29	94-5846	2	Screw (Supplied w/Eng)				
30	94-5842	1	Exhaust Manifold				
31	94-5843	1	Clamp-Muffler				
32	94-5841	1	Muffler (Supplied w/Eng)				

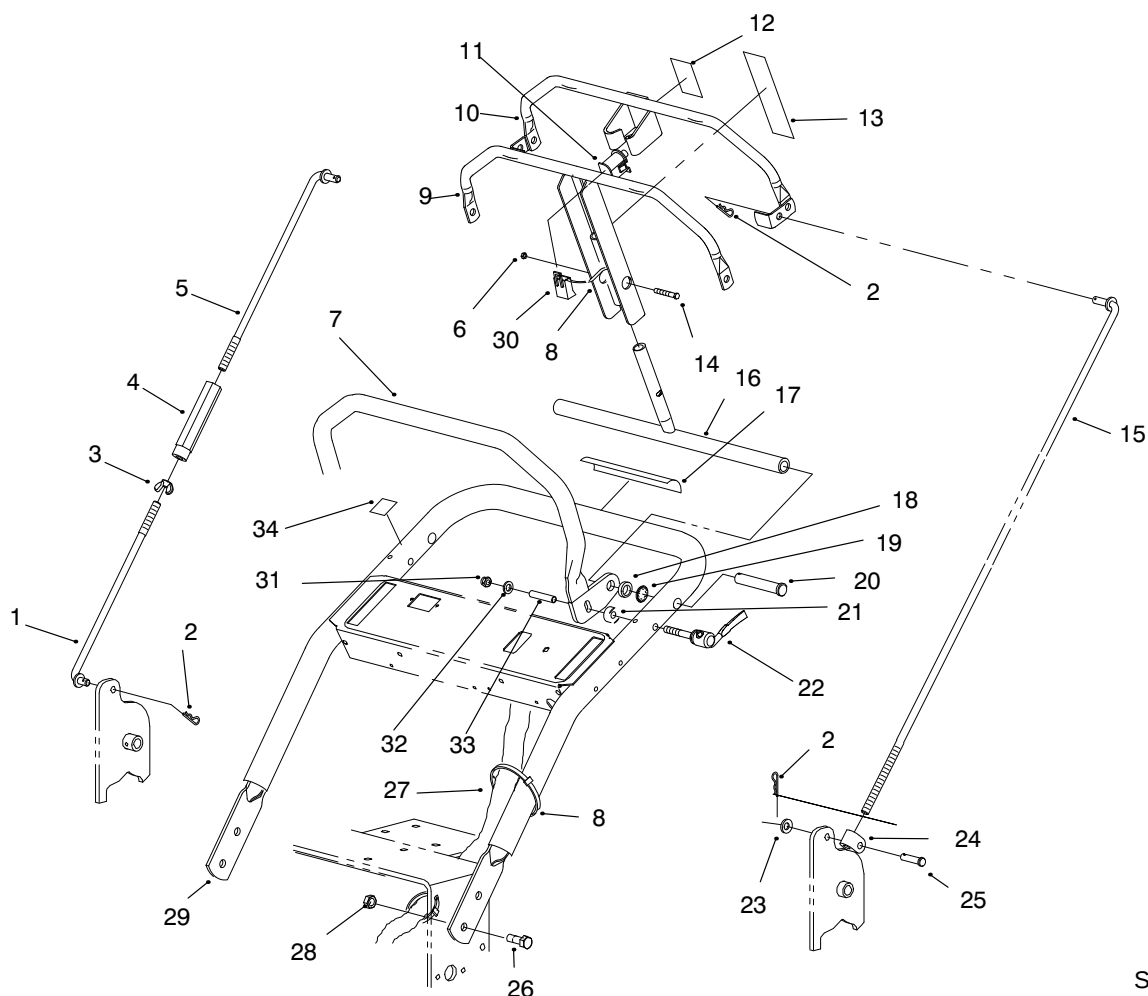


Sheet No.: 5

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

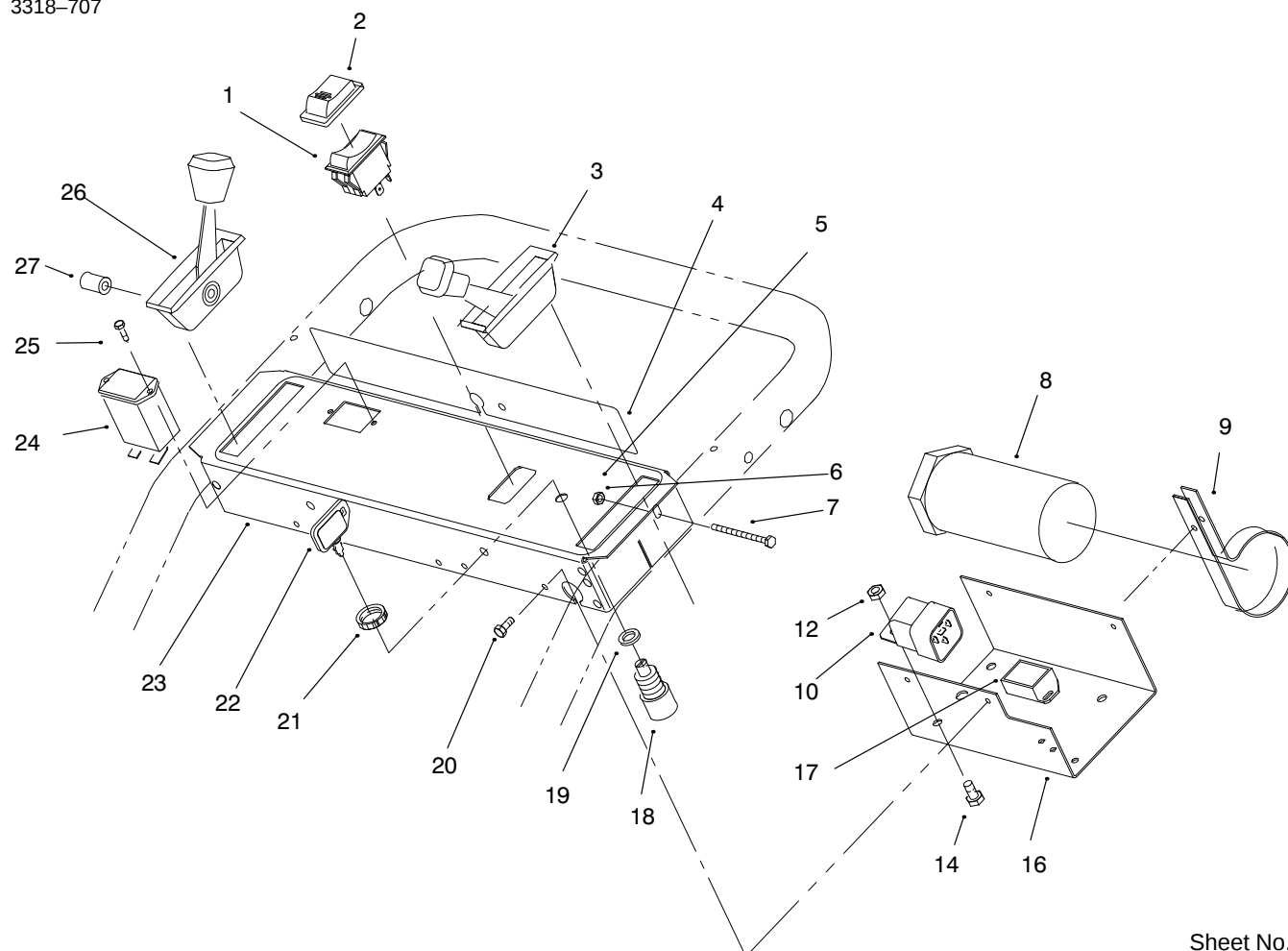
Ref. No.	Part No.	Qty.	Description
28	32128-10	2	Nut-Lock HHF
29	95-1530-01	1	Bracket-Pivot
30	95-1516	2	Spacer-Tubular
31	321-8	2	Screw-HH
32	3296-42	11	Nut-Lock
33	32121-4	2	Pin-Roll
34	94-9054-01	1	Arm-Pivot LH
35	94-9061-01	1	Arm-Pivot RH
36	257-5	2	Washer-Thrust
37	94-9096-01	1	Frame ASM
38	3296-39	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	Ref. No.	Part No.	Qty.	Description
1	95-1506	1	Rod-Control	26	3234-11	4	Screw-HHF
2	3290-307	4	Pin-Cotter	27	95-2806	1	Harness-Wire
3	32103-3	1	Nut-Wing	28	32128-21	4	Nut-Hfh
4	95-1504	1	Turnbuckle	29	95-5856-03	1	Handle-Upper
5	95-1505	1	Rod-Control	30	218-595	1	Connector-Body
6	3296-2	1	Nut Lock	31	33023-00	2	Nut-Lock Ni
7	95-1536	1	Handle ASM	32	3290-436	2	Washer-Belleville
8	3290-378	3	Tie-Cable	33	95-5854	2	Sleeve
9	95-1507-03	1	Control Bar ASM	34	95-5862	1	Decal-Speed Lock
10	95-1510-03	1	Bail ASM				
11	82-2190	1	Switch-Bail				
12	95-1523	1	Decal-Traction Drive				
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	82-4590	1	Decal-Slope Warning				
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				

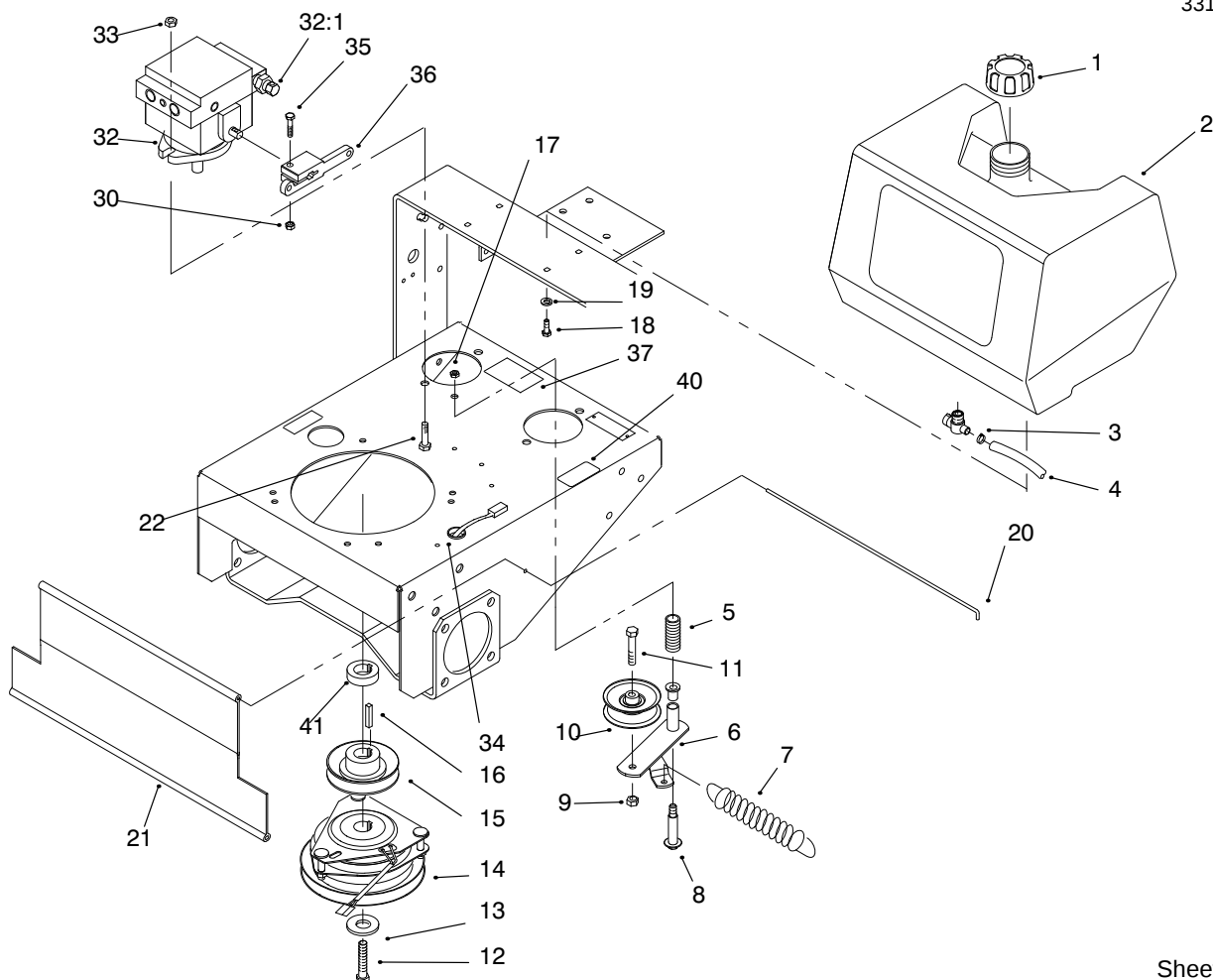


Sheet No.: 7

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	95-1544	1	Decal-Warning
5	95-5858	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

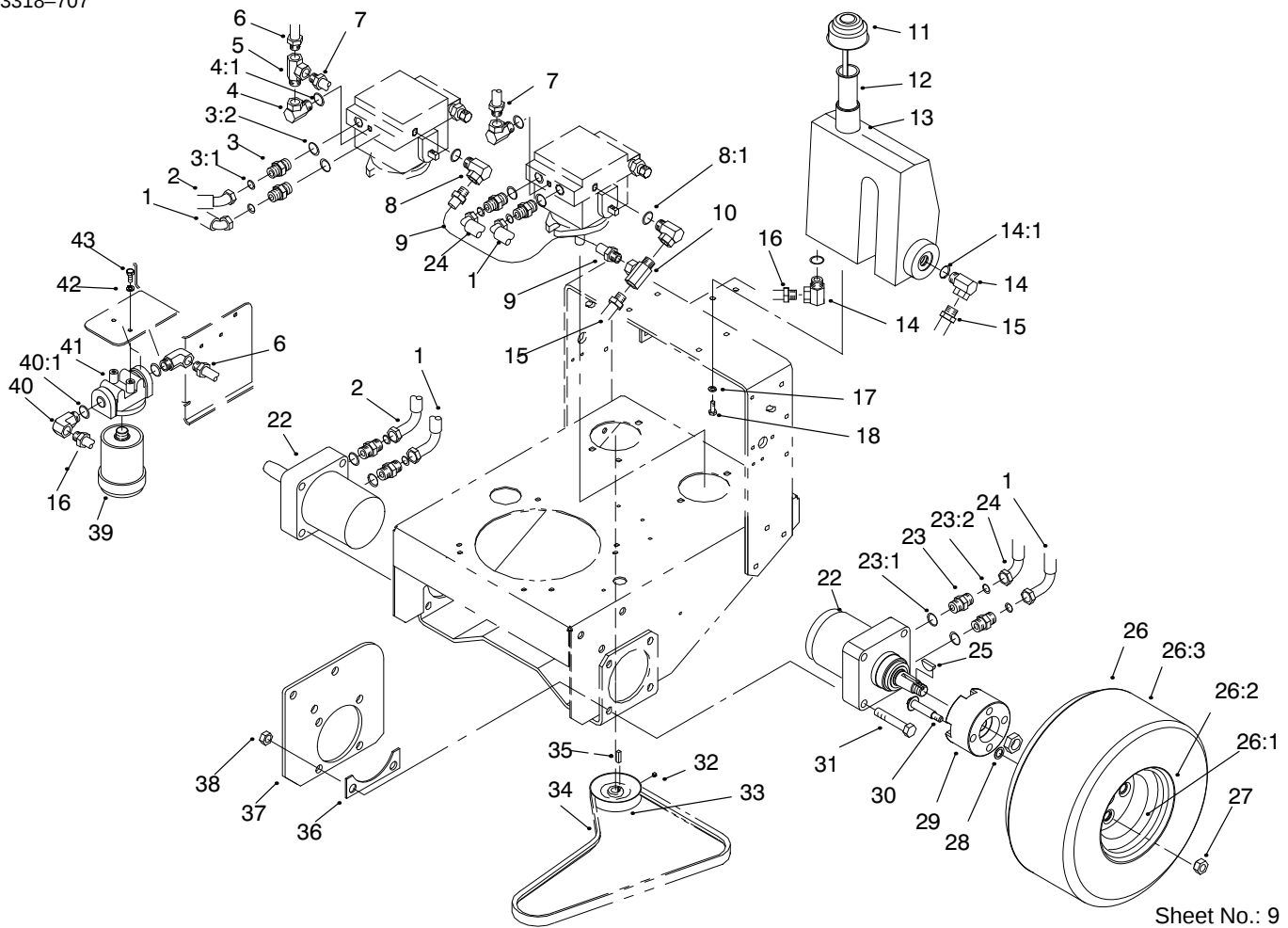
Ref. No.	Part No.	Qty.	Description



Sheet No.: 8

Fuel Tank, Hydro Pump & PTO

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	55-3570	1	Cap-Fuel	34	237-124	1	Grommet
2	95-2802	1	Tank-Fuel	35	322-7	2	Screw-HH
3	2412-98	2	Clamp-Hose	36	82-3790	2	Arm-Control
4	47-2980	1	Fuel Line (.25id X 6.25)	37	95-1543	1	Decal-Valve Adjust
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				
20	95-1529	1	Rod-Shield				
21	95-1526	1	Trailing Shield				
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				

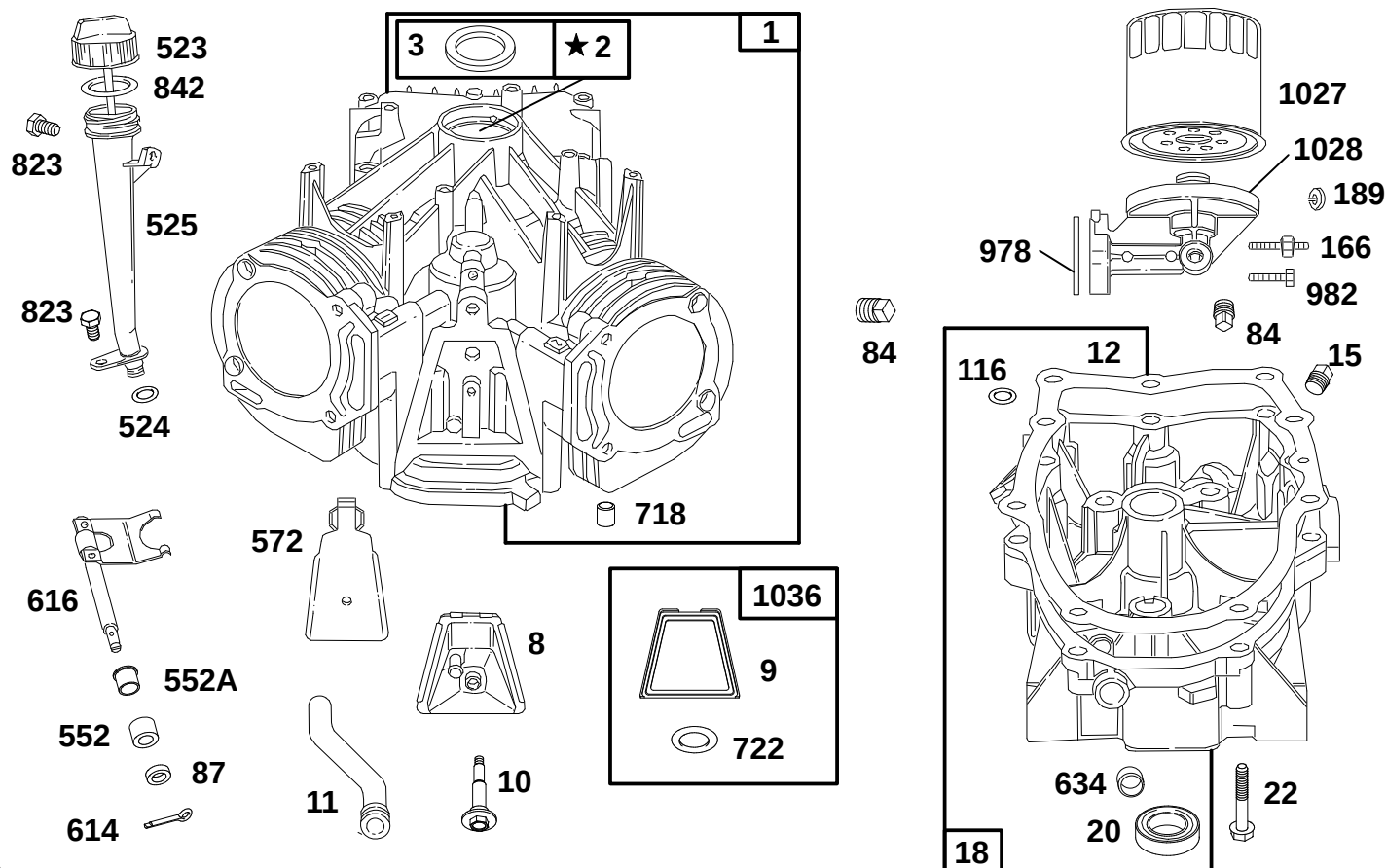


Sheet No.: 9

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	94-9664	2	ASM-Wheel & Tire
26:1	232-27	2	Valve Stem & Cap Assembly
26:2	242-87	2	Wheel
26:3	231-117	2	Tire-15x6
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



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

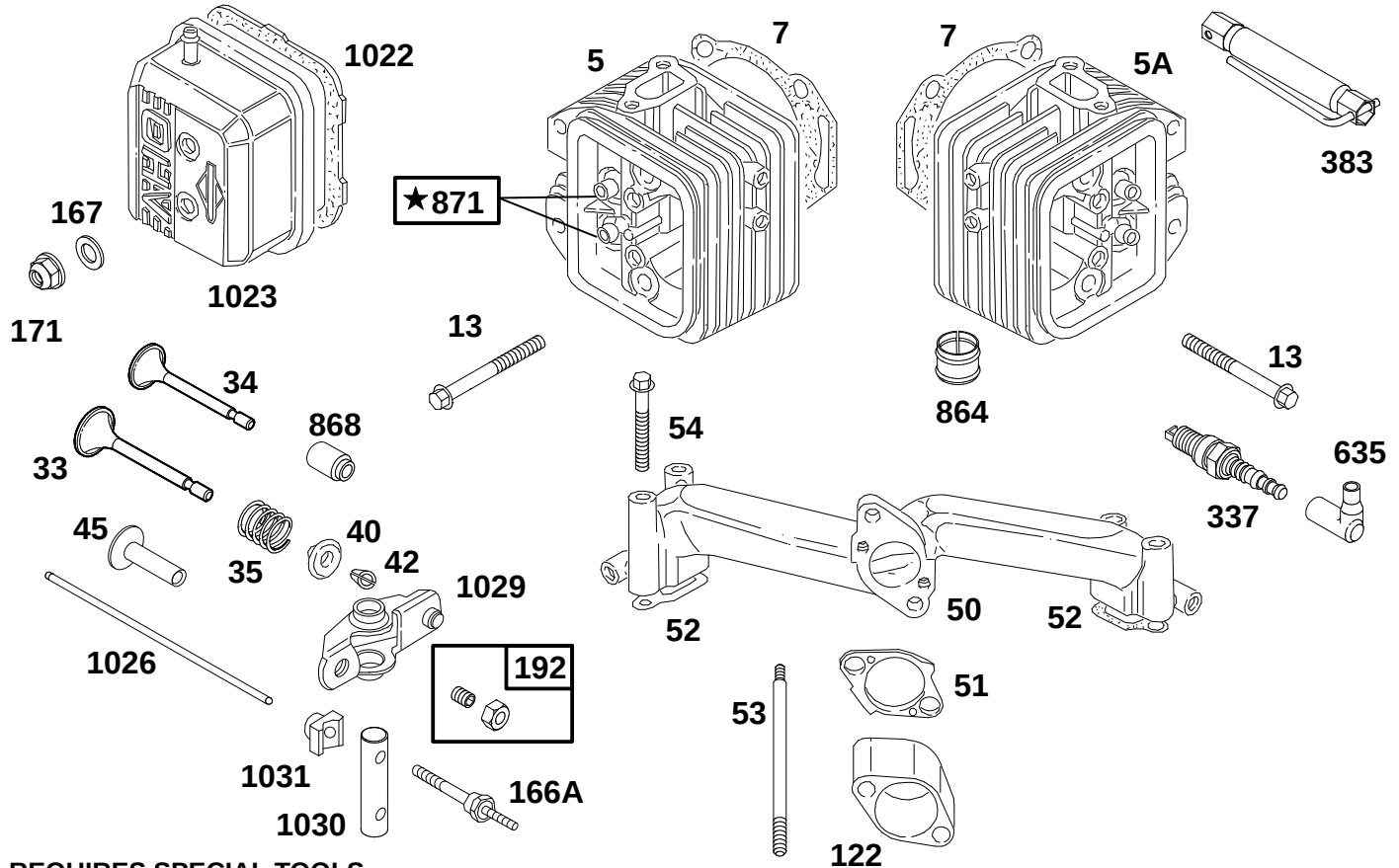
Assemblies include all parts shown in frames.

1019 LABEL KIT

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	805511	Cylinder Assembly	1	525	807611	Tube—Oil Fill	1
2	805107	Bearing—Cylinder	1	552	805412	Bushing—Governor Crank	1
★3	805101	Seal—Oil	1	552A	805413	Bushing—Governor Crank	1
8	807795	Breather Assembly	1	572	805197	Baffle—Oil	1
★9	805379	Gasket—Breather	1	614	805417	Pin—Cotter	1
10	805751	Screw—Shoulder	1	616	807596	Crank—Governor	1
11	805362	Tube—Breather	1	634	805416	Seal—Governor	1
★12	805112	Gasket—Crankcase	1	718	805103	Pin—Dowel	1
15	805048	Plug—Oil Drain	1	722	★	Seal—O-Ring (Sold in Kit Only)	1
18	807638	Sump—Engine	1	823	805317	Screw—Hex.	1
★20	805049	Seal—Oil	1	★842	270920	Seal—Oil Fill Cap	1
22	805696	Screw—Hex.	1	★978	805250	Gasket—Adapter	1
84	91488	Plug—Pipe	1	982	805030	Screw—Hex.	1
★87	805054	Seal—Governor Shaft	1	1019	808036	Label Kit	1
★116	805198	Seal—O-Ring	1	1027	492932	Filter—Oil	1
166	805073	Stud—Hex. Drive	1	1028	805292	Adapter—Filter	1
189	805449	Washer—Lock	1	1036	807688	Gasket Set—Breather	1
523	807985	Cap—Oil Fill	1				
★524	805011	Seal—Fill Tube	1				

★ Included in Gasket Set—Part No. 807989.



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

Assemblies include all parts shown in frames.

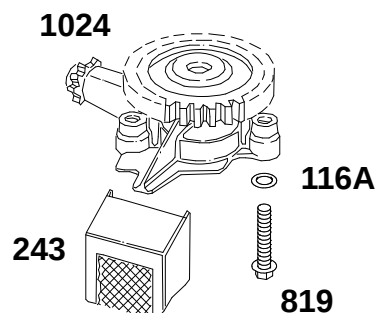
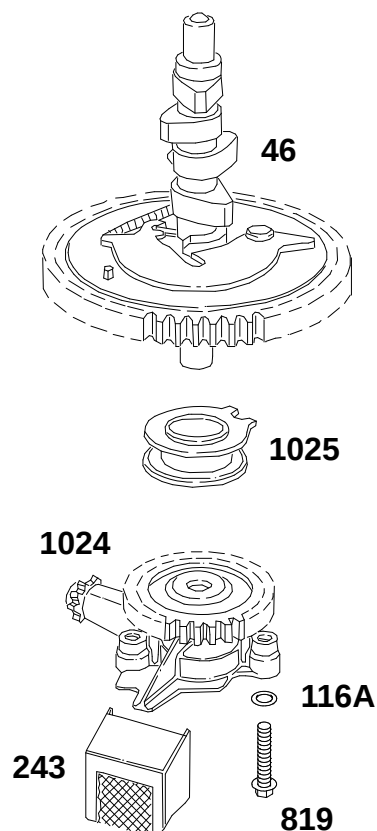
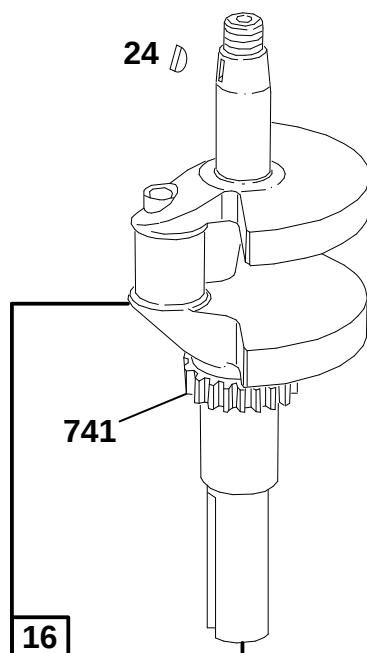
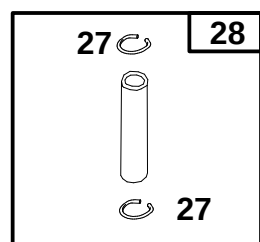
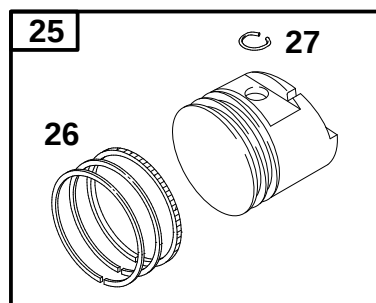
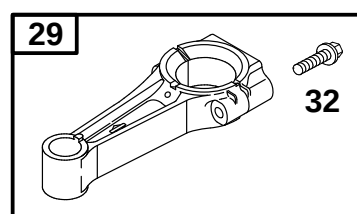
ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

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

Ref. No.	Part No.	Description	No. Used
171	805019	Nut—Lock	1
192	807623	Screw—Adjusting	1
337	491055	Plug—Spark	1
383	19374	Wrench—Spark Plug	1
635	805529	Boot—Spark Plug	1
864	805083	Adapter—Muffler	1
868	805094	Seal—Valve	1
871	805084	Bushing—Guide	1
Δ★1022	806039	Gasket—Rocker Cover	1
1023	805100	Cover—Rocker	1
1026	805352	Rod—Push (Intake, Steel)	1
		Note: 805617 Rod—Push (Exhaust, Aluminum)	1
1029	808096	Arm—Rocker	1
1030	805342	Shaft—Rocker Arm	1
1031	805341	Support—Rocker Arm	1

★ Included in Gasket Set—Part No. 807989.

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



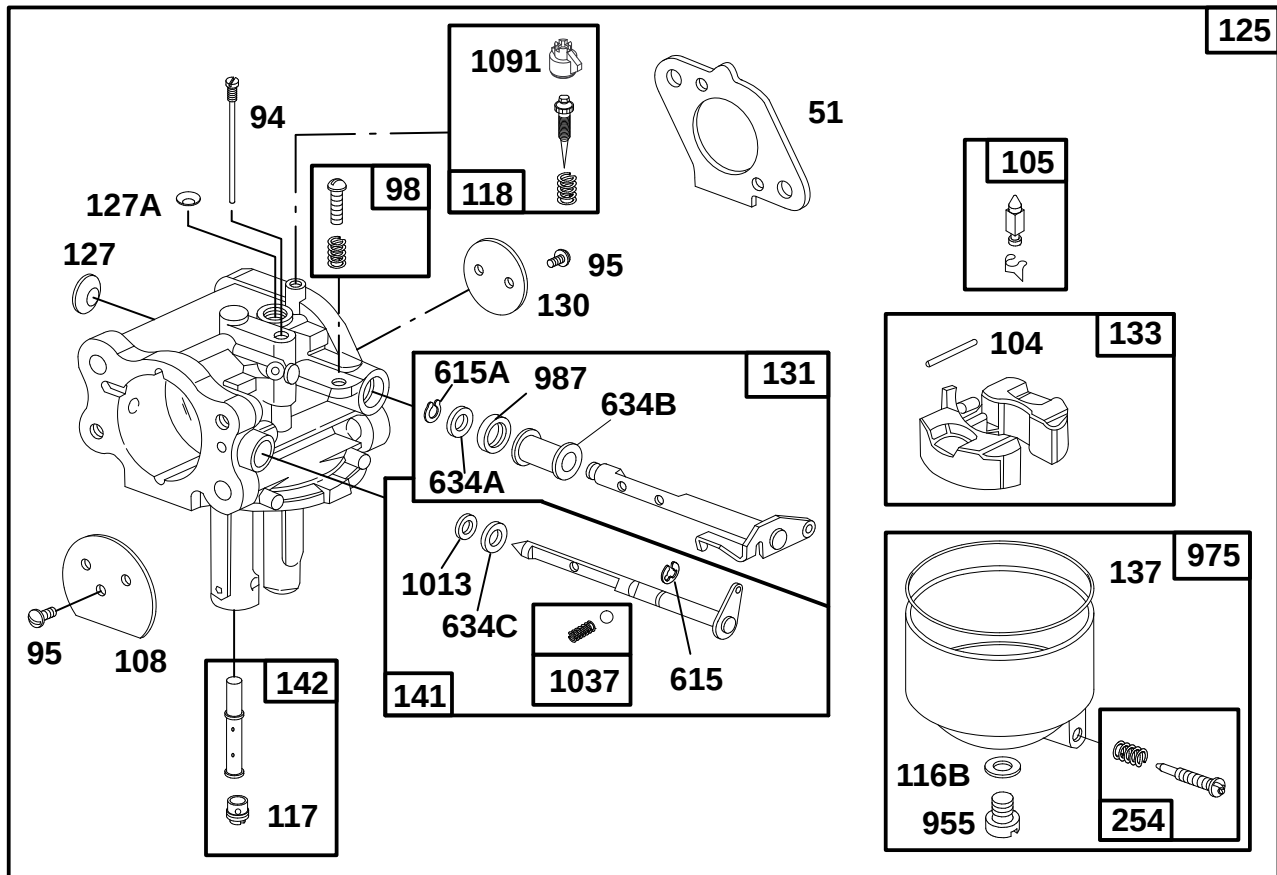
Assemblies include all parts shown in frames.

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.	1
24	806066	Key—Flywheel	1
25	807619	Piston Assembly (Standard)	1
	807807	Piston Assembly (.010" O.S.)	1
	807809	Piston Assembly (.020" O.S.)	1
	807811	Piston Assembly (.030" O.S.)	1
26	807620	Ring Set (Standard)	1
	807808	Ring Set (.010" O.S.)	1
	807810	Ring Set (.020" O.S.)	1
	807812	Ring Set (.030" O.S.)	1

Ref. No.	Part No.	Description	No. Used
27	805099	Lock—Piston Pin	1
28	807621	Pin—Piston (Standard)	1
	807803	Pin—Piston (.020" U.S.)	1
29	807900	Rod—Connecting 807803 Rod—Connecting (.020" Undersize)	1
32	805395	Screw—Hex.	1
46	807542	Gear—Cam	1
★116A	805058	Seal—O-Ring	1
243	805964	Screen—Oil	1
741	805894	Gear—Timing	1
819	805057	Screw—Hex.	1
1024	807546	Pump—Oil	1
1025	805313	Spool—Governor	1

★ Included in Gasket Set—Part No. 807989.



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

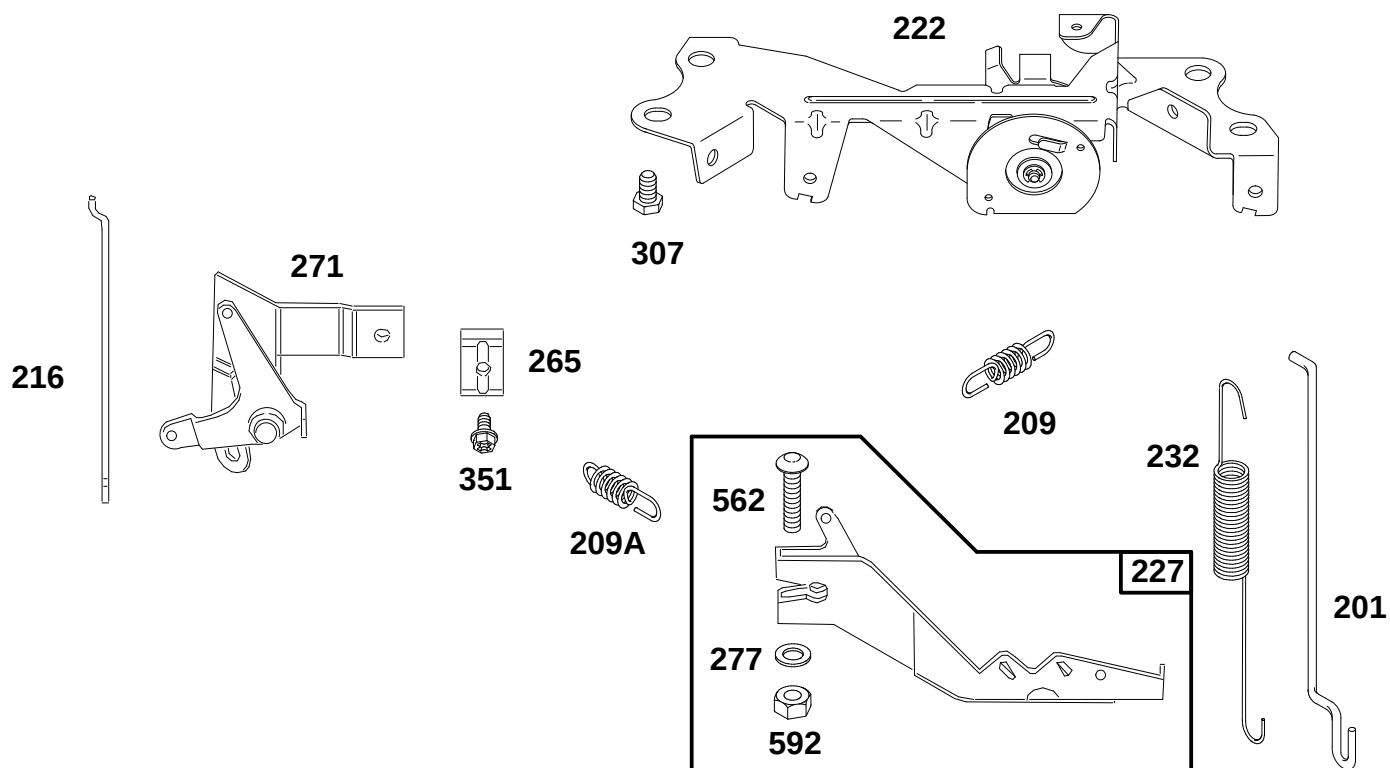
Ref. No.	Part No.	Description	No. Used
★51	805700	Gasket—Intake	1
●94	805777	Tube—Jet	1
95	805561	Screw—Slotted	1
98	807705	Screw—Idle Speed	1
●104	805586	Pin—Float Hinge	1
●105	807706	Valve—Needle	1
108	805562	Valve—Choke	1
◆◆116B		Gasket—Plug (Sold in Kit Only)	1
●117		Jet—Main (Sold in Kit Only)	1
●118	808258	Valve—Idle Adjustment	1
125	808255	Carburetor	1
●127	805570	Plug—Welch	1
●127A	805571	Plug—Welch	1
130	805572	Valve—Throttle	1
131	808323	Shaft—Throttle	1

Ref. No.	Part No.	Description	No. Used
133	807710	Float—Carburetor	1
◆◆137		Gasket—Float Bowl (Sold in Kit Only)	1
◆◆141	807711	Shaft—Choke	1
●142	807960	Nozzle—Carburetor	1
254	807713	Drain—Carburetor Bowl	1
●615	805578	Retainer	1
●615A	805577	Retainer	1
●634A	805576	Collar—Throttle Shaft	1
●634B	805574	Collar—Throttle Shaft	1
●634C	805580	Collar—Throttle Shaft	1
955	807714	Plug	1
975	807715	Bowl—Float	1
◆◆987	806079	Seal—Throttle Shaft	1
◆◆1013	805581	Seal—Choke Shaft	1
●1037	807717	Ball—Choke Locator	1
●1091	805858	Cap—Limiter	1

★ Included in Gasket Set—Part No. 808989.

● Included in Carburetor Kit—Part No. 808324.

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

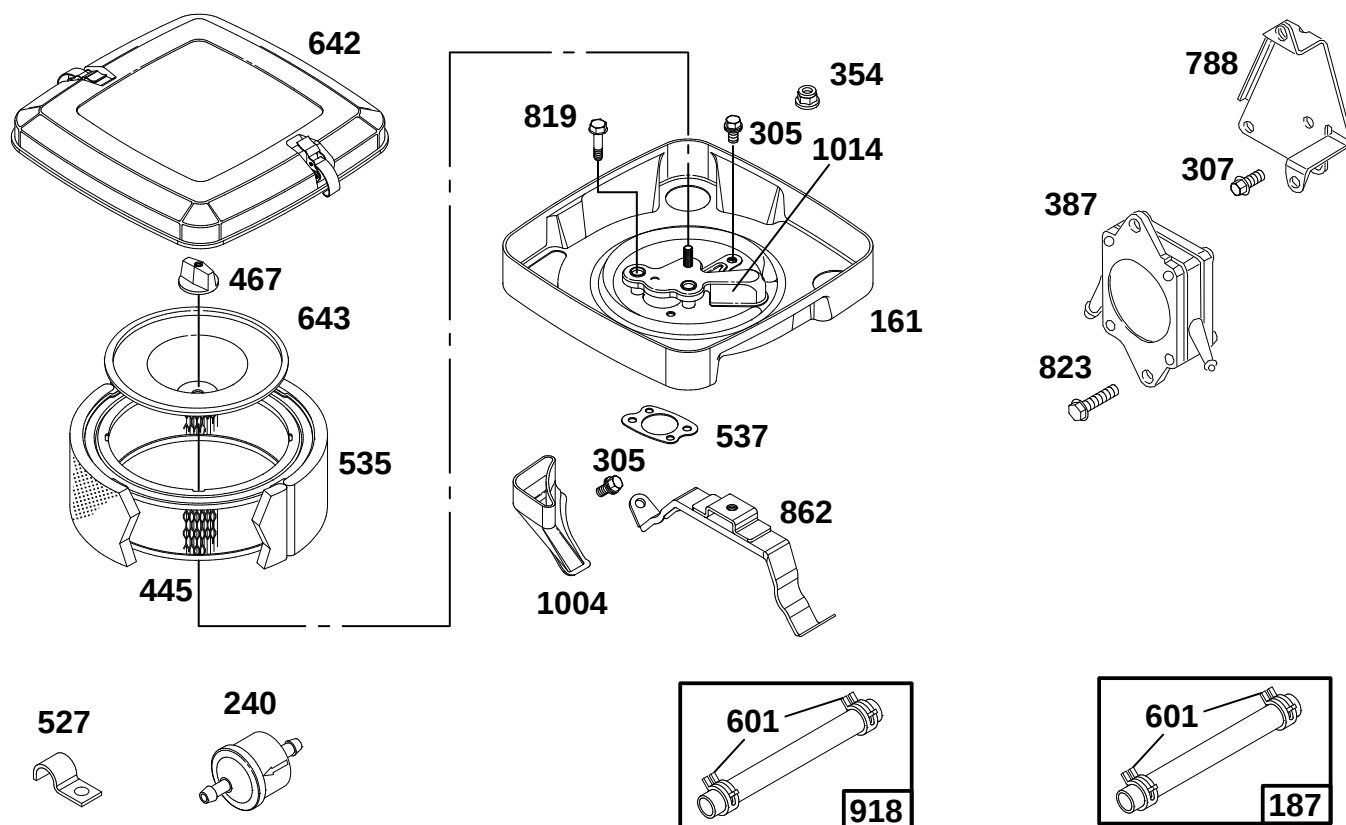


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used
201	805480	Link	1
209	805463	Spring – Governor	1
209A	805453	Spring – Governor Idle	1
216	805439	Link	1
222	808195	Bracket – Control	1
227	807528	Lever – Governor	1
232	805465	Spring – Link	1

Ref. No.	Part No.	Description	No. Used
265	221535	Clamp – Casing	1
271	808145	Lever – Control	1
277	805018	Washer	1
307	805025	Screw – Hex.	1
351	805169	Screw – Phillips Hex.	1
562	805381	Bolt – Carriage	1
592	805383	Nut – Hex.	1



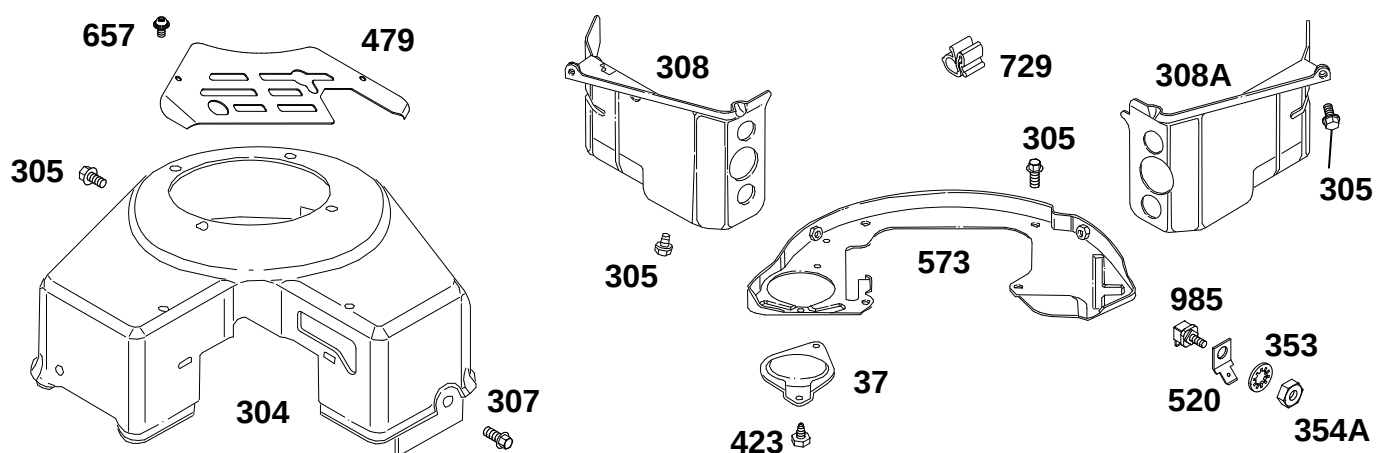
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used
161	807857	Base—Air Cleaner	1
187	296004	Line—Fuel (Cut to Required Length)	1
240	493629	Filter—Fuel	1
305	805406	Screw—Hex.	1
307	805025	Screw—Hex.	1
354	810078	Nut—Hex.	1
387	808322	Pump—Fuel	1
445	394018	Filter—Air	1
467	491875	Knob	1
527	223167	Clamp—Tube	1
535	272490	Filter—Air	1

Ref. No.	Part No.	Description	No. Used
★537	808655	Gasket—Air Cleaner	1
601	93053	Clamp—Hose	1
642	807862	Cover—Air Cleaner	1
643	805631	Retainer—Air Filter	1
788	807685	Bracket—Pump	1
819	805057	Screw—Hex.	1
823	805317	Screw—Hex.	1
862	807859	Strap—Cleaner Mounting	1
918	393815	Line—Vacuum (Cut to Required Length)	1
1004	805632	Duct—Air	1
1014	807797	Shield—Carburetor	1

★ Included in Gasket Set—Part No. 495993.

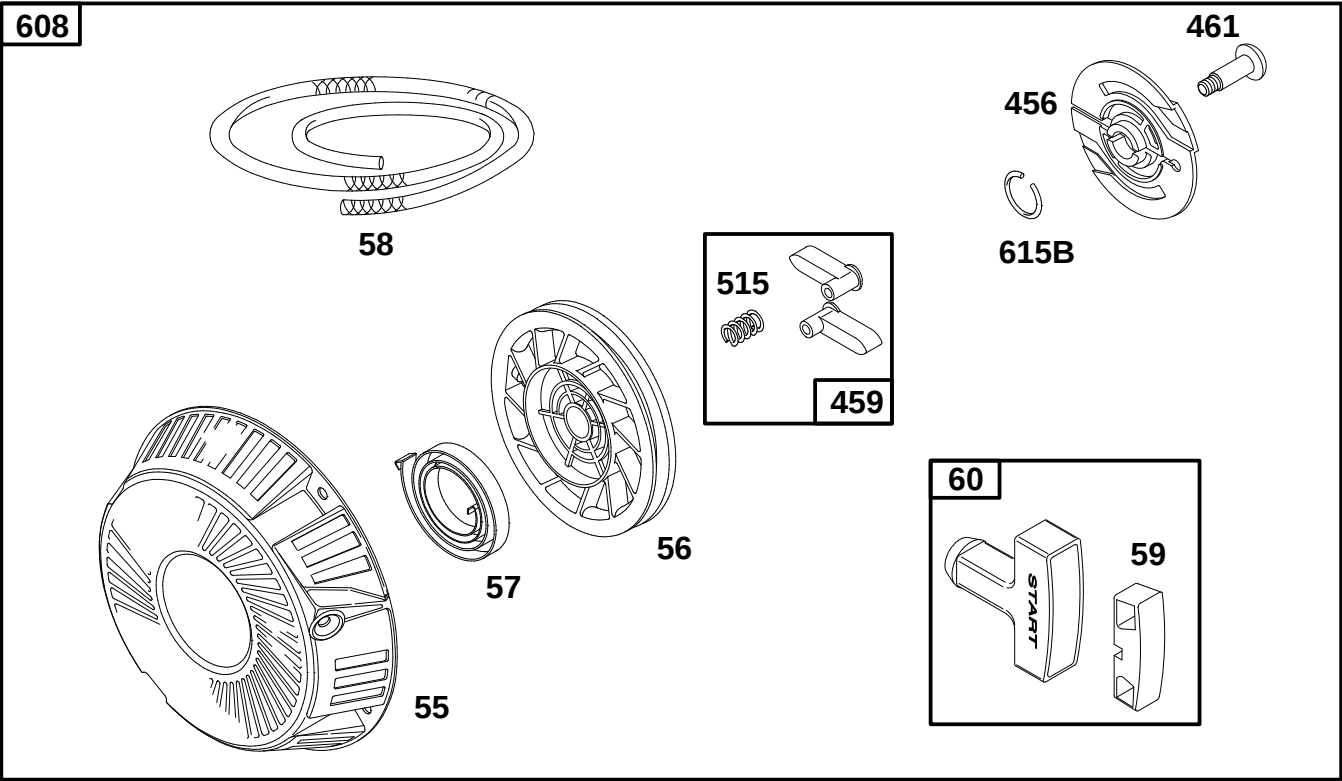


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

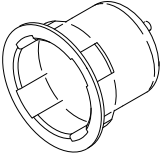
Ref. No.	Part No.	Description	No. Used
37	805506	Guard—Flywheel	1
304	808055	Housing—Blower	1
305	805406	Screw—Hex.	1
307	805025	Screw—Hex.	1
308	808309	Cover—Air Guide	1
308A	808098	Cover—Air Guide	1
353	92791	Washer—Lock	1
354A	90576	Nut—Hex.	1

Ref. No.	Part No.	Description	No. Used
423	805260	Screw—Phillips Hex.	1
479	805841	Cover—Carburetor	1
520	93722	Terminal	1
573	807663	Plate—Back	1
657	805009	Screw—Phillips	1
729	280470	Clip—Wire	1
985	398525	Insulator	1



305

455

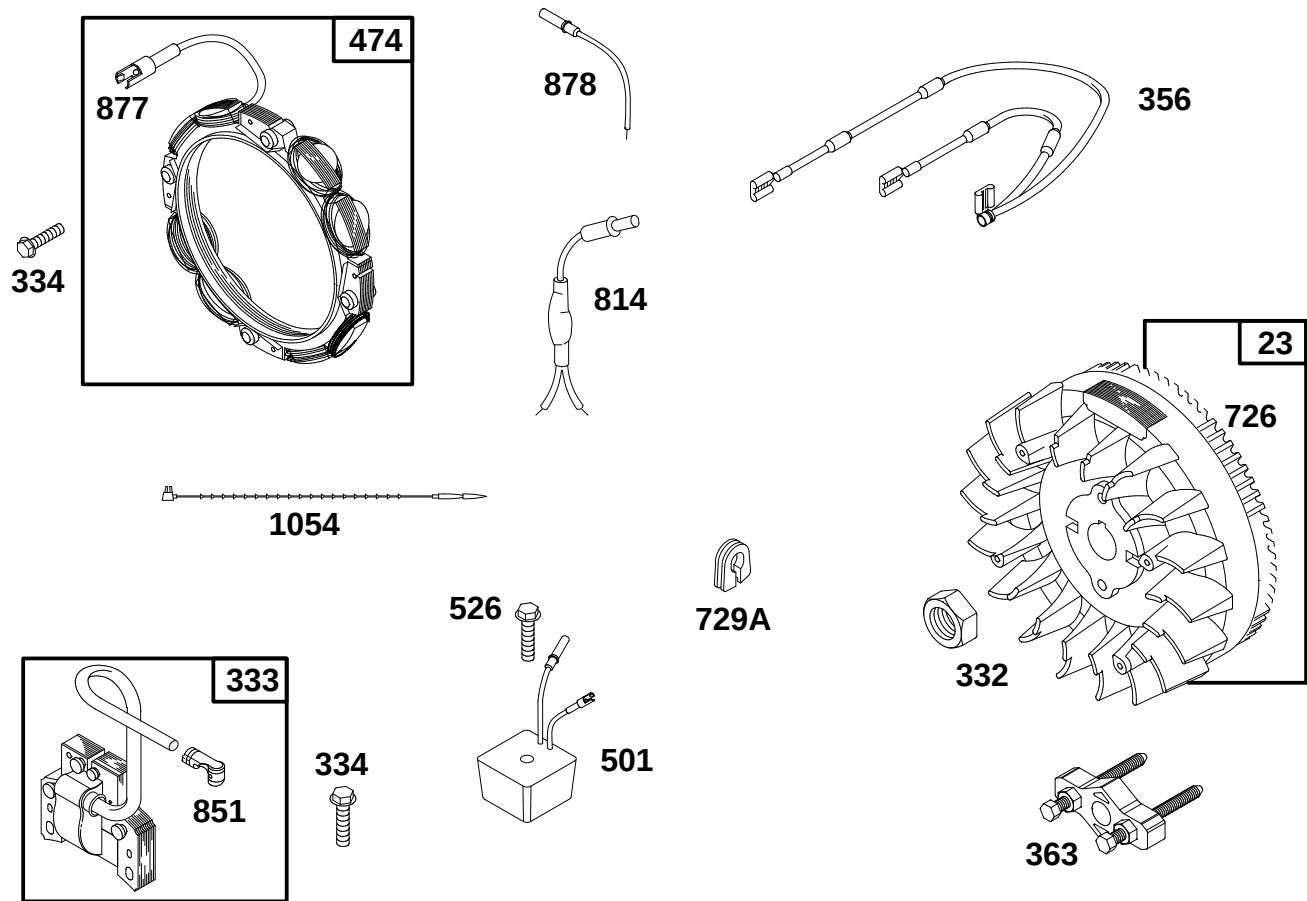


Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used
55	808186	Housing-Rewind Starter	1
56	805949	Pulley-Starter	1
57	805951	Spring-Rewind Starter	1
58	66574	Rope-Starter (Cut to 78-3/4")	1
59	805957	Insert-Rope	1
60	808167	Grip-Starter Rope	1
305	805406	Screw-Hex.	1

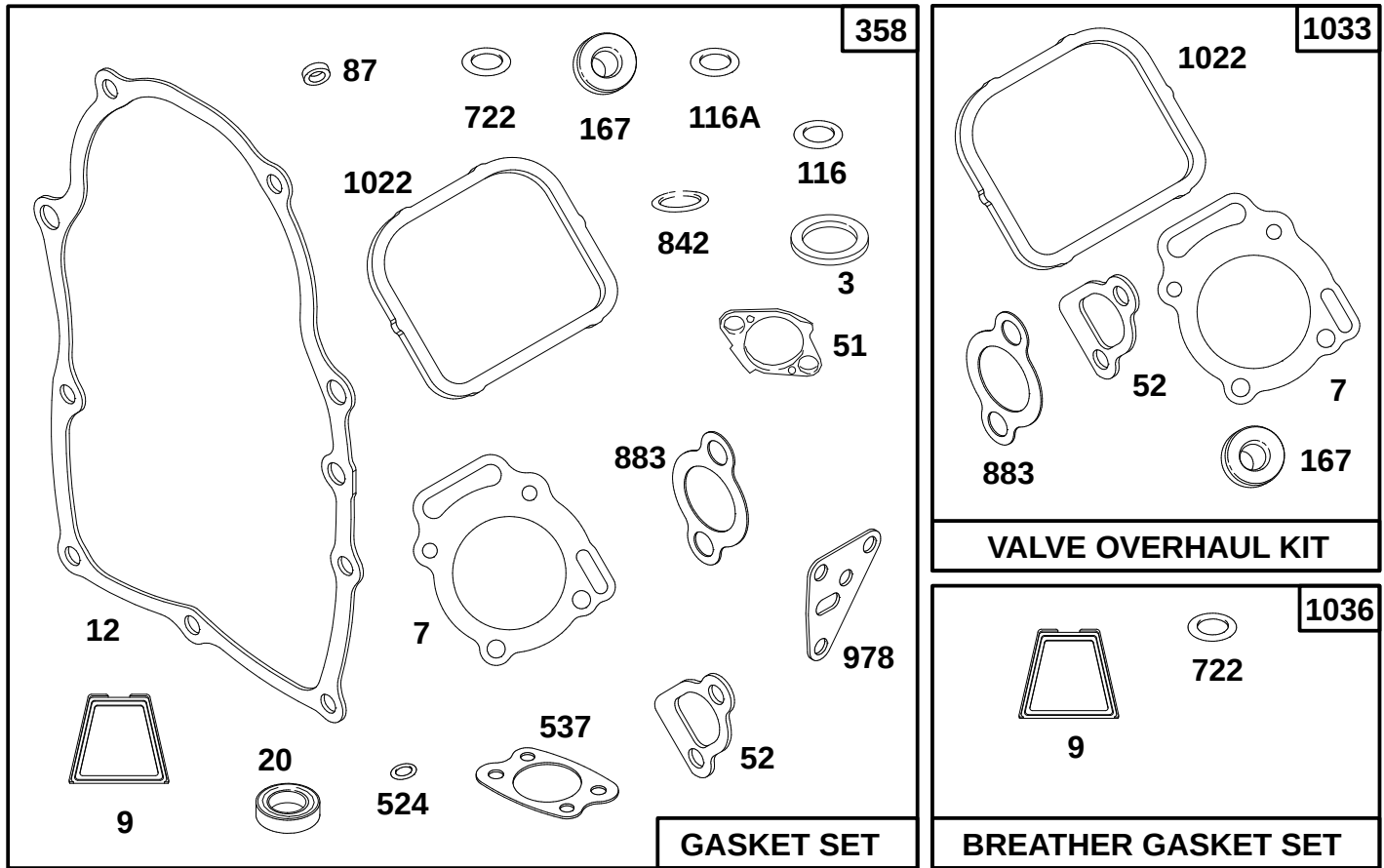
Ref. No.	Part No.	Description	No. Used
455	805876	Cup-Flywheel	1
456	805954	Retainer-Spring	1
459	808166	Pawl-Ratchet	1
461	805955	Screw-Shoulder	1
515	805953	Spring-Pawl	1
608	808087	Starter-Rewind	1
615B	805952	Ring-Retaining	1



Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
23	807531	Flywheel	1	526	805535	Screw-Hex.	1
332	806028	Nut-Flywheel	1	726	807805	Gear-Ring	1
333	492341	Armature-Magneto	1	729A	805641	Clip-Wire	1
334	805407	Screw-Hex.	1	814	392606	Harness-Alternator	1
356	493792	Wire-Stop	1	851	493880	Terminal-Cable	1
363	19203	Flywheel Puller	1	877	393537	Wire-Alternator	1
474	392595	Alternator	1	878	393422	Harness-Alternator	1
501	491546	Regulator	1	1054	270723	Tie-Cable	1



Assemblies include all parts shown in frames.

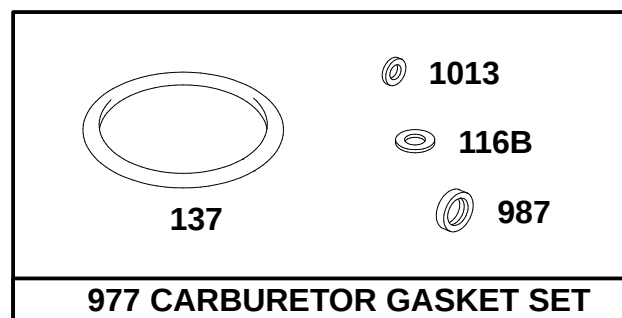
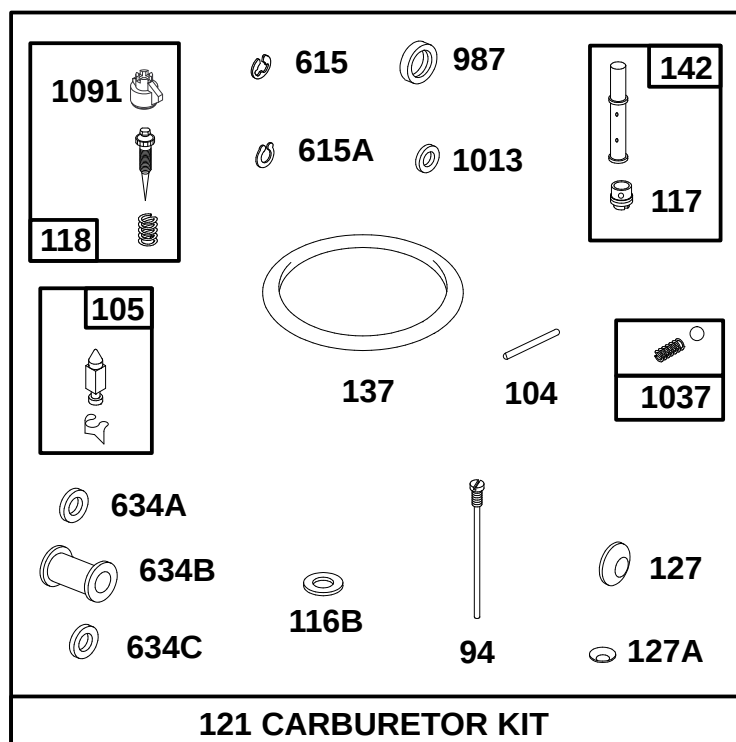
ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used
★3	805101	Seal—Oil	1
Δ★7	807986	Gasket—Cylinder Head	1
★9	805379	Gasket—Breather	1
★12	805112	Gasket—Crankcase	1
★20	805049	Seal—Oil	1
★51	805700	Gasket—Intake	1
Δ★52	805023	Gasket—Intake	1
★87	805054	Seal—Governor Shaft	1
★116	805198	Seal—O-Ring (Crankcase Cover)	1
★116A	805058	Seal—O-Ring (Oil Pump)	1
Δ★167	805420	Washer	1

Ref. No.	Part No.	Description	No. Used
		(Valve Cover)	1
358	807989	Gasket Set	1
★524	805011	Seal—Fill Tube	1
★537	805655	Gasket—Air Cleaner	1
★722		Seal—O-Ring (Oil Pump)	1
★842	270920	Seal—O-Ring	1
Δ★883	805024	Gasket—Exhaust	1
★978	805250	Gasket—Adapter	1
Δ★1022	806039	Gasket—Rocker Cover	1
1033	807990	Kit—Valve Overhaul	1
1036	807688	Gasket Set—Breather	1

★ Included in Gasket Set—Part No. 807989.

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



Assemblies include all parts shown in frames.

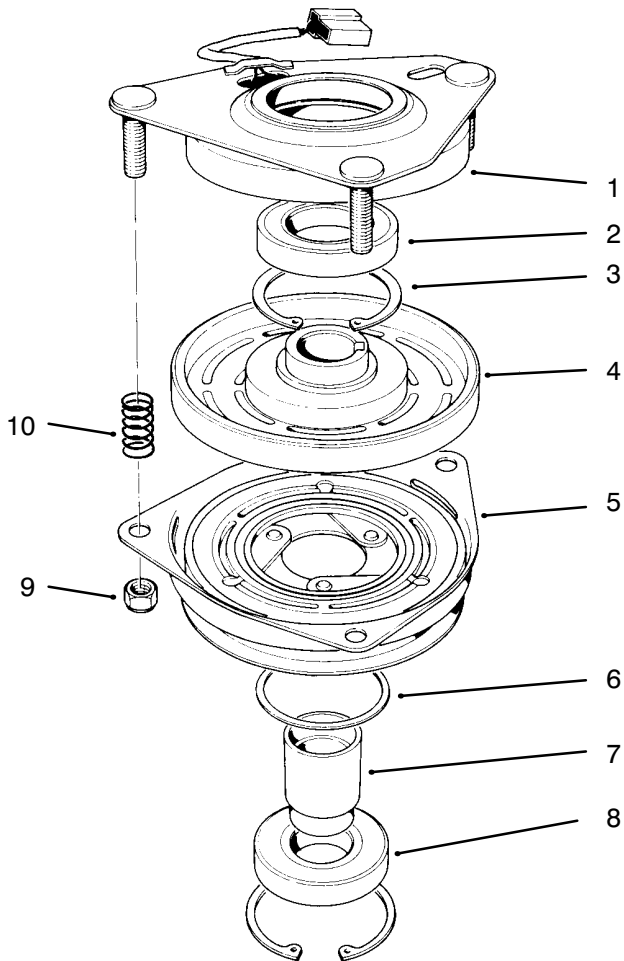
ENGINE BRIGGS & STRATTON MODEL 303776-1188-A1

Ref. No.	Part No.	Description	No. Used
●94	805777	Tube-Jet	1
●104	805586	Pin-Float Hinge	1
●105	807706	Valve-Needle	1
◆●116B		Gasket-Plug (Sold in Kit Only)	1
●118	808258	Valve-Idle Adjustment	1
●117		Jet-Main (Sold in Kit Only)	1
121	808324	Carburetor Kit	1
●127	805570	Plug-Welch	1
●127A	805571	Plug-Welch	1
◆●137		Gasket-Float Bowl	

Ref. No.	Part No.	Description	No. Used
		(Sold in Kit Only)	1
●142	807960	Nozzle-Carburetor	1
●615	805578	Retainer	1
●615A	805577	Retainer	1
●634A	805576	Collar-Throttle Shaft	1
●634B	805574	Collar-Throttle Shaft	1
●634C	805580	Collar-Throttle Shaft	1
977	808325	Gasket Set-Carburetor	1
◆●987	806079	Seal-Throttle Shaft	1
◆●1013	805581	Seal-Choke Shaft	1
●1037	807717	Ball-Choke Locator	1
●1091	805858	Cap-Limiter	1

● Included in Carburetor Kit-Part No. 808324.

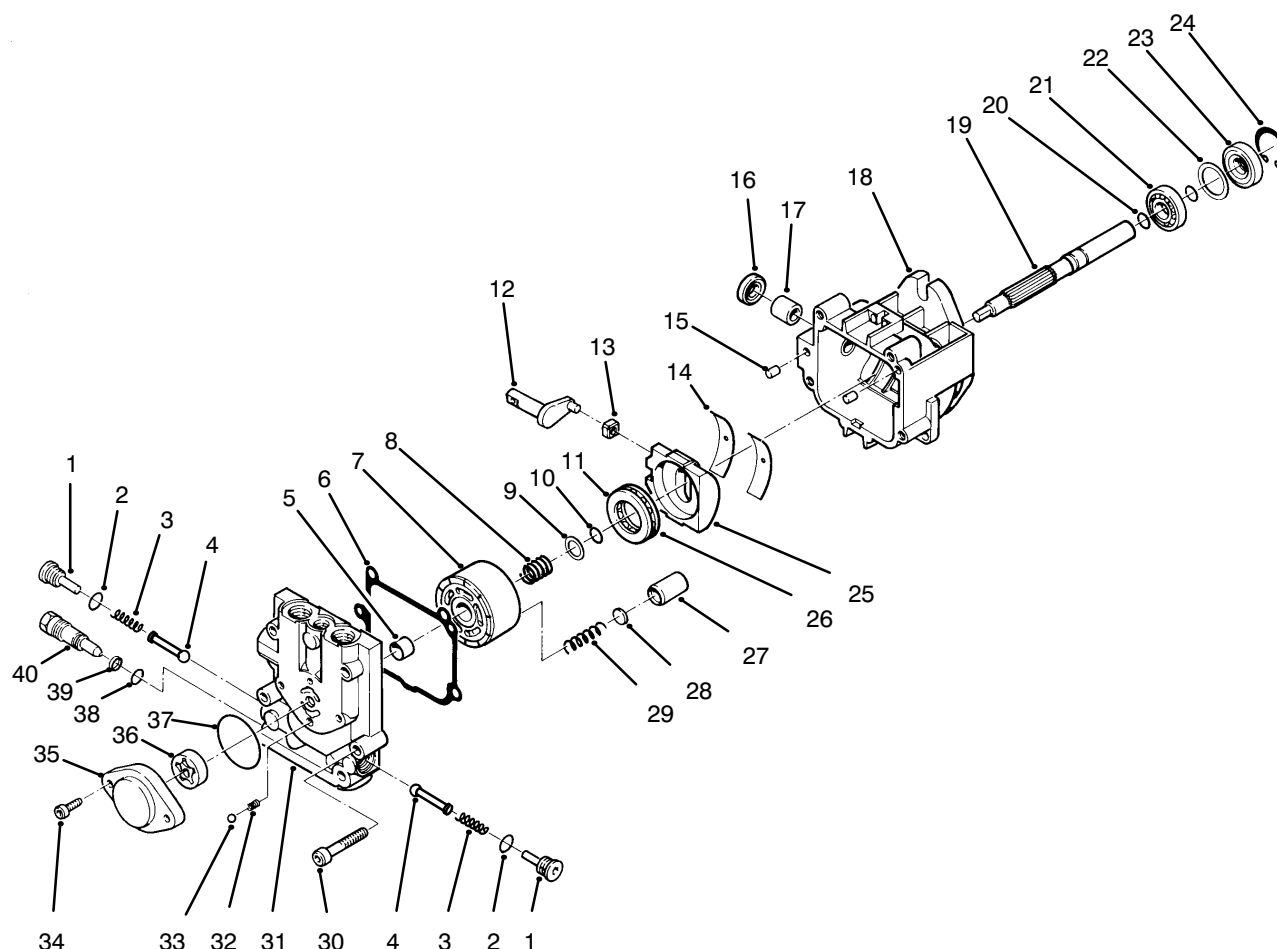
◆ Included in Carburetor Gasket Set-Part No. 808325.



T-0080

CLUTCH ASSEMBLY NO. 54-3200

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

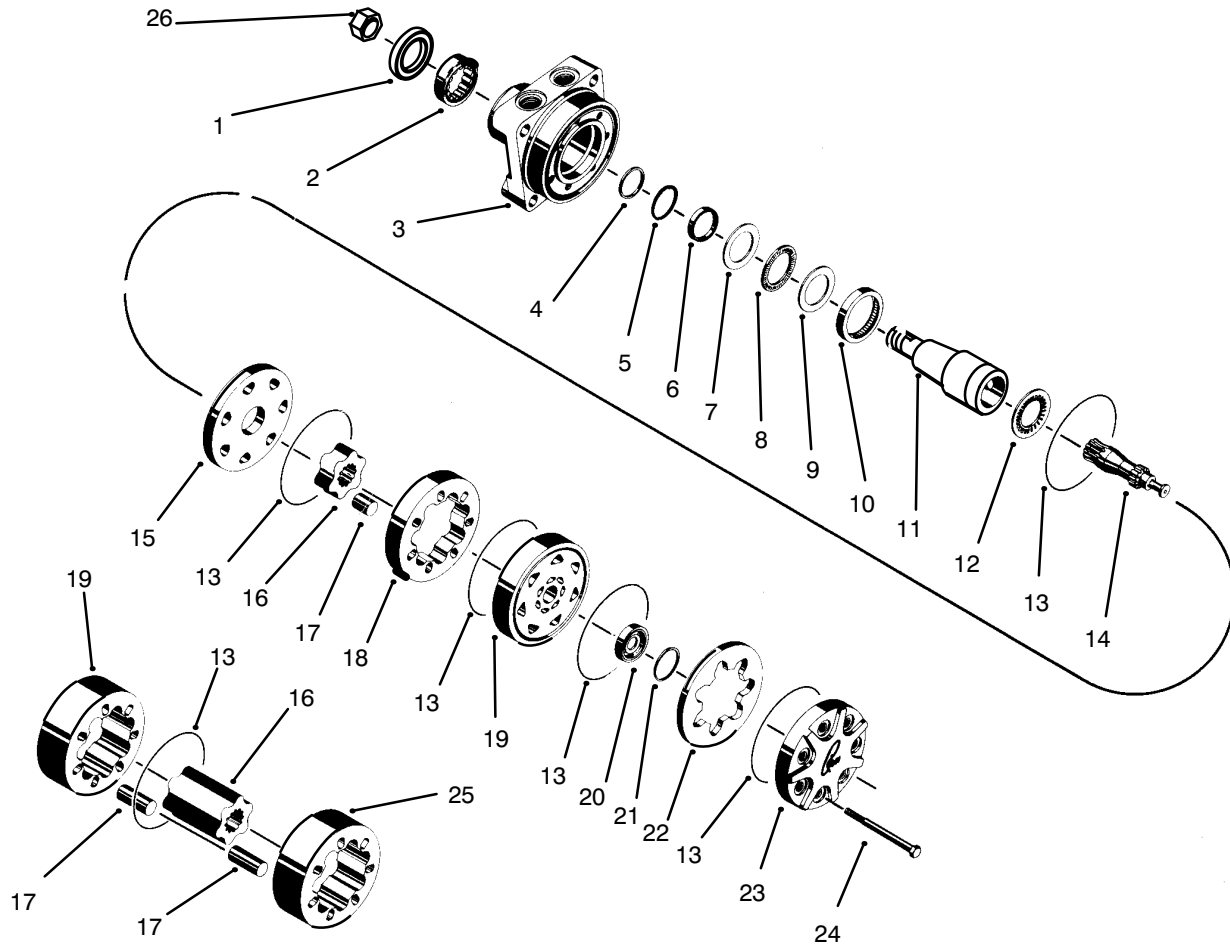


T-1236

Hydraulic Pump Assembly No. 95-1538

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

*Not Illustrated

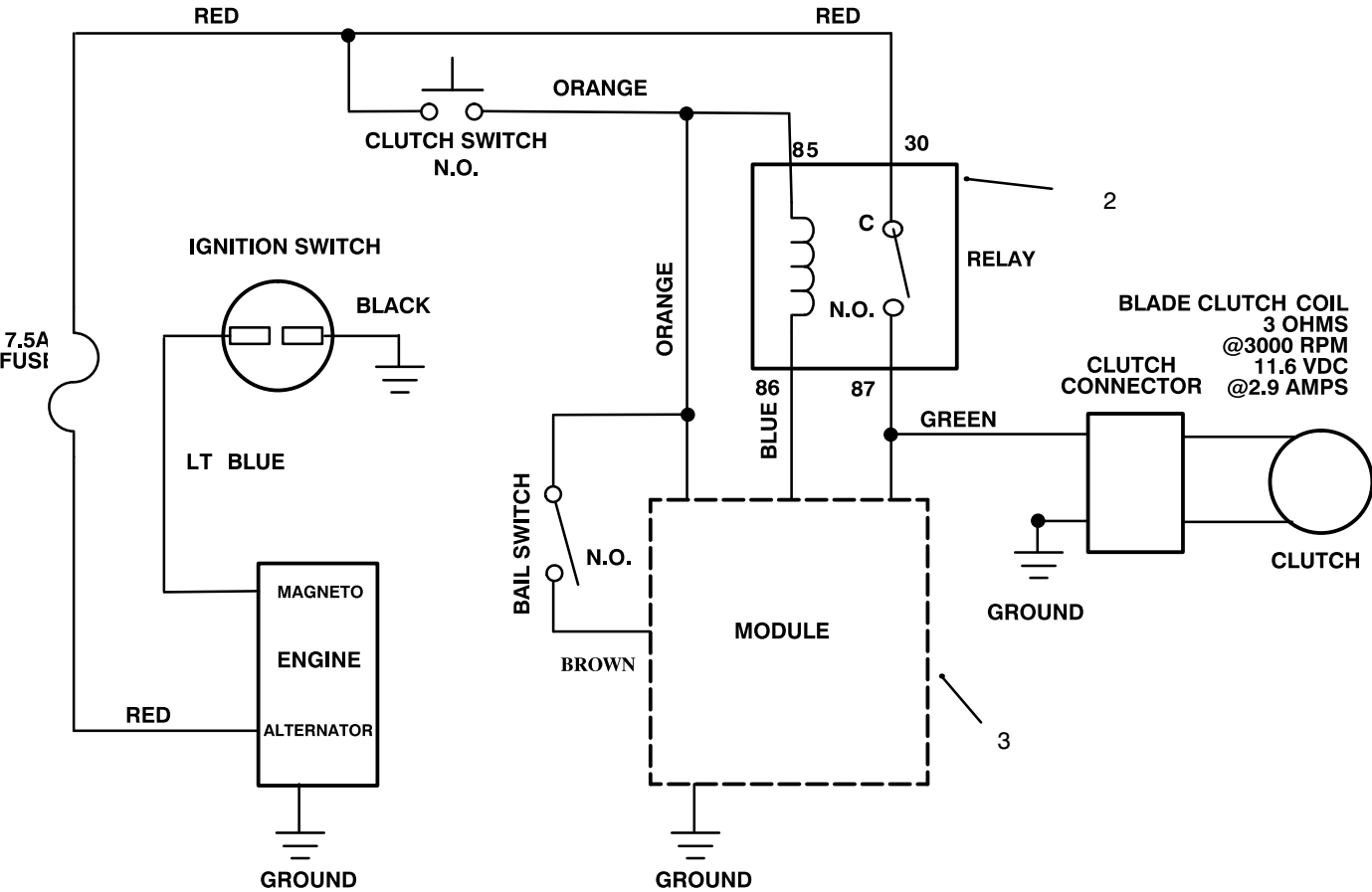


C-0737

Traction Drive Motor (Torquemotor)

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1		Seal	1	15		Plate Wear	1
2		Bearing	1	16		Rotor	1
3		Housing	1	17		Vane	7
4		Washer – Back Up	1	18		Stator	
5		Washer – Back Up	1	19		Manifold	1
6		Seal	1	20		Commutator	1
7		Washer – Thrust	1	21		Seal – Commutator	1
8		Bearing – Thrust	1	22		Commutator – Ring	1
9		Washer – Thrust	1	23		Cover – End	1
10		Bearing – Inner	1	24		Bolt – Special	A/R
11		Coupling – Shaft	1	25		Stator Half	
12		Bearing – Thrust	1	26	85-7310	Nut	1
13		"O"Ring	5	*	85-7320	Kit – Seal (Incl. Ref. #1,4,6,13 & 20)	1
14		Link – Drive	1				

*Not Illustrated

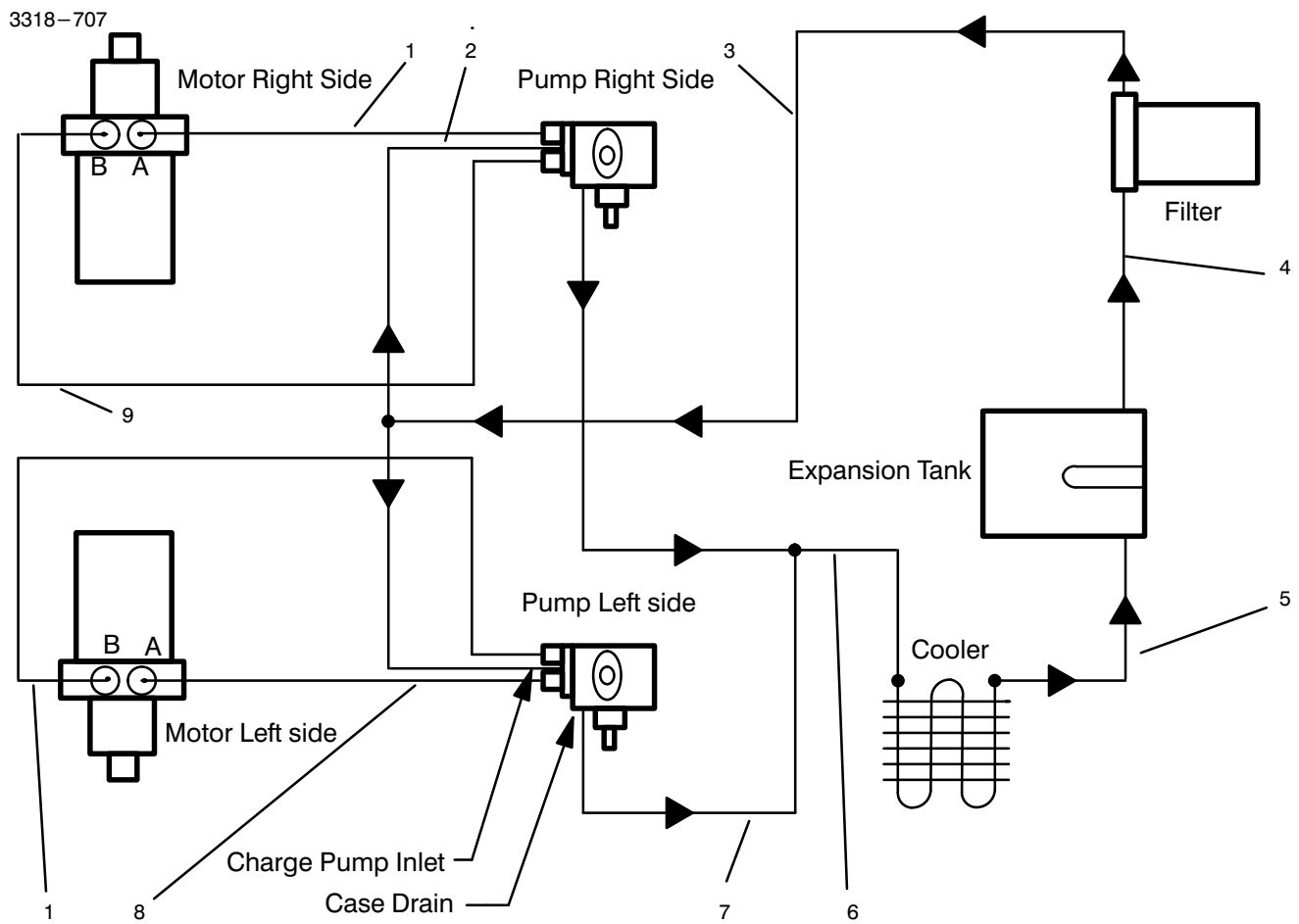


Electric Schematic

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



C-0708

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
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
63-8440	1	25	1	Decal-Hot Surface
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
82-3820	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
82-4590	3	17	1	Decal-Slope Warning
82-4600	2	26	2	Decal-Hydro
82-7740	4	5	A/R	Decal-Control Panel
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
94-4194	1	17	1	Engine-16hp B&s
94-5838	4	3	1	Control-Throttle
94-5839	4	26	1	Control-Choke
94-5841	1	32	1	Muffler (Supplied w/Eng)

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
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
94-9664	6	26	2	ASM-Wheel & Tire
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
95-1523	3	12	1	Decal-Traction Drive
95-1524	3	13	1	Decal-T Bar
95-1526	5	21	1	Trailing Shield
95-1528	6	33	2	Pulley-Pump
95-1529	5	20	1	Rod-Shield
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
95-1543	5	37	1	Decal-Valve Adjust
95-1544	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
95-2814	1	1	1	Decal-Fuel Shut-Off
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
95-5858	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
231-117	6	26:3	2	Tire-15x6
232-27	6	26:1	2	Valve Stem & Cap Assembly
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
242-87	6	26:2	2	Wheel
2410-71	1	5	2	Cap-Plug
2412-98	5	3	2	Clamp-Hose

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
2412-120	4	9	2	Clamp-R
2412-134	1	23	2	Clamp R
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-Hyddraulic
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
3290-378	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

*Not Illustrated

Toro Part Number Index (cont.)

Part No.	Page No.	Ref. No.	Qty.	Description
3296-42	2	32	11	Nut-Lock
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
32151-3	2	8	4	Ring-Retaining
32151-80	3	19	2	Ring-Push On
33023-00	3	31	2	Nut-Lock Ni
340-4	6	3	4	Ftg-Hyd
340-6	6	23	4	Fitting-Ors
354-115	6	8	2	Ftg-Hyd
354-116	6	4	2	Fitting-Hydraulic
354-117	6	40	2	Fitting-Hydraulic
354-118	6	14	2	Fitting-Hydraulic

MAINTENANCE RECORD

[illegible]

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