Form No. 3324–347

Wheel Horse®

16–38H Lawn Tractor

Model No. 77104–200000001 and Up

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b.** The **a** represents the reference number of the entire service assembly and the **b** represents 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 illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y.** The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number 37 are indicated.

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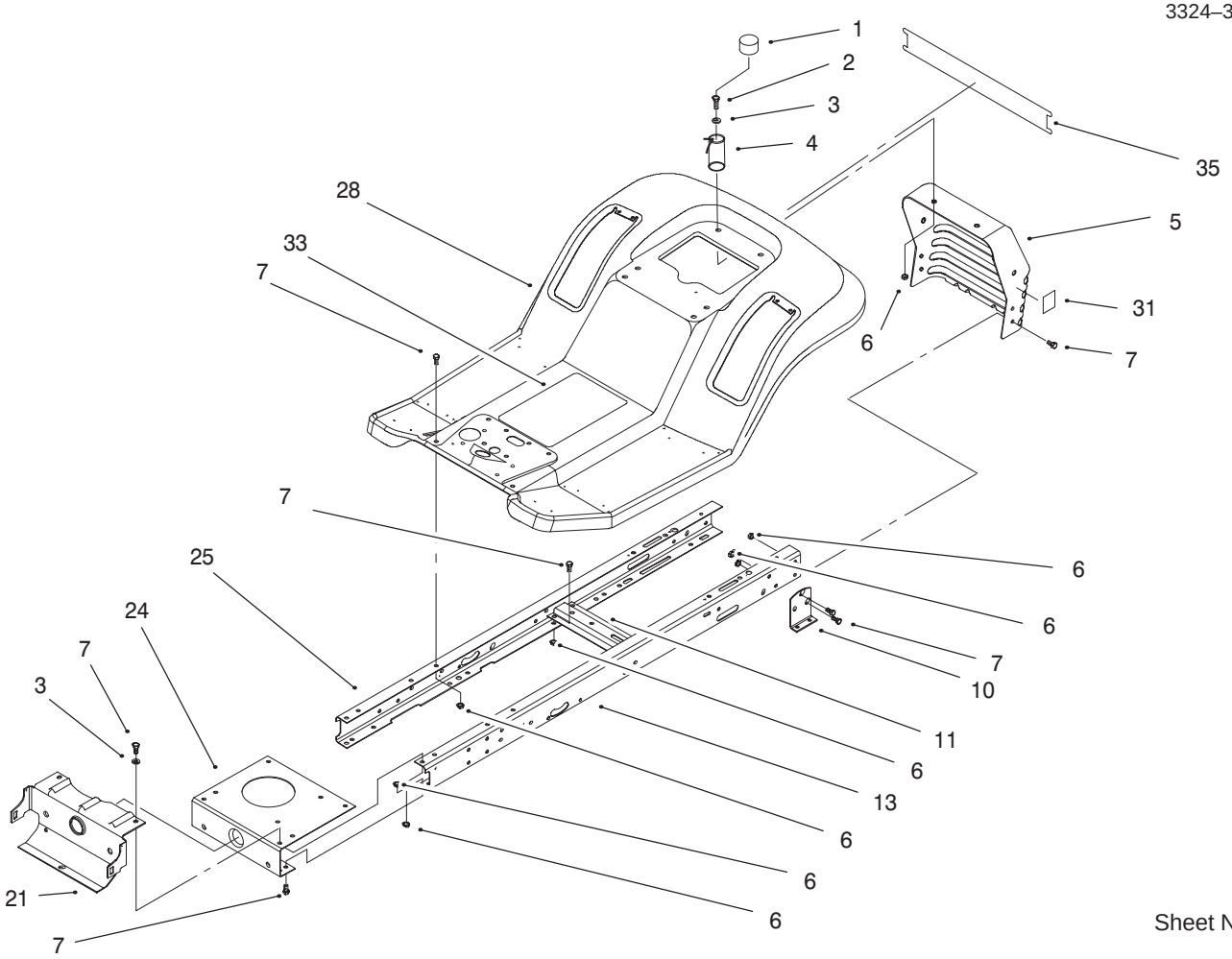
Accessories

Description	Model / Part No.
Easy Empty Bagging Kit	Model 79116 or 79117
Twin Bagger Kit	Model 79101 or 79103
Recycler Kit (Std. on both Models)	Model 79170
Hi–Sail Bagging Blade (Std. on 71241) (Optional on 71225)	Part No. 57–4700
Tire Chains	Part No. 11–0430
Headlight Kit (Std. on both Models)	Model 79180
42” (106.7cm) Snowblade Kit	Model 79150
Wheel Weight Kit	Model 59159
Anti–Scalp Kit (Std. on 71241) (Optional on 71221)	Model 79182

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
HH	hex head
HHF	hex head flange
HLH	hex lag head
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
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

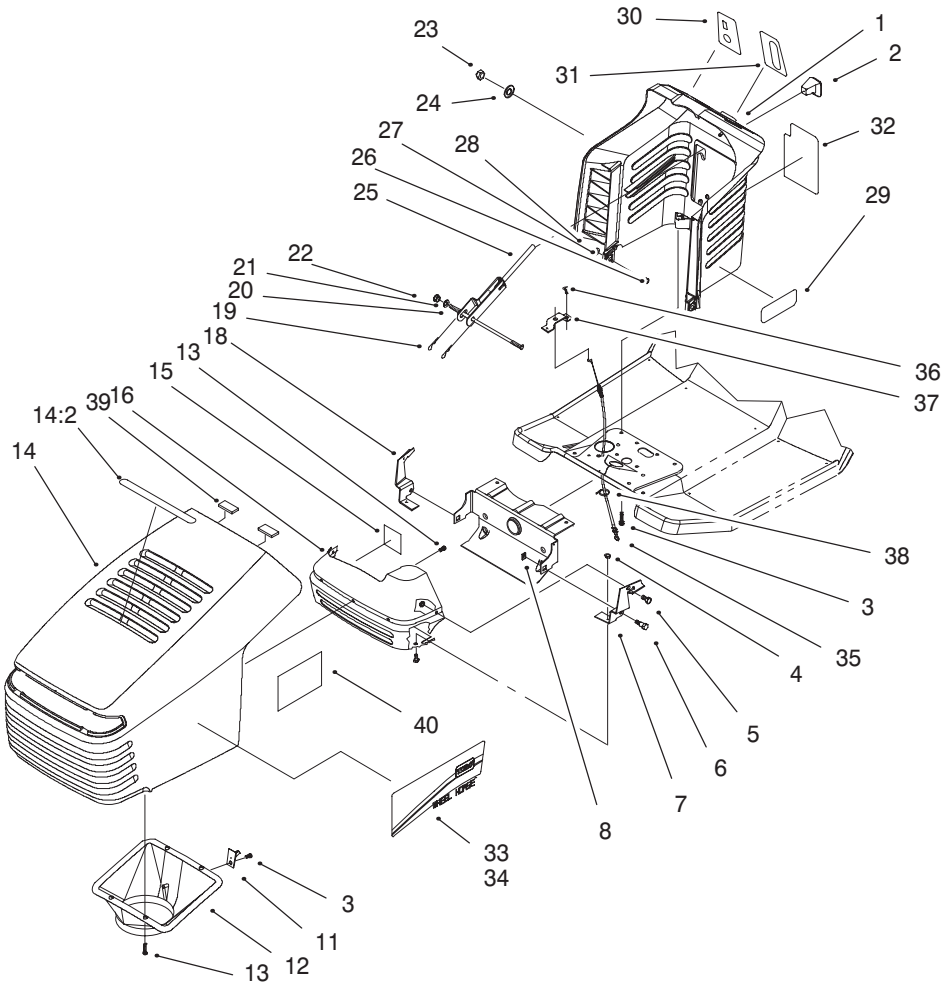


Sheet No.:2

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	88–5260–03	2	Bracket–Transaxle Mtg
11	88–4620–03	1	Bracket–Idler Pivot
13	99–2958–03	1	Rail– LH Frame
21	98–3575–03	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
33	99–6095	1	Decal – Instruction Hydro
35	95–0809	1	Decal–Rear Body

Ref. No.	Part No.	Qty.	Description

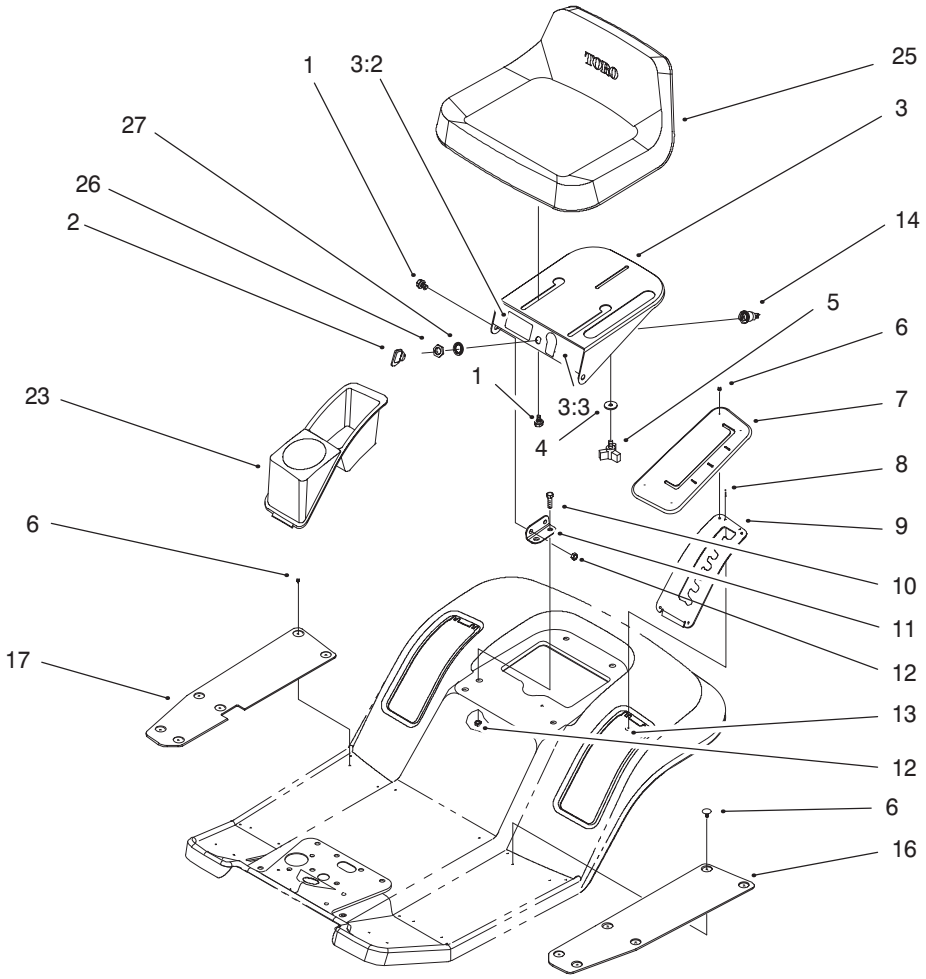


Sheet No.:3

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	Screw–HWH
4	3296–42	4	Nut–Lock
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	93–3819	1	Hood–w/Decal 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	Hairpin
20	100–7401	1	Rod–Tower Pivot
21	3256–24	2	Washer–Flat
22	3218–3	2	Nut–Jam
23	100–7402	2	Nut–Cap
24	100–7403	2	Washer–Flat
25	88–5190–03	1	Deck Engage Lev Wa
26	3296–29	2	Nut–Lock, NI
27	3256–23	2	Washer–Flat
28	322–3	2	Screw–HH

Ref. No.	Part No.	Qty.	Description
29	100–6248	2	Decal–1638 Hxl
30	99–8139	1	Decal–Ignition/Lights
31	92–2461	1	Decal – Throttle
32	92–2462	1	Decal – Deck Engage
33	95–0808	1	Decal – Hood Left
34	95–0807	1	Decal – Hood Right
35	99–6837	1	Cable ASM–Deck, 38”
36	9266714	2	Screw–HWH
37	93–3849	1	Brkt–Upper Cable
38	614249	1	Tie Strap
39	94–1980	2	Foam – Hood
40	100–7442	1	Decal–Maintenance,7 104

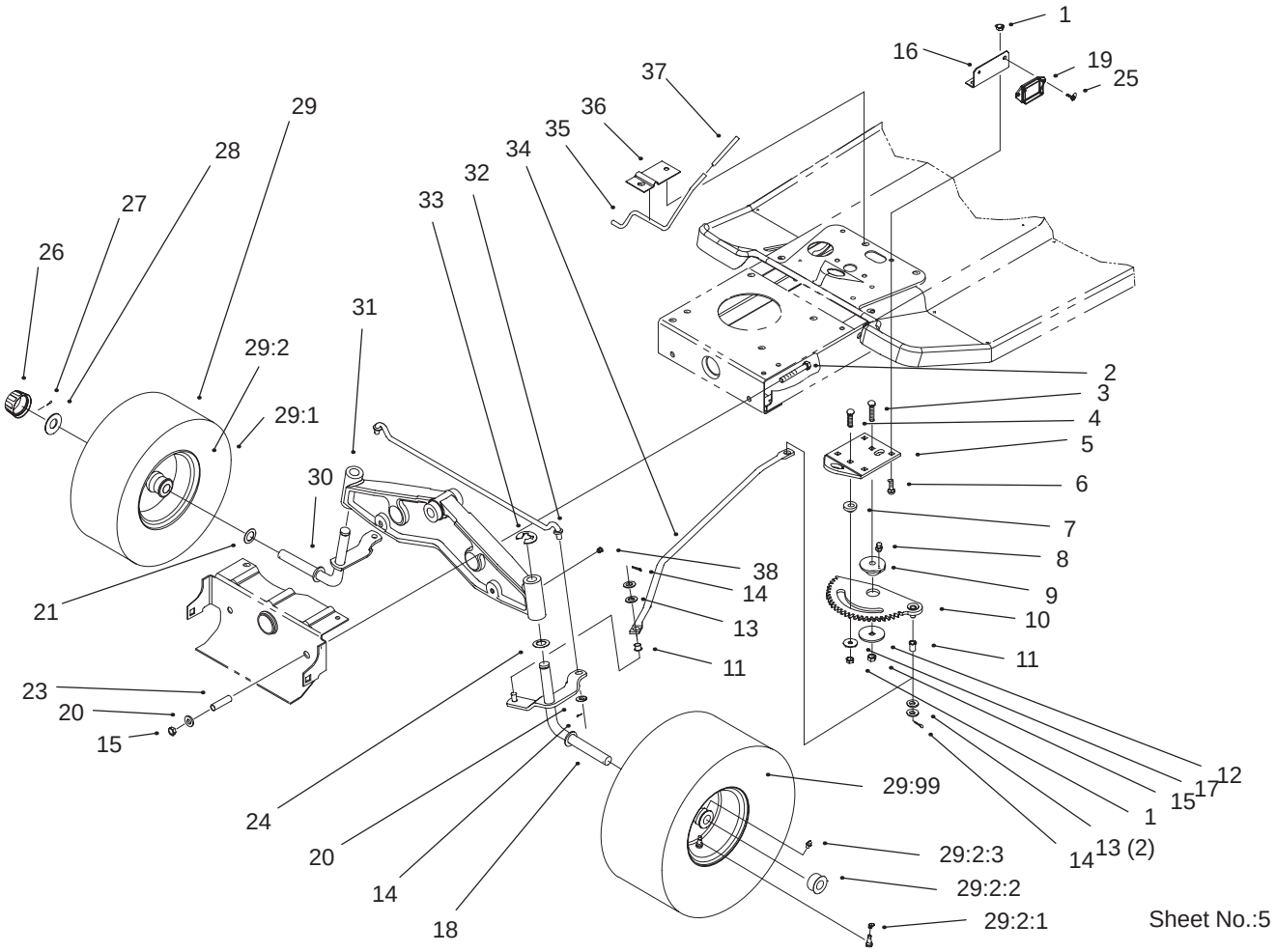


Sheet No.:4

Rear Body & Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	37–8770	4	Bolt–Shoulder
2	63–8360	1	Key–Ignition
3	99–5830	1	Support ASM–Seat
3:2	99–2985	1	Decal–Danger
3:3	99–5339	1	Decal–Nmir Switch
4	5–4460	1	Washer–Pivot
5	92–9674	1	Knob
6	3290–479	16	Fastener–Panel
7	88–5170	1	Cover – HOC
8	3290–282	2	Rivet–Pop, Steel
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
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	88–3950	1	Seat – Medium Back
26	218–461	1	Nut–HH
27	3254–5	1	Washer–Lock/Int

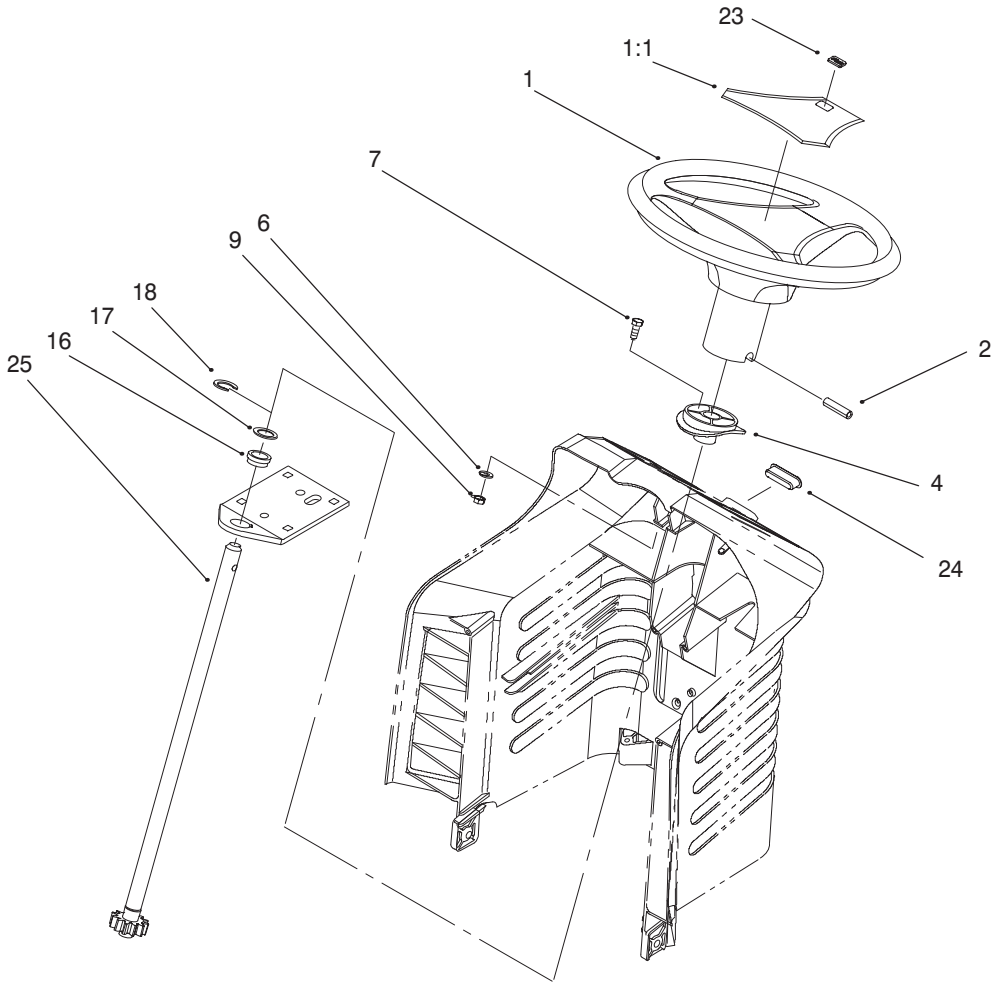
Ref. No.	Part No.	Qty.	Description



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	2	Bushing–Steering Link
12	111419	1	Bearing–Washer
13	3256–25	4	Washer–Flat
14	3272–10	4	Pin–Cotter
15	3296–39	3	Nut–Lock, NI
16	99–2956–03	1	Bracket–Module
17	5–4460	1	Washer–Pivot
18	92–7890–03	1	LH Spindle Wa
19	99–3700	1	Module–Nmir
20	3256–24	4	Washer–Flat
21	3–6498	4	Washer–Thrust
23	88–5470	2	Spacer–Front Axle
24	3–6498	2	Washer–Thrust
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,Front
29:1	99–2988	1	Tire
29:2	88–4370	1	15” Rim ASM
29:2:1	232–27	1	Stem–Valve
29:2:2	88–4400	2	Bearing – Wheel
29:2:3	302–5	1	Fitting–Lube
29:99	232–39	1	Tube
30	92–7889–03	1	RH Spindle Wa
31	99–6844–03	1	Axle–Front
32	88–5380	1	Tie Rod – Steering
33	32151–48	2	E–Ring
34	88–4830	1	Link–Drag
35	88–5510	1	Rod–Parking Brake
36	88–5520–03	1	Bracket–Parking Brake
37	88–0890	1	Grip–Bag Handle
38	302–5	2	Fitting–Lube

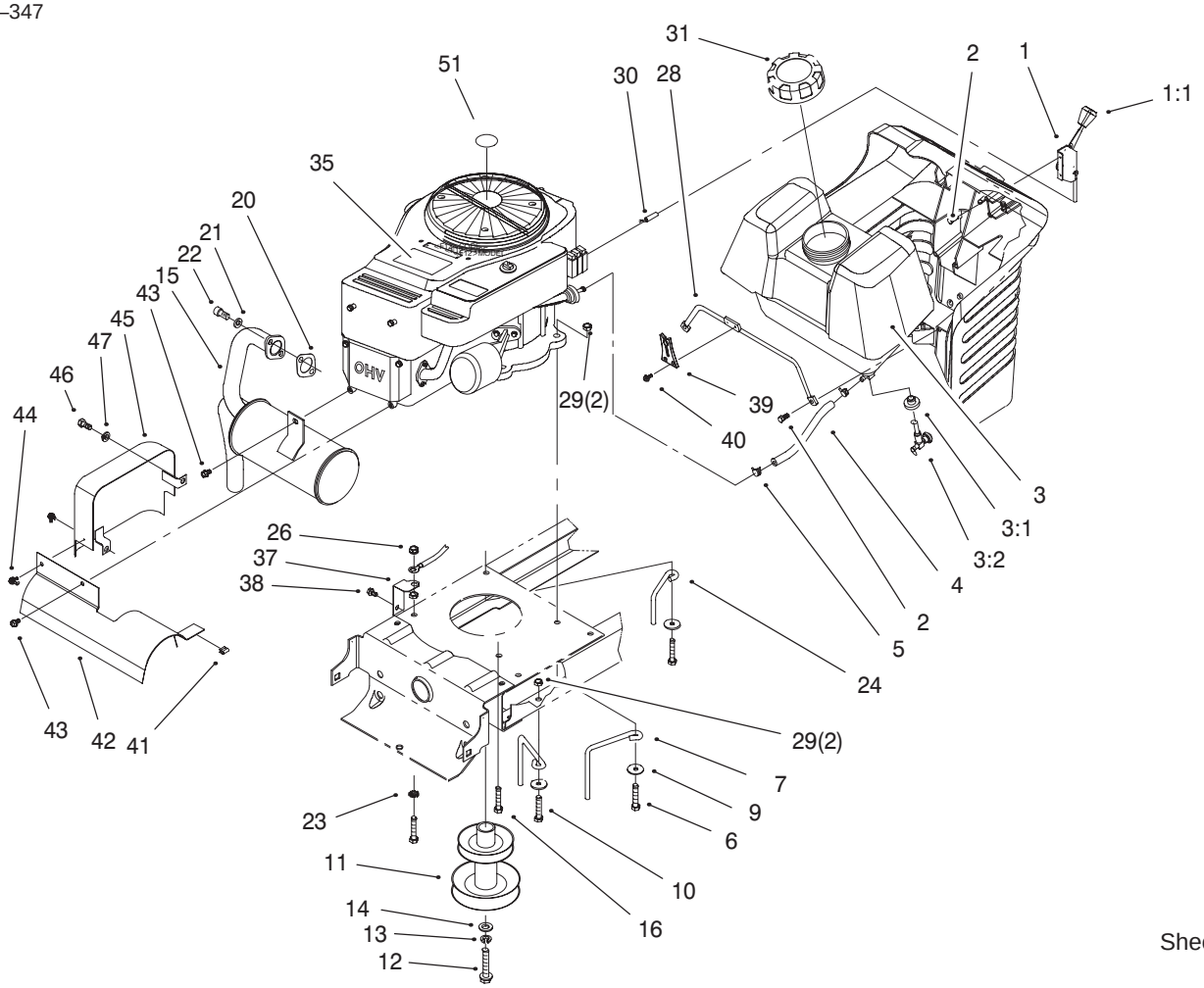


Sheet No.:7

Fixed 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
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

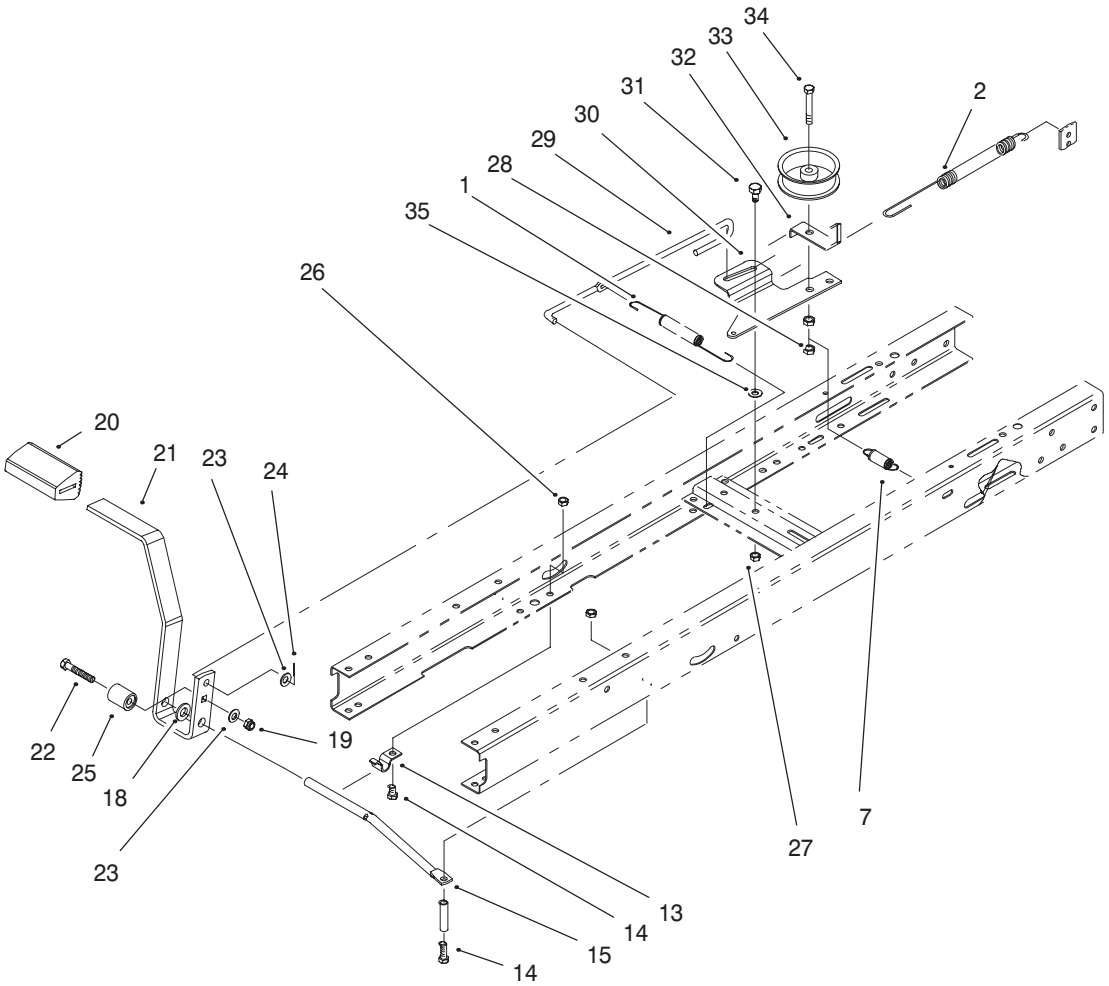


Sheet No.:8

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	88–4850	1	Engine Pulley
12	62–3760	1	Screw–HH
13	3253–22	1	Washer–Lock/Sp
14	3256–25	1	Washer–Flat
15	94–1953	1	Muffler – Exhaust
16	9267154	1	Screw
20	88–4410	1	Gasket–Muffler
21	3253–4	2	Washer
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
29	3296–29	4	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description
30	88–4350	1	Cable–Throttle
31	88–3980	1	Gas Cap Assembly
35	100–6249	1	Decal – Engine
37	93–3809	1	Bracket– Ground
38	9266714	1	Screw–HWH
39	94–1951	1	Latch – Hood
40	32144–112	2	Screw–Forming, Thread
41	93–3882	1	Clip – Tinnerman, U
42	93–3880–03	1	Shield–Muffler
43	9266714	2	Screw–HWH
44	32104–76	2	Screw–Slot, Acorn
45	93–8450–03	1	Wa – Exhaust Shield
46	322–3	1	Screw–HH
47	3253–4	1	Washer
51	99–6842	1	Decal–Logo

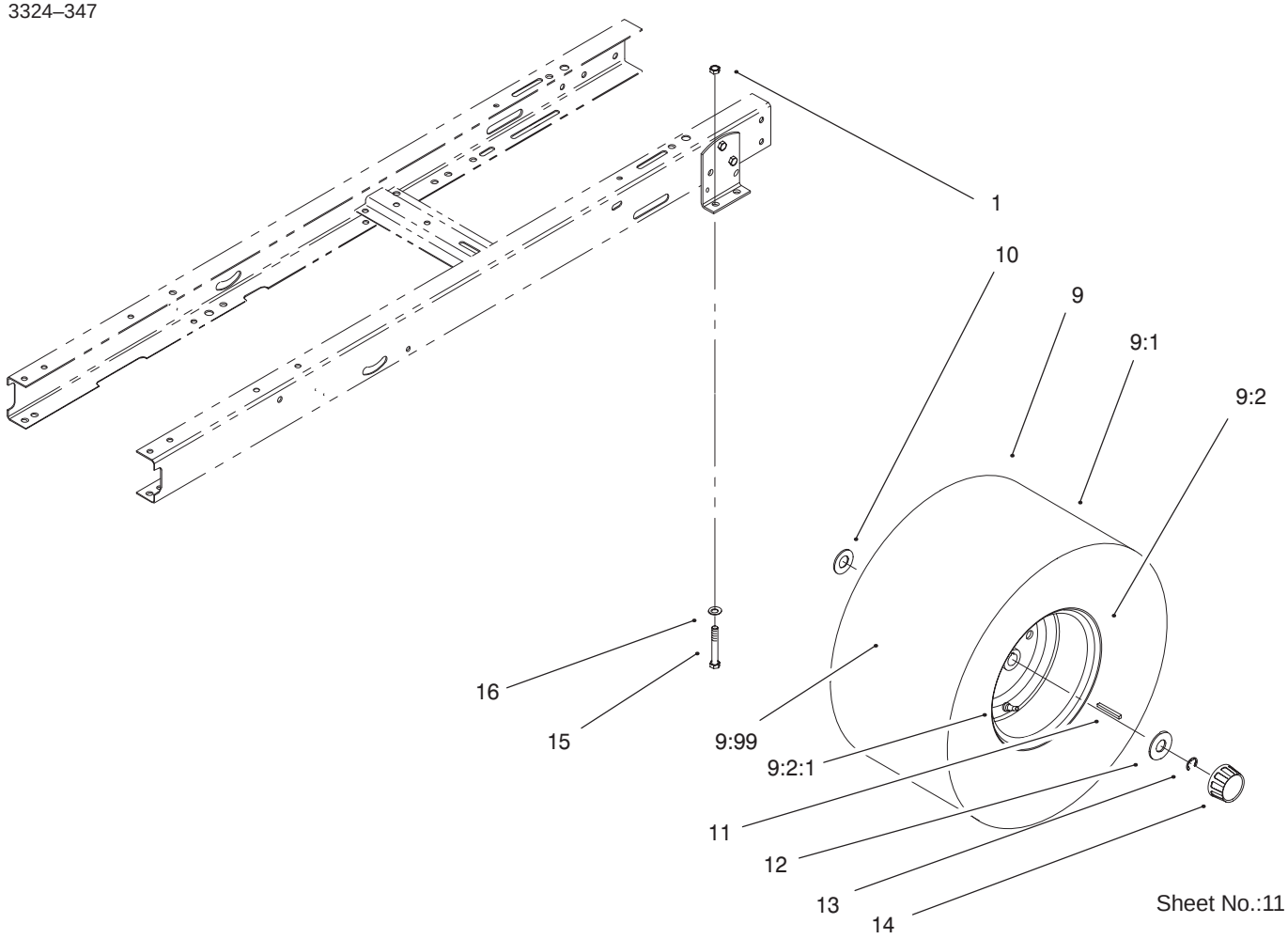


Sheet No.:9

Traction Clutching 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	3296–47	1	Nut–Lock, NI
20	65–2920	1	Pad–Pedal
21	88–5000–03	1	Pedal–Clutch/Brake
22	322–9	1	Screw–HH
23	3256–23	2	Washer–Flat
24	3272–10	1	Pin–Cotter
25	99–6836	1	Spacer–Switch
26	3296–29	2	Nut–Lock, NI
27	3296–29	1	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

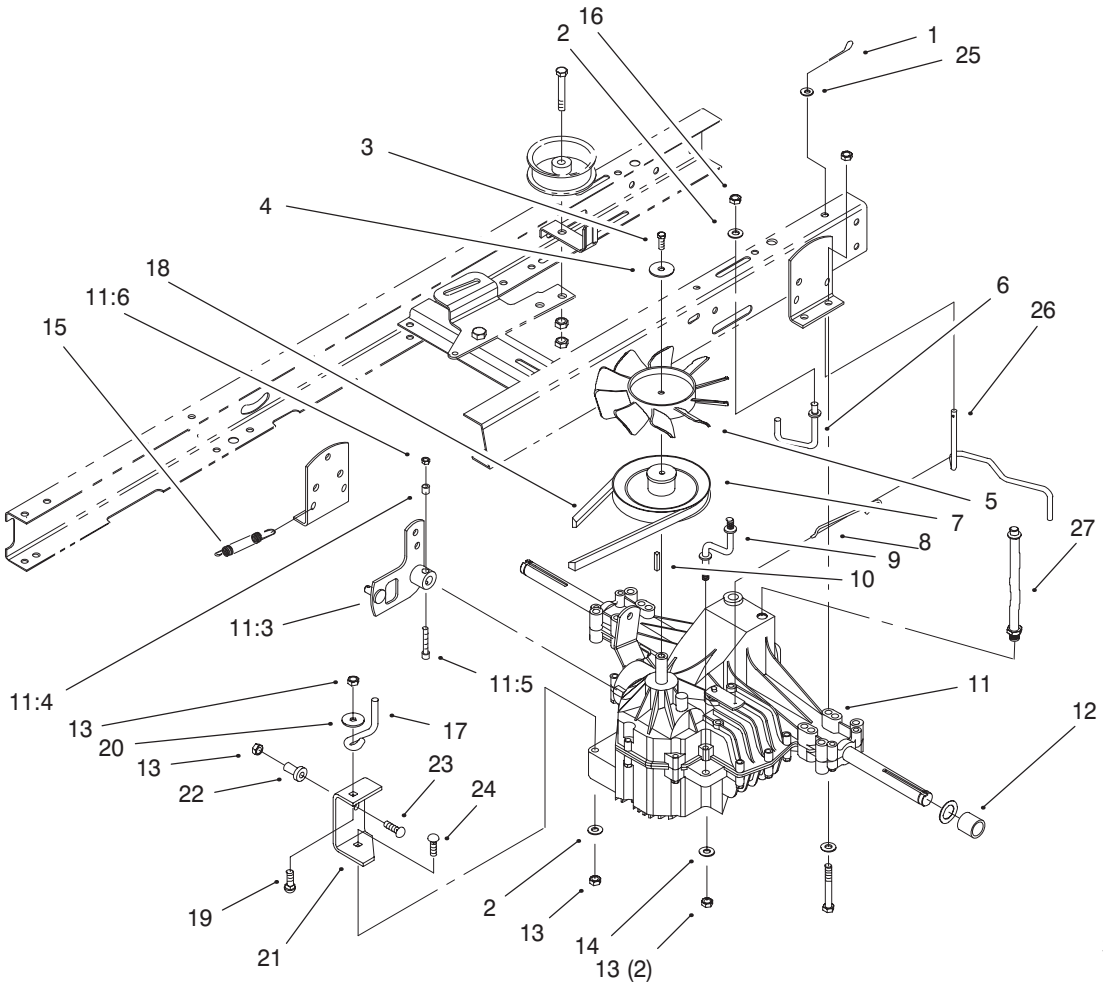
Ref. No.	Part No.	Qty.	Description



Rear Wheel & Tire Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–29	4	Nut–Lock, NI
9		2	Wheel&tire ASM,Rear
9:1	99–2996	1	Tire
9:2	88–4390	1	Rim ASM
9:2:1	232–27	1	Stem–Valve
9:99	232–41	1	Tube
10	3–6498	2	Washer–Thrust
11	7–0036	2	Key
12	28–2480	2	Washer
13	32151–48	2	E–Ring
14	61–9780	2	Cap–Hub
15	322–12	4	Screw–HH
16	3256–23	4	Washer–Flat

Ref. No.	Part No.	Qty.	Description

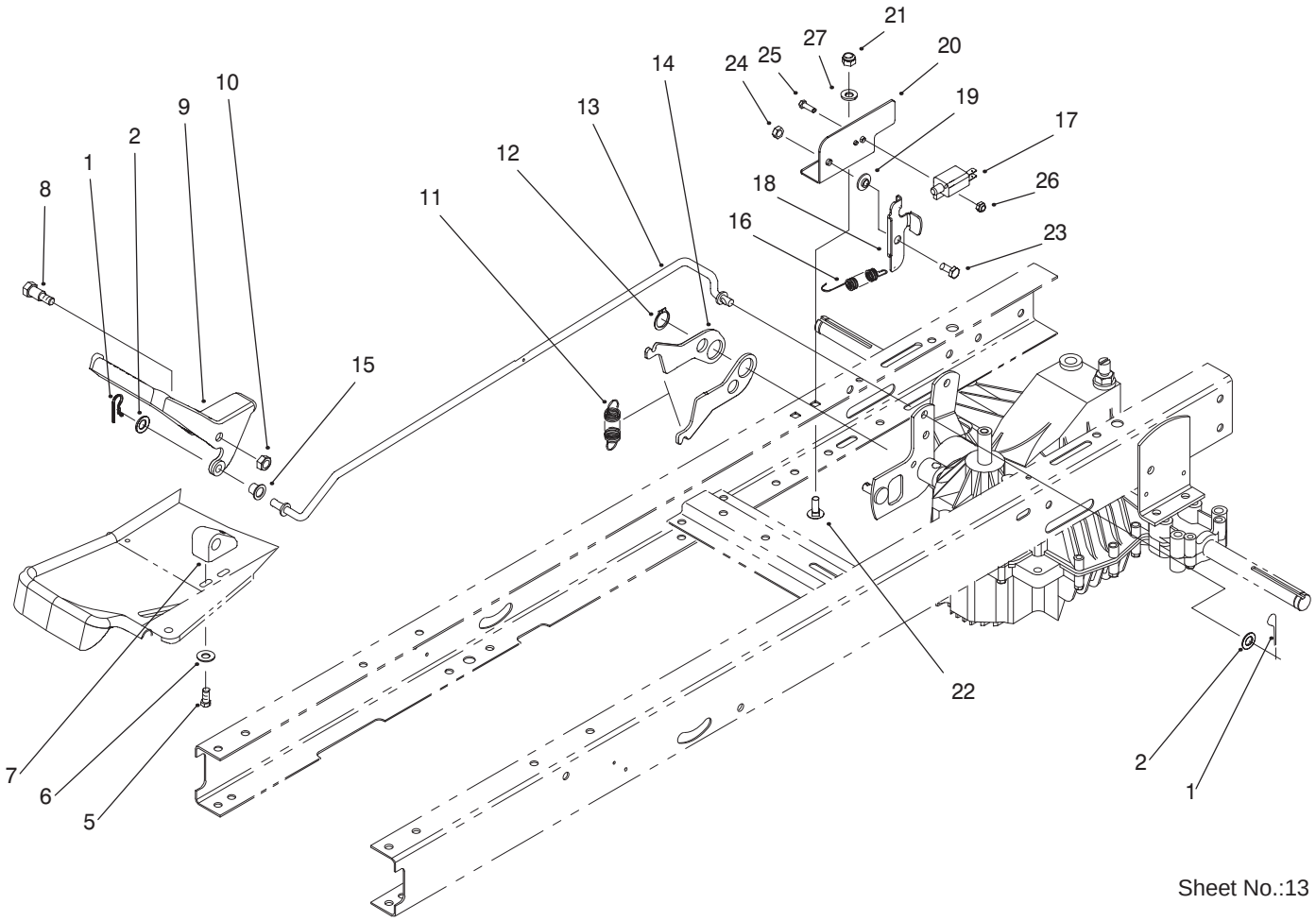


Sheet No.:12

Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
1	3290–307	1	Hairpin
2	3256–23	2	Washer–Flat
3	33113–016	1	Screw–HH
4	3256–58	1	Washer–Flat
5	115271	1	Fan–7”
6	88–5960	1	Guide–Trans Belt, LH
7	88–6180	1	Hydro Trans Pulley
8	92–8856	1	Wire – Bypass
9	88–5620	1	Torque Strap
10	80–6090	1	Key – Pump
11	94–6775	1	Transaxle ASM–Hydro
11:1		1	Transaxle–Hydrostat
11:3	99–5843	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
12	88–5360	2	Spacer
13	3296–29	5	Nut–Lock, NI
14	3256–23	2	Washer–Flat
15	26–6700	1	Spring–Brake Return
16	32149–1	1	Nut–Keps
17	88–5460	1	Trans Belt Guide
18	88–6280	1	V – Belt
19	3230–2	1	Screw–CARR

Ref. No.	Part No.	Qty.	Description
20	5–4460	1	Washer–Pivot
21	92–6013–03	1	Brkt–Speed Ctrl
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	94–1945	1	ASM – Breather Hose

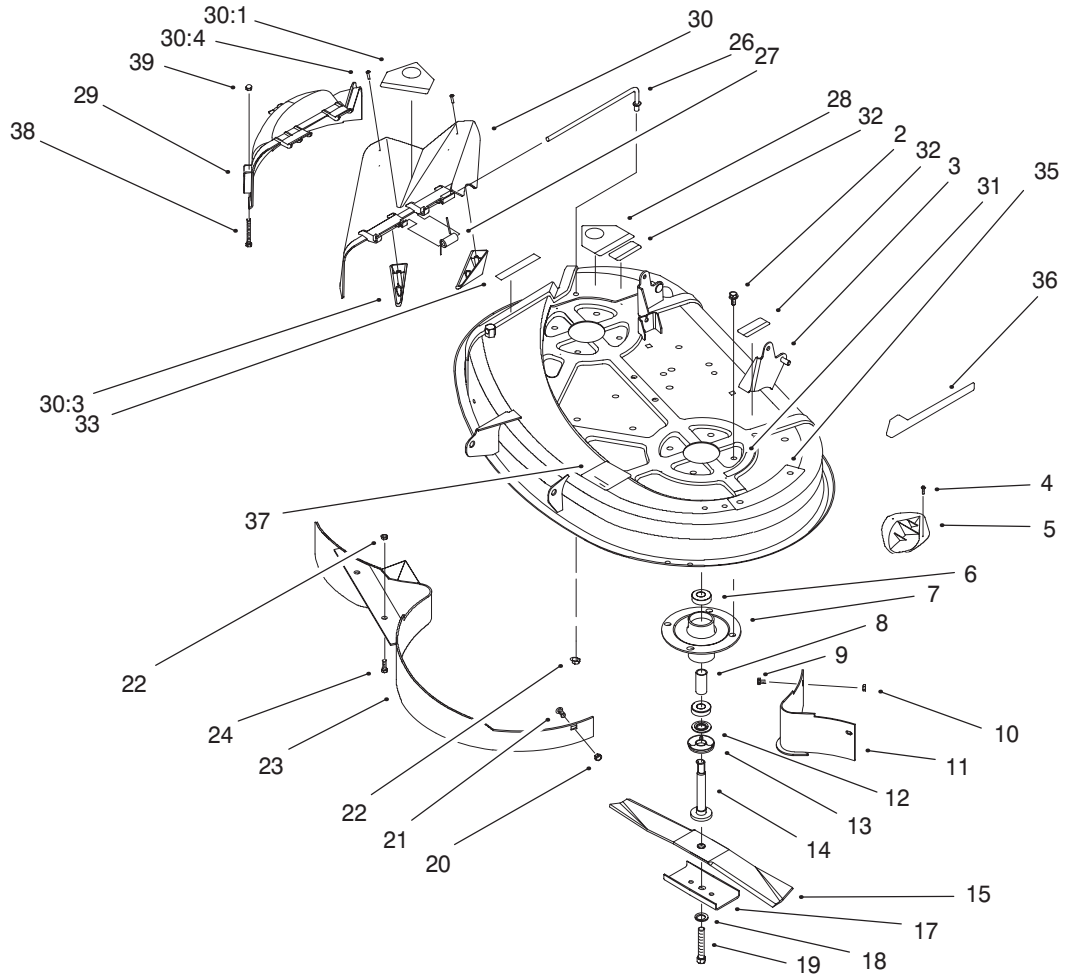


Sheet No.:13

Hydro Transaxle Controls Assembly

Ref. No.	Part No.	Qty.	Description
1	3290–307	2	Hairpin
2	3256–38	2	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	99–6803	1	Rod–Speed Control,1538
14	88–5610	2	Neutral Return Lever
15	99–6121	1	Bushing
16	99–6805	1	Spring–Extension
17	95–1653	1	Switch – Single Pole
18	99–6807	1	Bracket – Pivot
19	99–6808	1	Washer–Stepped
20	99–6806	1	Bracket – Adjustment
21	3296–29	2	Nut–Lock, NI
22	3230–18	2	Screw–CARR
23	99–6810	1	Screw–Hex Hd
24	3296–42	1	Nut–Lock
25	3290–392	2	Screw – Hex Head Slot

Ref. No.	Part No.	Qty.	Description
26	3296–1	2	Nut–Lock NI
27	3256–23	2	Washer–Flat

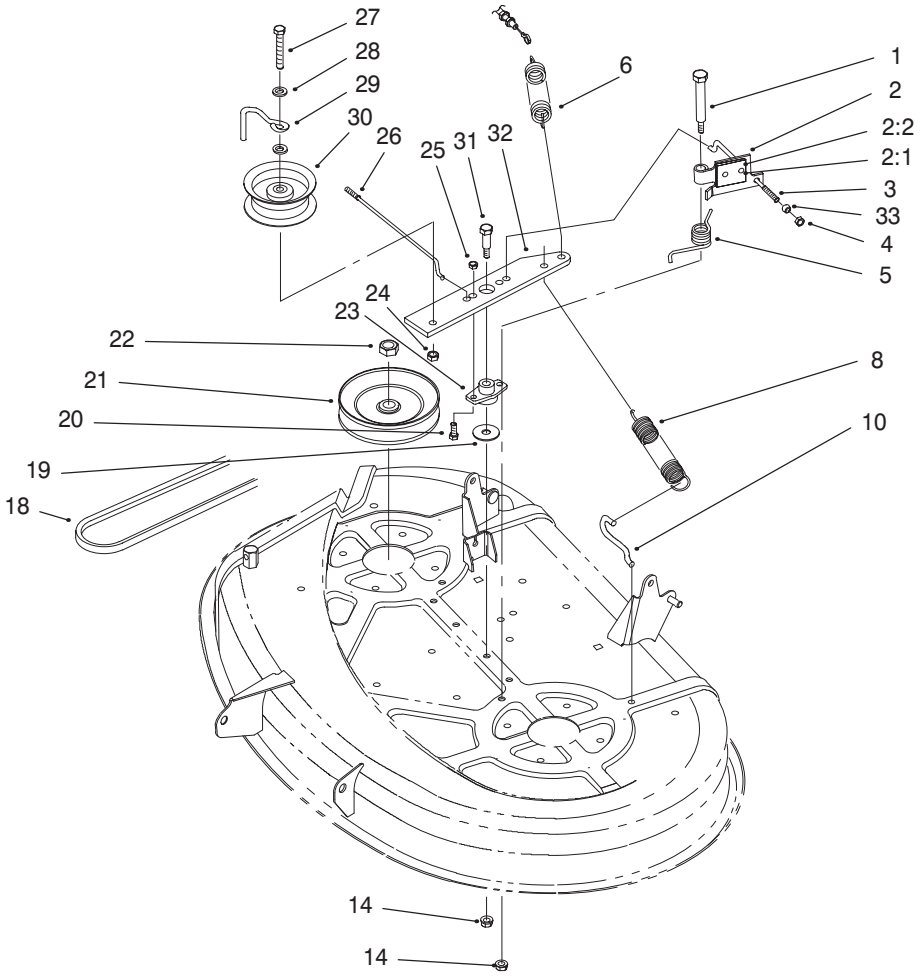


Sheet No.:16

38” Deck Components Assembly

Ref. No.	Part No.	Qty.	Description
2	32144–41	8	Screw–Taptite
3	99–5846	1	Deck ASM–Service
4	32144–111	8	Screw–PPH
5	76–2160	4	Kicker Plate
6	38–7820	4	Bearing–Ball
7	88–4510	2	Splindle
8	62–3661	2	Spacer–Bearing
9	321–4	2	Screw–HH
10	3296–42	2	Nut–Lock
11	79–1640–03	1	Baffle Wa
12	80–4380	2	Spacer
13	80–4360	2	Shield–Bearing
14	80–4341	2	Spindle Shaft
15	79–3061	2	Blade–19.32 Rec
17	80–0510–03	2	Blade Stiffener
18	3290–465	2	Washer–Belleville
19	26–0671	2	Screw–Blade
20	3296–29	1	Nut–Lock, NI
21	3230–1	1	Screw–CARR
22	3296–39	3	Nut–Lock, NI
23	79–1600–03	1	Baffle Wa
24	323–5	2	Screw–HH
26	95–1661	1	Rod – Pivot
27	57–6950	1	Spring
28	93–1122	1	Decal–Danger
29	88–4430	1	Recycler Cover

Ref. No.	Part No.	Qty.	Description
30	100–6201	1	Deflector ASM
30:1	93–1122	1	Decal–Danger
30:3	93–7696	2	Kicker
30:4	93–0231	4	Screw – PPH
31	68–3660	1	Decal–Shield Danger
32	55–4300	2	Decal
33	68–3650	1	Decal–Deflector Danger
35	79–3140	1	Decal–Danger
36	100–6203	1	Decal–Recycler 38”
37	93–6679	1	Decal–Belt Routing
38	321–15	2	Screw–HH
39	32111–7	2	Nut–Cap

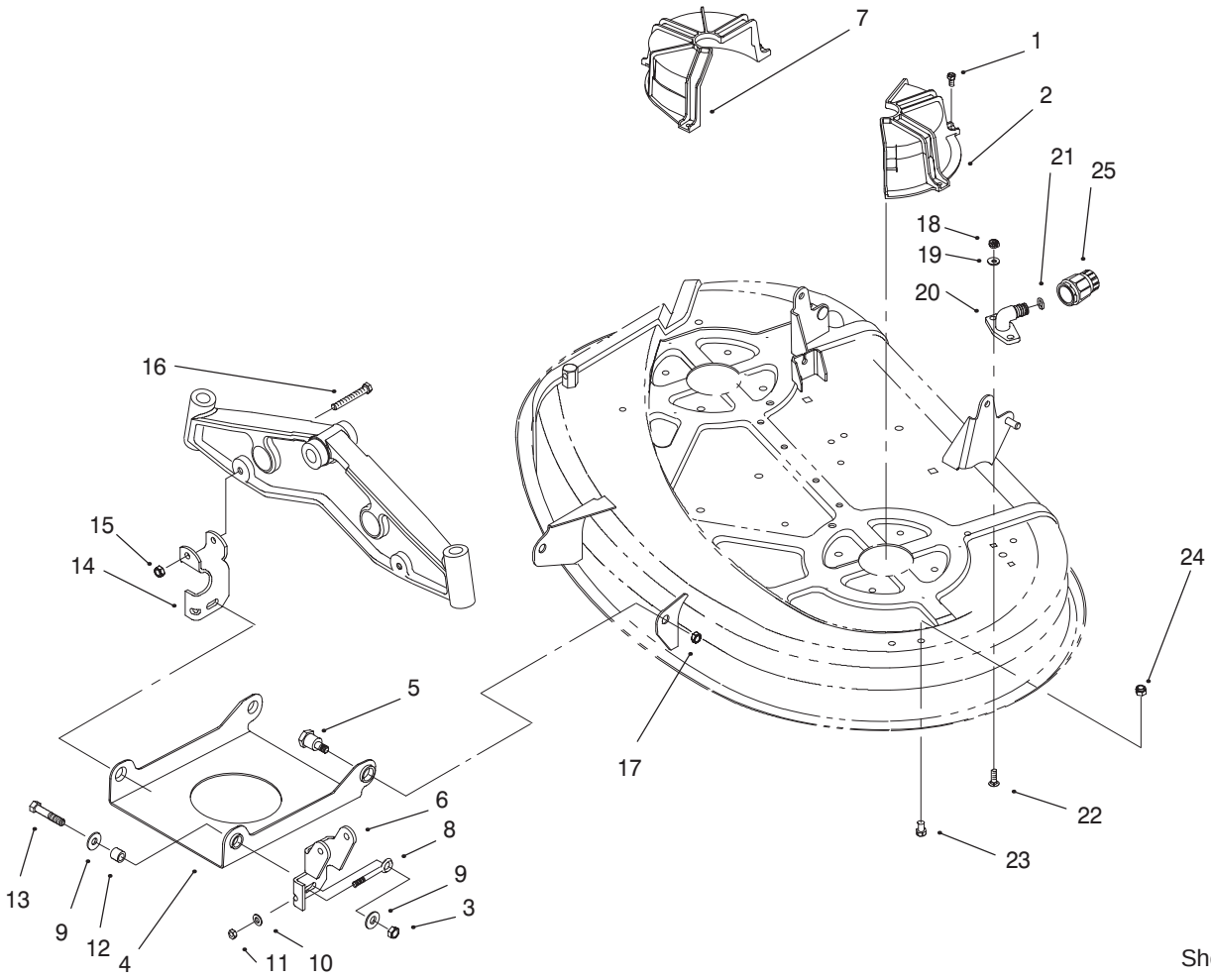


Sheet No.:17

38” Deck Blade Drive & Braking Components

Ref. No.	Part No.	Qty.	Description
1	88–4590	2	Bolt–Shoulder
2	88–6100	2	Brake ASM
2:1	3290–282	2	Rivet–Pop, Steel
2:2	56–9830	1	Pad–Brake
3	88–5550	1	LH Deck Brake Rod
4	3296–42	2	Nut–Lock
5	88–5910	2	Torsion Spring
6	88–6130	1	Spring–Deck Engagement
8	92–8934	1	Spring – Extension
10	88–5970	1	Hook Return Spring
14	3296–58	3	Nut–Lock NI
18	88–6250	1	V – Belt
19	3256–68	1	Washer–Flat
20	322–5	2	Screw–HH
21	88–5330	2	Pully–Deck
22	3219–6	2	Nut–Hex
23	88–4980	1	Bushing Idler Arm
24	3296–39	1	Nut–Lock, NI
25	3296–29	2	Nut–Lock, NI
26	88–5540	1	RH Deck Brake Rod
27	323–12	1	Screw–HH
28	3256–24	2	Washer–Flat
29	88–5070	1	Guide–Idler, Belt
30	88–5630	1	Pulley–Idler, Flat
31	7–0030	1	Bolt–Shoulder

Ref. No.	Part No.	Qty.	Description
32	88–4870–03	1	Arm Idler Deck
33	67–0710	2	Ball–Swivel Stop

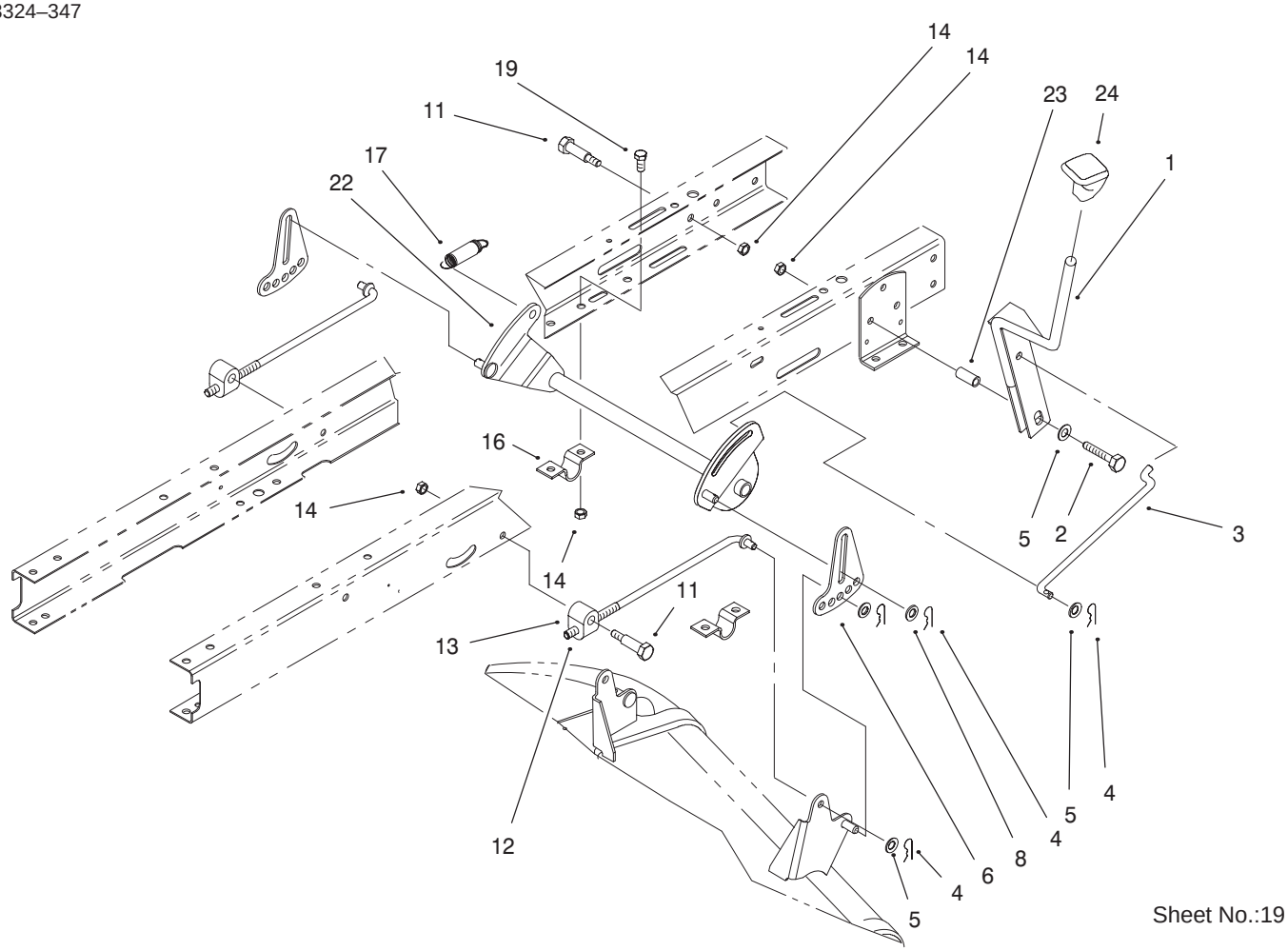


Sheet No.:18

38” Deck Engagement Components Assembly

Ref. No.	Part No.	Qty.	Description
1	32104–76	5	Screw–Slot, Acorn
2	88–4030	1	LH Deck Belt Guide
3	3296–39	2	Nut–Lock, NI
4	93–3881–03	1	Pan–Front Deck, Suspension
5	94–5823	2	Bolt–Shoulder
6	94–1971–03	1	Brkt – LH Deck Susp
7	88–4020	1	RH Deck Belt Guide
8	61–9980	2	Screw–Adjusting
9	80–6990	4	Washer–Hardened
10	3256–22	2	Washer–Flat
11	3296–42	2	Nut–Lock
12	93–9847	2	Spacer
13	323–9	2	Screw–HH
14	94–1970–03	1	Brkt–RH Deck Susp
15	3296–29	2	Nut–Lock, NI
16	322–12	2	Screw–HH
17	3296–23	2	Nut–Lock, NI
18	3296–16	2	Nut–Lock, NI
19	3256–1	2	Washer–Flat
20	95–2747	1	Fitting–Washout
21	46–6290	1	O–Ring
22	3229–1	2	Screw–CARR
23	322–1	2	Screw–HH
24	3296–29	2	Nut–Lock, NI
25	95–3270	1	Connector–Hose

Ref. No.	Part No.	Qty.	Description

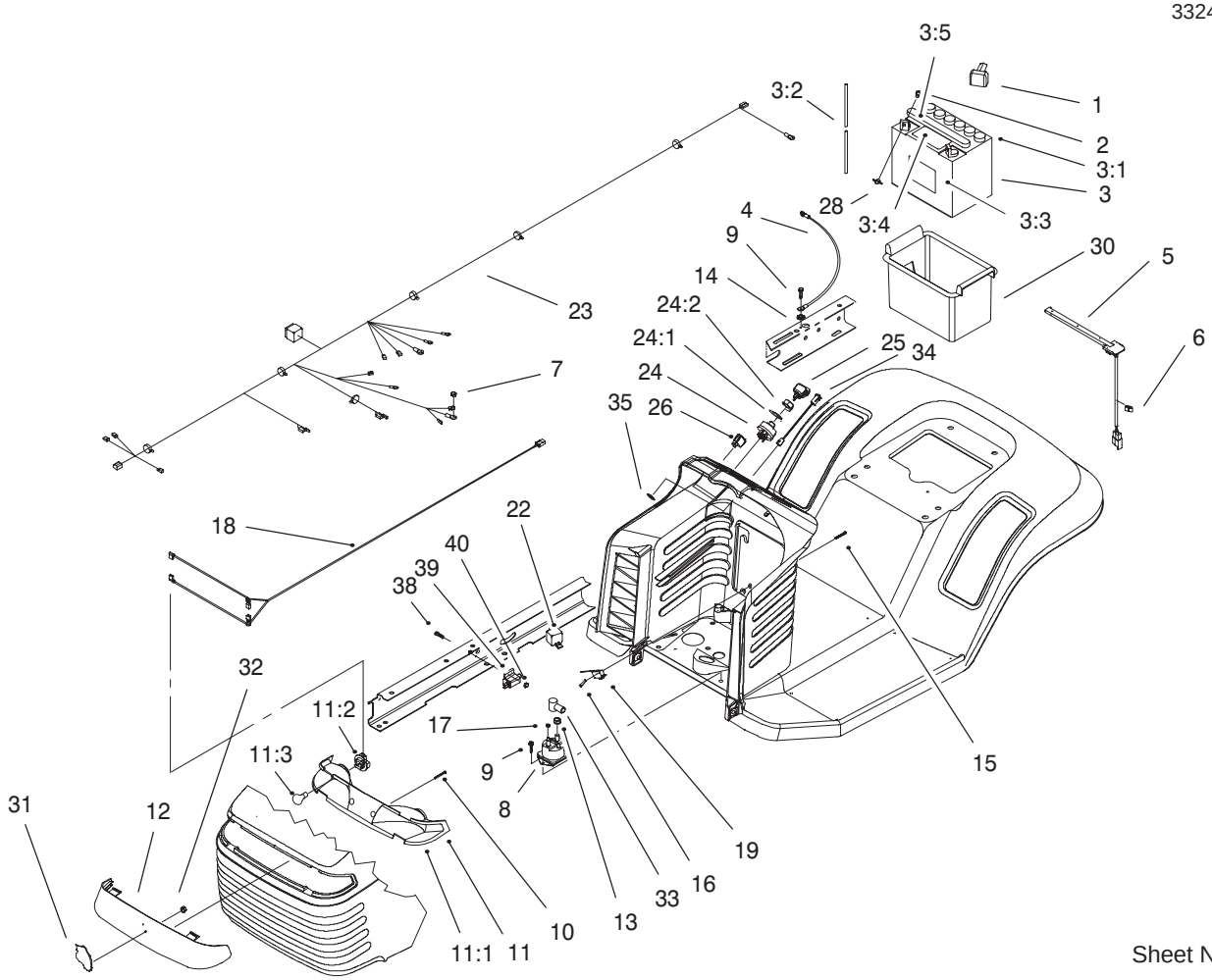


Sheet No.:19

Height of Cut Components Assembly

Ref. No.	Part No.	Qty.	Description
1	93–3822–03	1	Lever Wa
2	322–39	1	Screw–HH
3	88–5900	1	Link–HOC
4	3290–307	7	Hairpin
5	3256–24	4	Washer–Flat
6	88–5570–03	2	Link–HOC Adjusting
8	80–6990	4	Washer–Hardened
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	88–6460	1	Spring – Extension
19	322–3	4	Screw–HH
22	88–5110–03	1	Pivot Wa
23	65–7210	1	Spacer
24	94–5565	1	Knob – Shift

Ref. No.	Part No.	Qty.	Description

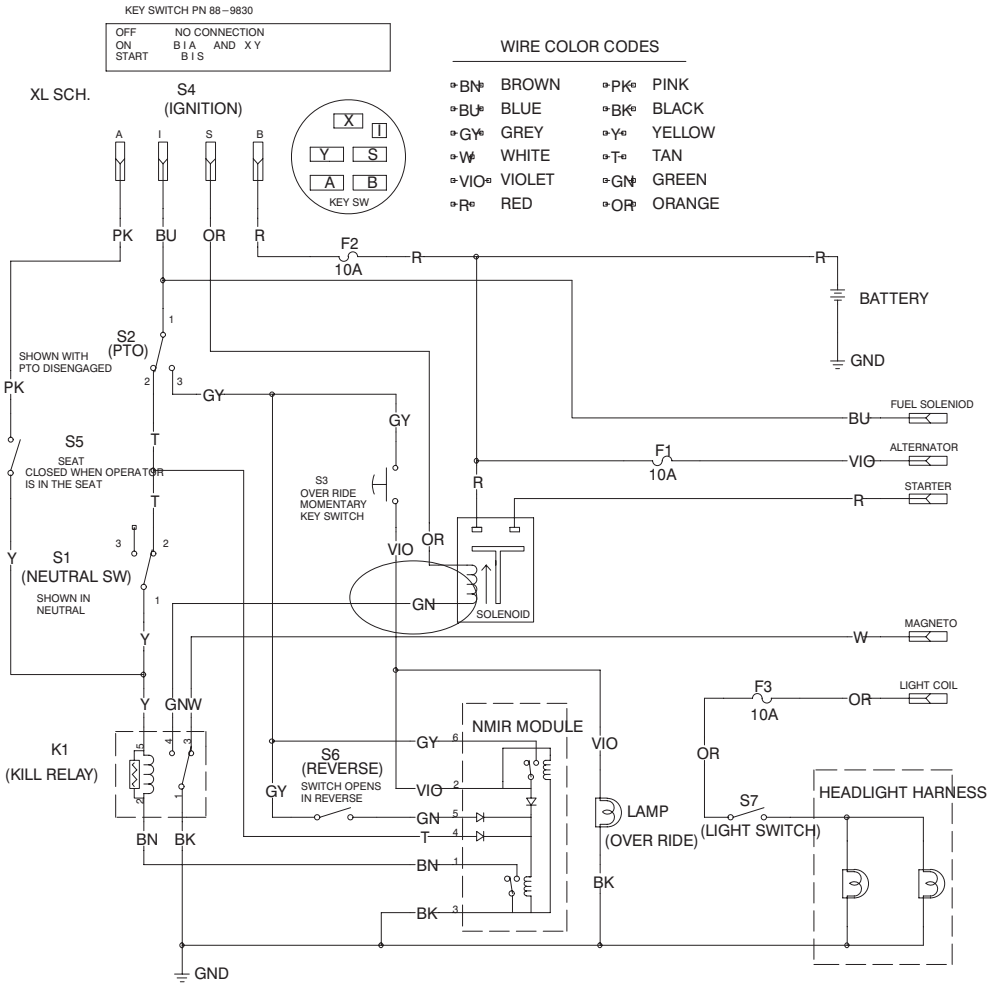


Sheet No.:20

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	1	Nut–Keps
8	28–4210	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
13	32149–1	2	Nut–Keps
14	3255–7	2	Washer–Lock/Ext
15	93–0539	2	Screw–HH
16	3290–354	1	Nut–Speed
17	32149–8	2	Keps Nut

Ref. No.	Part No.	Qty.	Description
18	99–1935	1	Harness–Headlight
19	88–9932	1	Switch–Micro
22	98–7249	1	Relay–Speedometer
23	99–6840	1	Harness–Wire, Hydro
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
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
38	3274–14	2	Screw–HSH
39	65–7410	1	Switch – Single Pole
40	3296–2	2	Nut–Lock

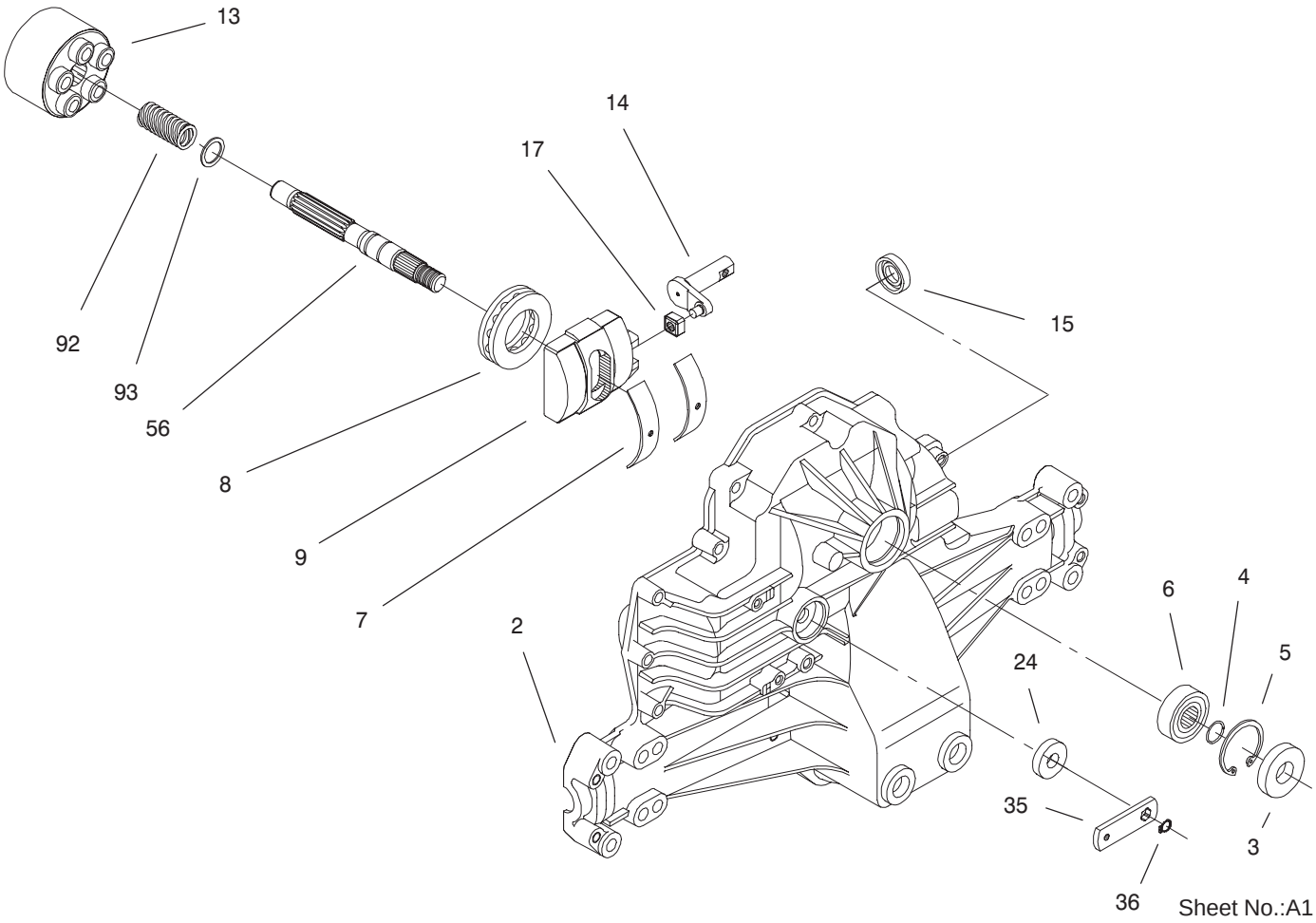


Sheet No.:21

Wire Schematic

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

Ref. No.	Part No.	Qty.	Description

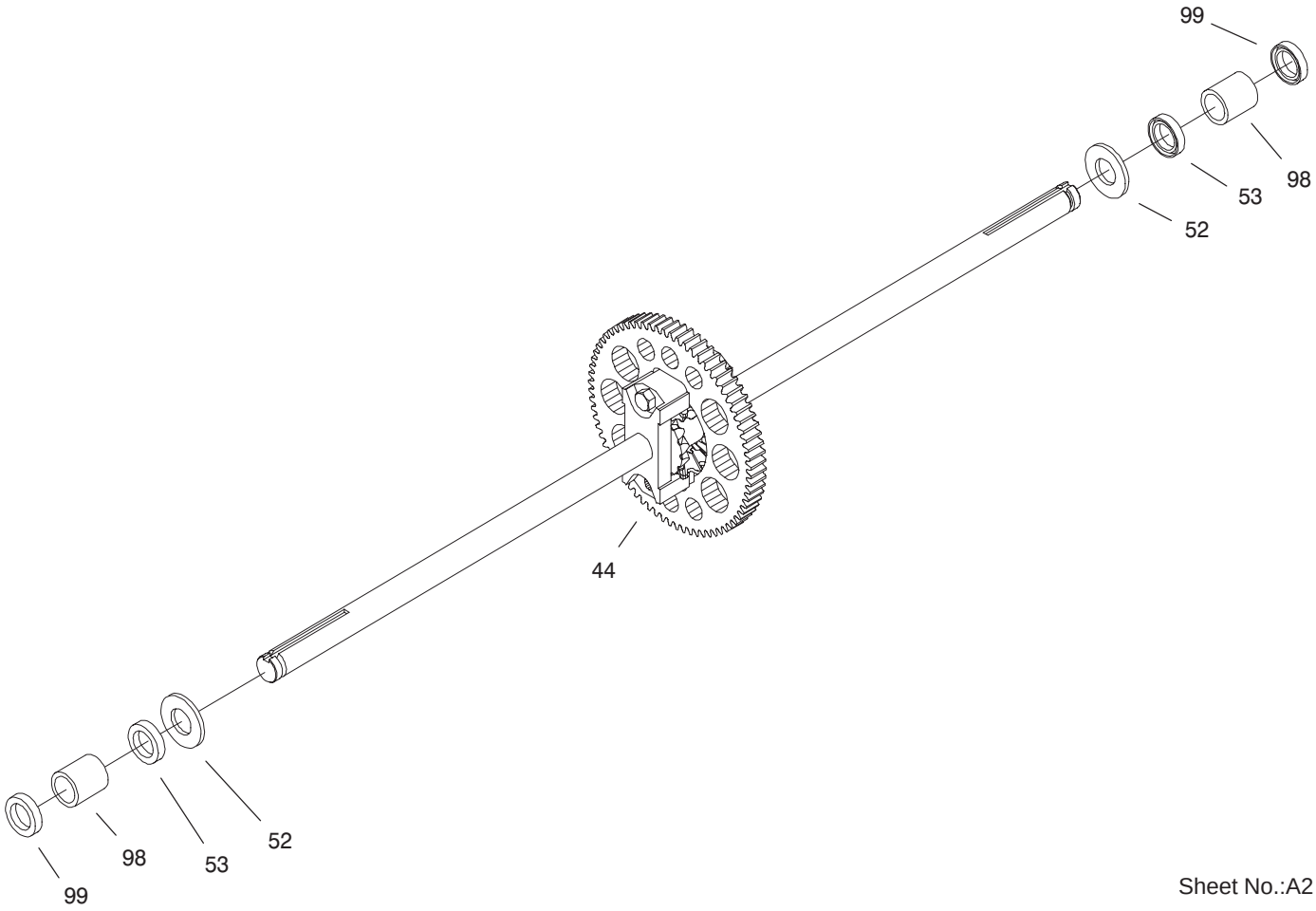


Sheet No.:A1

Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
2	94–1948	1	Upper Housing ASM
3	92–6543	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
93	94–1937	1	Washer

Ref. No.	Part No.	Qty.	Description

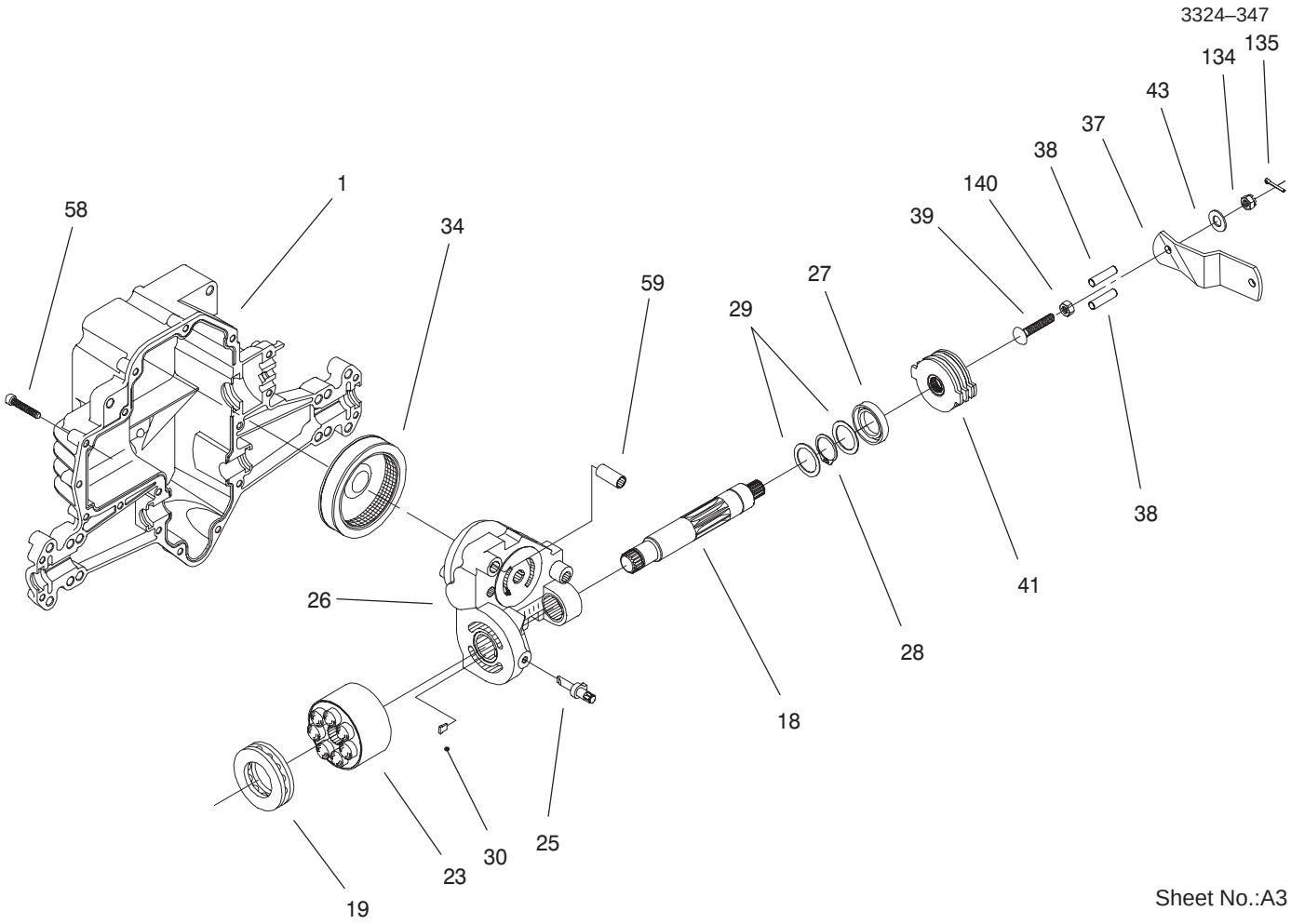


Sheet No.:A2

Hydro Transaxle Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
44	94–1942	1	Differential ASM
52	94–1943	2	Washer
53	94–1924	2	Seal
98	94–1944	2	Sleeve–Bearing
99	94–1935	2	Seal–Wiper

Ref. No.	Part No.	Qty.	Description

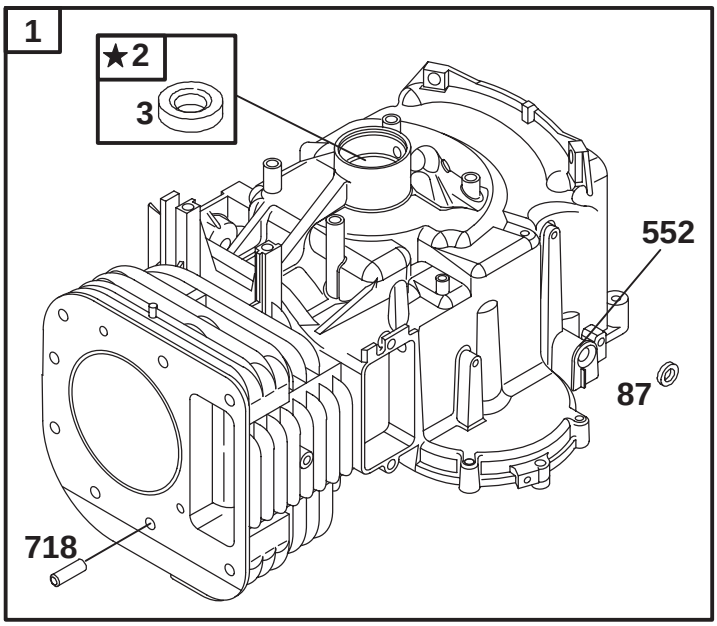


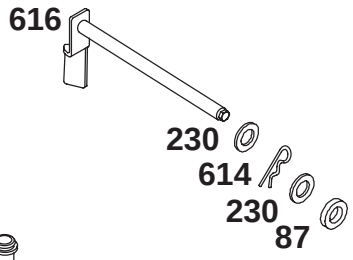
Sheet No.:A3

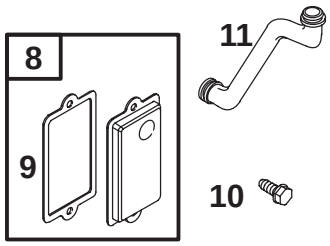
Hydro Transaxle Assembly (cont.)

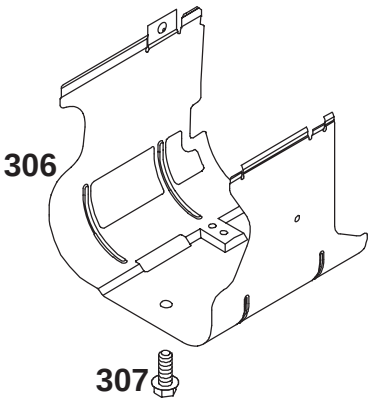
Ref. No.	Part No.	Qty.	Description
1	94–1946	1	Housing
18	94–1947	1	Shaft–Motor
19	94–6923	1	Bearing–Thrust
23	94–1913	1	Block–Cyl (Motor)
25	94–1914	1	Actuator–Bypass
26	94–6924	1	Centersection ASM
27	94–1916	1	Seal–Lip
28	94–1917	1	Ring–Retaining
29	94–1918	2	Washer
30	94–6925	1	Bypass Plate
34	94–1920	1	Oil Filter Element
37	93–3861	1	Lever – Brake
38	92–6549	2	Pin–Actuating
39	94–1923	1	Bolt
41	94–1919	1	Brake Rotor/Stator Kit
43	5–4460	1	Washer–Fender
58	94–1926	21	Bolt
59	94–1927	2	Pin
134	93–3807	1	Nut–Castle
135	3272–7	1	Pin–Cotter
140	3296–20	1	Nut–lock NI

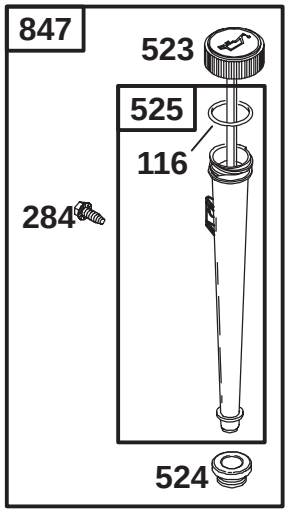
Ref. No.	Part No.	Qty.	Description











1058 OWNER'S MANUAL

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

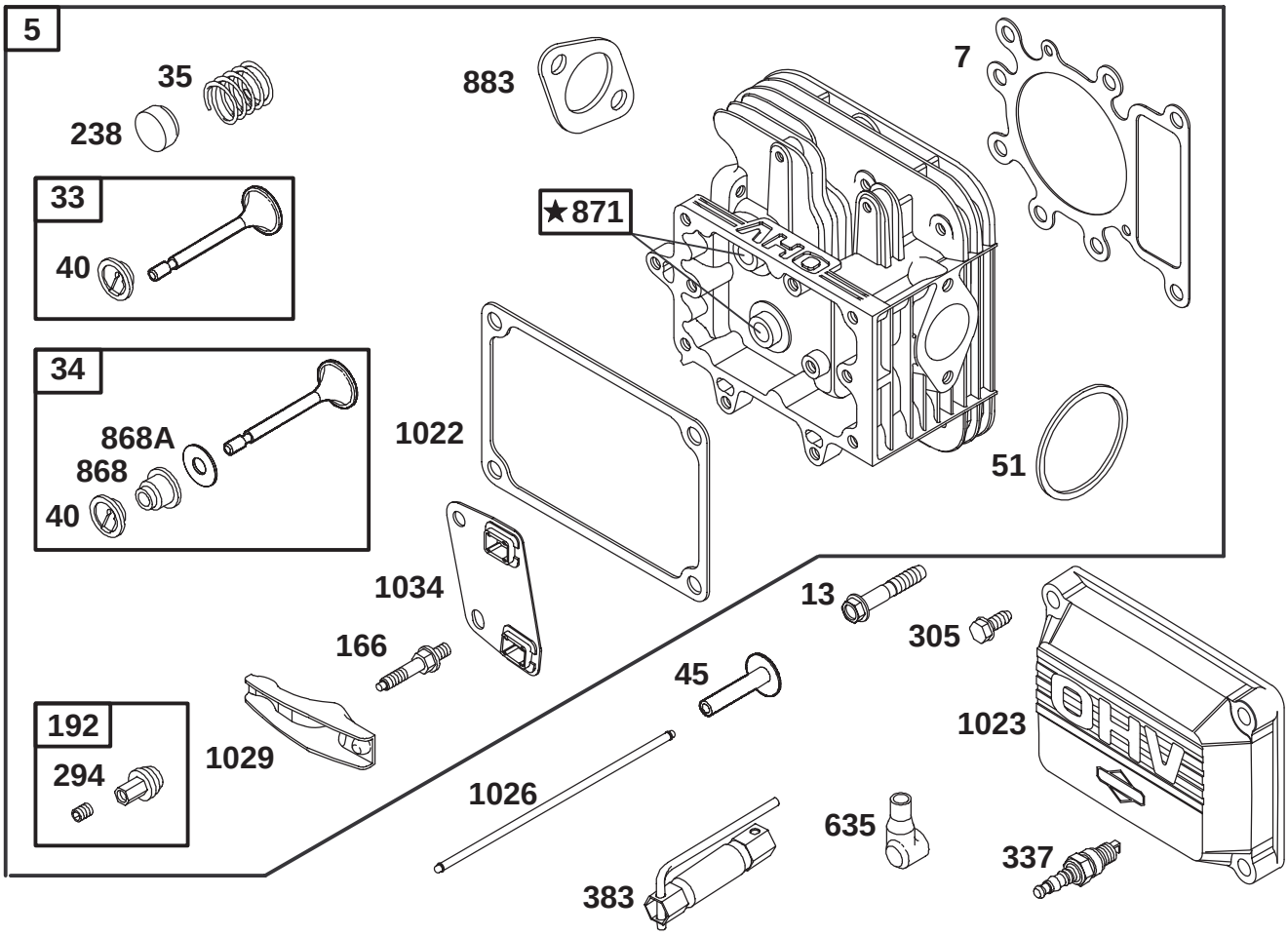
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
1	496412	Cylinder Assembly	1
2	399265	Bearing–Cylinder	1
★3	391086	Seal–Oil	1
8	495735	Breather Assembly	1
★9	27803	Gasket–Valve Cover	1
10	94621	Screw–Sem	1
11	281246	Tube–Breather	1
★87	491323	Seal–Governor	1
★116	270920	Seal–Oil Fill Cap	1
230	94927	Washer–Governor Lever	1
284	94903	Screw–Hex. Head	1
306	225020	Shield–Cylinder	1

Ref. No.	Part No.	Description	No. Used
307	94930	Screw–Self Tap	1
523	495230	Cap–Oil Fill	1
★524	281370	Seal–Fill Tube	1
525	496113	Tube–Oil Fill	1
552	491986	Bushing–Gov. Crank	1
		Note: Includes Seal, Ref. No. 87	1
614	93306	Pin–Cotter	1
616	495157	Crank–Governor	1
718	230192	Pin–Dowel	1
847	496415	Fill Group–Oil	1
1058	273683	Owner's Manual	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.

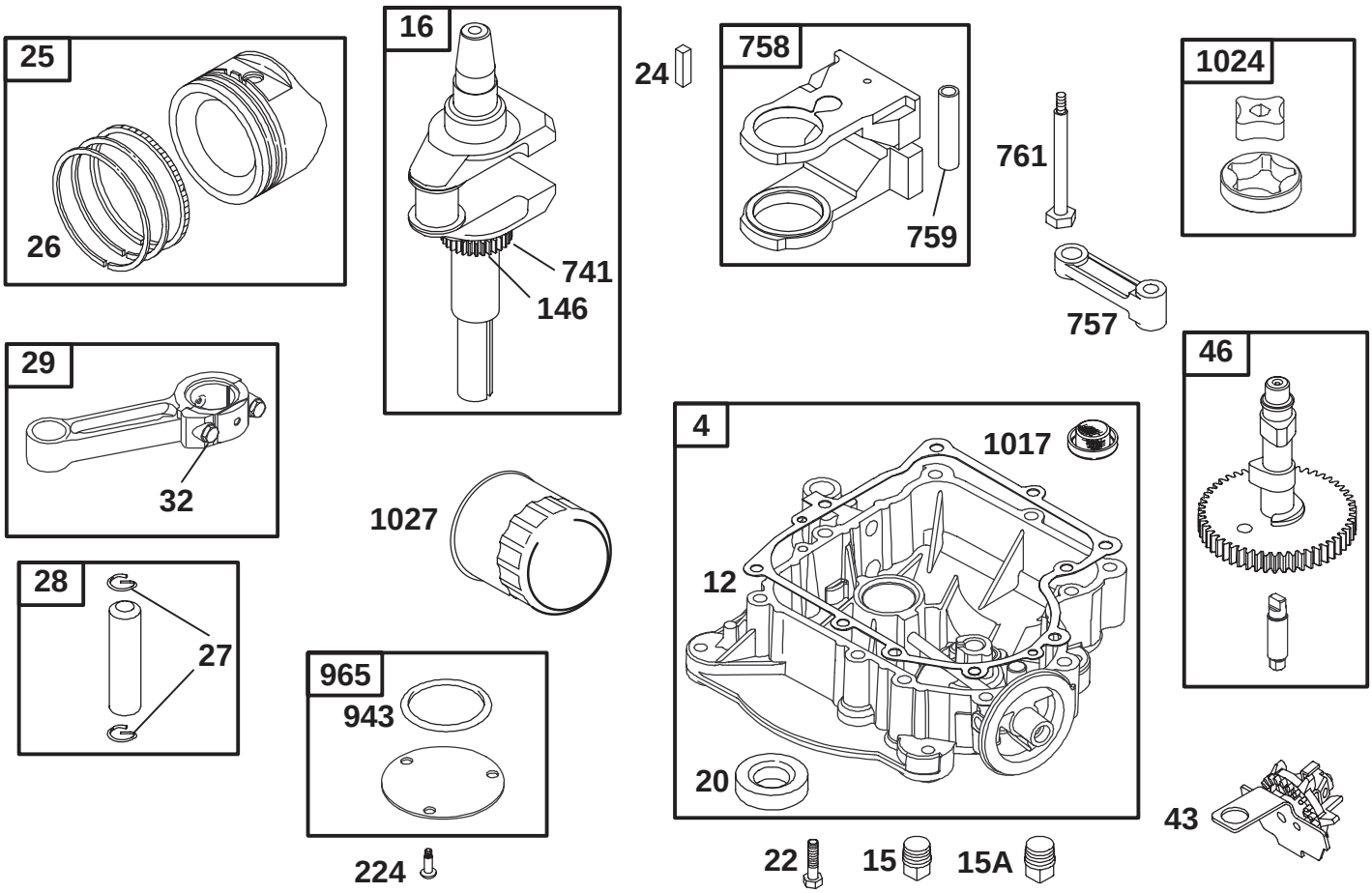


ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
5	691165	Head–Cylinder	1
Δ★7	273280	Gasket–Cylinder Head	1
13	94728	Screw–Cylinder Head	1
33	495856	Valve–Exhaust	1
34	495857	Valve–Intake	1
35	262811	Spring–Valve	1
40	224641	Retainer–Valve	1
45	690564	Tappet–Valve	1
51	692138	Gasket–Intake	1
166	94555	Stud–Rocker Arm	1
192	492160	Adjuster–Valve	1
238	262836	Cap–Valve	1
294	810104	Screw–Set	1
305	94682	Screw–Hex. Head	1
337	491055	Plug–Spark	1

Ref. No.	Part No.	Description	No. Used
383	89838	Wrench–Spark Plug	1
635	280872	Elbow–Spark Plug	1
Δ★868	499236	Seal–Valve	1
868A	272610	Seal–Valve	1
871	262835	Bushing–Guide (Intake and Exhaust)	1
Δ★883	272293	Gasket–Exhaust	1
Δ★1022	272475	Gasket–Rocker Cover	1
1023	214314	Cover–Rocker	1
1026	494432	Rod–Push (Intake)	1
		Note: 495136 Rod–Push (Exhaust)	1
1029	224554	Arm–Rocker	1
1034	495248	Guide–Push Rod	1

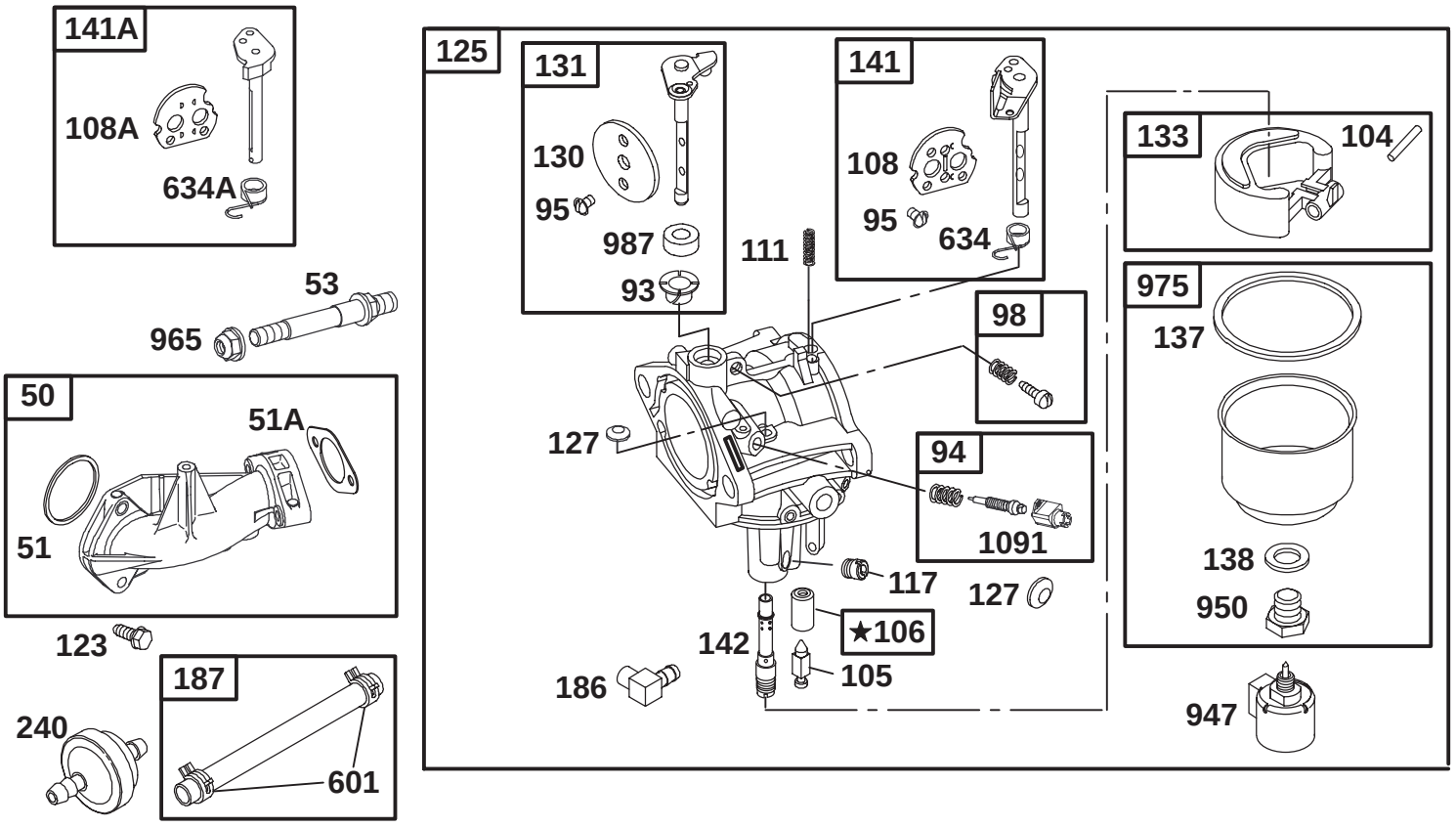
★ Included in Gasket Set–Part No. 495993.
Δ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.



ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
4	693582	Base–Engine	1
⋆12	271916	Gasket–Crankcase (.015" Thick, Std.)	1
⋆	271997	Gasket–Crankcase (.005" Thick)	1
⋆	271996	Gasket–Crankcase (.009" Thick)	1
15	94239	Plug–Oil Drain	1
15A	91488	Plug–Oil Pressure Switch	1
16	690136	Crankshaft	1
⋆20	291675	Seal–Oil	1
22	692125	Screw–Sem	1
24	222698	Key–Flywheel	1
25	499284	Piston Assembly (Standard)	1
	499288	Piston Assy. (.010" O.S.)	1
	499292	Piston Assy. (.020" O.S.)	1
	499296	Piston Assy. (.030" O.S.)	1
26	495854	Ring Set (Standard)	1
	495852	Ring Set (.010" O.S.)	1
	495851	Ring Set (.020" O.S.)	1
	495855	Ring Set (.030" O.S.)	1
27	263129	Lock–Piston Pin	1
28	498319	Pin–Piston (Standard)	1
	498320	Pin–Piston (.005" O.S.)	1
29	692419	Rod–Connecting (Standard)	1
32	692852	Screw–Conn. Rod	1
43	490815	Governor/Oil Slinger	1
46	693450	Camshaft	1
146	94196	Key–Timing Gear	1
224	691033	Screw–Torx®Hex.	1
741	262932	Gear–Timing	1
757	213998	Link–Counterweight	1
758	499994	Counterweight Assy.	1
759	230787	Pin–Counterweight	1
761	94593	Screw–Counterweight	1
943	280801	Seal–O-Ring	1
965	499613	Cover–Pump	1
1017	491722	Screen–Oil Pump	1
1024	499054	Pump–Oil	1
1027	492932	Filter–Oil	1

⋆ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.



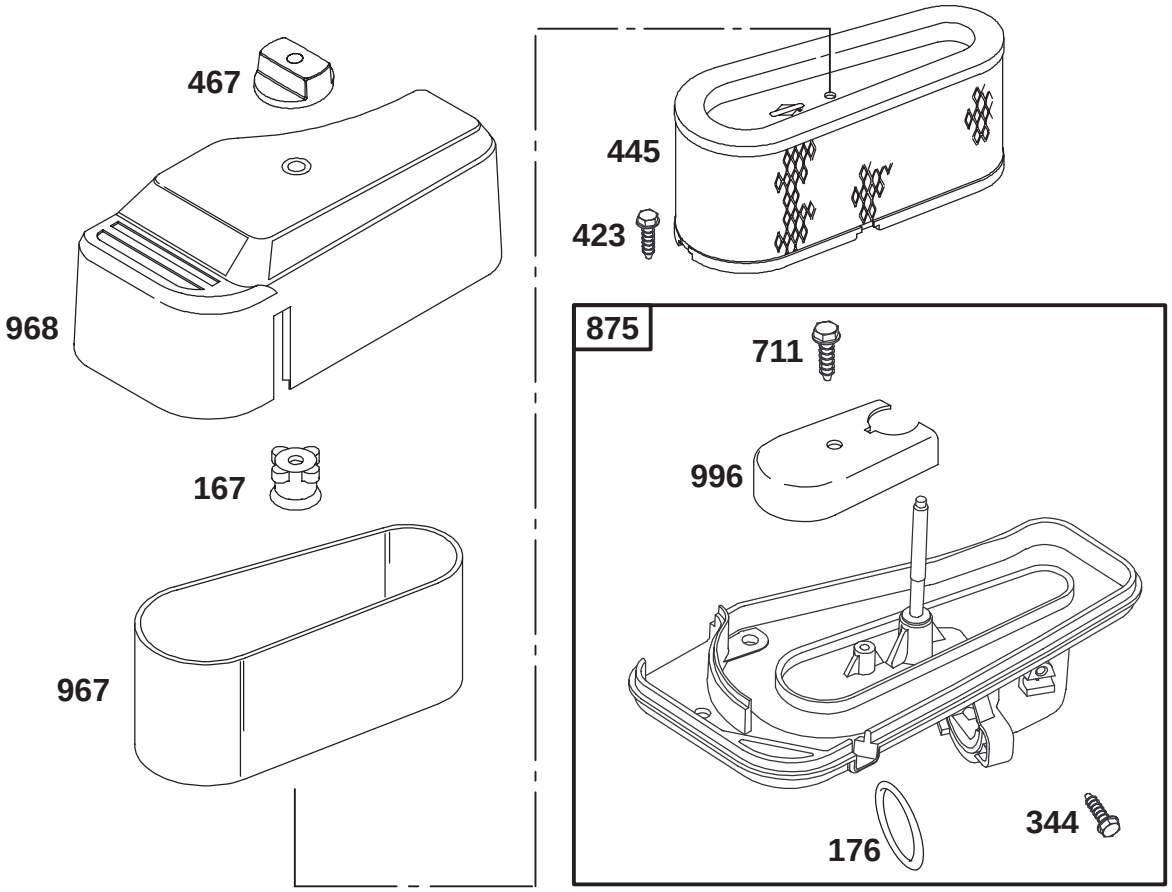
★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.** Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
50	690193	Manifold–Intake	1
51	692138	Gasket–Carburetor Manifold	1
●51A	273650	Gasket–Carburetor	1
53	690227	Stud–Carb. Mtg.	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
111	262715	Spring–Friction	1
●117	232118	Jet–Main (Standard)	1
	232119	Jet–Main (High Altitude)	1
123	95160	Screw–Elbow Mtg.	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
●◆138	281164	Washer–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
187	298049	Line–Fuel (Cut to Length)	1
240	394358	Filter–Fuel	1
601	93053	Clamp–Hose	1
●634	494453	Seal–Spring Assembly	1
●634A	494455	Seal–Spring Assembly	1
947	497672	Solenoid	1
950	94642	Screw–Fuel Bowl	1
965	94010	Nut–Hex.	1
975	495933	Bowl–Float	1
●987	281166	Seal–Throttle Shaft	1
1091	281364	Cap–Limiter	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499116.
◆ Included in Carburetor Gasket Set–Part No. 690192.



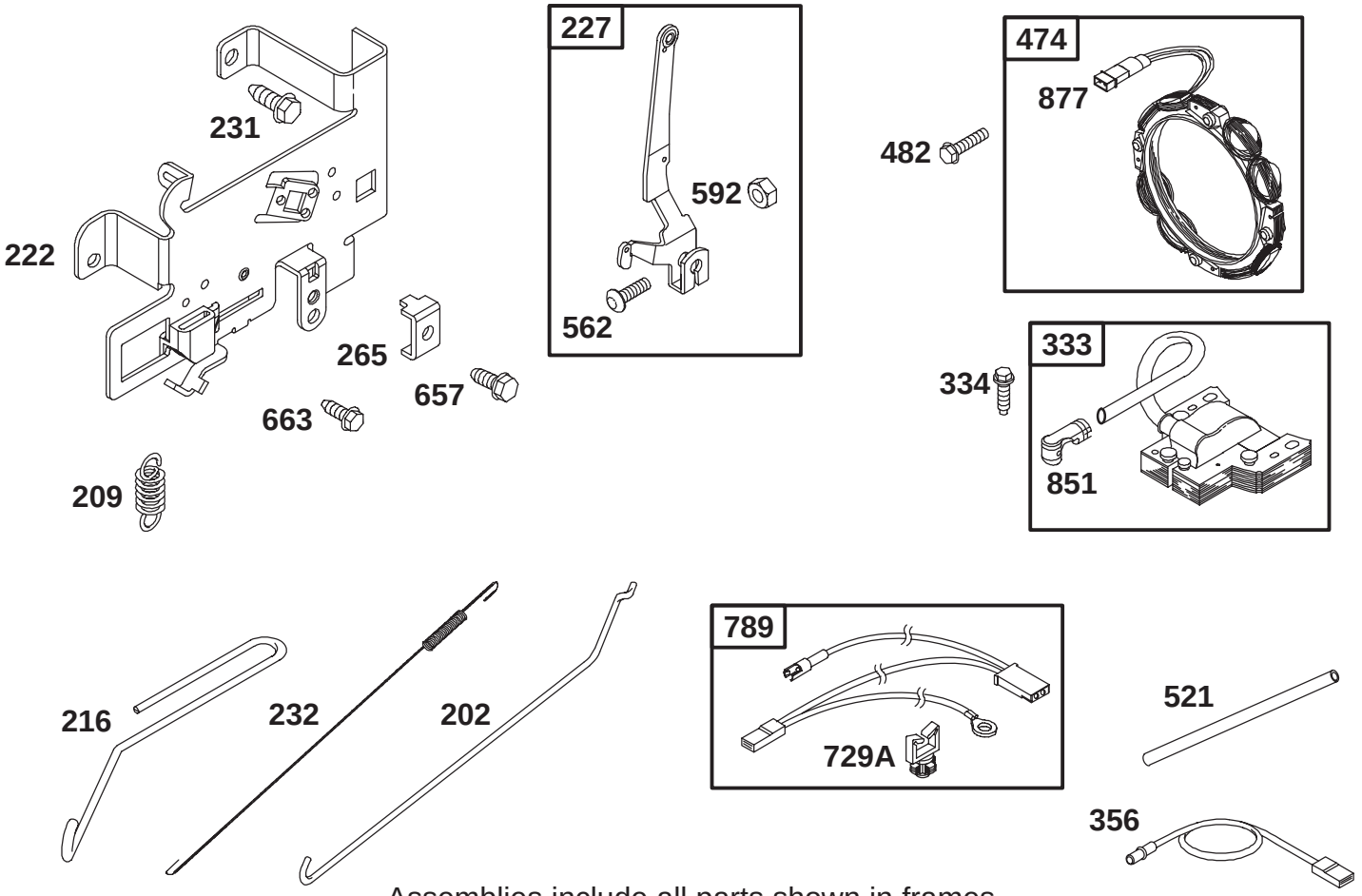
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777−0690−E1

Ref. No.	Part No.	Description	No. Used
167	281051	Seal−Air Cleaner Stud	1
⋆176	281106	Gasket−Air Cleaner	1
344	693675	Screw−Torx®Hex.	1
423	692129	Screw−Torx®Hex.	1
445	496894	Filter−Air	1
467	493903	Knob−Air Cleaner	1

Ref. No.	Part No.	Description	No. Used
711	94704	Screw−Hex. Hd.	1
875	693686	Body−Air Cleaner	1
967	272403	Filter−Air	1
968	281365	Cover−Air Cleaner	1
996	690678	Shield−Carburetor	1

⋆ Included in Gasket Set−Part No. 495993.
∆ Included in Valve Overhaul Kit−Part No. 495992.
● Included in Carburetor Kit−Part No. 499233.
◆ Included in Carburetor Gasket Set−Part No. 690192.



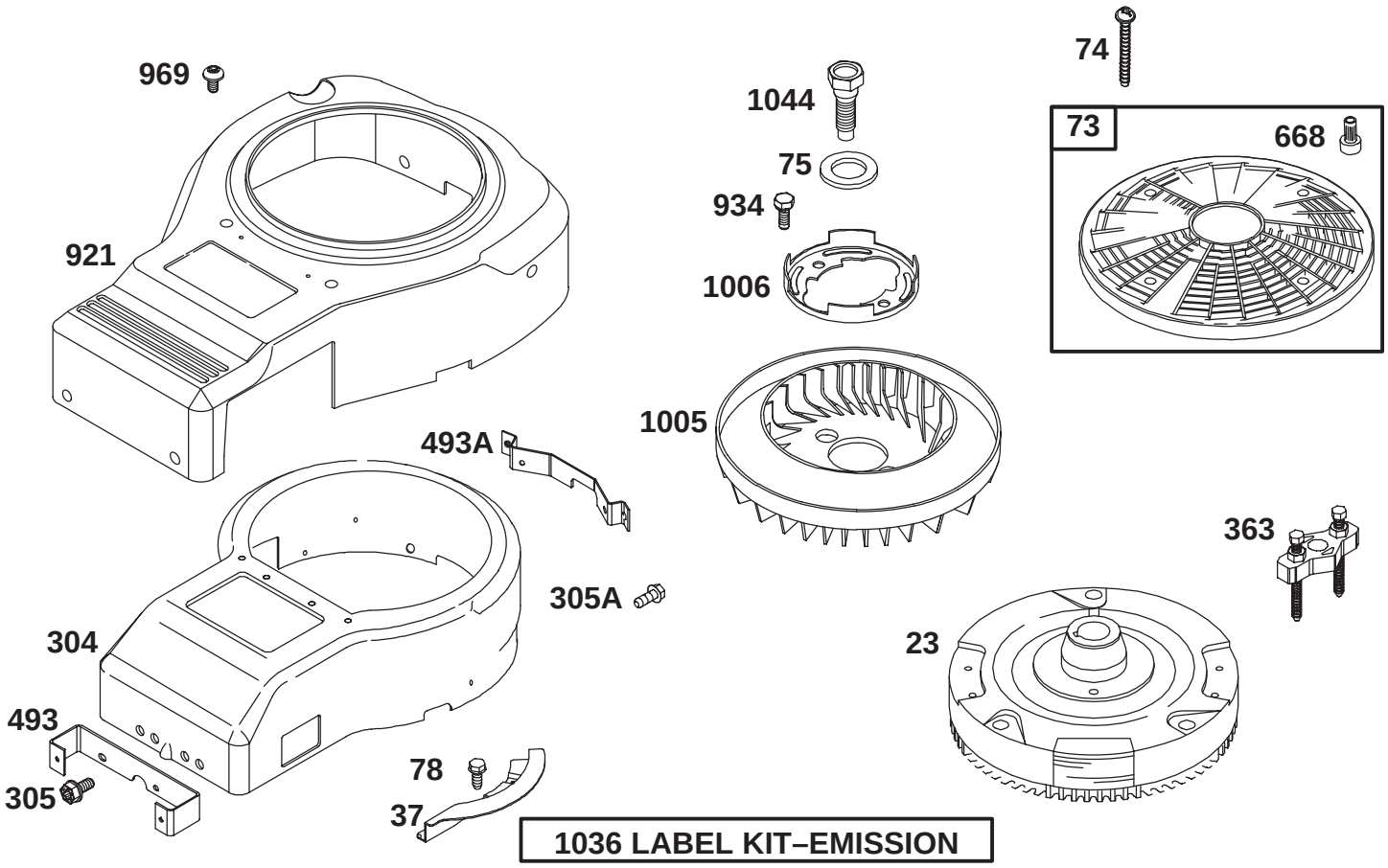
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
202	262767	Link–Governor	1
209	692208	Spring–Governor	1
216	262766	Link–Choke	1
222	495611	Plate–Gov. Control	1
227	493935	Lever Assy.–Governor	1
231	94929	Screw	1
232	262785	Spring–Governor Link	1
265	221535	Clamp–Casing	1
333	495859	Armature–Magneto	1
334	94731	Screw–Sem	1
356	494705	Wire–Ground	1
474	393474	Alternator	1

Ref. No.	Part No.	Description	No. Used
482	93621	Screw–Sem	1
521	272699	Shield–Cable	1
562	94907	Bolt–Governor Lever	1
592	231978	Nut–Hex.	1
657	94906	Screw–Sem	1
663	94929	Screw–Hex. Hd.	1
729A	281390	Clip–Lead Wire	1
789	692037	Harness–Wiring	1
851	224110	Terminal–Ignition Cable	1
877	393456	Wire–Alternator	1

★ Included in Gasket Set–Part No. 495993.
△ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.



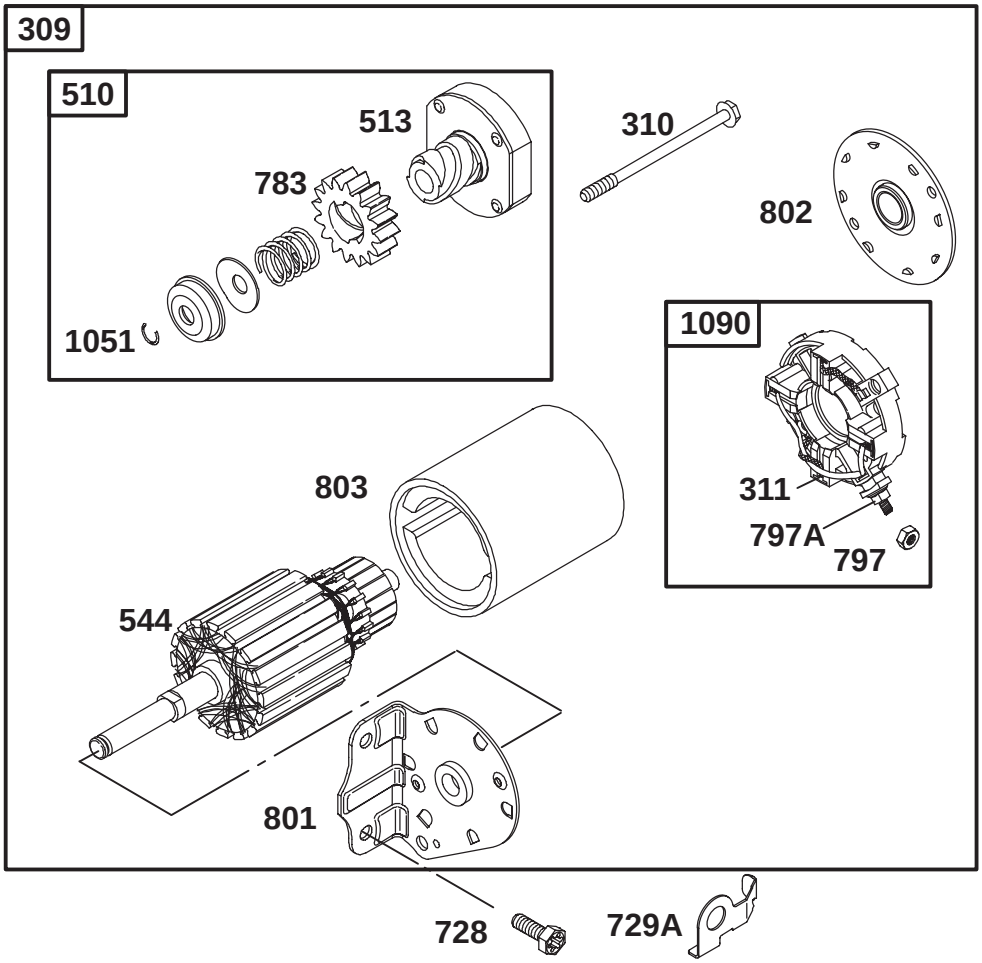
Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
23	693557	Flywheel	1
37	224502	Guard–Flywheel	1
73	494439	Screen–Rotating	1
74	94821	Screw–Sem	1
75	224061	Washer	1
78	94896	Screw–Hex. Head	1
304	225017	Housing–Blower	1
305	690960	Screw–Hex. Head	1
305A	692127	Screw–Torx®Hex.	1
363	19203	Puller–Flywheel	1
493	224968	Bracket–Mounting	1

Ref. No.	Part No.	Description	No. Used
493A	224969	Bracket–Mounting	1
668	280848	Spacer	1
921	225016	Cover–Blower Housing	1
934	94627	Screw–Sem	1
969	94822	Screw–Torx®	1
1005	281400	Fan–Flywheel	1
1006	224413	Retainer–Fan	1
1036	499364	Label Kit–Emission	1
1044	94673	Screw (Flywheel)	1

★ Included in Gasket Set–Part No. 495993.
△ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.

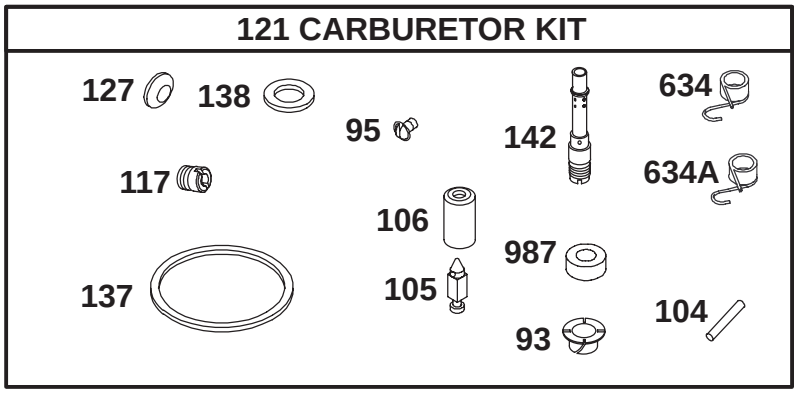


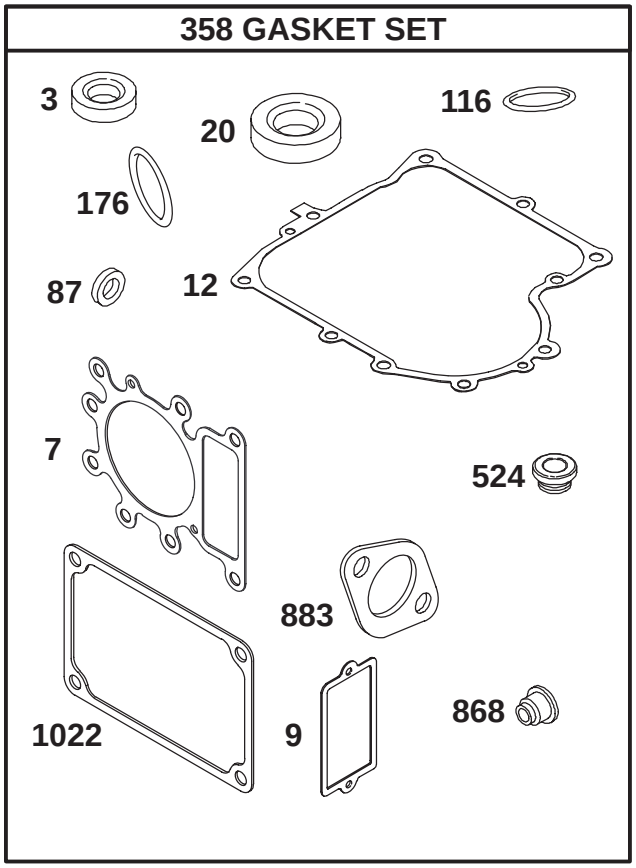
ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

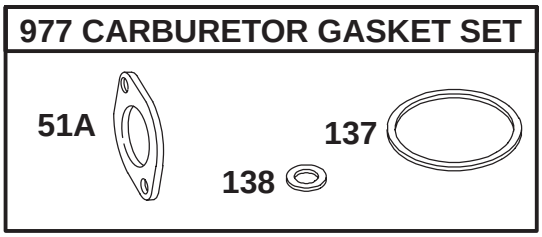
Ref. No.	Part No.	Description	No. Used
309	693551	Motor–Starter	1
310	94003	Screw (Starter Motor)	1
311	497608	Brush Set	1
510	693699	Drive–Starter	1
513	398003	Clutch–Drive	1
544	497603	Armature–Starter	1
728	94951	Screw (Starter Motor Mounting)	1
729A	225170	Clip–Wire	1

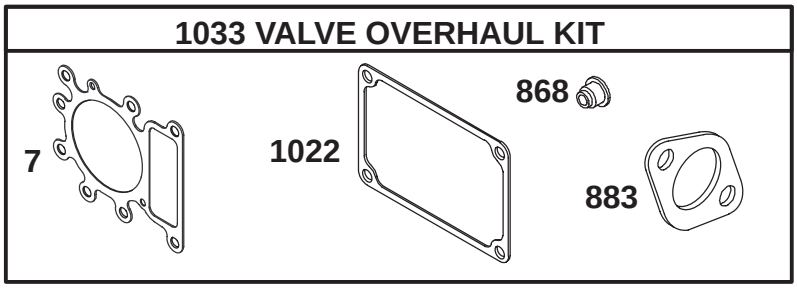
Ref. No.	Part No.	Description	No. Used
783	693713	Starter–Pinion (Steel)	1
797	92278	Nut (Starter Terminal)	1
797A	693167	Nut (Starter Terminal)	1
801	497626	Cap–Drive	1
802	497607	Cap–End	1
803	693757	Housing–Starter	1
1051	263080	Ring–Retainer	1
1090	497605	Retainer–Brush	1

★ Included in Gasket Set–Part No. 495993.
∆ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.









Assemblies include all parts shown in frames.

ENGINE BRIGGS & STRATTON MODEL 28Q777–0690–E1

Ref. No.	Part No.	Description	No. Used
★3	391086	Seal–Oil	1
Δ★7	273280	Gasket–Cylinder Head	1
★9	27803	Gasket–Valve Cover	1
★12	271916	Gasket–Crankcase (.015” Thick)	1
★	271997	Gasket–Crankcase (.005” Thick)	1
★	271996	Gasket–Crankcase (.009” Thick)	1
★20	291675	Seal–Oil	1
●51A	273650	Gasket–Carburetor	1
★87	491323	Seal–Governor	1
●93	281346	Bushing–Throttle Shaft	1
●95	94098	Screw–Throttle	1
●104	231789	Pin–Float Hinge	1
●105	231855	Valve–Inlet Needle	1
●106	231854	Seat–Inlet	1
★116	270920	Seal–O-Ring	1
●117	232118	Jet–Main	1

Ref. No.	Part No.	Description	No. Used
121	499233	Carburetor Kit	1
●127		Plug–Welch (Sold in Kit Only).	1
●◆137	281165	Gasket–Float Bowl	1
●◆138	281164	Washer–Float Bowl	1
●142	232117	Nozzle–Carburetor	1
★176	281106	Gasket–Air Cleaner	1
358	495993	Gasket Set	1
★524	281370	Seal–Fill Tube	1
●634	494453	Seal–Spring Assembly	1
●634A	494455	Seal–Spring Assembly	1
Δ★868	494435	Seal–Valve	1
Δ★883	272293	Gasket–Exhaust	1
977	690192	Carburetor Gasket Set	1
●987	281166	Seal–Throttle Shaft	1
Δ★1022	272475	Gasket–Rocker Cover	1
1033	495992	Kit–Valve Overhaul	1

★ Included in Gasket Set–Part No. 495993.
Δ Included in Valve Overhaul Kit–Part No. 495992.
● Included in Carburetor Kit–Part No. 499233.
◆ Included in Carburetor Gasket Set–Part No. 690192.

Maintenance Record

Date								


TORO®