FORM NO. 3321–928

TORO®

WHEEL HORSE®

1744HXL LAWN TRACTOR

1744HXL INT'L LAWN TRACTOR

Model No. 71197 – 9900001 & Up
Model No. 71280 – 9900001 & 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:

Accessories

Description	Model / Parts No.
Twin Bag Vac. Bagger Kit	Model No. 79102
Recycler Kit	Model No. 79174
Hi–Sail Bagging Blade	Part No. 57–4940
Tire Chains	Model No. 82522
Headlight Kit (Standard)	Model No. 79180
42” Snowblade Kit	Model No. 79150
Snow Blade Adapter Kit	Part No. 93–3806
Wheel Weight Kit	Model No. 59159
44” Side Discharge Deck (Model No. 71280 Only)	Model No. 79107
44” Recycler Deck (Model No. 71197 Only)	Model No. 79108

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

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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.

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.

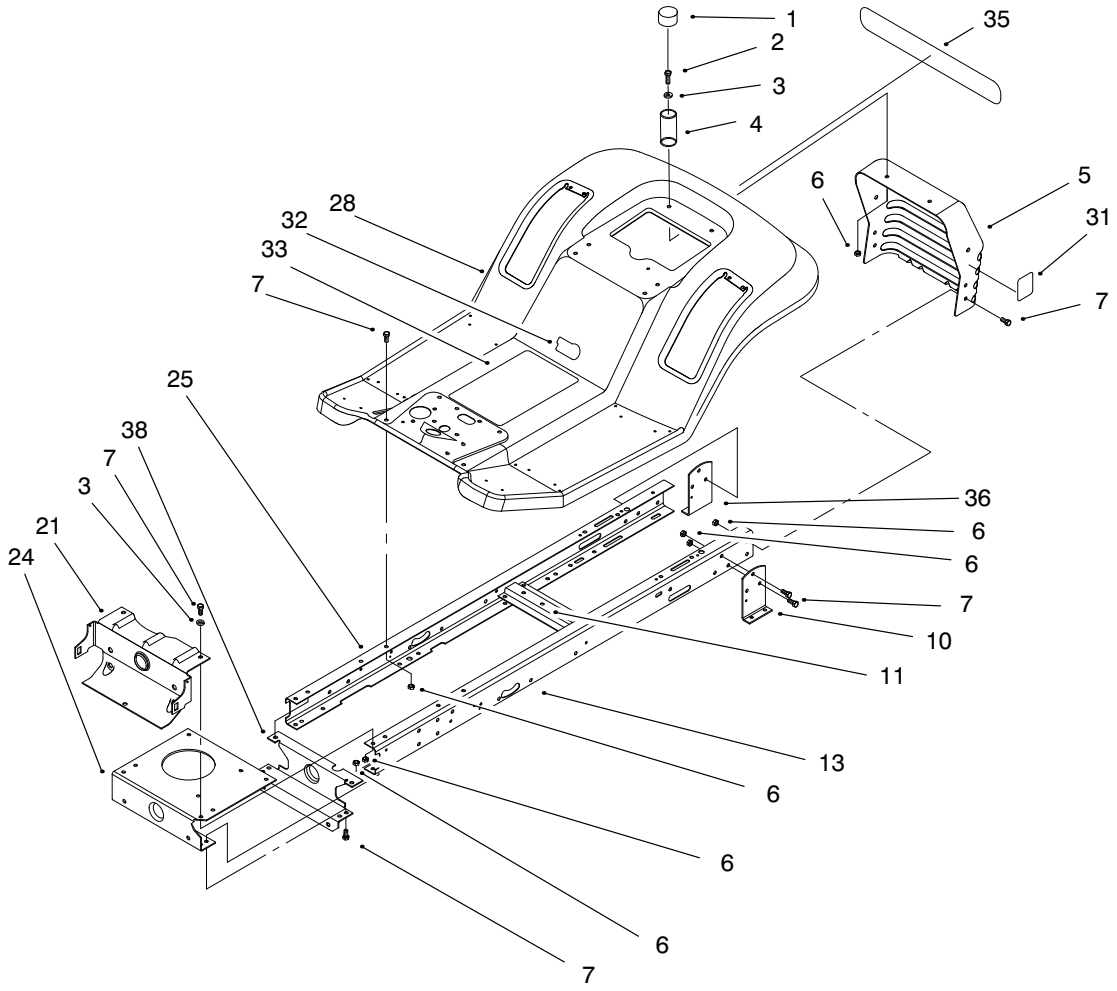
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

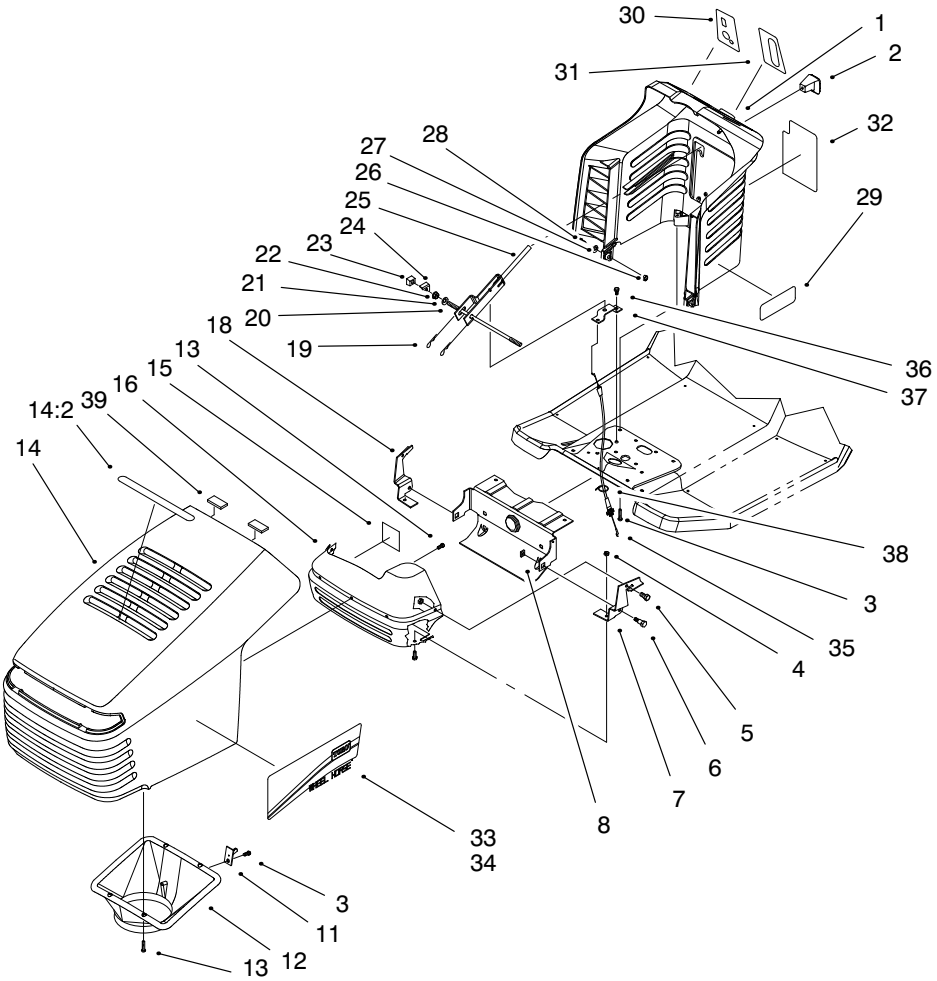


Sheet No.:2

Frame & Body Assembly

Ref. No.	Part No.	Qty.	Description
1	701178	2	Cap–Protector
2	322–5	2	Screw–HH
3	3256–23	4	Washer–Flat
4	88–6220	2	Spring – Compression
5	99–2957–03	1	Panel–Rear Hitch
6	3296–29	24	Nut–Lock Ni
7	322–3	22	Screw–HH
10	93–3857–03	1	Brkt – LH Trans Mtg
11	88–4620–03	1	Bracket–Idler Pivot
13	99–2958–03	1	Rail– LH Frame
21	98–3576–03	1	Support–Front Axle
24	88–4630–03	1	Plate–Eng Mtg
25	99–2959–03	1	Rail– RH Frame
28	99–2971	1	Body ASM–Rear
31	93–6678	1	Decal – Dump Valve
32	76–1340	1	Decal – USA (Only On: 71197)
33	93–6676	1	Decal – Instruction (Only On: 71280)
33	99–6095	1	Decal – Instruction Hydro (Only On: 71197)
35	95–0809	1	Decal–Rear Body
36	93–3856–03	1	Brkt – RH Trans Mtg
38	93–3831–03	1	Support – Rear

Ref. No.	Part No.	Qty.	Description

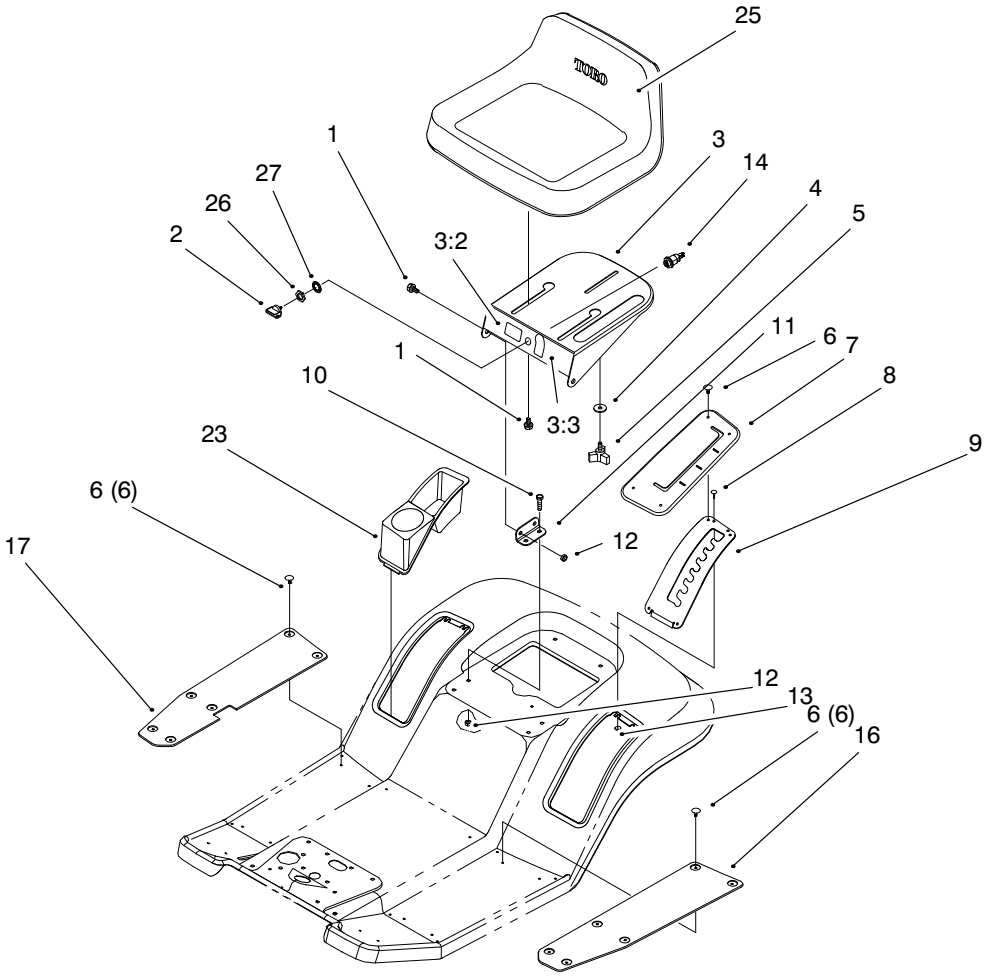


Sheet No.:3

Hood & Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	99–1947	1	Tower–Steering
2	94–5565	1	Knob – Shift
3	46–8091	3	Special–HWH
4	3296–42	4	Nut–Lock Ni
5	321–2	4	Screw–HH
6	28–0540	2	Bolt–Shoulder
7	88–6050–03	1	Bracket–LH Hinge
8	3290–496	2	Nut–Retainer
11	94–1984	1	Latch – Pin
12	93–3891	1	Duct – Hood Air
13	46–8090	7	Screw–Plastite
14		1	Hood–w/Decal Toro
14	92–8650	1	Hood–V–Chassis Toro
14:2	92–5748	1	Decal–Air Duct Toro
15	92–5782	3	Foil Tape
16	93–3864–03	1	Shield – Heat
18	88–6040–03	1	Bracket–RH Hinge
19	3290–307	2	Cotter–Hairpin
20	88–4170	1	Rod–Tower Pivot
21	3256–24	2	Washer–Flat
22	32128–43	2	Nut–Lock Whiz
23	88–4140	2	Nut–Wedge
24	88–4160	2	Rod–Clamp Pivot
25	88–5190–03	1	Deck Engage Lev Wa
26	3296–29	2	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description
27	3256–23	2	Washer–Flat
28	322–3	2	Screw–HH
29	99–5914	2	Decal–Tower 1744 Hxl
30	99–8141	1	Decal–Ignition/Lights (Only On: 71280)
30	99–8139	1	Decal–Ignition/Lights (Only On: 71197)
31	92–5730	1	Decal – Throttle (Only On: 71280)
31	92–2461	1	Decal – Throttle (Only On: 71197)
32	93–6673	1	Decal – Deck Engage (Only On: 71280)
32	92–2462	1	Decal – Deck Engage (Only On: 71197)
33	95–0808	1	Decal – Hood Left
34	95–0807	1	Decal – Hood Right
35	99–6838	1	Cable ASM–Deck, 44”
36	9266714	2	Screw–HWH
37	93–3849	1	Brkt–Upper Cable
38	614249	1	Strap–Tie Sm
39	94–1980	2	Foam – Hood

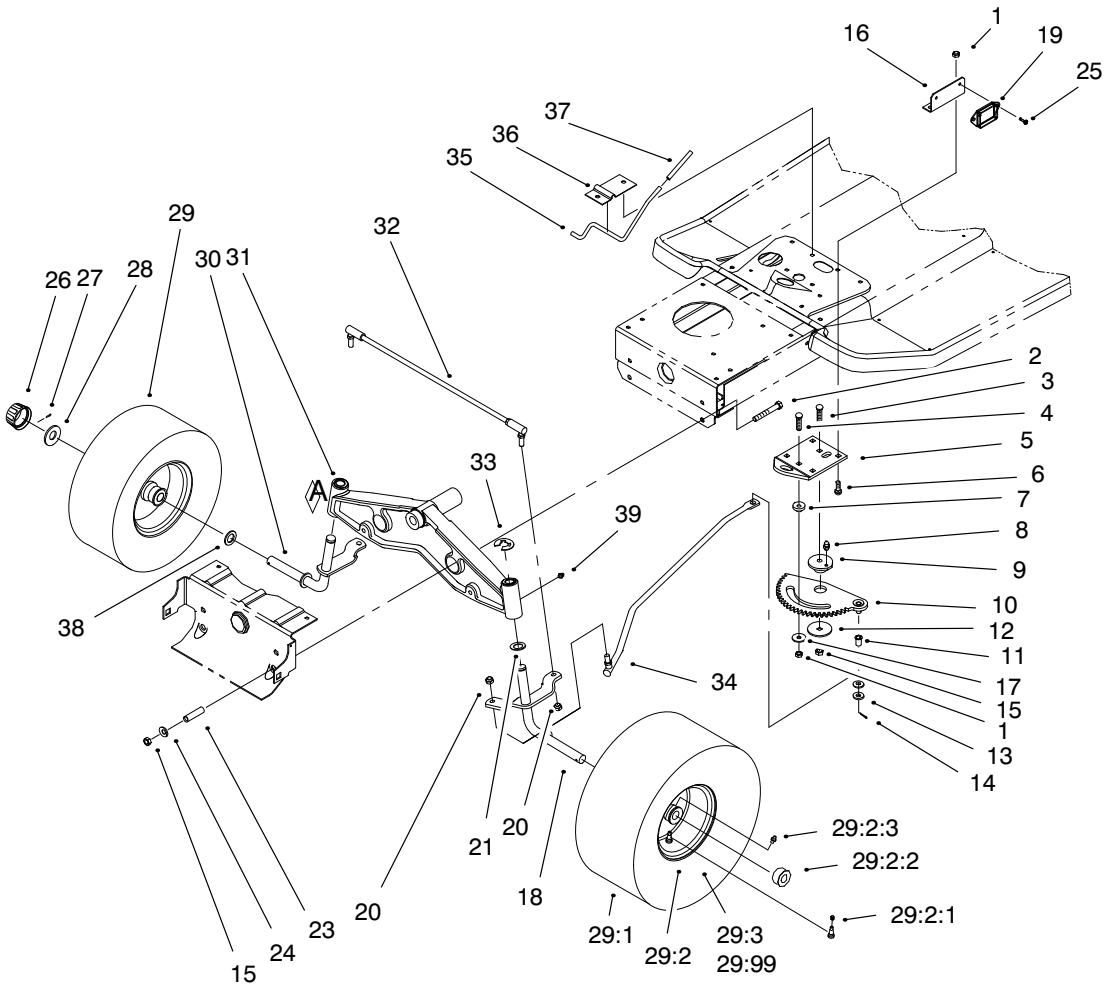


Sheet No.:4

Rear Body & Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	37–8770	4	Bolt–Shoulder
2	63–8360	1	Key–Ignition w/Shield
3	99–5831	1	Support ASM–Seat (Only On: 71280)
3	99–5830	1	Support ASM–Seat (Only On: 71197)
3:2	99–2986	1	Decal–Danger Intl (Only On: 71280)
3:2	99–2985	1	Decal–Danger (Only On: 71197)
3:3	99–5339	1	Decal–Nmir Switch (Only On: 71197)
3:3	99–5340	1	Decal–Nmir Switch Intl (Only On: 71280)
4	5–4460	1	Washer–Pivot
5	92–9674	1	Knob
6	3290–479	16	Fastener–Panel
7	88–5170	1	Cover – HOC (Only On: 71197)
7	93–7657	1	Cover – HOC, Intl (Only On: 71280)
8	3290–282	2	Rivet–Stl Pop
9	88–5030–03	1	Gate–HOC
10	322–3	4	Screw–HH
11	88–4820–03	2	Bracket–Seat Hinge
12	3296–29	6	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description
13	3269–26	2	Washer–Flat
14	46–5780	1	Switch–Starter
16	88–5240	1	Mat–LH Foot
17	88–5230	1	RH Foot Mat Hydro
23	88–4990	1	Tray – Fender
25	92–6511	1	Seat V–511
26	218–461	1	Nut–HH
27	3254–5	1	Washer–Lock/Int

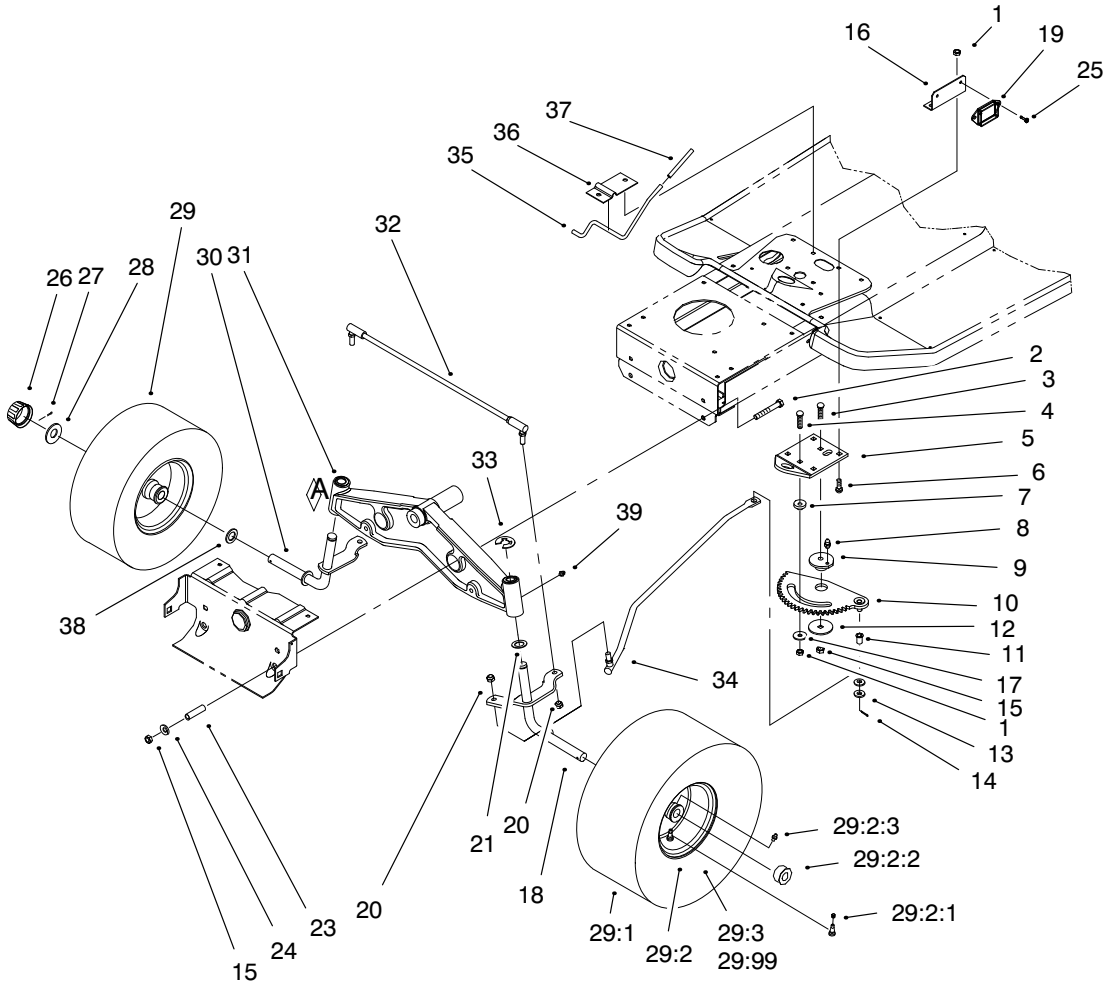


Sheet No.:5

Steering Components Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–29	5	Nut–Lock Ni
2	323–13	2	Screw–HH
3	3231–4	1	Screw–CARR
4	3230–3	1	Screw–CARR
5	88–5130–03	1	Bracket–Steering Rack
6	3230–2	4	Screw–CARR
7	88–5010	1	Spacer – Steering Rack
8	302–26	1	Zerk
9	88–4670	1	Bushing – Eccentric
10	88–5200	1	Steering Rack Wa
11	52–2891	1	Bushing–Steering Link
12	111419	1	Bearing–Washer
13	3256–25	2	Washer–Flat
14	3272–10	1	Pin–Cotter
15	3296–39	3	Nut–Lock Ni
16	99–2956–03	1	Bracket–Module
17	5–4460	1	Washer–Pivot
18	93–3833–03	1	Wa – Spindle LH
19	99–3700	1	Module–Nmir
20	3296–5	3	Nut–Lock Ni
21	3–6498	2	Washer–Thrust
23	88–5470	2	Spacer–Front Axle
24	3256–24	2	Washer–Flat
25	9266714	2	Screw–HWH

Ref. No.	Part No.	Qty.	Description
26	61–9780	2	Cap–Hub
27	3272–12	2	Pin–Cotter
28	28–2480	2	Washer
29		2	Wheel & Tire ASM, 15” (Only On: 71280)
29		2	Wheel&tire ASM,Front (Only On: 71197)
29:1	99–2988	1	Tire
29:2	99–6829	1	Rim ASM–Welded (Only On: 71280)
29:2	88–4370	1	15” Rim ASM (Only On: 71197)
29:2:1	232–27	1	Stem–Valve
29:2:2	110513	2	Bearing Wheel (Only On: 71280)
29:2:2	88–4400	2	Bearing – Wheel (Only On: 71197)
29:2:3	302–5	1	Fitting–Lube
29:3	232–39	1	Tube (Only On: 71280)
29:99	232–39	1	Tube (Only On: 71197)
30	92–7889–03	1	RH Spindle Wa
31	99–2955–03	1	Axle–Front
32	93–3873	1	Assembly – Tie Rod
33	32151–48	2	E–Ring
34	93–3840	1	Drag Link
35	88–5510	1	Rod–Parking Brake

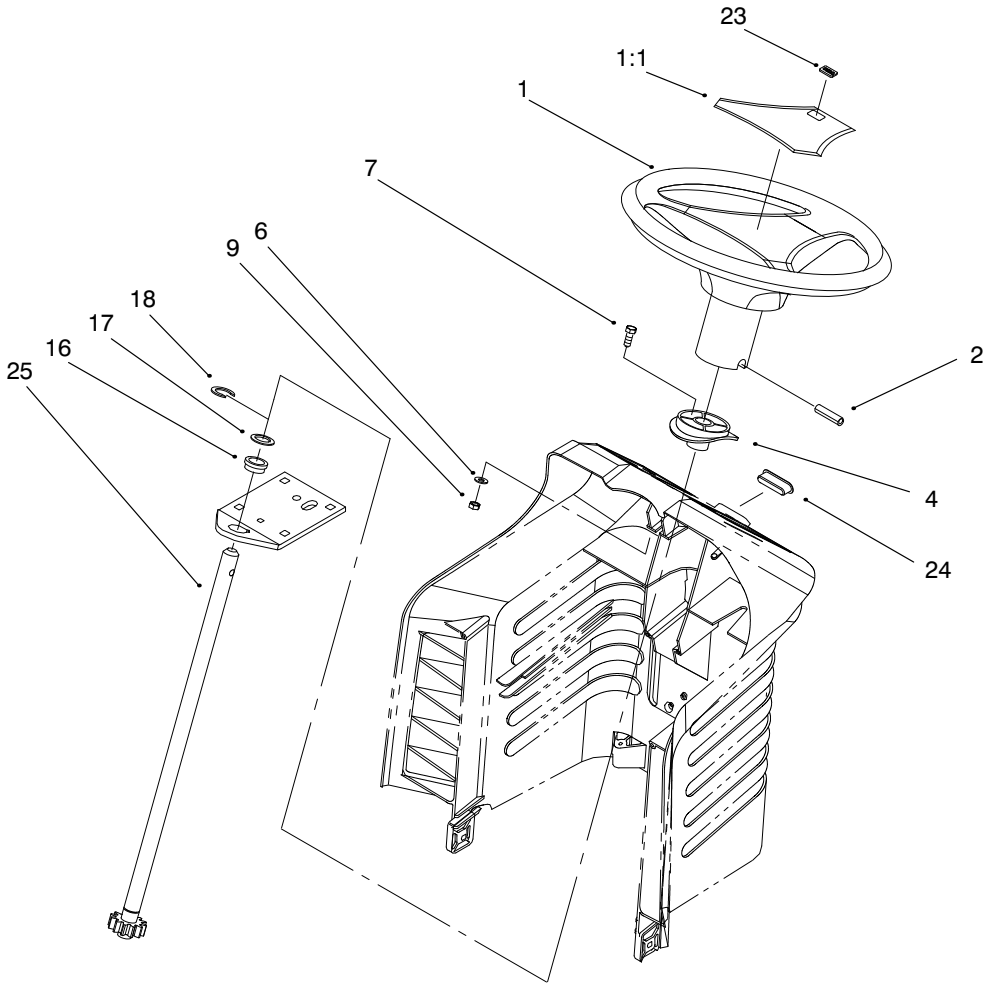


Sheet No.:5

Steering Components Assembly

Ref. No.	Part No.	Qty.	Description
36	88–5520–03	1	Bracket–Parking Brake
37	88–0890	1	Grip–Bag Handle
38	3–6498	4	Washer–Thrust
39	302–5	2	Fitting–Lube

Ref. No.	Part No.	Qty.	Description

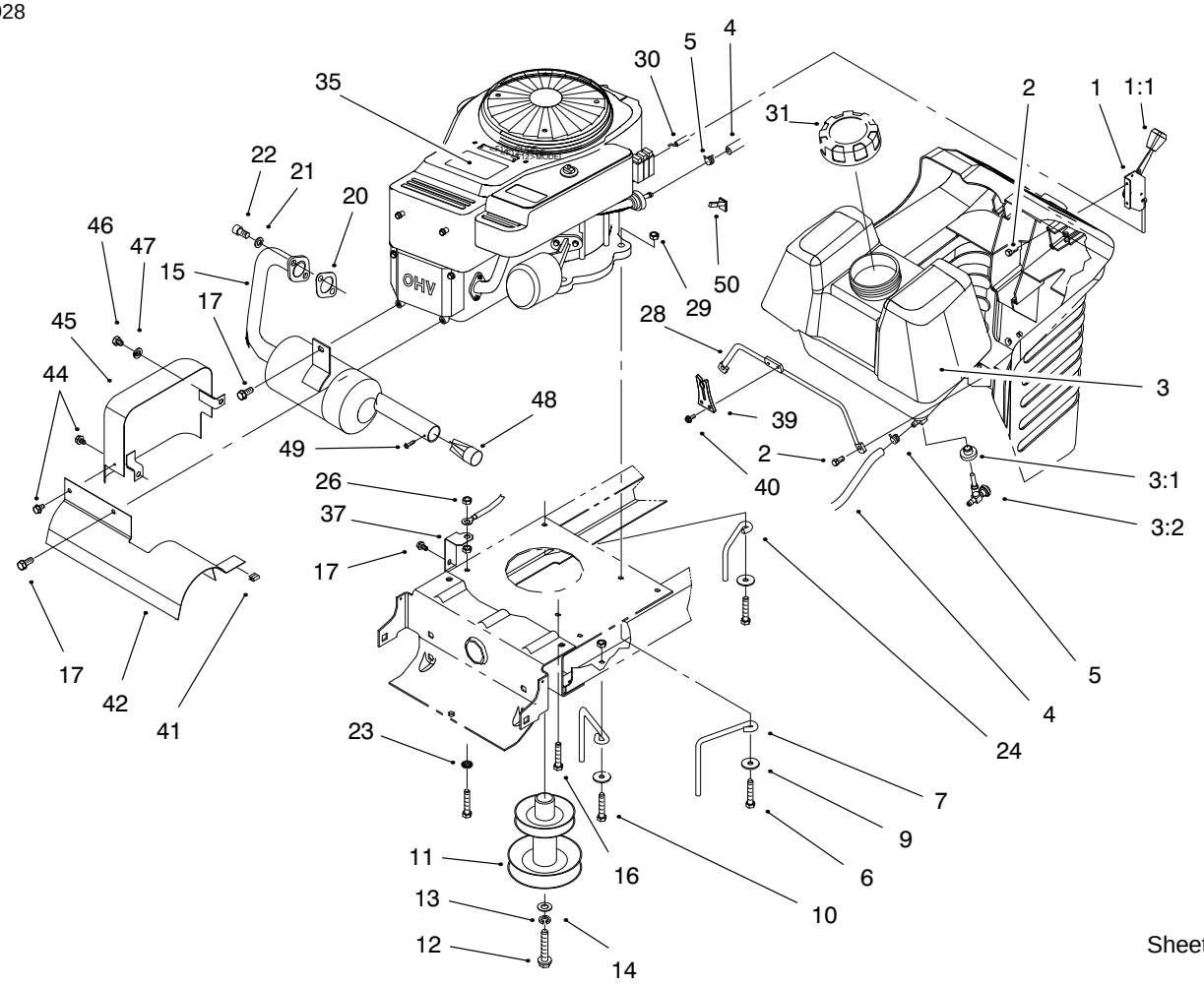


Sheet No.:6

Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1467	1	Wheel – Steering
1:1	98–1468	1	Cover – Wheel, Steering
2	32121–111	1	Pin–Roll
4	88–4190	1	Bushing – Sliding
6	3256–22	2	Washer–Flat
7	321–4	2	Screw–HH
9	3296–42	2	Nut–Lock Ni
16	88–5150	1	Bearing–Flange
17	3–6498	1	Washer–Thrust
18	32151–48	1	E–Ring
23	98–1459	1	Decal – Toro
24	88–4150	1	Plug
25	88–6380	1	Long Steering Shaft Wa

Ref. No.	Part No.	Qty.	Description

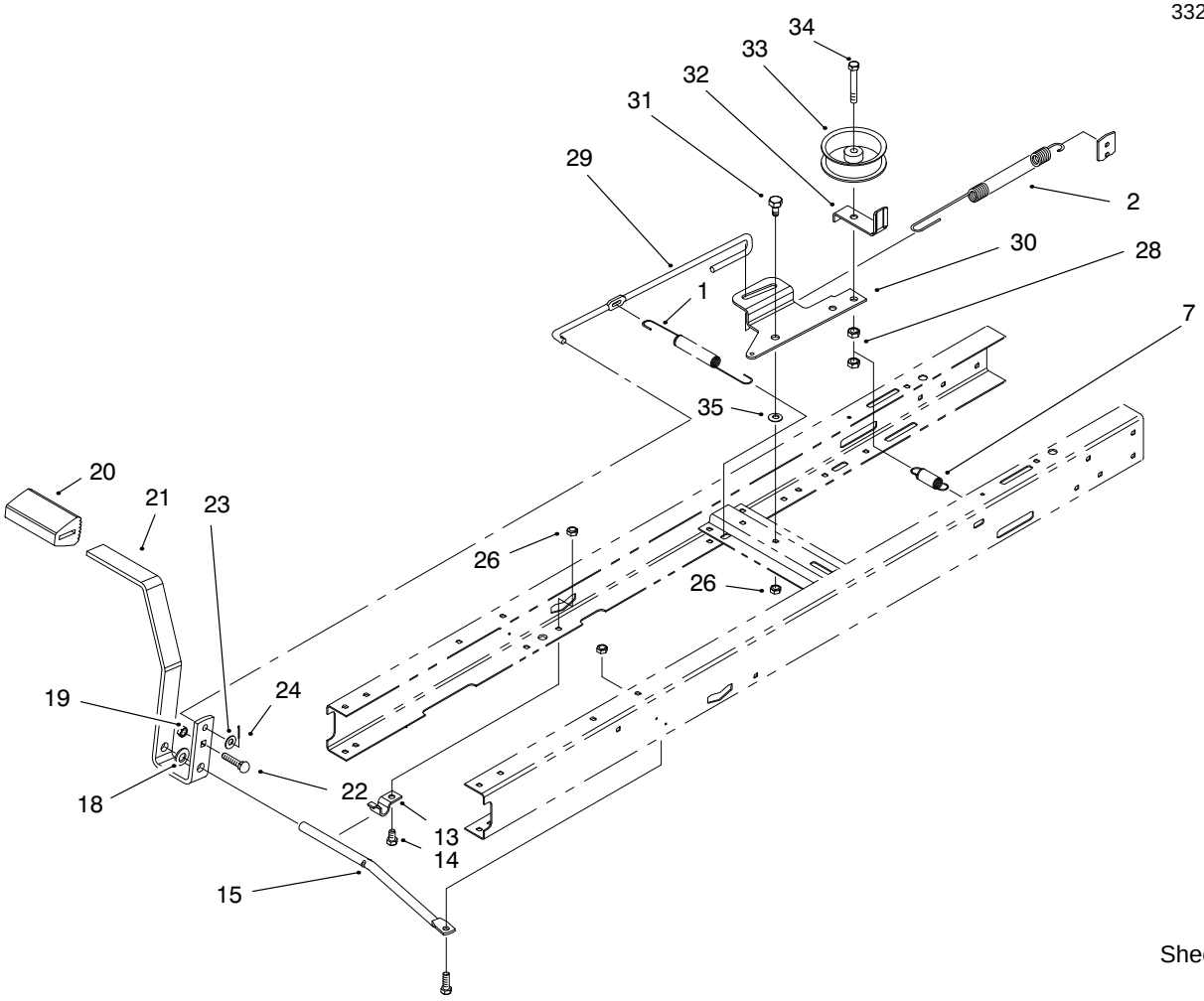


Sheet No.:7

Engine Systems Components Assembly

Ref. No.	Part No.	Qty.	Description
1	88–4340	1	Control–Throttle
1:1	66–0120	1	Knob
2	27–0220	4	Screw–Special
3	88–3880	1	Gas Tank ASM
3:1	104047	1	Bushing
3:2	104048	1	Valve–Fuel
4	47–2963	1	Hose–Gas
5	2412–98	2	Clamp
6	322–9	3	Screw–HH
7	93–3854	3	Guide – Belt Engine
9	5–4460	4	Washer–Pivot
10	322–5	2	Screw–HH
11	93–3832	1	Pulley, Engine
12	26–0671	1	Screw–Blade
13	3253–22	1	Washer–Lock/Sp
14	3256–25	1	Washer–Flat
15	93–3892	1	Muffler Wa 15.5
16	9267154	1	Screw
17	9266714	3	Screw–HWH
20	88–4410	1	Gasket–Muffler
21	3253–4	2	Washer–Lock/Sp
22	3274–10	2	Screw–HSH
23	3255–8	1	Washer–Lock/Ext
24	93–3855	1	Guide – Belt RH
26	32149–1	2	Nut–Keps
28	94–1952	1	Rod – Gas Tank

Ref. No.	Part No.	Qty.	Description
29	3296–29	4	Nut–Lock Ni
30	88–4350	1	Cable–Throttle
31	88–3980	1	Gas Cap Assembly
35	99–8057	1	Decal – Engine
37	93–3809	1	Bracket– Ground
39	94–1951	1	Latch – Hood
40	32144–112	2	Screw–Thread Forming
41	93–3882	1	Clip – Tinnerman, U
42	93–3880–03	1	Shield–Muffler
44	32104–76	2	Screw–Acorn Slot
45	93–8450–03	1	Wa – Exhaust Shield
46	322–3	1	Screw–HH
47	3253–4	1	Washer–Lock/Sp
48	93–9911	1	Screen–Silencer, Exhaust
49	32144–42	1	Screw–Selftap
50	88–4490	1	Reducer–Throttle Rpm (Only On: 71280)



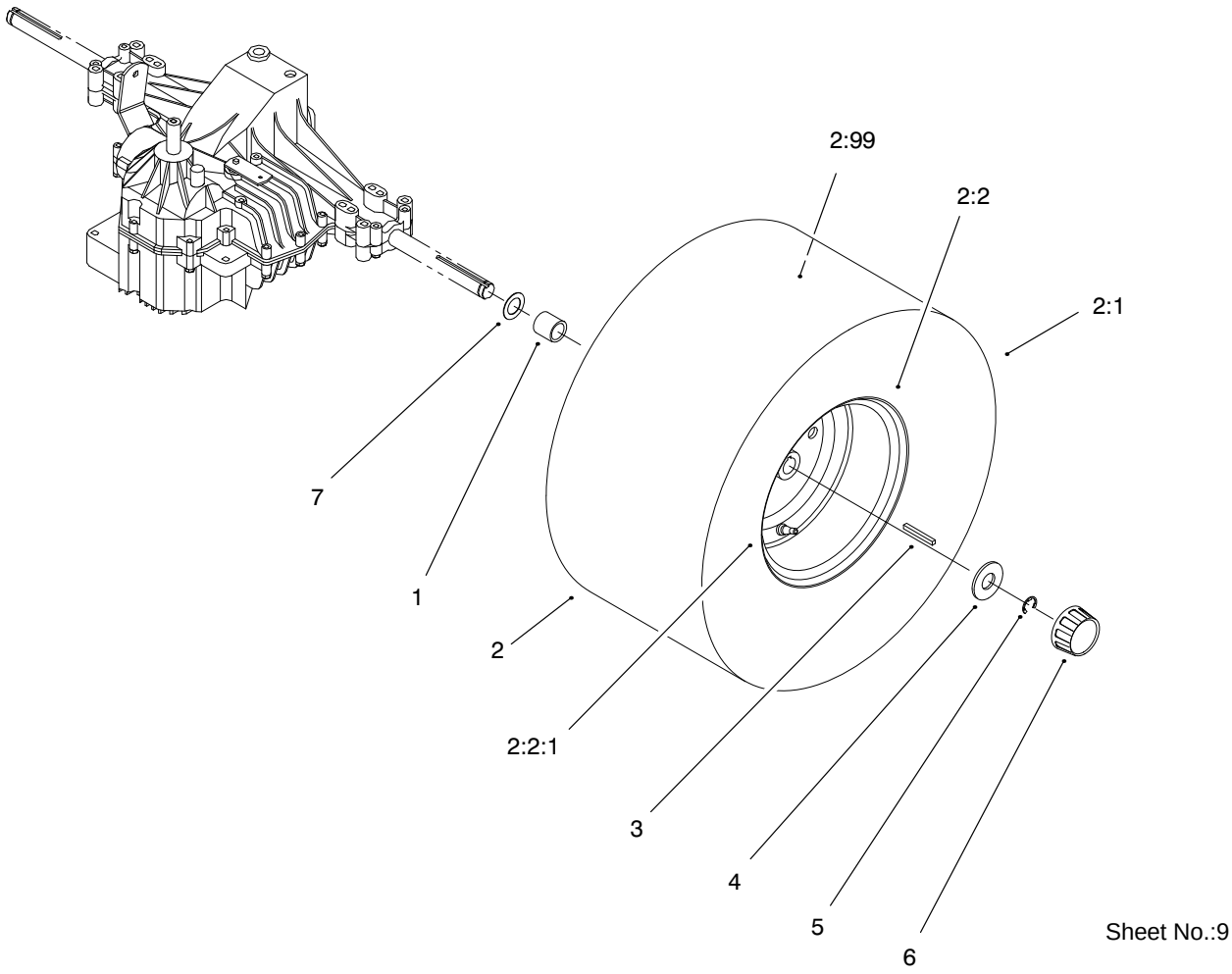
Sheet No.:8

Traction & Brake Components Assembly

Ref. No.	Part No.	Qty.	Description
1	27–8890	1	Spring–Return
2	88–6140	1	Brake Spring
7	88–6330	1	Spring – Extension
13	88–4810	1	Clamp–Shift Pivot
14	322–3	2	Screw–HH
15	88–5500	1	Rod–Pedal Pivot
18	3256–26	1	Washer–Flat
19	3296–29	1	Nut–Lock Ni
20	65–2920	1	Pad–Pedal
21	88–5000–03	1	Pedal–Clutch/Brake
22	3230–3	1	Screw–CARR
23	3256–23	1	Washer–Flat
24	3272–10	1	Pin–Cotter
26	3296–29	3	Nut–Lock Ni
28	3296–59	2	Nut–Lock Ni
29	88–5270	1	Rod–Clutch/Brake
30	88–6070	1	Arm–Idler
31	37–8770	1	Bolt–Shoulder
32	88–5560	1	Guide–Idler Belt
33	88–5680	1	Pulley–Idler
34	323–11	1	Screw–HH
35	5–4460	1	Washer–Pivot

Ref. No.	Part No.	Qty.	Description

3321–928

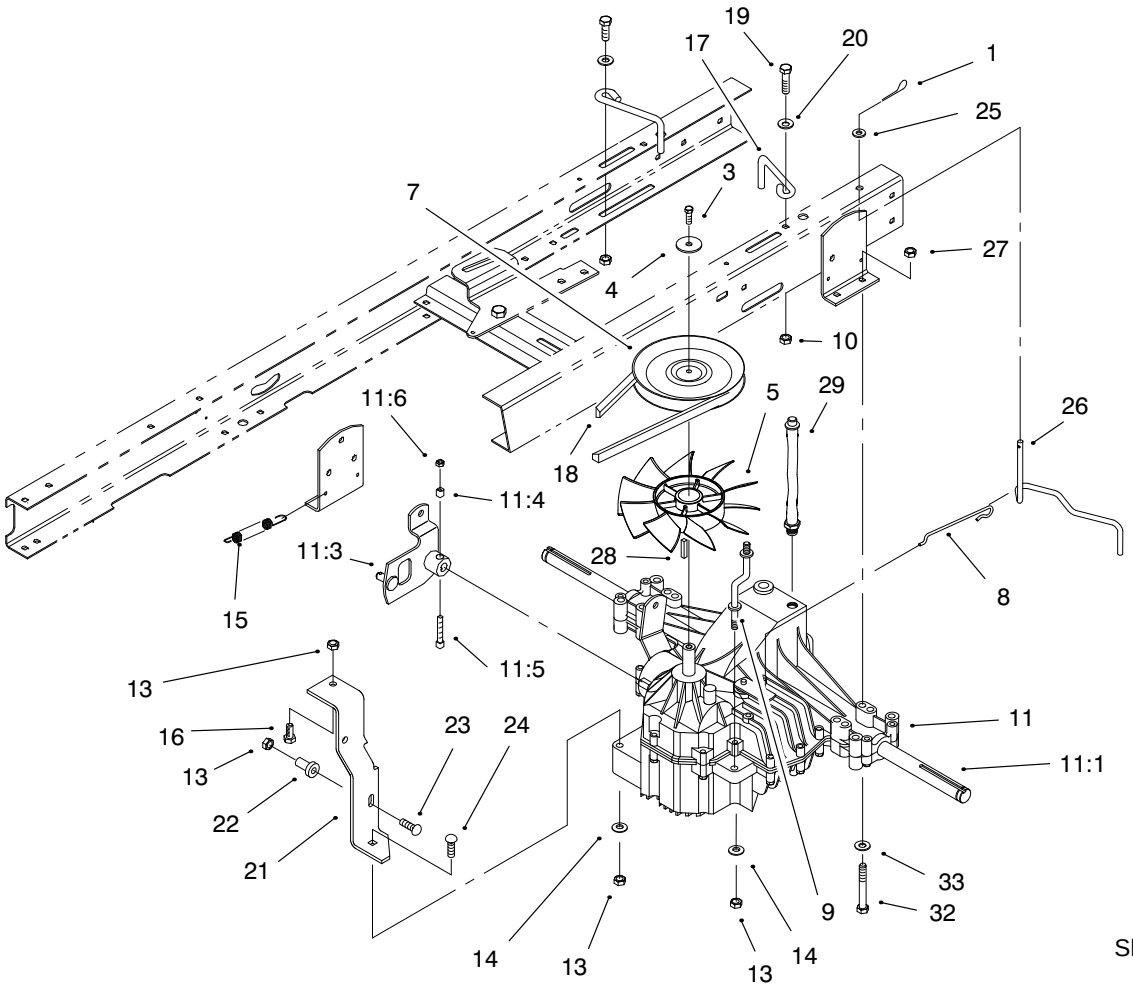


Sheet No.:9

Wheel & Tire Assembly

Ref. No.	Part No.	Qty.	Description
1	88–5360	2	Spacer
2		2	Wheel & Tire ASM, Rear
2:1	99–2994	1	Tire
2:2	88–4390	1	Rim ASM
2:2:1	232–27	1	Stem–Valve
2:99	93–3893	1	Tube – Inner 20 X 10 –8
3	7–0036	2	Key
4	28–2480	2	Washer
5	32151–48	2	E–Ring
6	61–9780	2	Cap–Hub
7	3–6498	2	Washer–Thrust

Ref. No.	Part No.	Qty.	Description

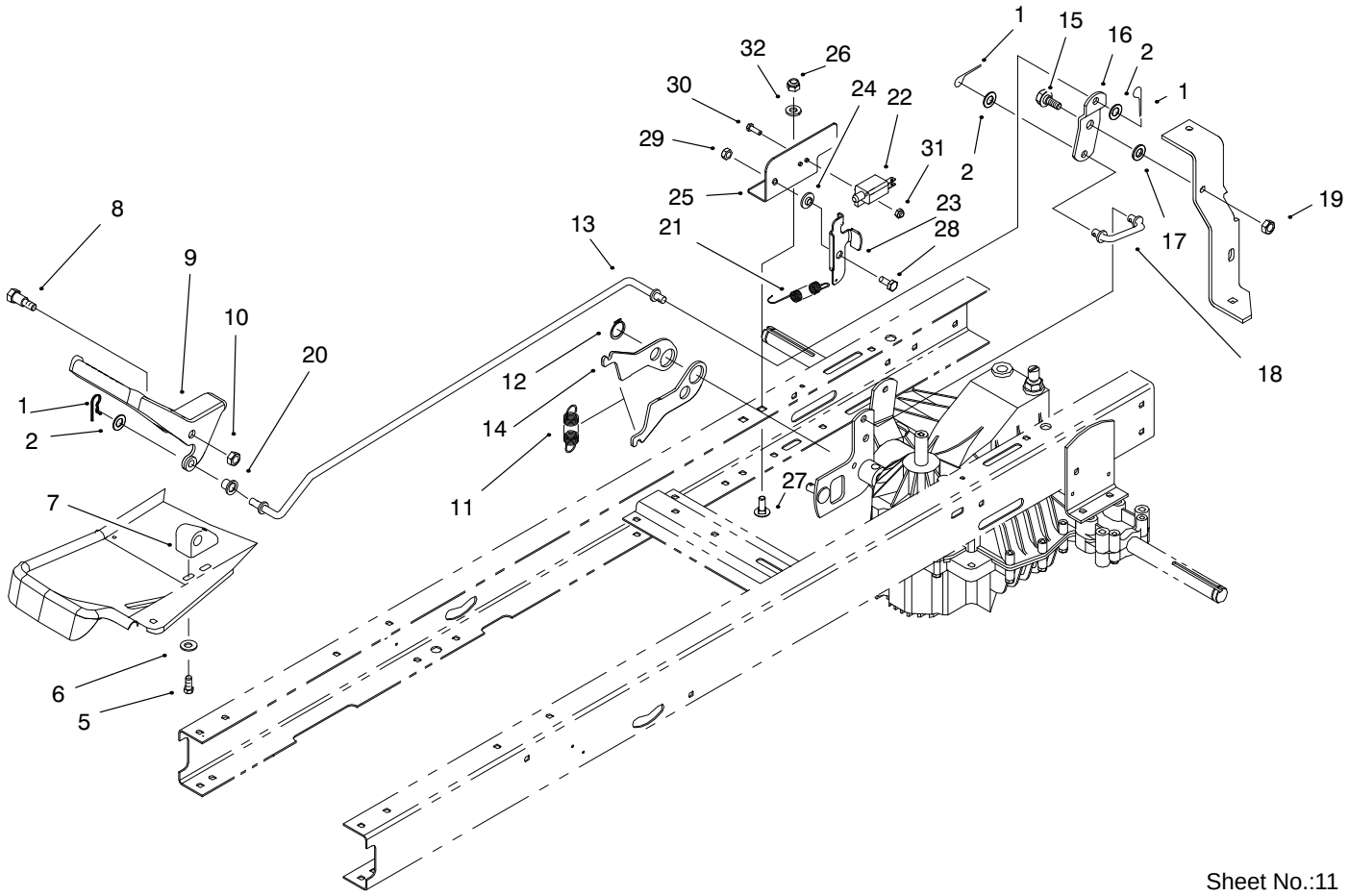


Sheet No.:10

Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
1	3290–307	1	Cotter–Hairpin
3	33113–016	1	Screw–HH
4	3256–58	1	Washer–Flat
5	93–3867	1	Fan – 10 Blade 7” Dia.
7	93–3862	1	Pulley, Transmission
8	92–8856	1	Wire – Bypass
9	93–3872	1	Strap – Torque
10	3296–29	2	Nut–Lock Ni
11		1	ASM–Transaxle Hydro 1644
11:1	95–2727	1	ASM–Transaxle (Service)
11:3	99–5845	1	Lever Wa–Speed Control
11:4	86–4270	1	Lock Spacer
11:5	3274–59	1	Screw–HSH
11:6	3296–12	1	Nut–Lock Ni
13	3296–29	5	Nut–Lock Ni
14	3256–23	3	Washer–Flat
15	26–6701	1	Spring–Brake Return
16	322–3	1	Screw–HH
17	93–3868	2	Guide – Transmission Belt
18	93–3883	1	V–Belt, Hydro
19	322–5	2	Screw–HH
20	5–4460	2	Washer–Pivot

Ref. No.	Part No.	Qty.	Description
21	93–3863–03	1	Brkt–Speed Control
22	65–5080	1	Flange Bushing
23	3230–5	1	Screw–CARR
24	3230–7	1	Screw–CARR
25	3256–22	1	Washer–Flat
26	92–8857	1	Lever – Bypass
27	3296–29	4	Nut–Lock Ni
28	80–6090	1	Key – Pump
29	94–1945	1	ASM – Breather Hose
32	322–12	4	Screw–HH
33	3256–23	4	Washer–Flat

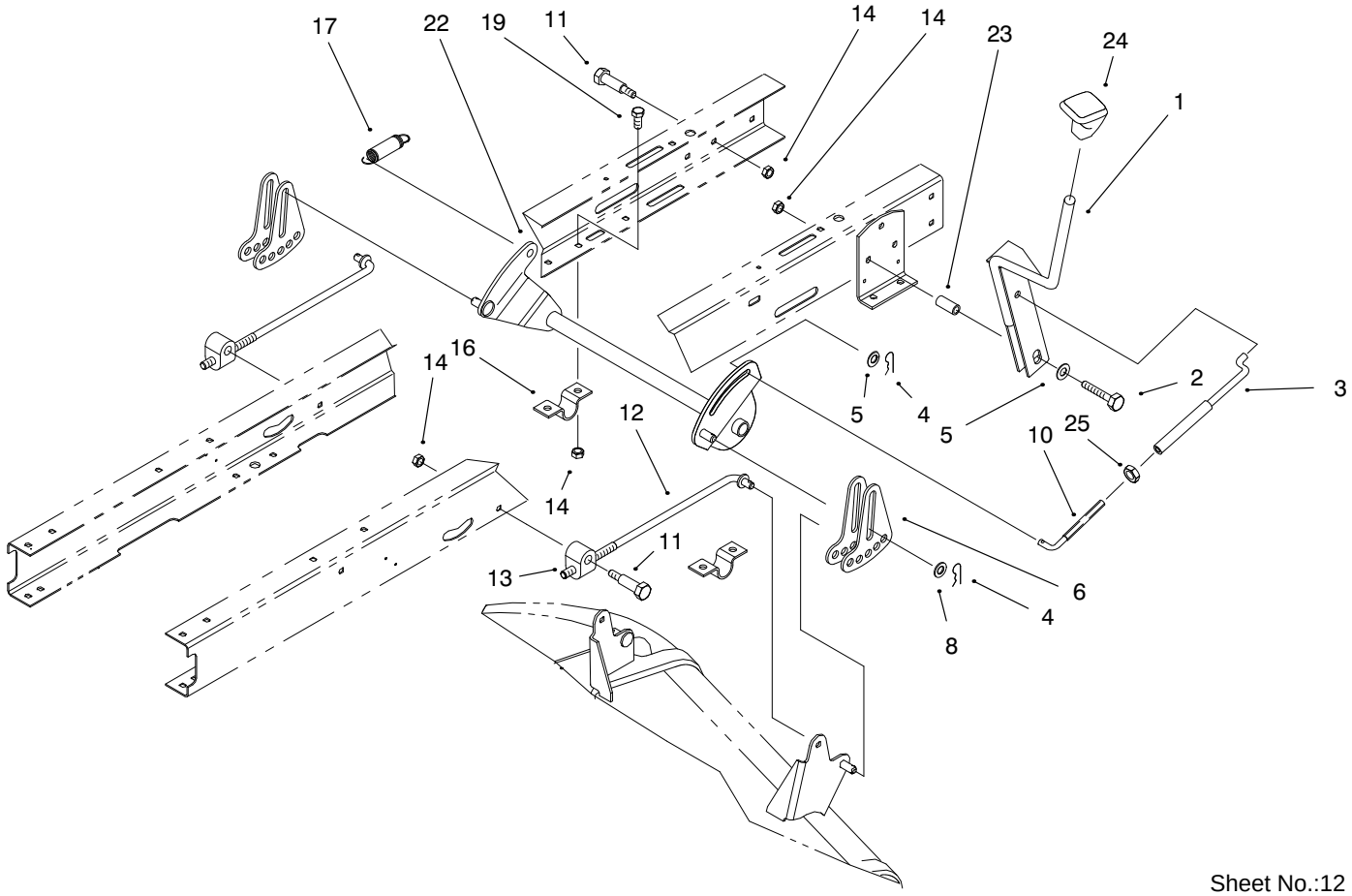


Sheet No.:11

Hydro Transaxle Controls Assembly

Ref. No.	Part No.	Qty.	Description
1	3290–307	4	Cotter–Hairpin
2	3256–38	4	Washer–Flat
5	46–8090	2	Screw–Plastite
6	3256–22	2	Washer–Flat
7	88–4690	1	Pivot Block
8	23–0310	1	Shoulder Bolt
9	99–6120–05	1	Pedal–Speed Control
10	3296–59	1	Nut–Lock Ni
11	92–7305	1	Spring–Extension
12	32151–83	1	Snap Ring
13	99–6804	1	Rod–Speed Control,1744
14	88–5610	2	Neutral Return Lever
15	37–8771	1	Screw–Shoulder
16	93–3875	1	Bellcrank
17	3290–456	1	Washer–Belleville
18	93–3874	1	Link–Speed/Direct Control
19	3296–47	1	Nut–Lock Ni
20	99–6121	1	Bushing
21	99–6805	1	Spring–Extension
22	95–1653	1	Switch – Single Pole
23	99–6807	1	Bracket – Pivot
24	99–6808	1	Washer–Stepped
25	99–6806	1	Bracket – Adjustment
26	3296–29	2	Nut–Lock Ni

Ref. No.	Part No.	Qty.	Description
27	3230–18	2	Screw–CARR
28	99–6810	1	Screw–Hex Hd
29	3296–42	1	Nut–Lock Ni
30	3290–392	2	Screw – Hex Head Slot
31	3296–1	2	Nut–Lock Ni
32	3256–23	2	Washer–Flat

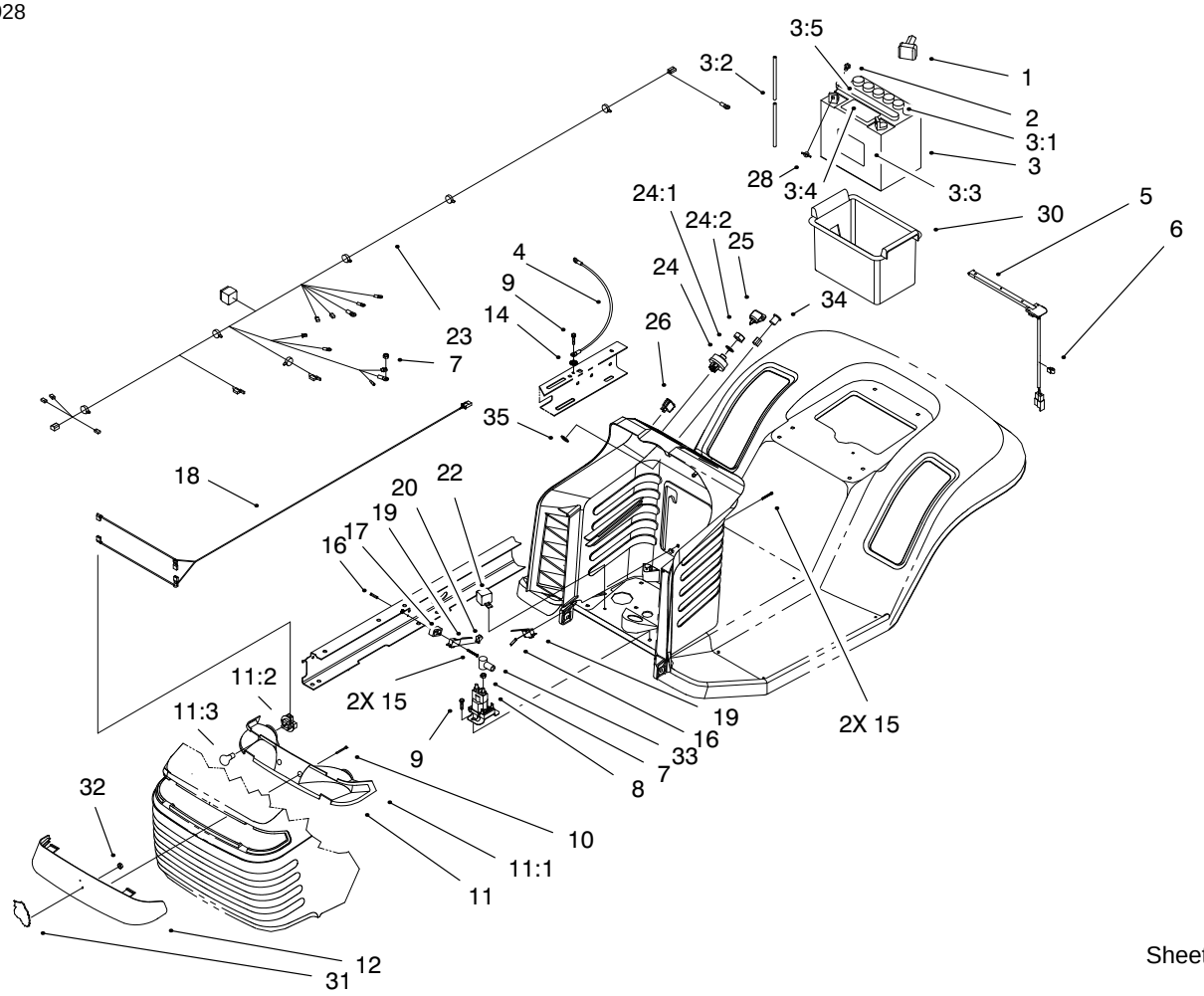


Sheet No.:12

Height of Cut Assembly

Ref. No.	Part No.	Qty.	Description
1	93–3822–03	1	Lever Wa
2	322–39	1	Screw–HH
3	93–3885	1	Wa – Tube
4	3290–307	3	Cotter–Hairpin
5	3256–24	2	Washer–Flat
6	88–5570–03	4	Link–HOC Adjusting
8	80–6990	2	Washer – Hardened
10	93–3888	1	Link – HOC
11	7–0030	3	Bolt–Shoulder
12	88–5450	2	Rod–Hanger Rear
13	88–4230	2	Trunnion–HOC
14	3296–29	8	Nut–Lock Ni
16	88–4730	2	Clamp–HOC Pivot
17	93–3808	1	Spring – Extension
19	322–3	4	Screw–HH
22	93–7660–03	1	Wa – HOC Pivot
23	65–7210	1	Spacer
24	94–5565	1	Knob – Shift
25	3218–2	1	Nut–Jam

Ref. No.	Part No.	Qty.	Description

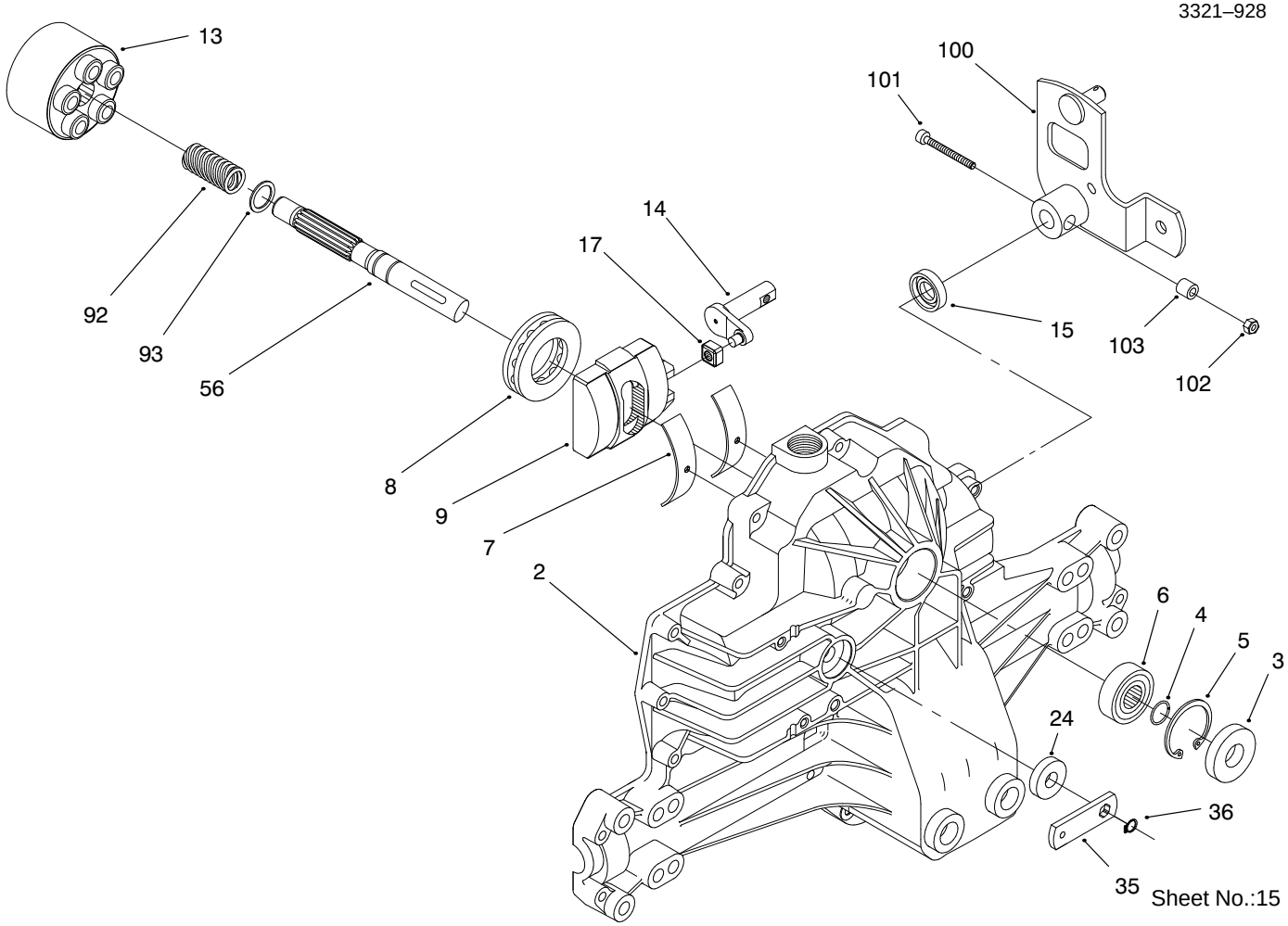


Sheet No.:13

Electrical Components Assembly

Ref. No.	Part No.	Qty.	Description
1	28–8080	1	Boot–Terminal
2	321–4	2	Screw–HH
3	80–2600	1	Battery
3:1	218–560	6	Cap–Battery
3:2	56–2540	1	Tube–Batt Drain/80–2600
3:3	93–6668	1	Decal – Battery
3:4	93–7276	1	Decal – Danger
3:5	93–9354	1	Decal – Danger
4	44–8110	1	Wire ASM
5	38–1420	1	Switch–Seat
6	702366	1	Clip–Wire Retainer
7	32149–2	3	Nut–Keps
8	92–9845	1	Solenoid
9	9266714	3	Screw–HWH
10	32144–32	2	Screw
11	88–3970	1	Reflector & Lamp ASM
11:1	111686	2	Socket Light
11:2	7228	2	Bulb –No. 1156
11:3	93–8741	1	Reflector
12	88–3960	1	Lens–Headlight
14	3255–7	2	Washer–Lock/Ext
15	93–0539	4	Screw–HH
16	3290–354	2	Nut–Speed
17	88–4880	1	Spacer
18	99–1935	1	Harness–Headlight

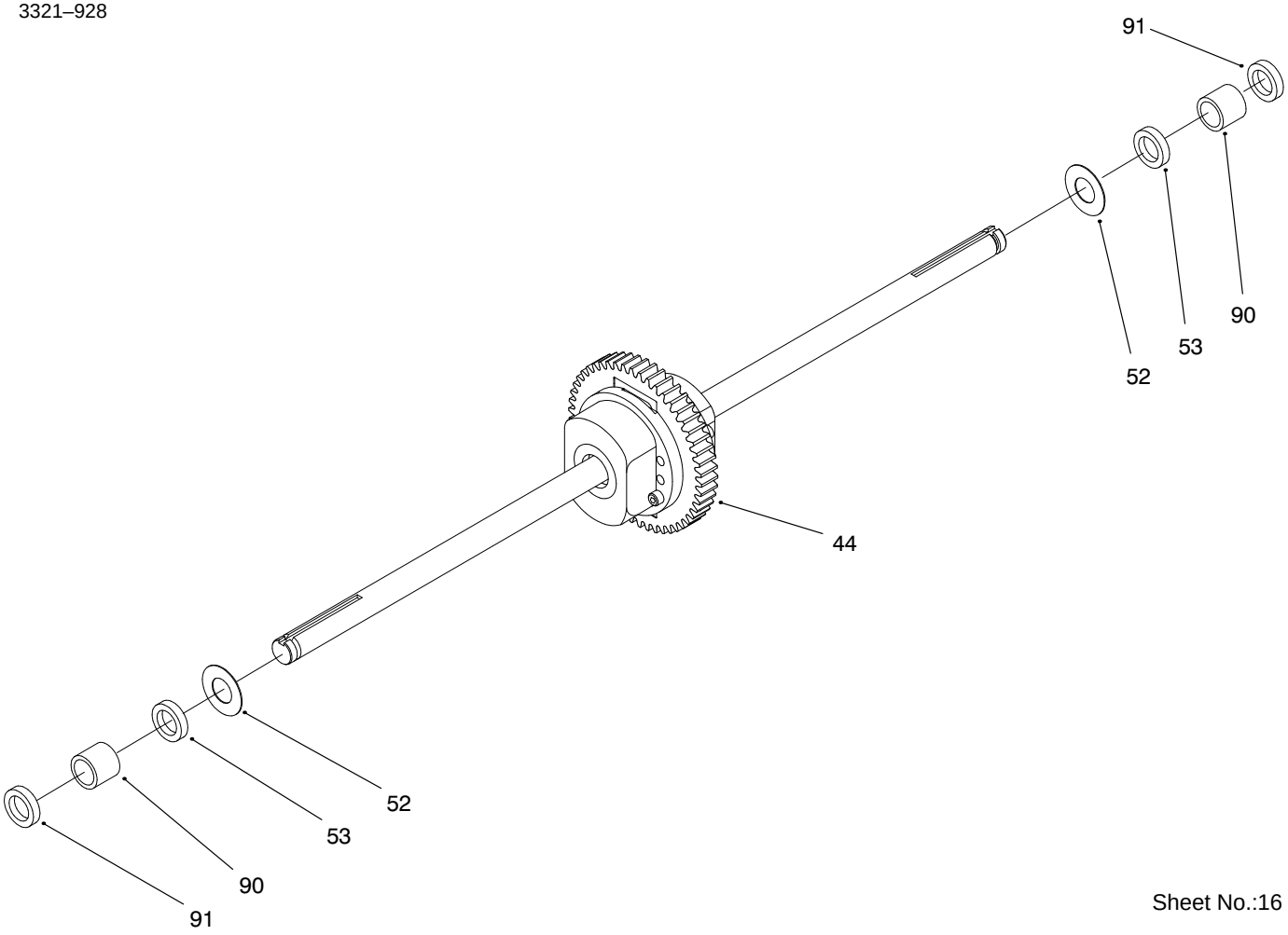
Ref. No.	Part No.	Qty.	Description
19	88–9932	2	Switch–Micro
20	93–3240	1	Plunger–Seal
22	98–7249	1	Relay–Spdt
23	99–2977	1	Wire Harness
24	88–9830	1	Switch–Ignition
24:1	3254–5	1	Washer–Lock/Int
24:2	218–461	1	Nut–HH
25	63–8360	1	Key–Ignition w/Shield
26	92–8875	1	Switch – Rocker
28	32103–22	2	Nut–Wing
30	88–4040	1	Box–Battery
31	80–2240	1	Emblem–Grille Whlhorse
32	3290–299	1	Clip
33	94–5362	1	Boot – Terminal Insulator
34	95–7652	1	Light – Indicator
35	99–6059	1	Clip–Retainer



Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
2	95–3268	1	Housing ASM – Upper
3	94–6543	1	Seal – Lip
4	94–1902	1	Ring – Wire Retaining
5	94–1903	1	Ring – Retaining
6	94–1904	1	Bearing – Shaft Ball
7	94–1905	2	Bearing – Cradle
8	94–6922	1	Bearing – Thrust
9	94–1907	1	Swashplate – Variable
13	94–1908	1	Block – Cylinder ASM
14	94–1909	1	Arm – Trunion
15	92–6544	1	Seal – Lip
17	94–1910	1	Guide – Slot
24	92–6545	1	Seal – Lip
35	92–6547	1	Arm – Bypass
36	936109	1	Ring – Retaining
56	94–1925	1	Shaft – Input
92	94–1936	1	Spring – Block
93	94–1937	1	Washer – Block Thrust
100	93–3870	1	Control Arm
101	3274–59	1	Screw – Cap Socket Hd.
102	3296–12	1	Nut
103	86–4270	1	Spacer

Ref. No.	Part No.	Qty.	Description

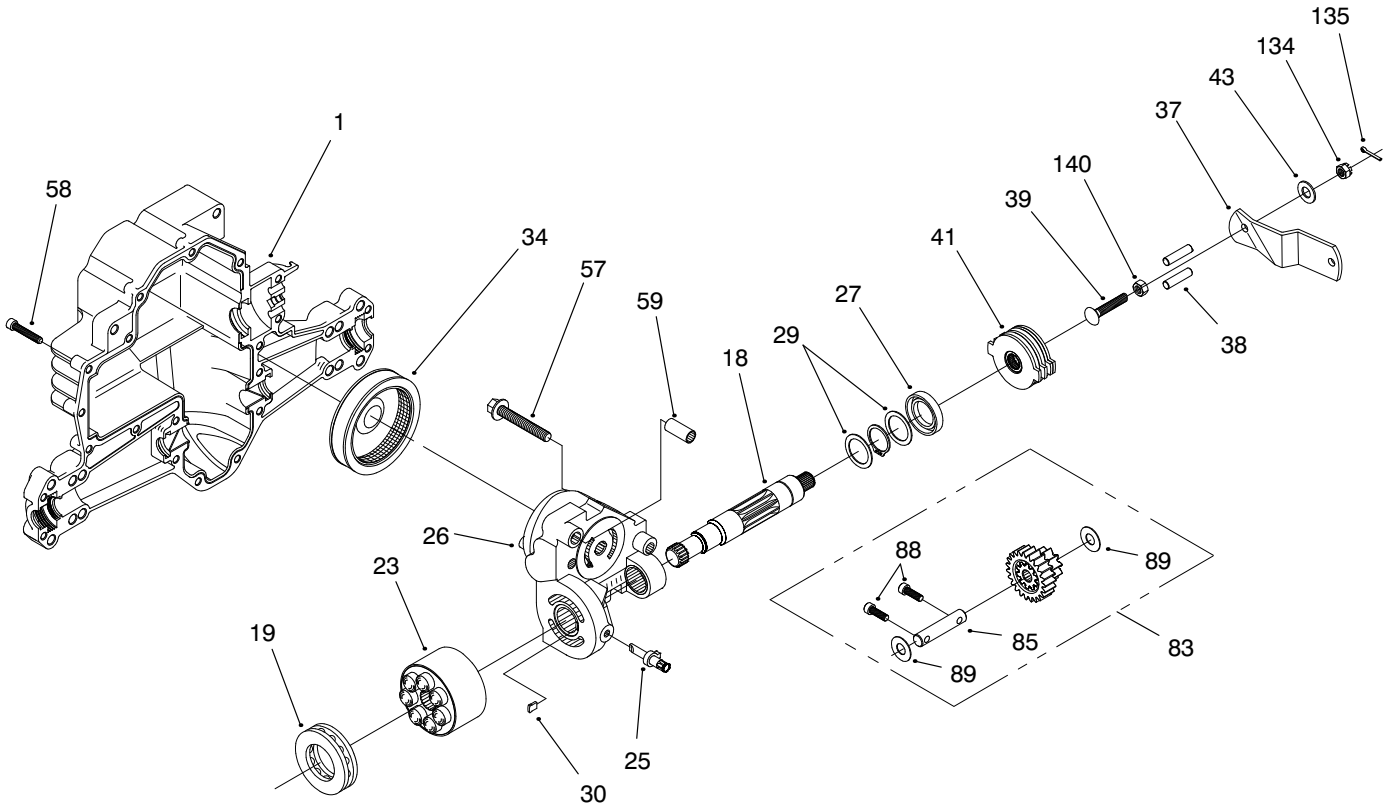


Sheet No.:16

Hydro Transaxle Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
44	95–3269	1	Differential ASM
52	94–1943	2	Washer
53	94–1924	2	Seal
90	94–1934	2	Sleeve – Bearing
91	94–1935	2	Seal – Wiper

Ref. No.	Part No.	Qty.	Description

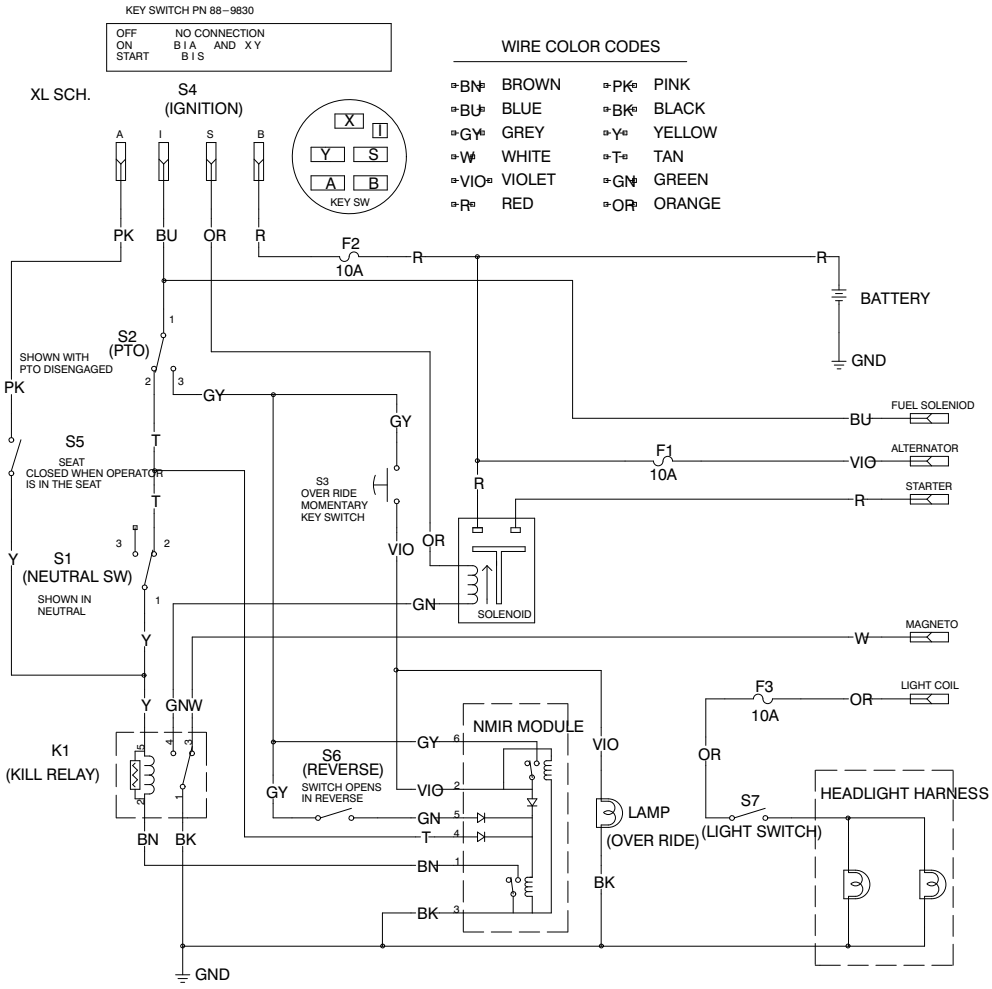


Sheet No.:17

Hydro Transaxle Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
1	94–1900	1	Housing – Lower
18	94–6955	1	Shaft – Motor
19	94–6923	1	Bearing – Thrust
23	94–1913	1	Block – Cylinder ASM
25	94–1914	1	Actuator – Bypass
26	94–1915	1	Centersection ASM
27	94–1916	1	Seal – Lip
28	94–1917	1	Ring – Retaining
29	94–1918	2	Washer
30	94–6925	1	Bypass Plate
34	94–1920	1	Oil Filter Element
37	93–3861	1	Lever – Brake
38	92–6549	1	Pin – Actuating
39	94–1923	1	Bolt
41	94–1919	4	Bolt Rotor/Starter Kit
43	5–4460	1	Washer – Fender
57	94–6926	3	Bolt
58	94–1926	21	Bolt
59	94–1927	2	Pin
83	94–1930	1	Jackshaft/Pinion Gear ASM
85	94–6956	1	Jackshaft
88	94–1932	2	Capscrew
89	94–1933	2	Washer
134	93–3807	1	Nut – Castle

Ref. No.	Part No.	Qty.	Description
135	3272–7	1	Pin – Cotter
140	3296–20	1	Nut – Lock

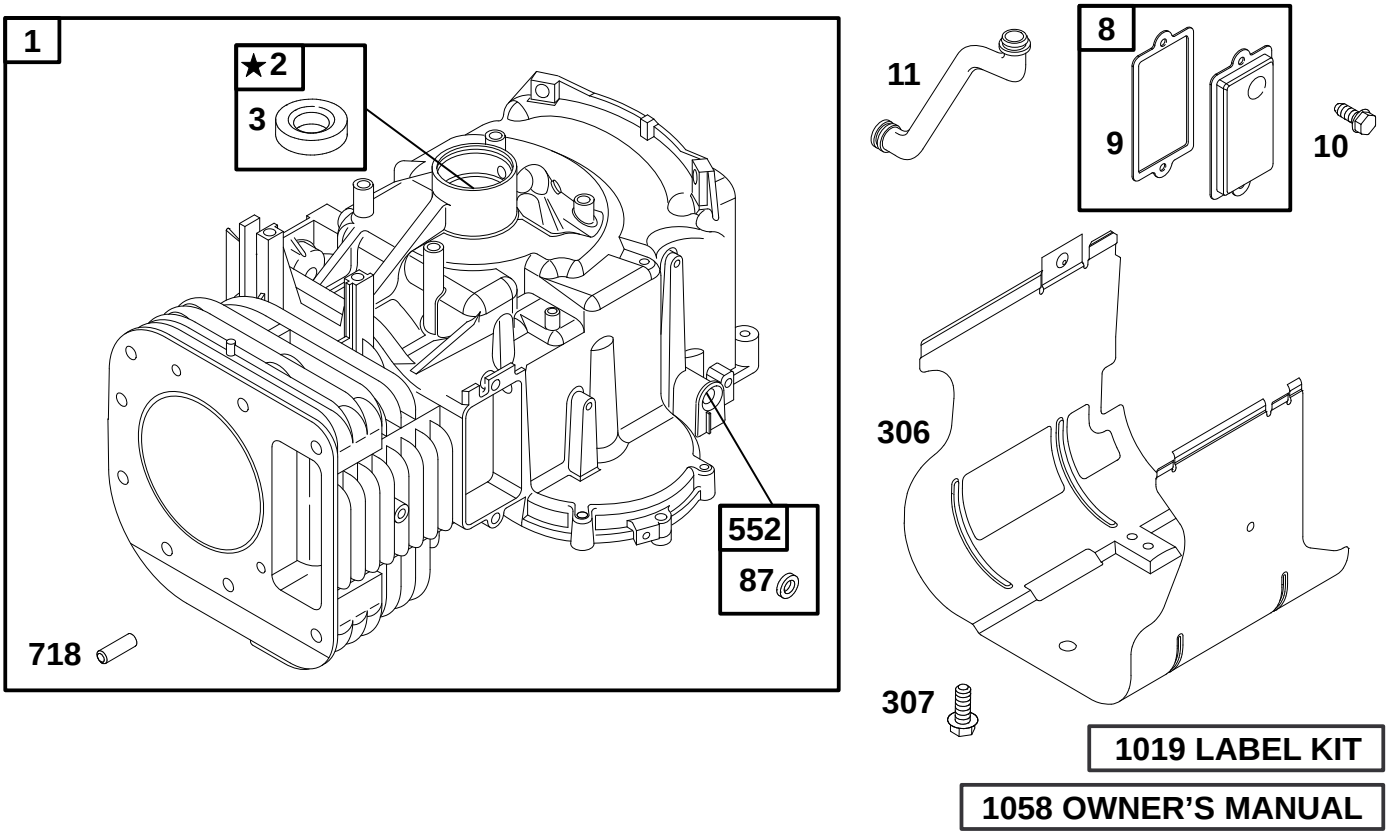


Sheet No.:18

Electrical Schematic

Ref. No.	Part No.	Qty.	Description
	218–578	3	Fuse–10 Amp

Ref. No.	Part No.	Qty.	Description



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

Assemblies include all parts shown in frames.

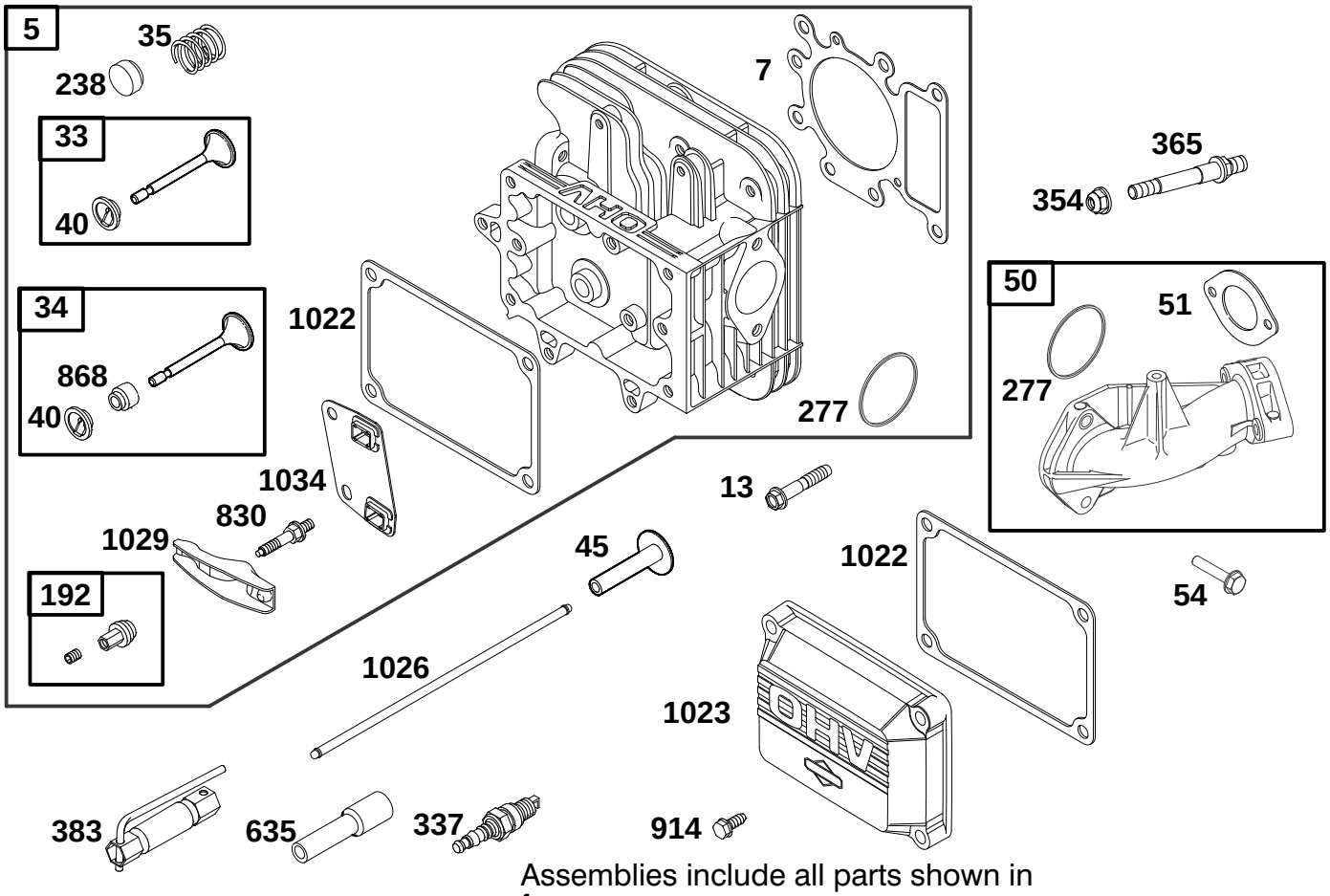
ENGINE BRIGGS & STRATTON MODEL 312777–0128–E1

Ref. No.	Part No.	Description	No. Used
1	690156	Cylinder Assembly	1
2	399265	Bushing/Seal Kit	1
3	⋆391086	Seal–Oil	1
8	495735	Breather Assembly	1
9	⋆27803	Gasket–Breather	1
10	691666	Screw–Hex.	1
11	281246	Tube–Breather	1

Ref. No.	Part No.	Description	No. Used
87	⋆491323	Seal–Governor Shaft	1
306	225020	Shield–Cylinder	1
307	94930	Screw–Hex.	1
552	491986	Bushing–Governor Crank	1
718	230192	Pin–Locating	1
1019	690180	Label Kit	1
1058	273683	Owner's Manual	1

⋆ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ⋆ Δ ● ◆.



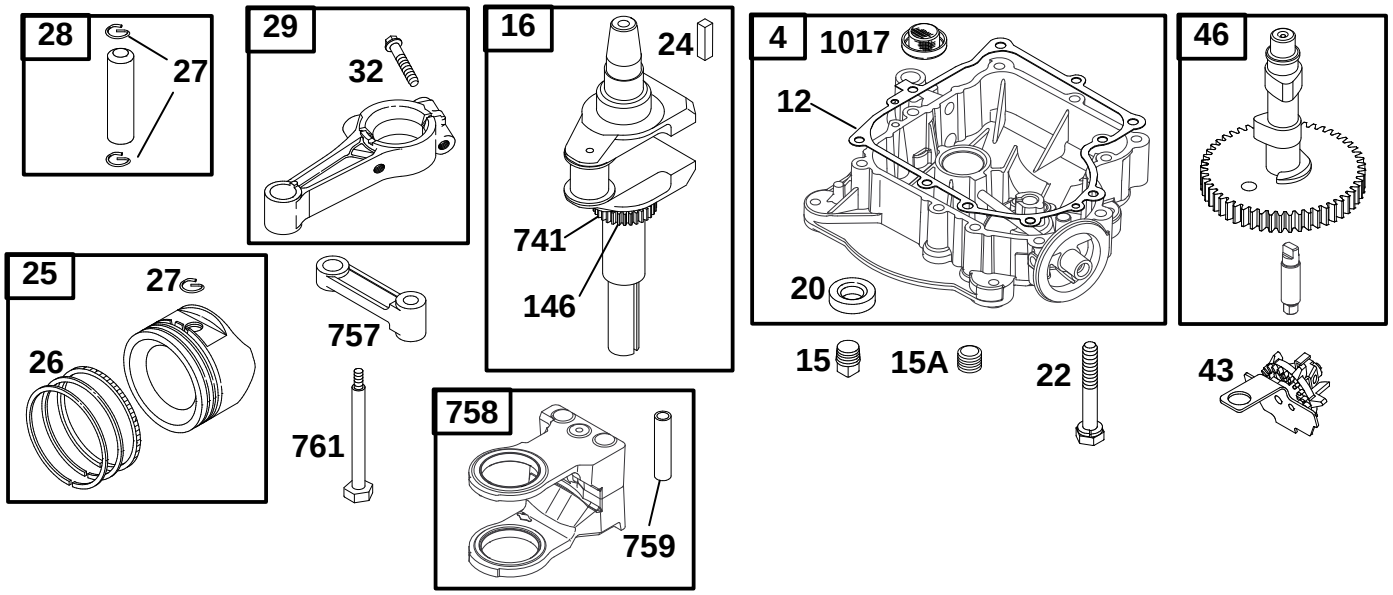
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 312777–0128–E1

Ref. No.	Part No.	Description	No. Used
5	690188	Head–Cylinder	1
7	Δ★692410	Gasket–Cylinder Head	1
13	690360	Screw–Hex.	1
33	495856	Valve–Exhaust	1
34	495857	Valve–Intake	1
35	262811	Spring–Valve	1
40	224641	Retainer–Valve	1
45	262411	Tappet–Valve	1
50	690193	Manifold–Intake	1
51	■273650	Gasket–Intake	1
54	95160	Screw–Hex.	1
192	492160	Adjuster–Rocker Arm	1
238	262836	Cap–Valve	1
277	Δ★692138	Seal–O-Ring	1

Ref. No.	Part No.	Description	No. Used
337	491055	Plug–Spark	1
354	94010	Nut–Hex.	1
365	690227	Stud–Carburetor Mtg.	1
383	89838	Wrench–Spark Plug	1
635	280872	Boot–Spark Plug	1
830	94555	Stud–Rocker Arm	1
868	Δ★499236	Seal–Valve	1
914	94682	Screw–Hex.	1
1022	Δ★272475	Gasket–Rocker Cover	1
1023	690388	Cover–Rocker	1
1026	494432	Rod–Push	
		Intake Rod–Push Exhaust	1
1029	224554	Arm–Rocker	1
1034	495248	Guide–Push Rod	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.
● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



Assemblies include all parts shown in frames.

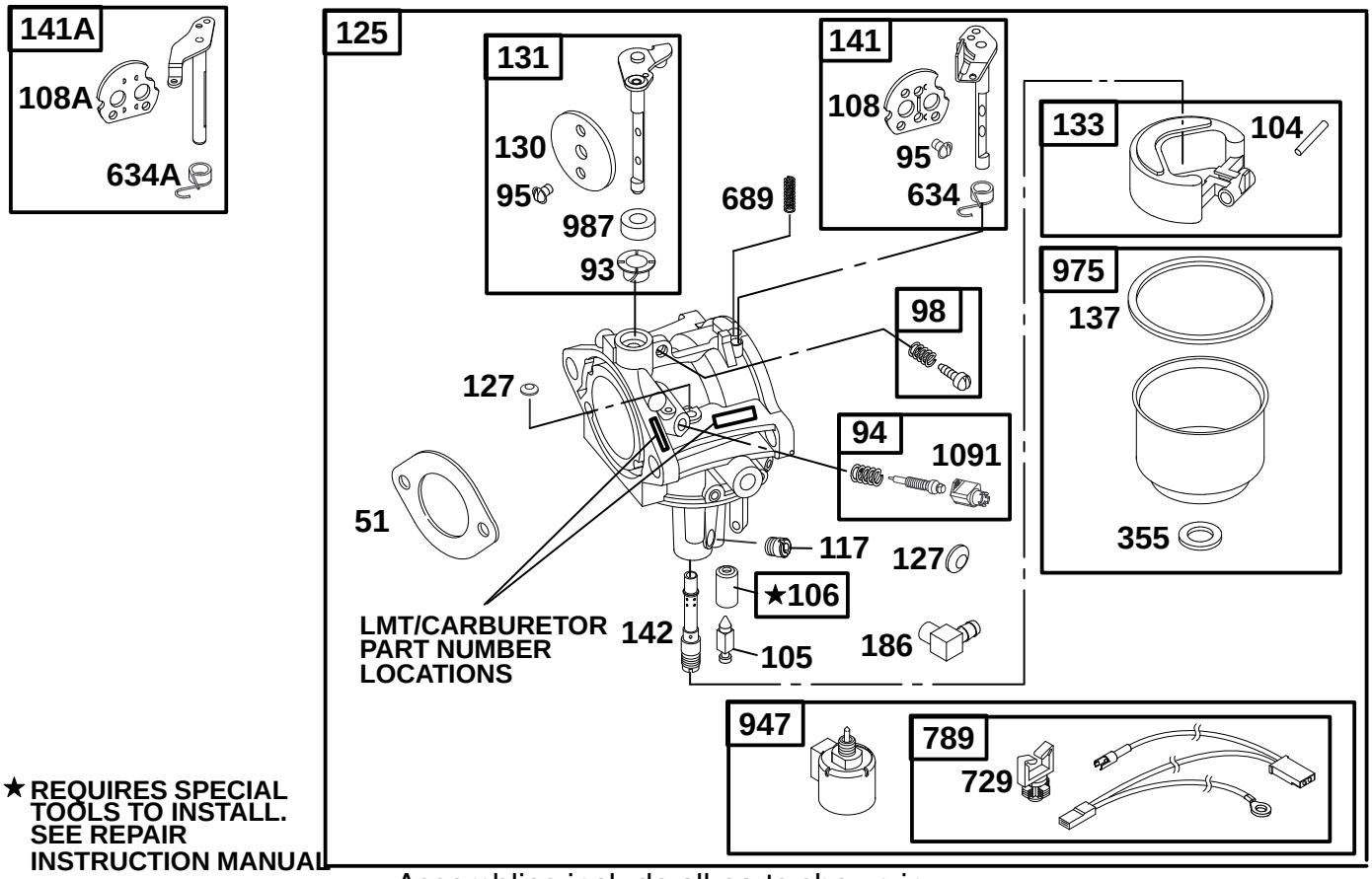
ENGINE BRIGGS & STRATTON MODEL 312777 – 0128 – E1

Ref. No.	Part No.	Description	No. Used
4	693582	Sump – Engine	1
12	⋆271916	Gasket – Crankcase .015” Thick	1
		Gasket – Crankcase .005” Thick	1
		Gasket – Crankcase .009” Thick	1
15	94239	Plug – Oil Drain	1
15A	91488	Plug – Oil Drain	1
16	690136	Crankshaft	1
20	⋆291675	Seal – Oil	1
22	692125	Screw – Hex.	1
24	222698	Key – Flywheel	1
25	692271	Piston Assembly Standard	1
		Piston Assy .010” O.S.	1
		Piston Assy..020” O.S.	1
		Piston Assy..030” O.S.	1

Ref. No.	Part No.	Description	No. Used
26	690162	Ring Set Standard	1
		Ring Set .010” O.S.	1
		Ring Set .020” O.S.	1
		Ring Set .030” O.S.	1
27	263129	Lock – Piston Pin	1
28	498319	Pin – Piston Standard	1
		Pin – Piston .005” O.S.	
29	692419	Rod – Connecting Standard	1
		Rod – Connecting .020” Undersize	1
32	692852	Screw – Connecting Rod	1
43	490815	Governor/Oil Slinger	1
46	693450	Gear – Cam	1
146	94196	Key – Timing	1
741	262932	Gear – Timing	1
757	213998	Link – Counterweight	1
758	499994	Counterweight	1
759	230787	Pin – Counterweight	1
761	94593	Screw – Hex.	1
1017	693292	Screen – Oil Pump	1

⋆ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ⋆ Δ ● ◆.



★ REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL

Assemblies include all parts shown in frames.

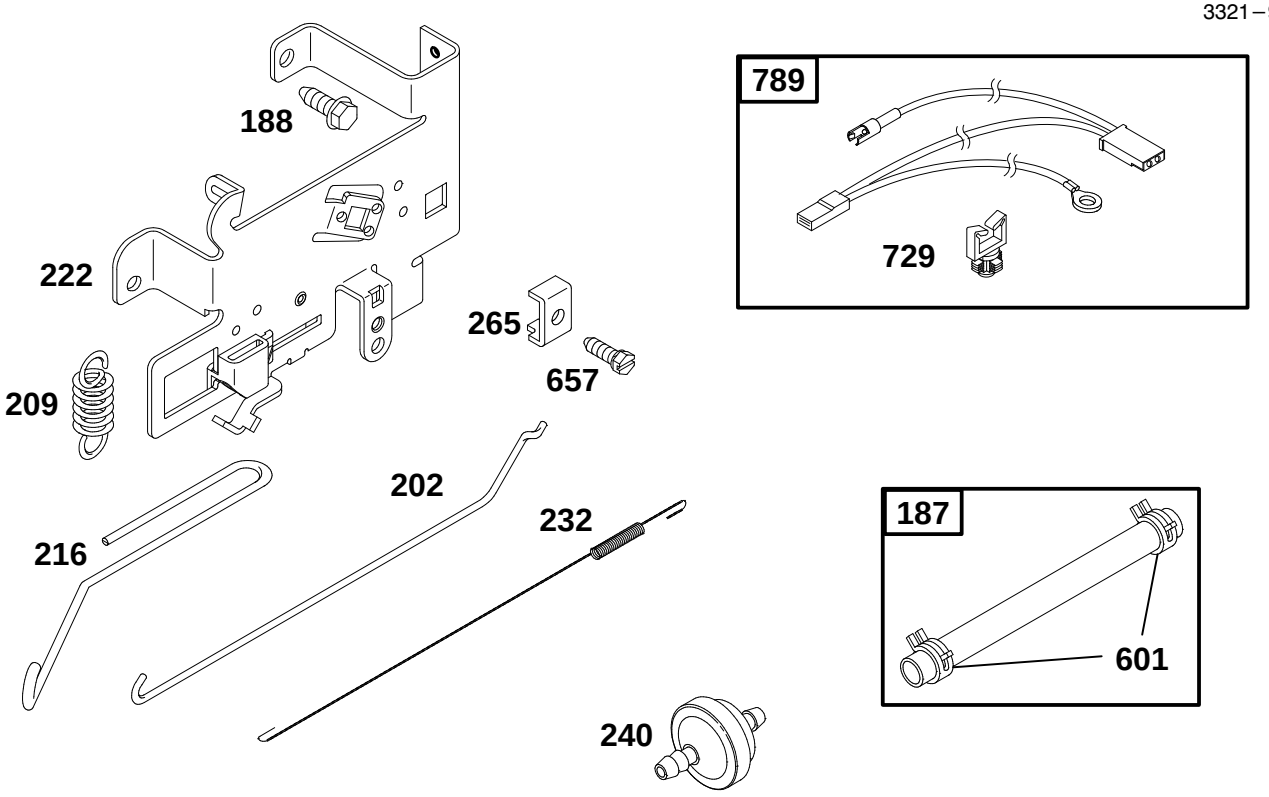
ENGINE BRIGGS & STRATTON MODEL 312777–0128–E1

Ref. No.	Part No.	Description	No. Used
51	●273650	Gasket–Carburetor	1
93	●281346	Bushing–Throttle Shaft	1
94	498030	Valve–Idle Adjust	1
95	●94098	Screw–Round Head	1
98	495800	Screw–Idle Adjust	1
104	●231789	Pin–Float Hinge	1
105	●231855	Valve–Inlet Needle	1
106	●231854	Seat–Inlet	1
108	224558	Valve–Choke (Manual)	1
108A	224540	Valve–Choke (Remote)	1
117	●232118	Jet–Main (Standard)	1
		Jet–Main (High Altitude)	1
125	499153	Carburetor	1
127	●	Plug–Welch (Sold in Kit Only)	1
130	224539	Valve–Throttle	1

Ref. No.	Part No.	Description	No. Used
131	494379	Shaft–Throttle	1
133	494381	Float–Carburetor	1
137	●◆281165	Gasket–Float Bowl	1
141	495097	Shaft–Choke (Manual)	1
141A	495931	Shaft–Choke (Remote)	1
142	●232117	Nozzle–Carburetor	1
186	493496	Elbow–Fuel Pipe	1
355	●◆281164	Washer–Float Bowl	1
634	●494453	Seal–Spring Assembly	1
634A	●494455	Seal–Spring Assembly	1
689	262715	Spring–Friction	1
789	497708	Harness–Wiring	1
947	497672	Solenoid	1
975	495933	Bowl–Float	1
987	●281166	Seal–Throttle Shaft	1
1091	691333	Cap–Limiter	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



Assemblies include all parts shown in frames.

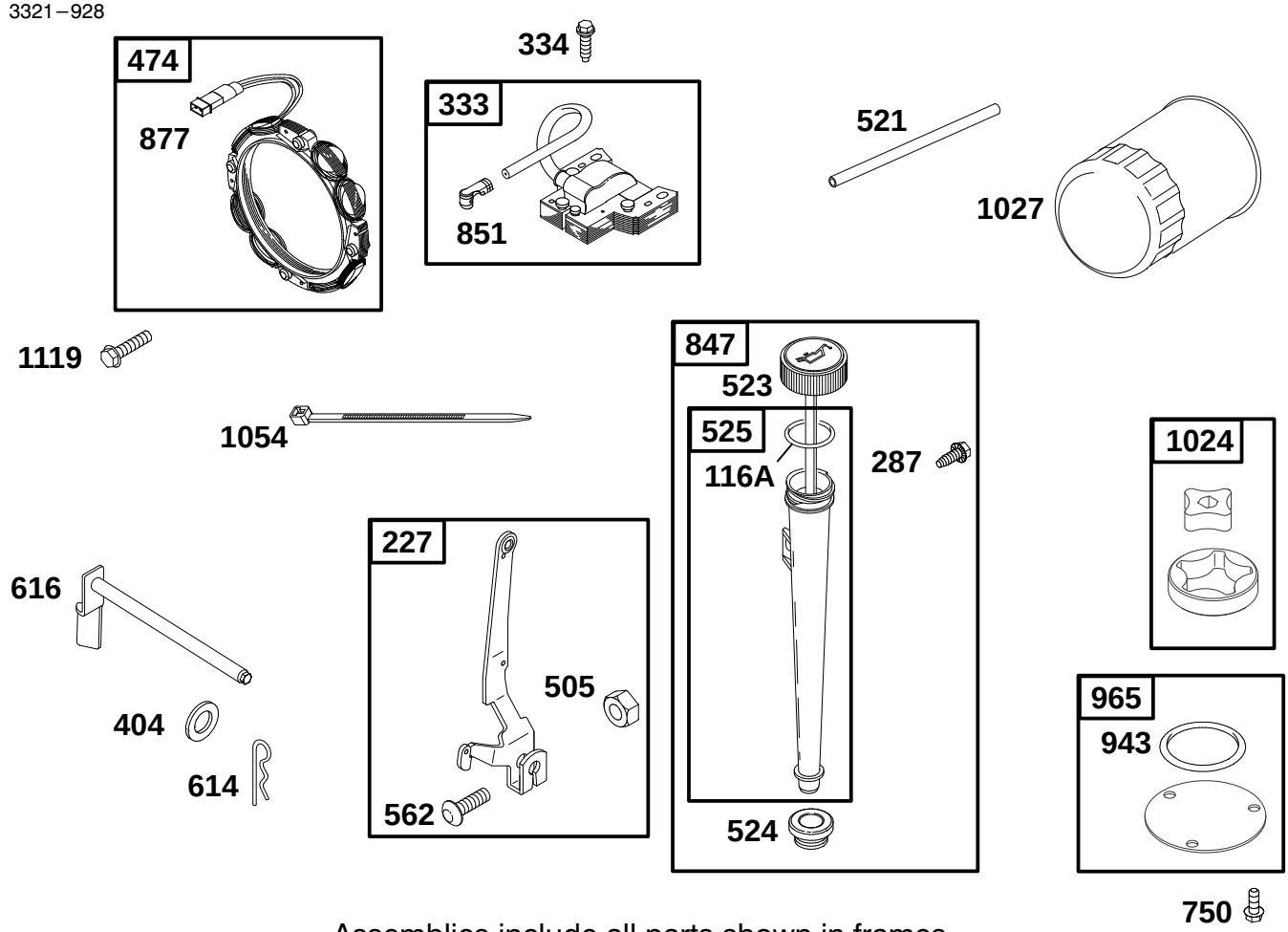
ENGINE BRIGGS & STRATTON MODEL 312777 – 0128 – E1

Ref. No.	Part No.	Description	No. Used
187	298049	Line – Fuel	
		Cut to Required Length	1
188	94929	Screw – Hex.	1
202	262767	Link – Choke	1
209	260695	Spring – Governor	1
216	262766	Link – Choke	1
222	694042	Bracket – Control	1
232	262785	Spring – Link	1

Ref. No.	Part No.	Description	No. Used
240	394358	Filter – Fuel	1
265	221535	Clamp – Casing	1
601	95162	Clamp – Hose	1
657	94906	Screw – Slotted Hex.	1
729	281390	Clip – Wire	1
789	497708	Harness – Wiring	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



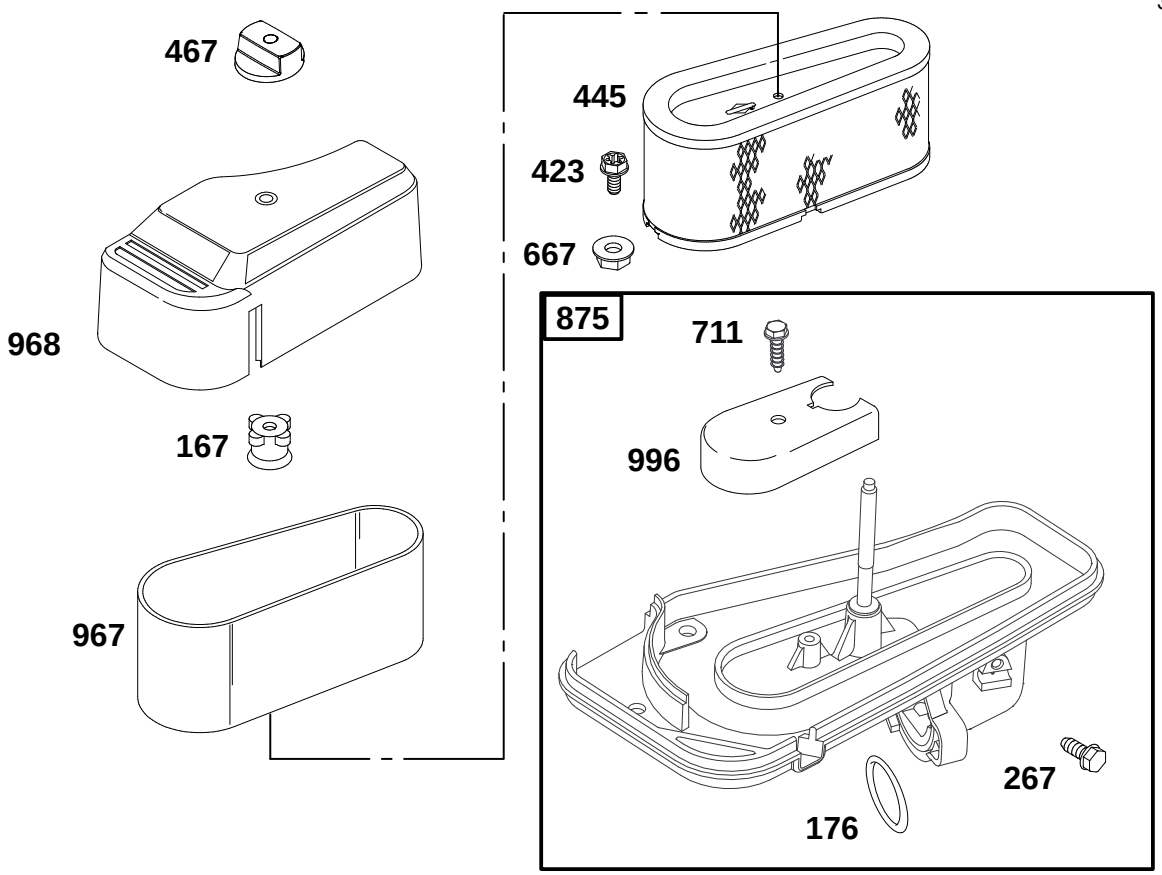
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 312777–0128–E1

Ref. No.	Part No.	Description	No. Used
116A	★270920	Seal–O-Ring	1
227	493935	Lever–Governor	1
287	94903	Screw–Shoulder	1
333	495859	Armature–Magneto	1
334	94731	Screw–Hex.	1
404	94927	Washer–Flat	1
474	393474	Alternator	1
505	231978	Nut–Hex.	1
521	690581	Shield–Cable	1
523	495230	Dipstick	1
524	★281370	Seal–Fill Tube	1
525	691398	Tube–Oil Fill	1
562	94907	Bolt–Governor Lever	1

Ref. No.	Part No.	Description	No. Used
614	93306	Pin–Cotter	1
616	495157	Crank–Governor	1
750	691033	Screw–Hex.	1
847	496415	Dipstick/Tube Assembly	1
851	224110	Terminal–Cable	1
877	393456	Connector–Alt. Output	1
943	★280801	Seal–O-Ring	1
965	499613	Cover–Pump	1
1024	499054	Pump–Oil	1
1027	492932	Filter–Oil	1
1054	280275	Tie–Cable	1
1119	93621	Screw–Hex.	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.
● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



Assemblies include all parts shown in frames.

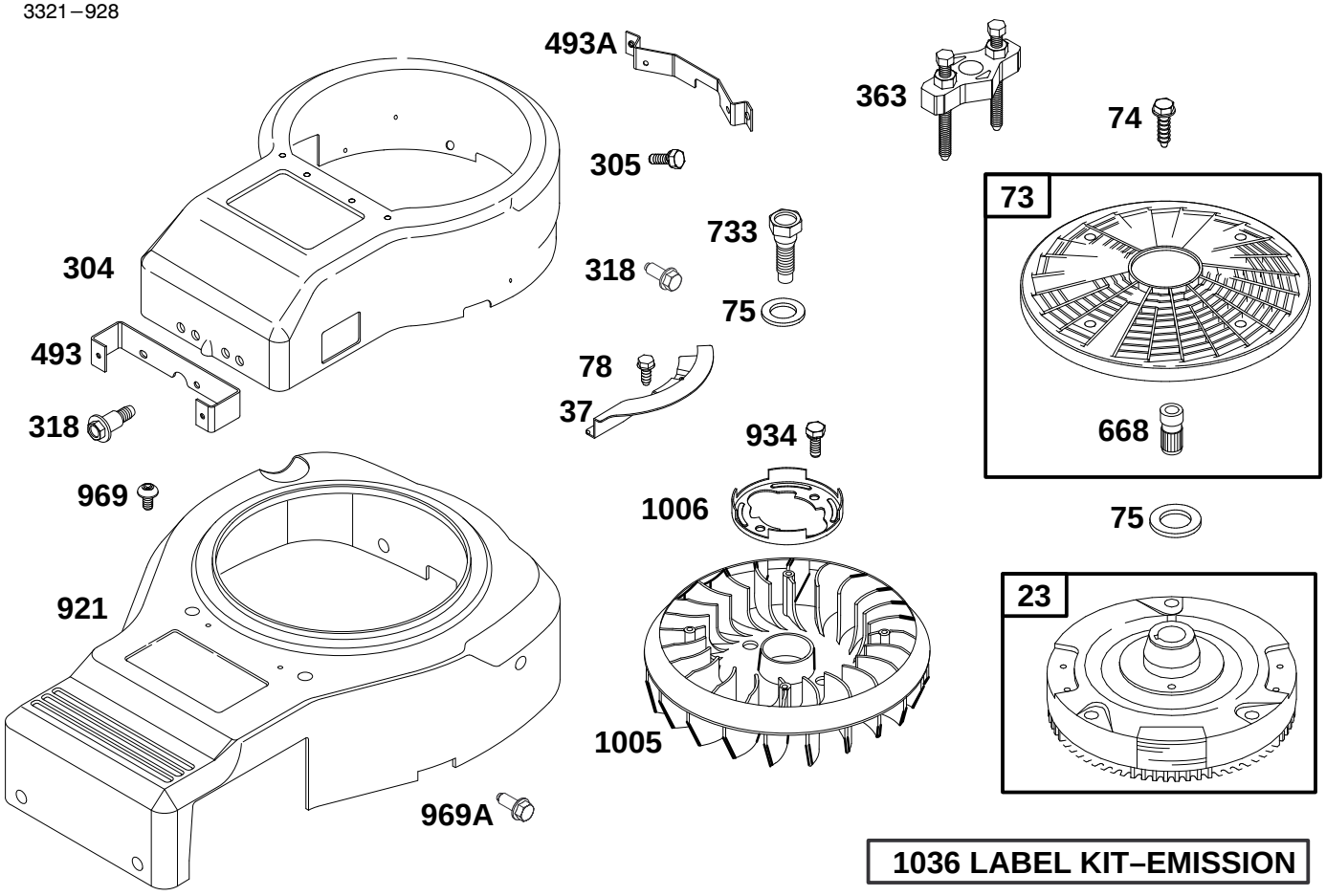
ENGINE BRIGGS & STRATTON MODEL 312777–0128–E1

Ref. No.	Part No.	Description	No. Used
167	281051	Knob–Air Cleaner	1
176	★281106	Gasket–Air Cleaner	1
267	693675	Screw	1
423	692129	Screw–Torx®Hex.	1
467	493903	Nut– Air Cleaner	1
445	496894	Filter–Air Cleaner Element	1

Ref. No.	Part No.	Description	No. Used
667	94010	Nut	1
711	94704	Screw	1
875	693686	Base–Air Cleaner Plastic	1
967	272403	Filter–Pre-Cleaner	1
968	692355	Cover–Air Cleaner	1
996	690678	Shield–Carburetor	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



Assemblies include all parts shown in frames.

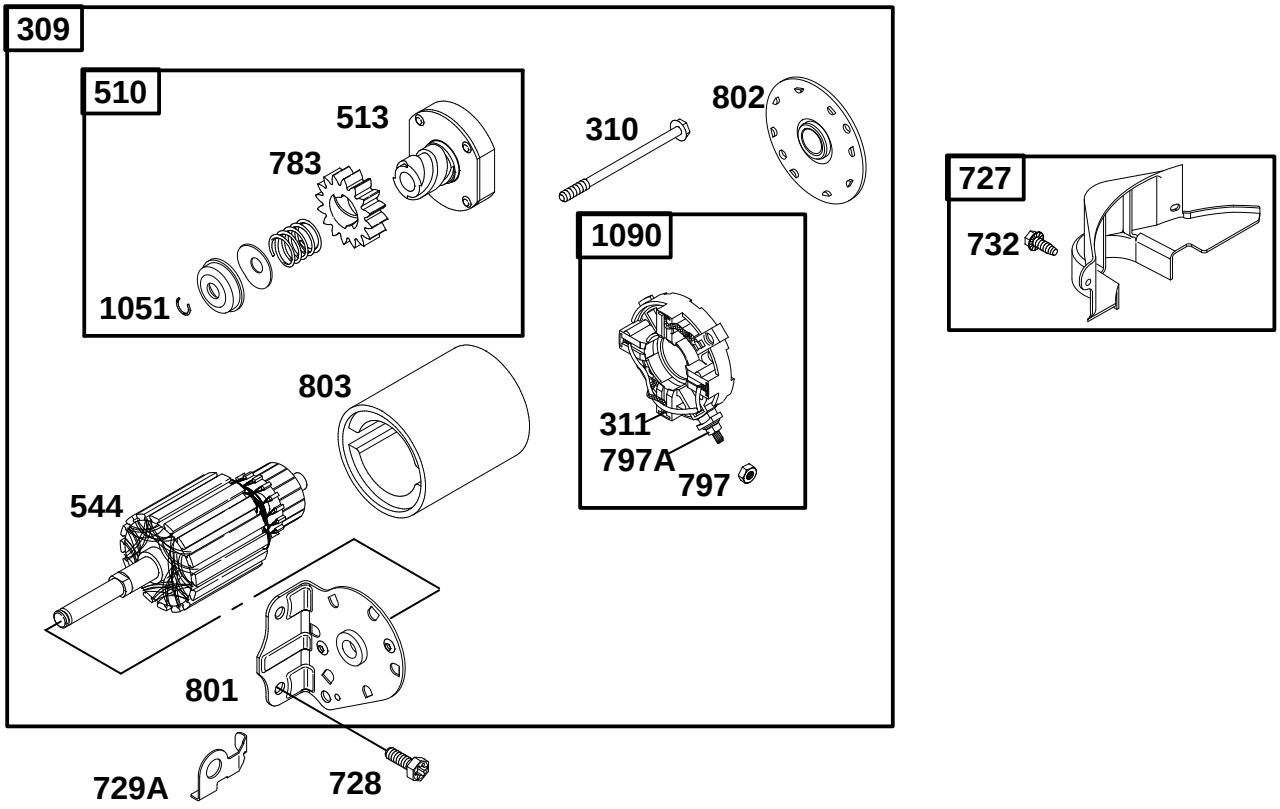
ENGINE BRIGGS & STRATTON MODEL 312777-0128–E1

Ref. No.	Part No.	Description	No. Used
23	693557	Flywheel	1
37	690456	Guard–Flywheel	1
73	494439	Screen–Rotating	1
75	225136	Washer–Flywheel	1
74	94821	Screw–Torx®	1
78	94896	Screw–Hex.	1
304	690497	Housing–Blower	1
305	690960	Screw–Blower Housing	1
318	692127	Screw–Shoulder	1
363	19203	Flywheel Puller	1
493	224968	Bracket–Mounting Front	1

Ref. No.	Part No.	Description	No. Used
493A	224969	Bracket–Mounting Rear	1
668	805402	Spacer	1
733	94673	Screw–Shoulder	1
921	690496	Cover–Blower Housing	1
934	94627	Screw–Hex.	1
969	690365	Screw–Torx®	1
969A	690960	Screw–Hex.	1
1005	281400	Fan–Flywheel	1
1006	690452	Retainer–Fan	1
1036	694332	Label Kit–Emission	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



Assemblies include all parts shown in frames.

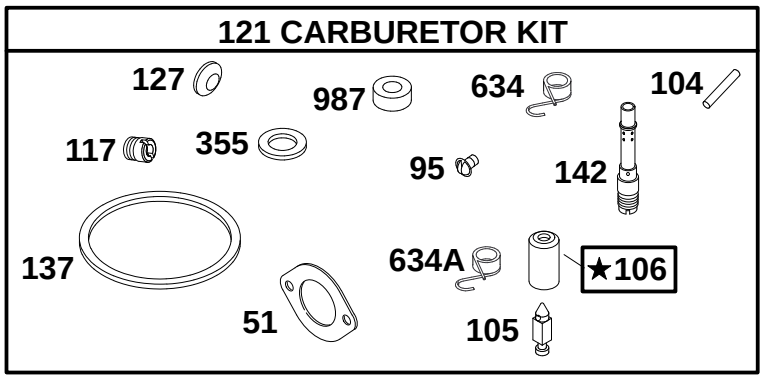
ENGINE BRIGGS & STRATTON MODEL 312777-0128 – E1

Ref. No.	Part No.	Description	No. Used
309	693551	Motor – Starter	1
310	94003	Screw (Starter Motor)	1
311	497608	Brush Set	1
510	693699	Drive – Starter	1
513	398003	Clutch – Drive	1
544	497603	Armature – Starter	1
697	690372	Screw (Starter Motor Mounting)	1
727	490324	Cover – Starter Drive	1
729A	691224	Clip – Wire	1

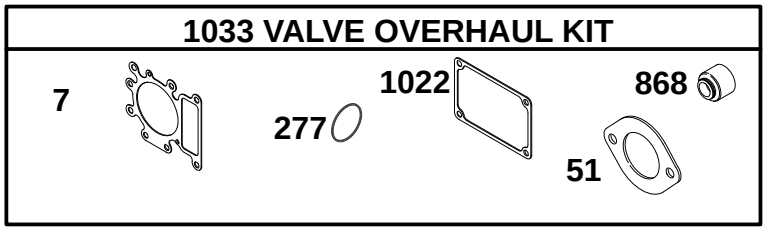
Ref. No.	Part No.	Description	No. Used
732	691097	Screw (Starter Drive Cover)	1
783	693713	Starter – Pinion (Steel)	1
797	92278	Nut (Starter Terminal)	1
797A	693167	Nut (Starter Terminal)	1
801	497626	Cap – Drive	1
802	497607	Cap – End	1
803	693757	Housing – Starter	1
1051	263080	Ring – Retainer	1
1090	497605	Retainer – Brush	1

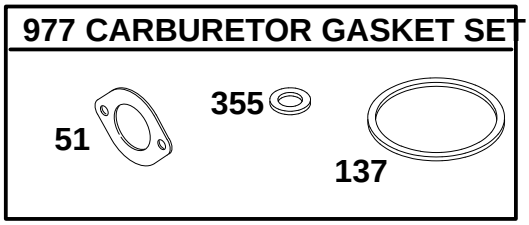
★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

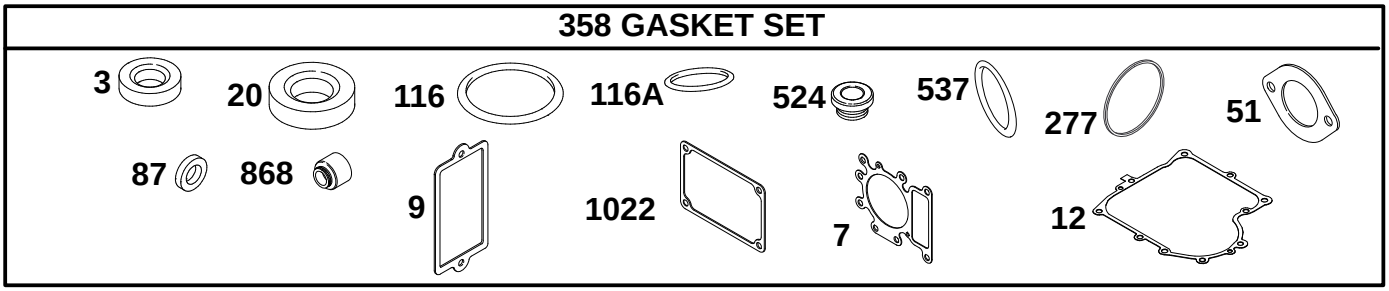
● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.



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







Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 312777-0128–E1

Ref. No.	Part No.	Description	No. Used
3	★391086	Seal–Oil	1
7	Δ★692410	Gasket–Cylinder Head	1
9	★27803	Gasket–Breather	1
12	★271916	Gasket–Crankcase .015” Thick	1
		Gasket–Crankcase .005” Thick	1
		Gasket–Crankcase .009” Thick	1
20	★291675	Seal–Oil	1
51	■273650	Gasket–Intake	1
87	★491323	Seal–Governor Shaft	1
95	●94098	Screw–Choke/Throttle	1
104	●231789	Pin–Float Hinge	1
105	●231855	Valve–Needle	1
106	●231854	Seat–Inlet	1
116	★280801	Seal–O-Ring	1
116A	★270920	Seal–O-Ring	1
117	●232118	Jet–Main	1

Ref. No.	Part No.	Description	No. Used
121	690191	Carburetor Kit	1
127	●	Plug–Welch Sold In Kit Only	1
137	◆●281165	Gasket–Float Bowl	1
142	●231117	Nozzle–Carburetor	1
277	Δ★692138	Seal–O-Ring	1
355	◆●281164	Washer–Seal	1
358	690189	Gasket Set	1
524	★281370	Seal–Fill Tube	1
537	★281106	Gasket–Air Cleaner	1
634	●494453	Seal–Spring Assembly LMT 155	1
634A	●494455	Seal–Spring Assembly LMT 154	1
868	Δ★499236	Seal–Valve	1
977	690192	Gasket Set–Carburetor	1
987	●281166	Seal–Throttle Shaft	1
1022	Δ★272475	Gasket–Rocker Cover	1
1033	690190	Kit–Valve Overhaul	1

★ Included in Gasket Set–Ref. 358.
Δ Included in Valve Overhaul Kit–Ref. 1033.

● Included in Carburetor Kit–Ref. 121.
◆ Included in Carburetor Gasket Set–Ref. 977.
■ Included in Kits ★ Δ ● ◆.

MAINTENANCE RECORD

Date								

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Date								