Form No. 3324-777

16-38HXL, 16-38HXLE

Lawn Tractor

Model No. 71227-210000001 and Up
Model No. 71242-210000001 and Up

Parts Catalog

PROTOTYPE

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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Contents

Description	Page
Frame & Body Assembly	3
Hood & Tower Assembly	4
Rear Body & Seat Assembly	5
Steering Assembly	6-7
Fixed Steering Assembly	8
OHV Engine System Assembly	9
Traction Clutching Assembly	10
Rear Wheel & Tire Assembly	11
Hydro Transaxle Assembly	12
Hydro Transaxle Controls Assembly	13
38" Deck Assembly	14
38" Deck Assembly	15
38" Deck Blade Drive & Braking Assembly	16
38" Deck Engagement Assembly	17
Height of Cut Assembly	18
Electrical Assembly	19
Housing & Bearing Assembly	20
Gear Assembly	21
Axle Assembly	22
Wiring Schematic	23
Engine Briggs & Stratton Model 28Q777-0690-E1	24-32
Maintenance	33–35

Accessories

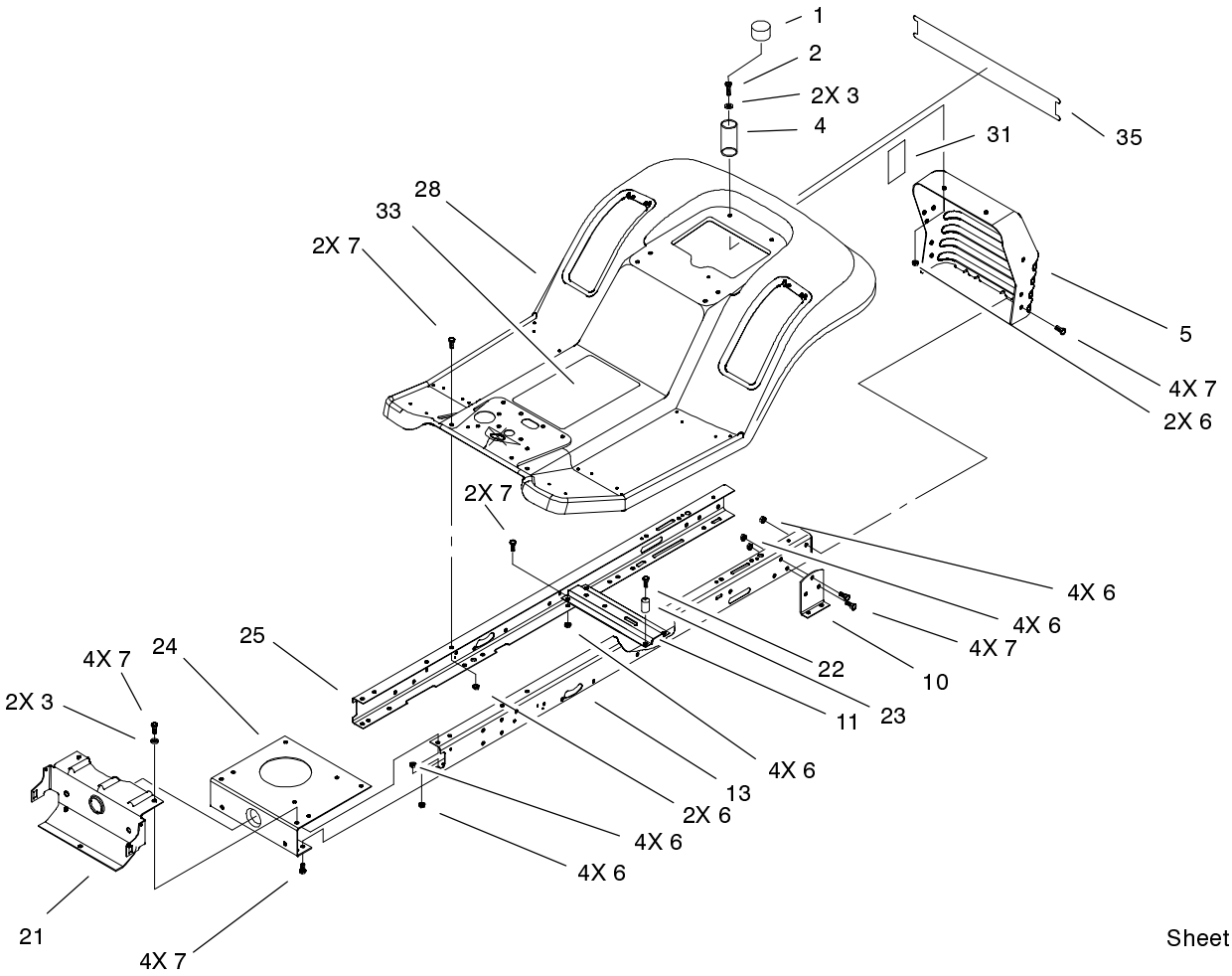
Description	Model / Part No.
Easy Empty Bagging Kit	Model No. 79116
Easy Empty Bagging Kit	Model No. 79117
Recycler Kit (Std. both models)	Model No. 79170
Hi-Sail Bagging Blade (Std. on model 71242) (Optional on model 71227)	Part No. 57-4700
Tire Chains	Part No. 11-0430
Headlight Kit (Std. both models)	Model No. 79180
42" (106.7cm) Snowblade Kit	Model No. 79150
Wheel Weight Kit	Model No. 59159
Anti Scalp Kit (Std. model 71242) (Optional model 71227)	Model No. 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
HYD	hydraulic
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

PROTOTYPE



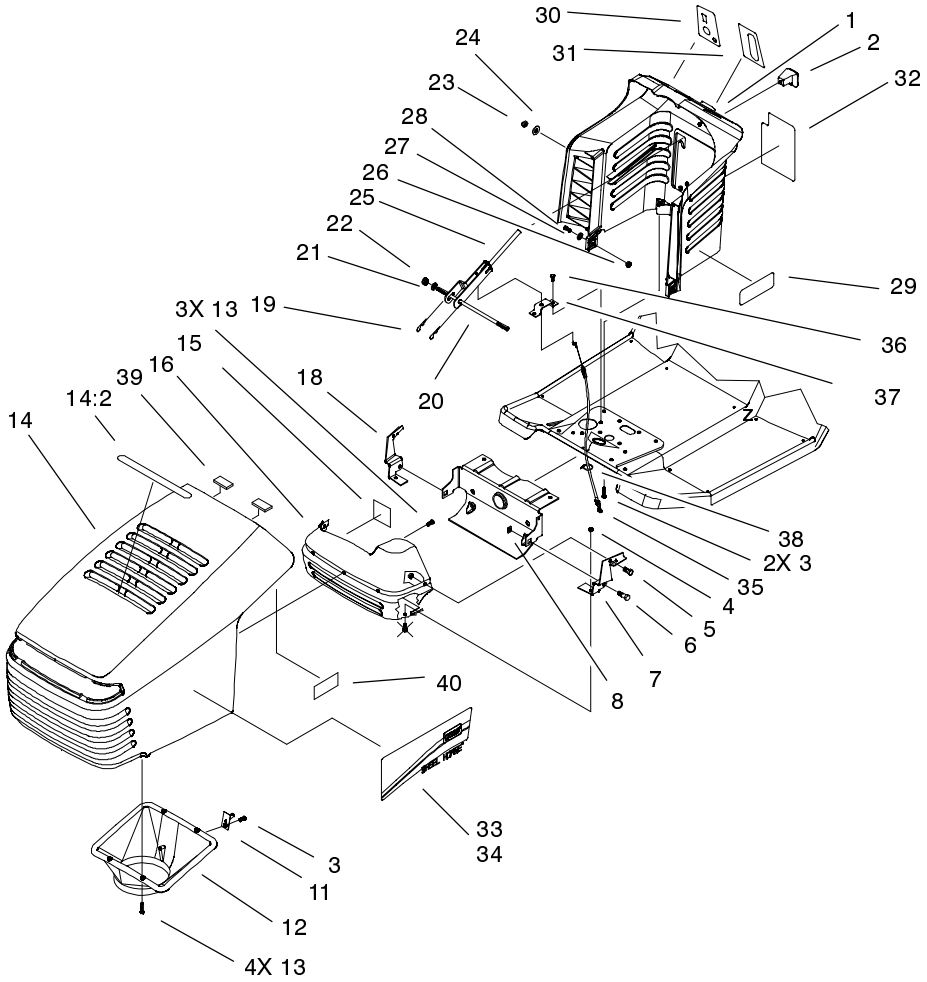
Sheet No.:2

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
7	322-3	20	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
22	322-13	2	Screw-HH
23	88-5470	2	Spacer-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	100-7449	1	Decal-Dump Valve
33	93-6676	1	Decal - Instruction (only on: 71242)
33	99-6095	1	Decal - Instruction Hydro (only on: 71227)
35	95-0809	1	Decal-Rear Body

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



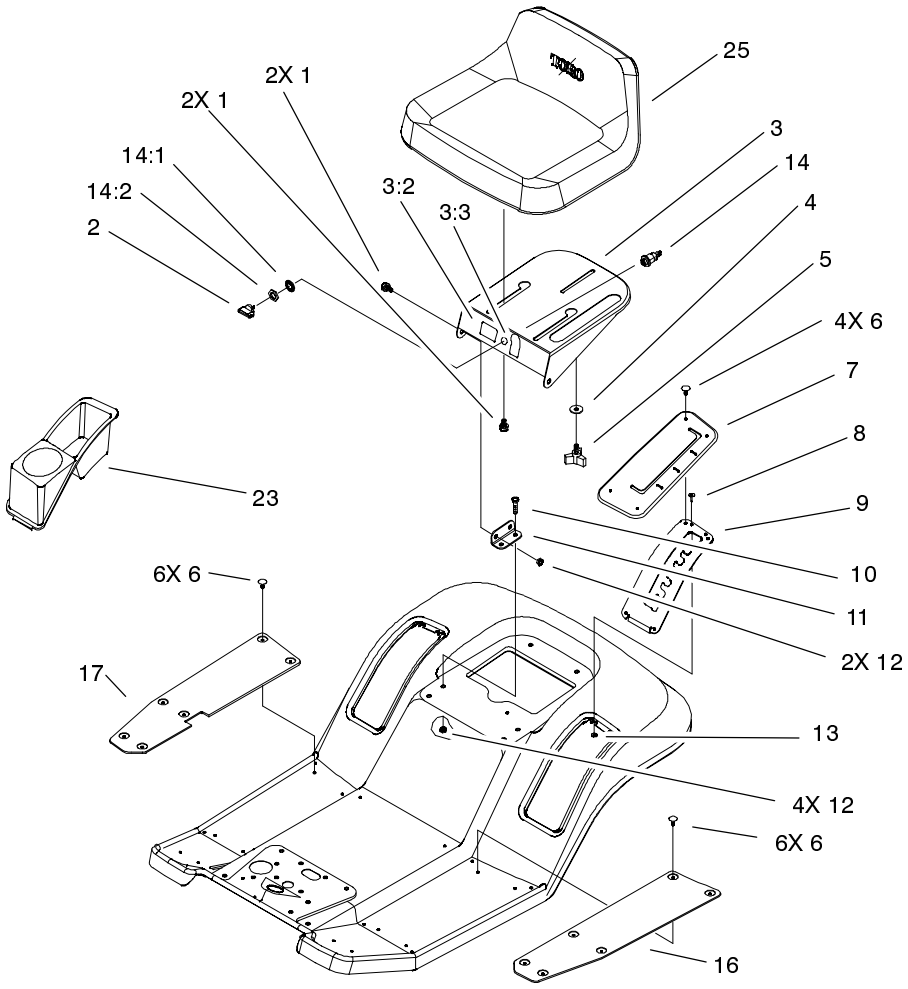
Sheet No.:3

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 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	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	Pin-Hair
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
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 (only on: 71227)
30	99-8141	1	Decal-Ignition/Lights (only on: 71242)
31	92-5730	1	Decal - Throttle (only on: 71242)
31	92-2461	1	Decal - Throttle (only on: 71227)
32	93-6673	1	Decal - Deck Engage (only on: 71242)
32	92-2462	1	Decal - Deck Engage (only on: 71227)
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	104-4150	1	Decal-Service, 71227 (only on: 71227)

PROTOTYPE



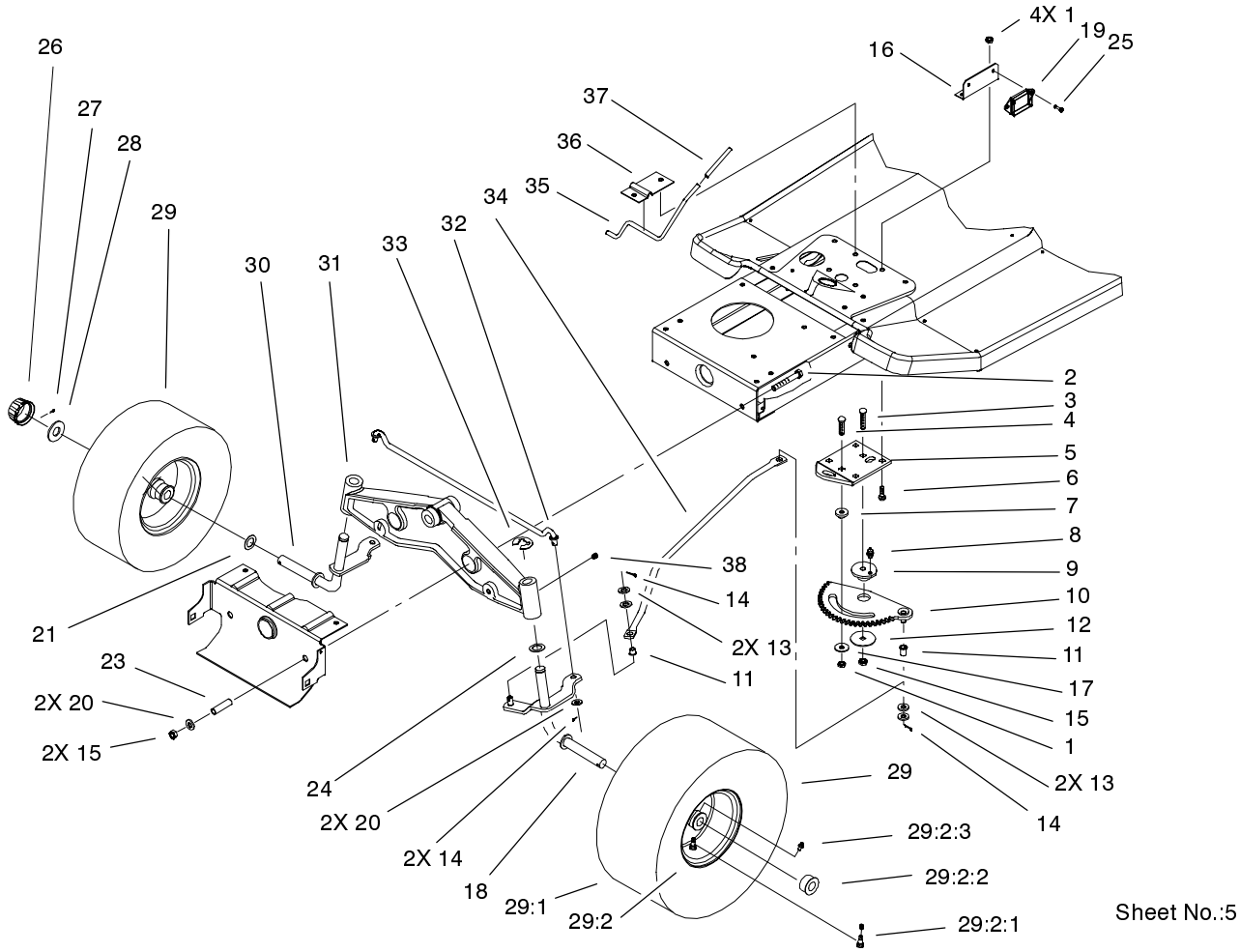
Sheet No.:4

Rear Body & Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	37-8770	4	Bolt-Shoulder
2	63-8360	1	Key-Ignition
3	99-5831	1	Support ASM-Seat (only on: 71242)
3	99-5830	1	Support ASM-Seat (only on: 71227)
3:2	99-2986	1	Decal-Danger (only on: 71242)
3:2	99-2985	1	Decal-Danger (only on: 71227)
3:3	99-5339	1	Decal (only on: 71227)
3:3	99-5340	1	Decal-Switch (only on: 71242)
4	5-4460	1	Washer-Pivot
5	92-9674	1	Knob
6	3290-479	16	Fastener-Panel
7	93-7657	1	Cover - HOC, Intl (only on: 71242)
7	88-5170	1	Cover - HOC (only on: 71227)
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

Ref. No.	Part No.	Qty.	Description
13	3269-26	2	Washer-Flat
14	46-5780	1	Switch-Starter
14:1	3254-5	1	Washer-Lock, Internal
14:2	218-461	1	Nut-HH
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

PROTOTYPE



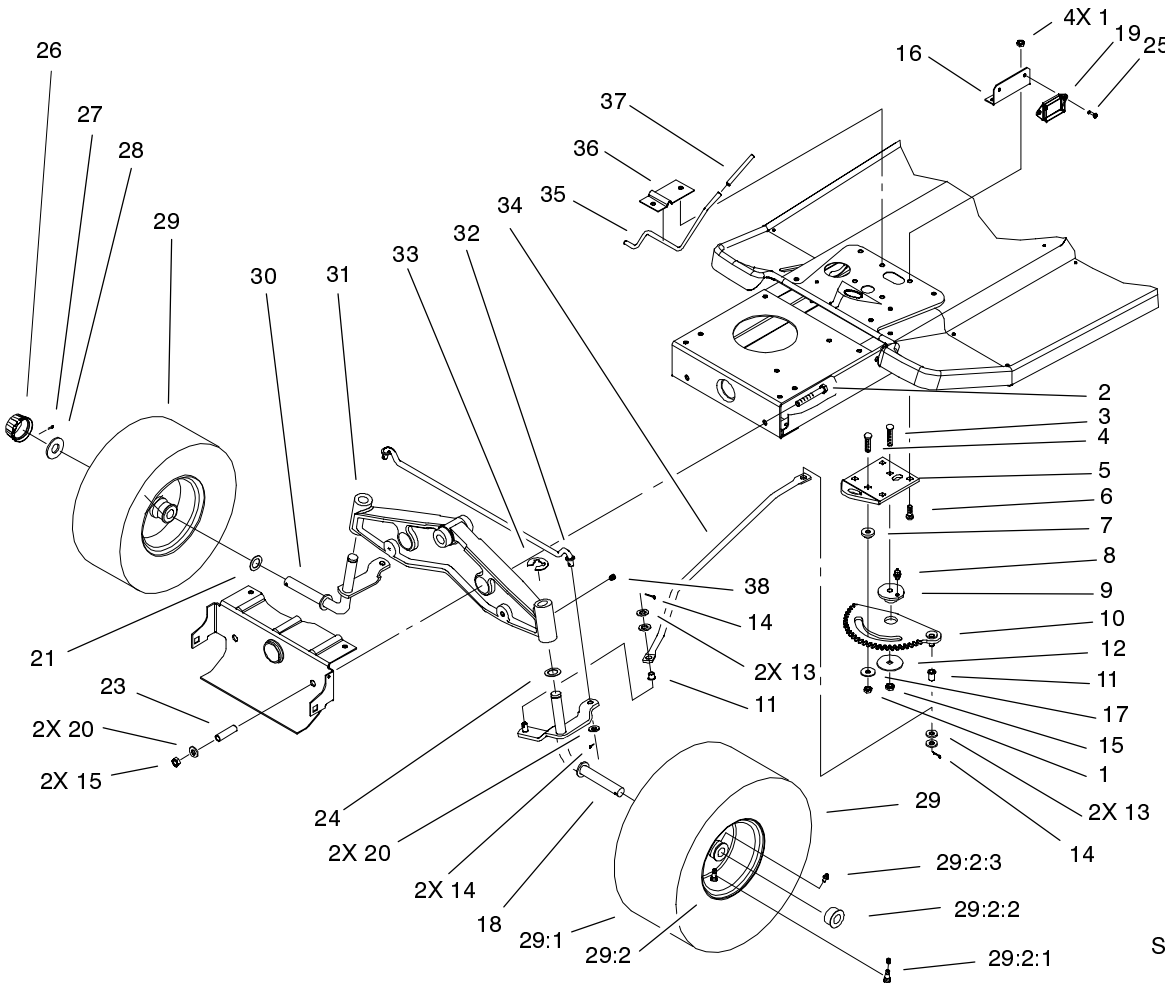
Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-29	5	Nut-Lock
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, 15" (only on: 71242)
☆29		2	Wheel&tire ASM,Front (only on: 71227)
29:1	99-2988	1	Tire
29:2	88-4370	1	15" Rim ASM (only on: 71227)
29:2	99-6829	1	Rim ASM-Welded (only on: 71242)
29:2:1	232-27	1	Stem-Valve
29:2:2	88-4400	2	Bearing - Wheel (only on: 71227)
29:2:2	110513	2	Bearing-Wheel (only on: 71242)
29:2:3	302-5	1	Fitting-Grease
*	232-39	1	Tube (only on: 71242)
*	232-39	1	Tube (only on: 71227)
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

☆ Not serviced
* Not illustrated

PROTOTYPE



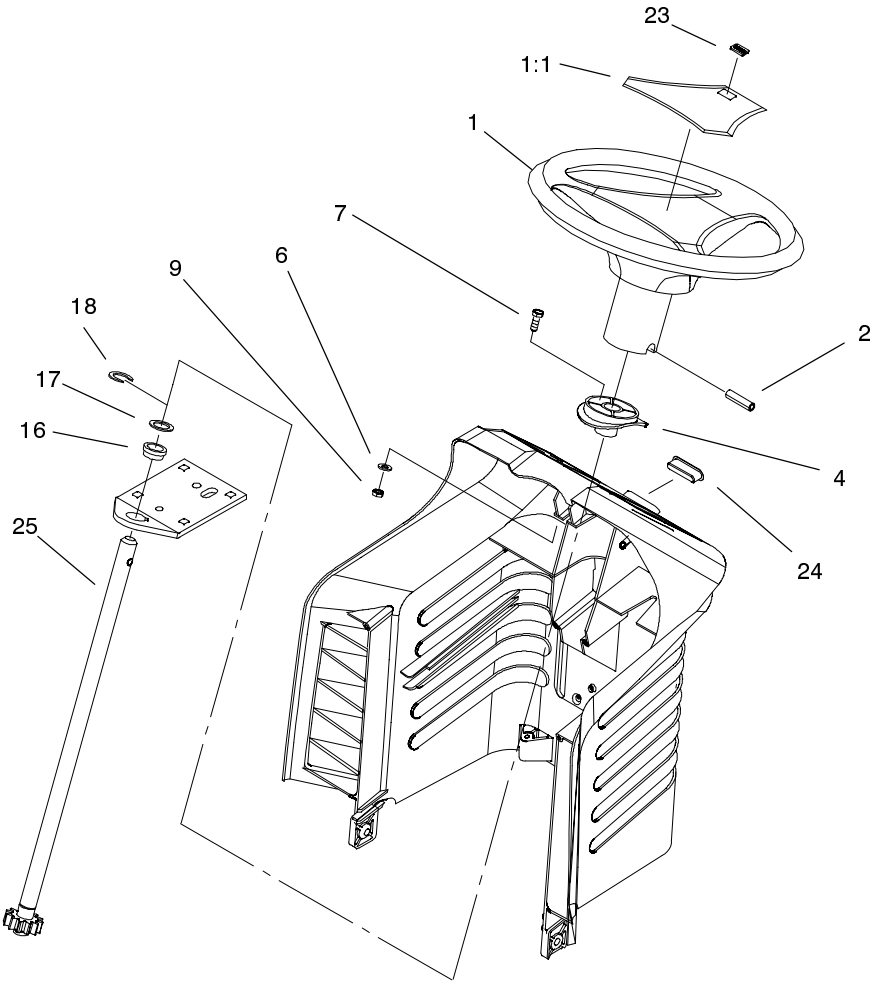
Sheet No.:5

Steering Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
36	88-5520-03	1	Bracket-Parking Brake
37	88-0890	1	Grip-Bag Handle
38	302-5	2	Fitting-Grease

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



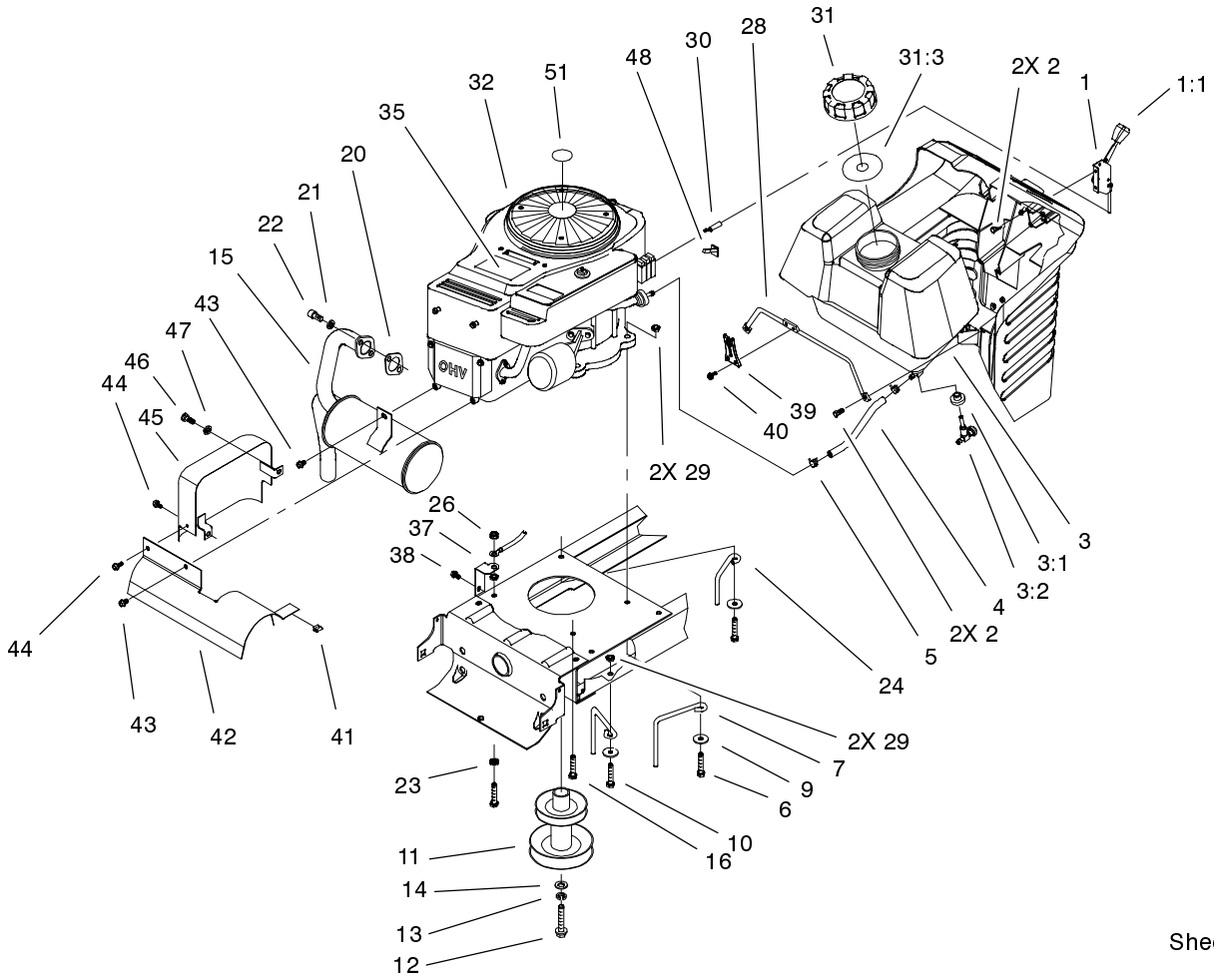
Sheet No.:7

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 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	Shaft-Long Steering

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:8

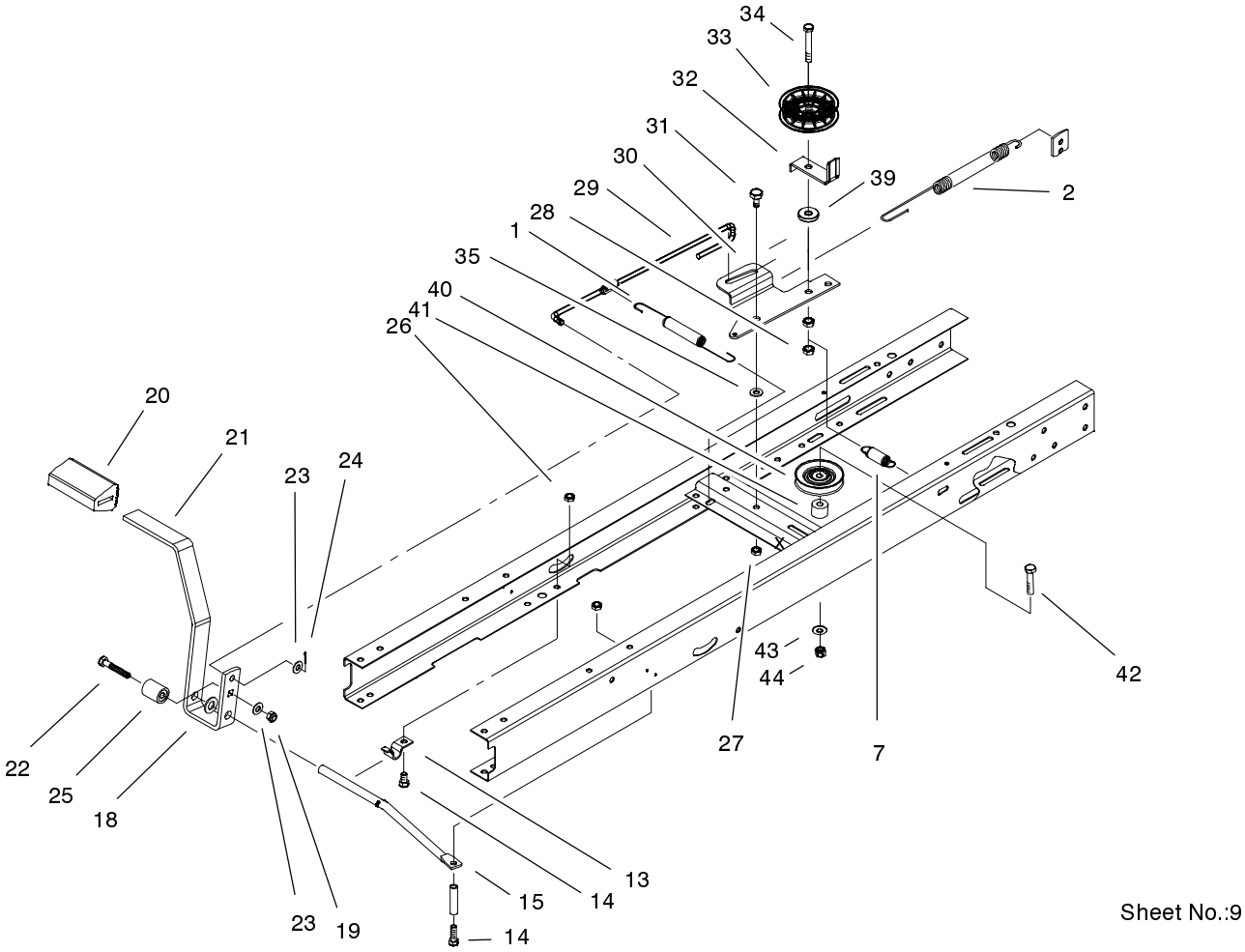
OHV Engine System Assembly

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	94-1963	1	Pulley-Engine ASM
12	62-3760	1	Screw-HH
13	3253-22	1	Washer-Lock
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-Lock
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
28	94-1952	1	Rod - Gas Tank
29	3296-29	4	Nut-Lock

Ref. No.	Part No.	Qty.	Description
30	88-4350	1	Cable-Throttle
31	88-3980	1	Gas Cap ASM
31:3	88-4010	1	Gasket-Cap, Gas
☆32		1	Engine-15.5 HP Intec Briggs & Stratton Model 28q777-0690-E1
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-Hex Washer Hd Thr'd Form
41	93-3882	1	Clip - Tinnerman, U
42	93-3880-03	1	Shield-Muffler
43	9266714	2	Screw-HWH
44	32104-76	2	Screw
45	93-8450-03	1	Wa - Exhaust Shield
46	322-3	1	Screw-HH
47	3253-4	1	Washer-Lock
48	88-4490	1	Reducer-Throttle Rpm (only on: 71242)
51	99-6842	1	Decal-Logo

PROTOTYPE

☆ Not serviced



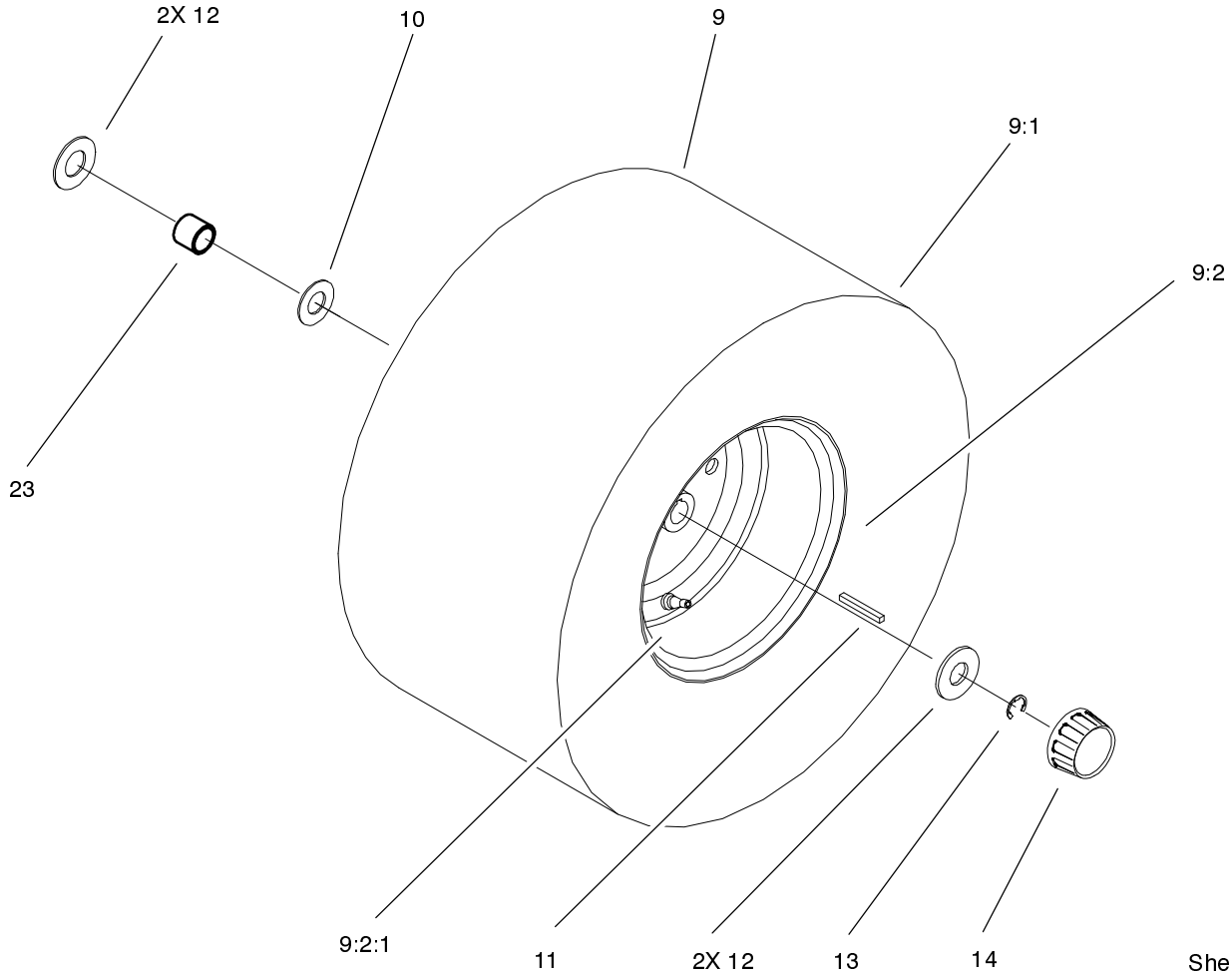
Sheet No.:9

Traction Clutching Assembly

Ref. No.	Part No.	Qty.	Description
1	27-8890	1	Spring-Return
2	100-7422	1	Spring-Brake
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
27	3296-29	1	Nut-Lock
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	104-4160	1	Pulley-Idler
34	323-11	1	Screw-HH
35	5-4460	1	Washer-Pivot
39	92-4890	1	Washer - Wheel
40	92-7102	1	Pulley - Idler

Ref. No.	Part No.	Qty.	Description
41	92-5791	1	Spacer
42	323-10	1	Screw-HH
43	3256-3	1	Washer-Flat
44	3296-39	1	Nut-Lock, NI

PROTOTYPE



Sheet No.:11

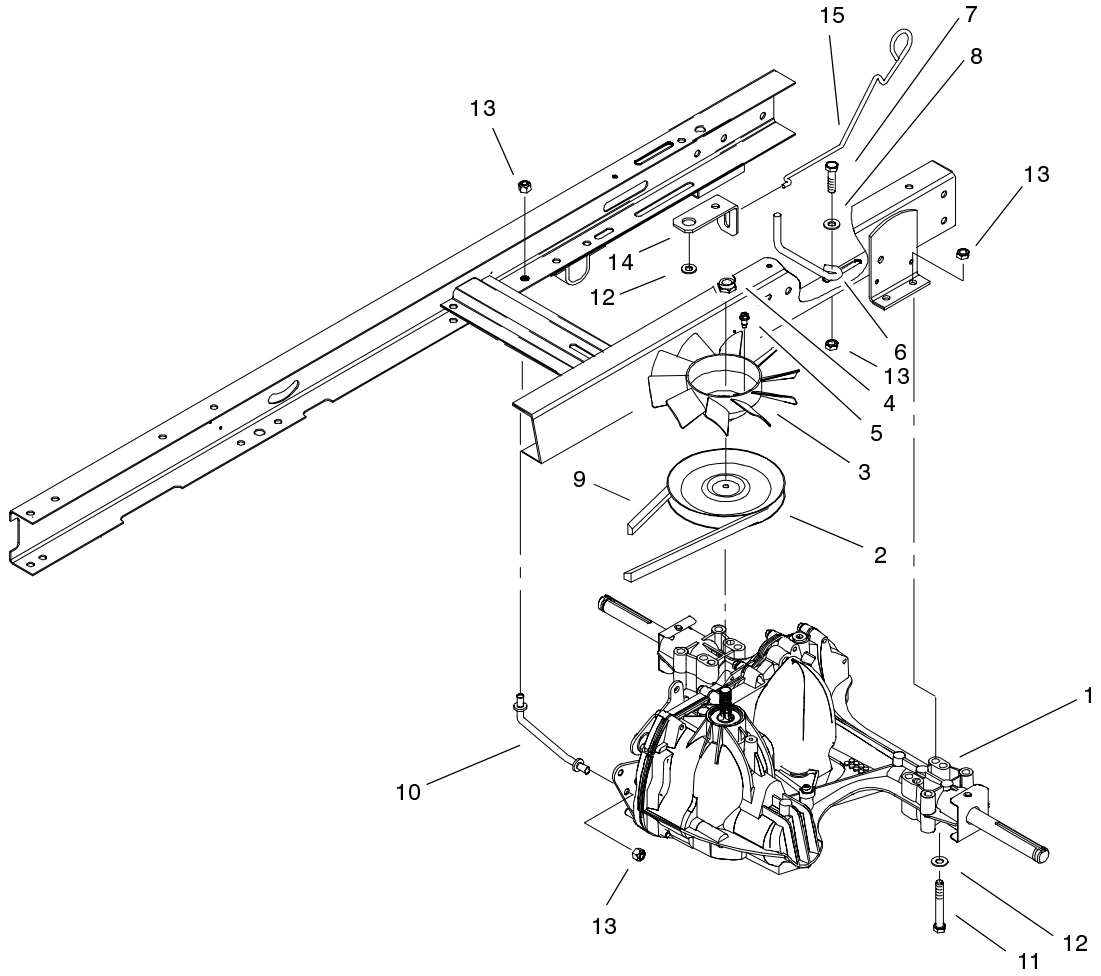
Rear Wheel & Tire Assembly

Ref. No.	Part No.	Qty.	Description
☆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
*	232-41	1	Tube
10	3-6498	2	Washer-Thrust
11	7-0036	2	Key
12	28-2480	4	Washer
13	32151-48	2	E-Ring
14	61-9780	2	Cap-Hub
23	104-4161	2	Spacer-Wheel

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced
* Not illustrated



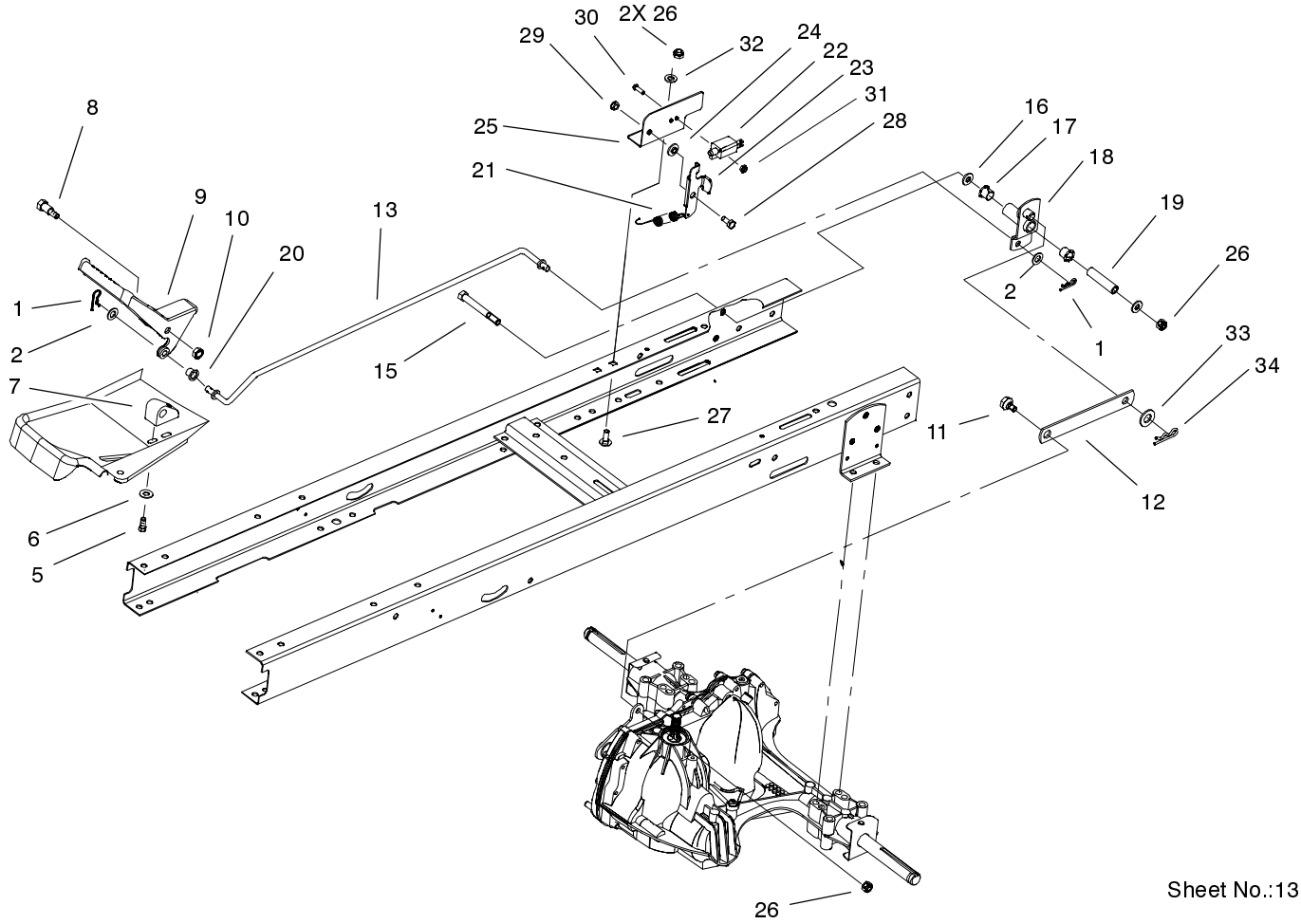
Sheet No.:12

Hydro Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
1	104-1760	1	ASM-Transaxle
2	104-1754	1	Pulley-4.5”
3	104-2162	1	Fan
4	3296-28	1	Nut-Lock Nl
5	9134304	3	Screw
6	93-3868	1	Guide - Transmission Belt
7	322-5	1	Screw-HH
8	5-4460	1	Washer-Pivot
9	88-6280	1	V-Belt
10	100-6225	1	Strap-Torque
11	322-13	4	Screw-HH
12	3256-23	4	Washer-Flat
13	3296-29	7	Nut-Lock
14	100-7406	1	Bracket-Bypass
15	100-7407	1	Wire-Bypass

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



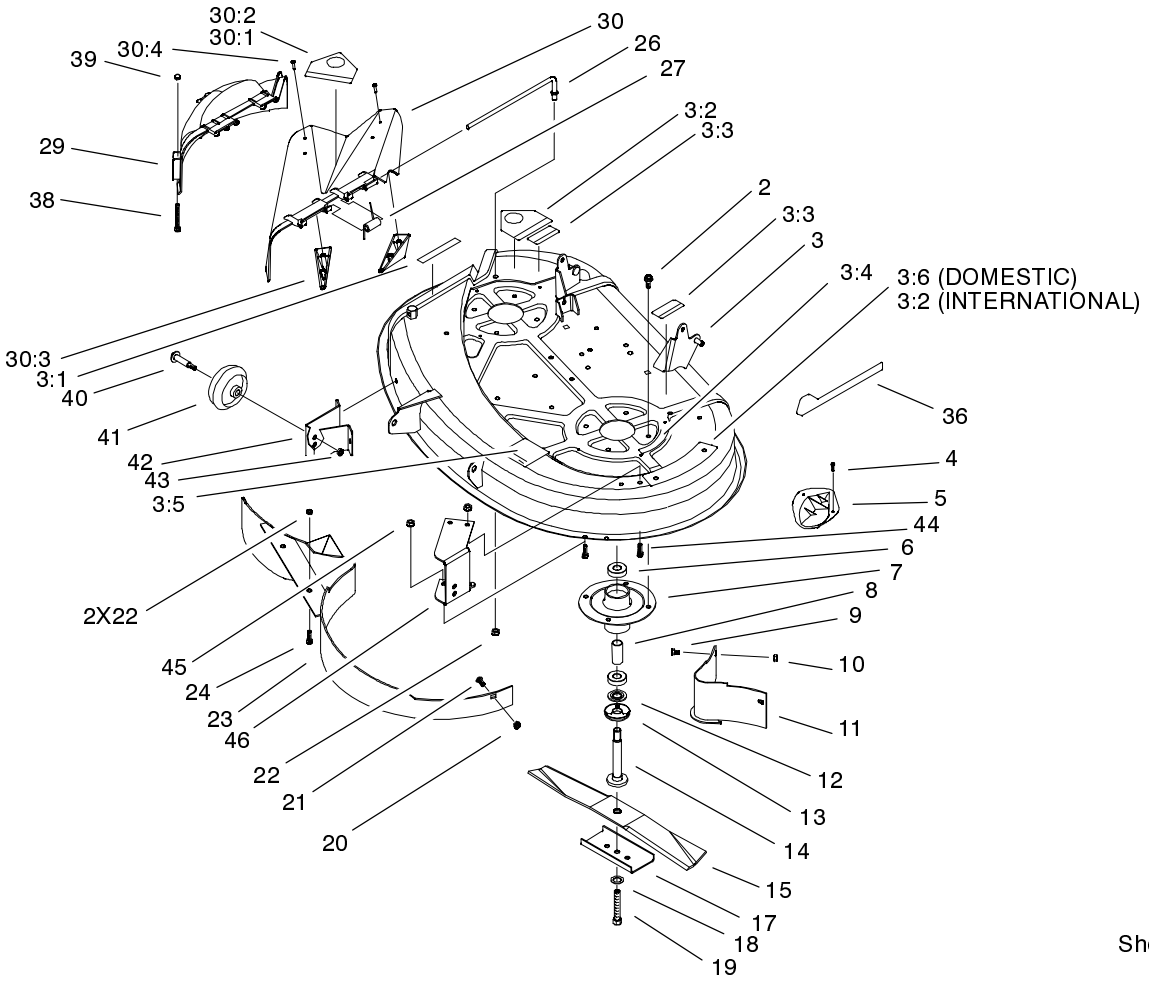
Sheet No.:13

Hydro Transaxle Controls Assembly

Ref. No.	Part No.	Qty.	Description
1	3290-307	2	Pin-Hair
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	Bolt-Shoulder
9	99-6120-05	1	Pedal-Speed Control
10	3296-59	1	Nut-Lock NI
11	37-8770	1	Bolt-Shoulder
12	99-6833	1	Link-Speed Control
13	99-6839	1	Rod-Speed Control
15	322-14	1	Screw-HH
16	3256-2	2	Washer-Flat
17	256-257	2	Flange-Nyliner
18	99-6835-03	1	Pivot ASM
19	99-6832	1	Spacer-Pivot
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	4	Nut-Lock
27	3230-18	2	Screw-CARR
28	99-6810	1	Screw-Hex Hd
29	3296-42	1	Nut-Lock NI

Ref. No.	Part No.	Qty.	Description
30	3290-392	2	Screw - HHF
31	3296-1	2	Nut-Lock NI
32	3256-23	2	Washer-Flat
33	3256-26	1	Washer-Flat
34	9335054	1	Pin-Hair

PROTOTYPE

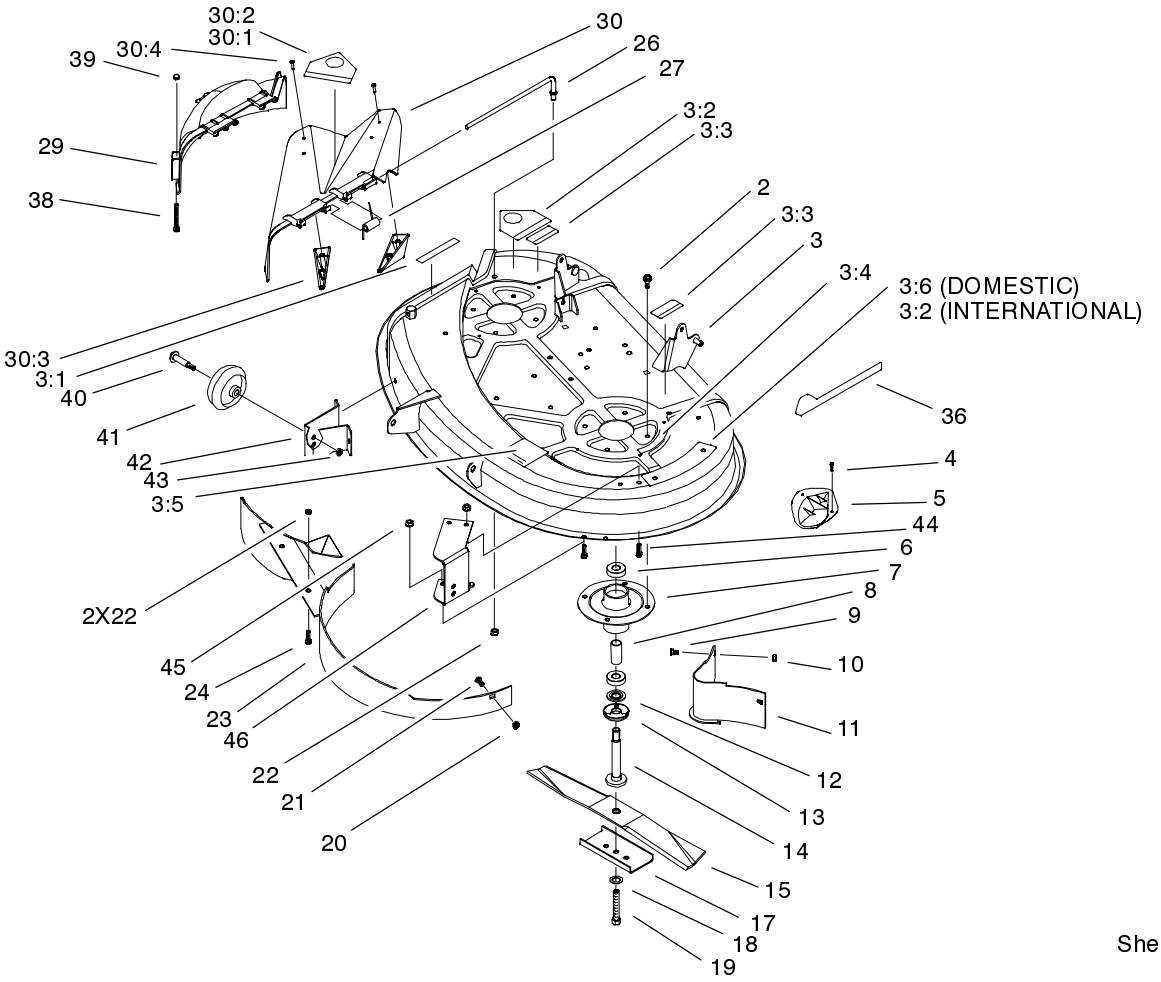


Sheet No.:16

38” Deck Assembly

Ref. No.	Part No.	Qty.	Description
2	32144-41	8	Screw-Taptite
3	99-5846	1	Deck ASM-Service (only on: 71227)
3	99-5847	1	Deck ASM-Service,Intl (only on: 71242)
3:1	93-7009	1	Decal-Danger (only on: 71242)
3:1	68-3650	1	Decal-Deflector Danger (only on: 71227)
3:2	93-7010	2	Decal - Danger (only on: 71242)
3:2	93-1122	1	Decal-Danger (only on: 71227)
3:3	93-6674	2	Decal - Warning (only on: 71242)
3:3	55-4300	2	Decal (only on: 71227)
3:4	93-6677	1	Decal - Shield Danger (only on: 71242)
3:4	68-3660	1	Decal-Shield Danger (only on: 71227)
3:5	93-6679	1	Decal-Belt Routing (only on: 71242)
3:5	93-6679	1	Decal-Belt Routing (only on: 71227)
3:6	79-3140	1	Decal-Danger (only on: 71227)
4	32144-111	8	Screw-PPH
5	76-2160	4	Plate-Kicker
6	38-7820	4	Bearing-Ball
7	88-4510	2	Spindle
8	62-3661	2	Spacer-Bearing
9	321-4	2	Screw-HH
10	3296-42	2	Nut-Lock NI
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
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

PROTOTYPE



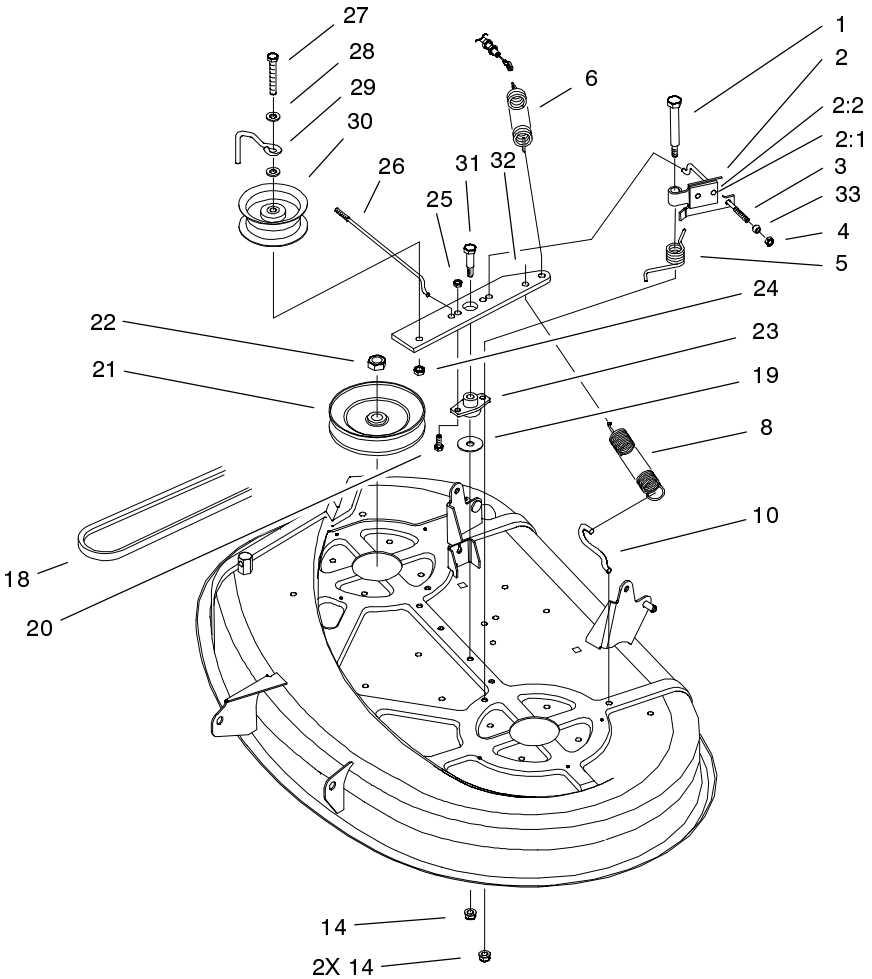
Sheet No.:16

38” Deck Assembly

Ref. No.	Part No.	Qty.	Description
27	57-6950	1	Spring
29	88-4430	1	Recycler Cover
30	93-0317	1	Deflector ASM - 38” (only on: 71227)
30	93-7695	1	Deflector ASM (only on: 71242)
30:1	93-7010	1	Decal - Danger (only on: 71242)
30:2	93-1122	1	Decal-Danger (only on: 71227)
30:3	93-7696	2	Kicker (only on: 71242)
30:4	93-0231	4	Screw - PPH (only on: 71242)
36	100-6203	1	Decal-Recycler 38”
38	321-15	2	Screw-HH
39	32111-7	2	Nut-Cap
40	56-6591	2	Bolt-Wheel (only on: 71242)
41	701756	2	Wheel-Gage (only on: 71242)
42	88-5740-03	1	RH Whl Deck Brkt (only on: 71242)
43	3296-39	2	Nut-Lock, NI (only on: 71242)

Ref. No.	Part No.	Qty.	Description
44	322-3	6	Screw-HH (only on: 71242)
45	3296-29	6	Nut-Lock (only on: 71242)
46	93-3896-03	1	Brkt,LH Deckwheel (only on: 71242)

PROTOTYPE



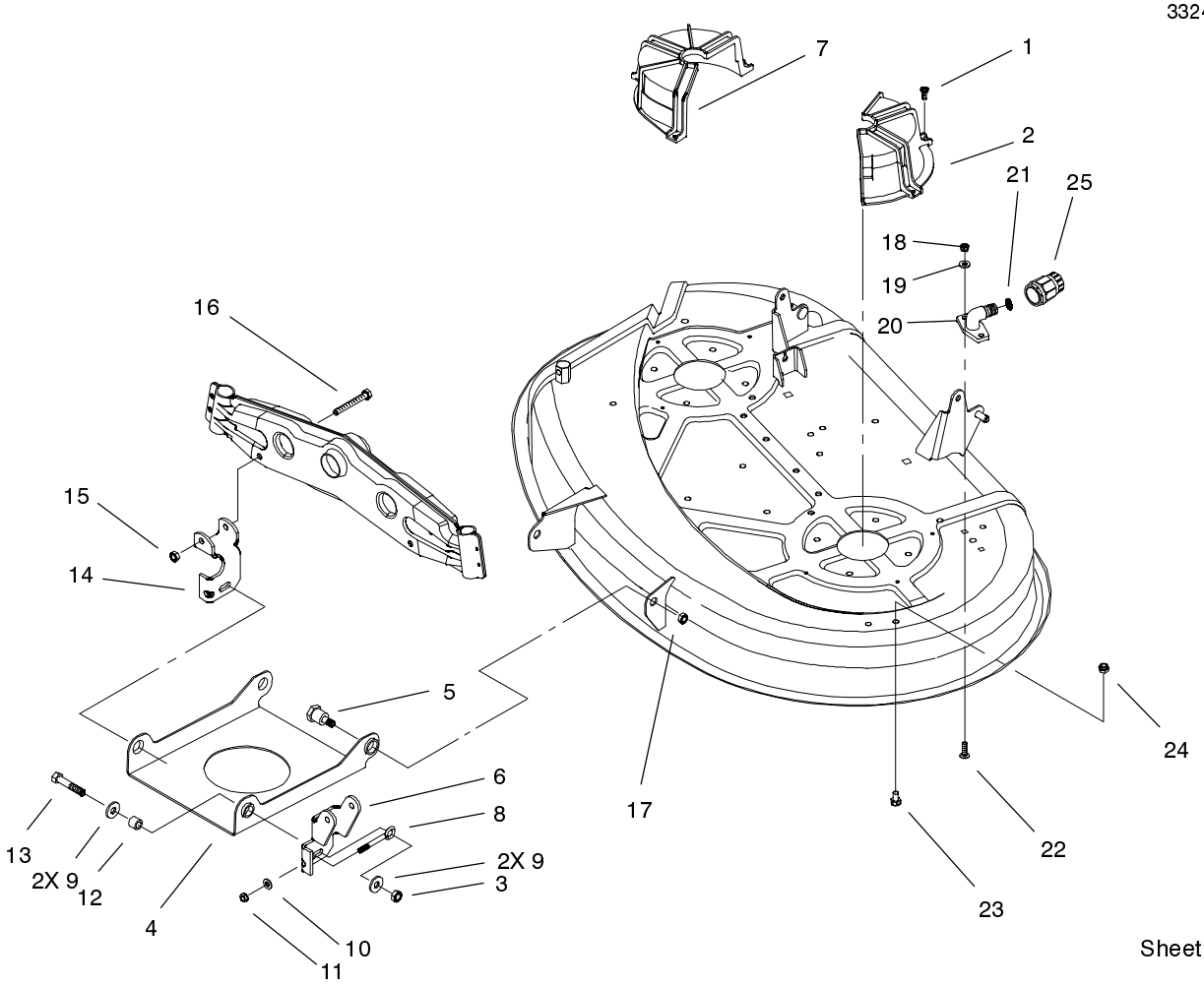
Sheet No.:17

38” Deck Blade Drive & Braking Assembly

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 NI
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
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

PROTOTYPE



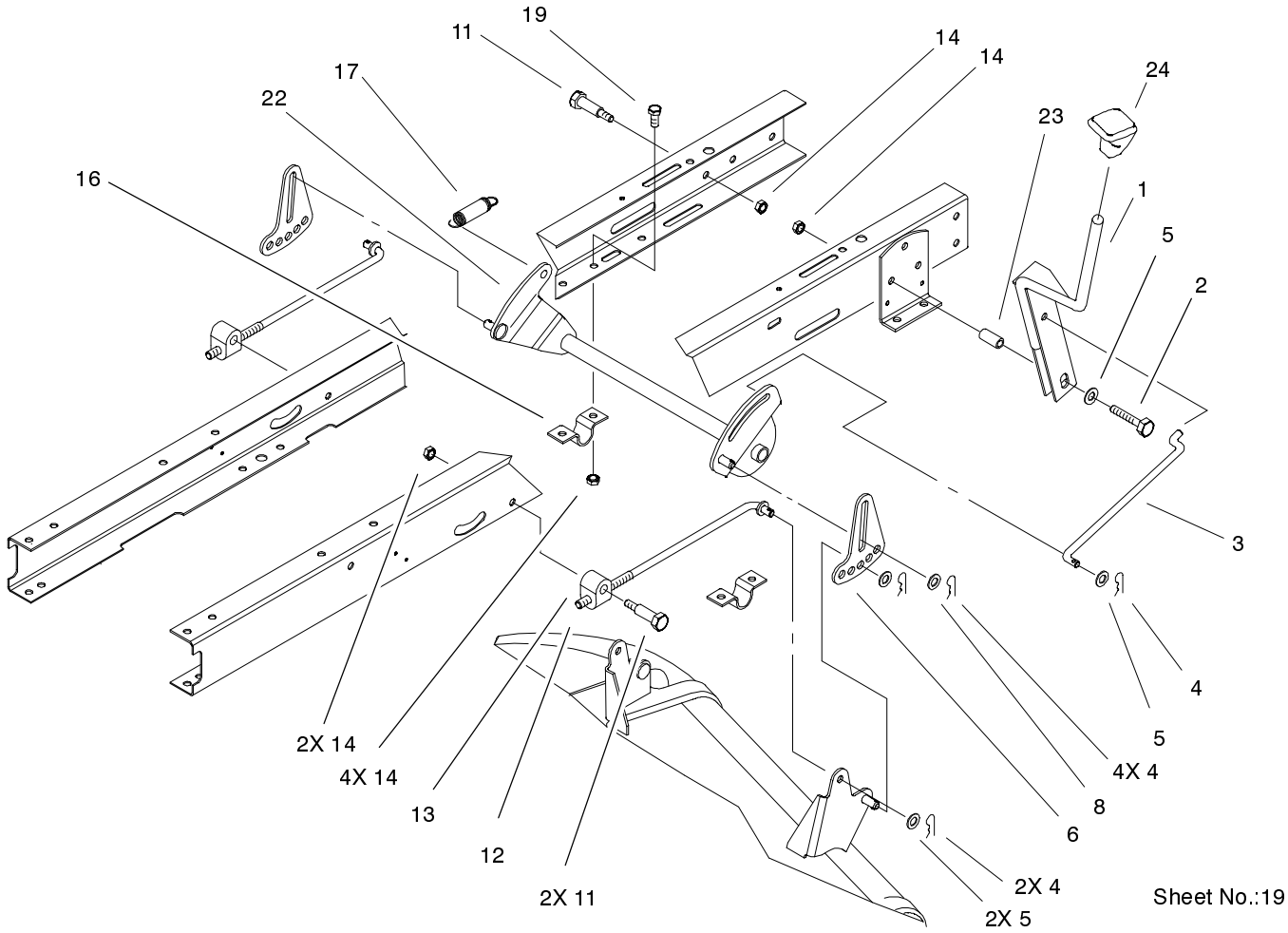
Sheet No.:18

38” Deck Engagement Assembly

Ref. No.	Part No.	Qty.	Description
1	32104-76	5	Screw
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 NI
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
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 (only on: 71227)

Ref. No.	Part No.	Qty.	Description
24	3296-29	2	Nut-Lock (only on: 71227)
25	95-3270	1	Connector-Hose (only on: 71227)

PROTOTYPE

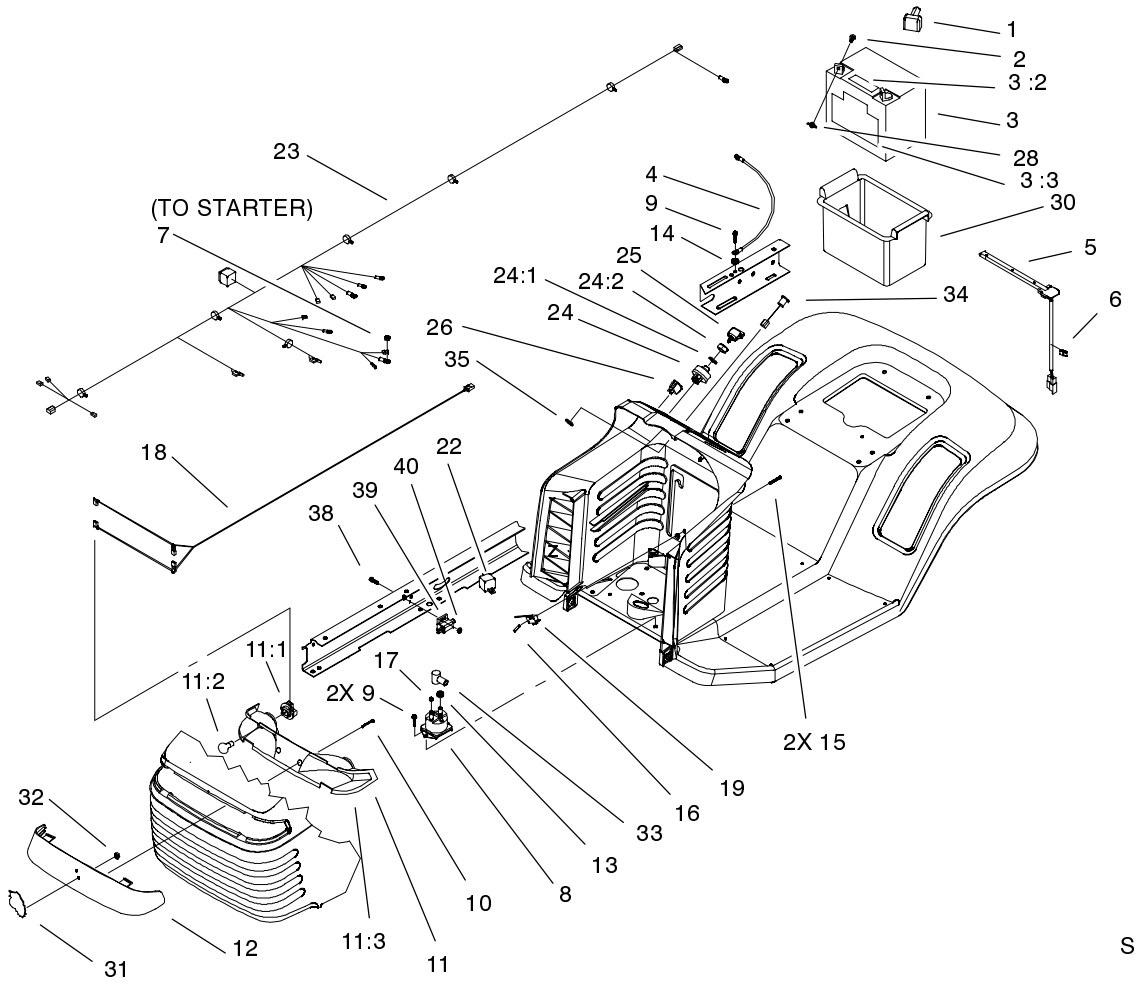


Height of Cut Assembly

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	Pin-Hair
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
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

PROTOTYPE



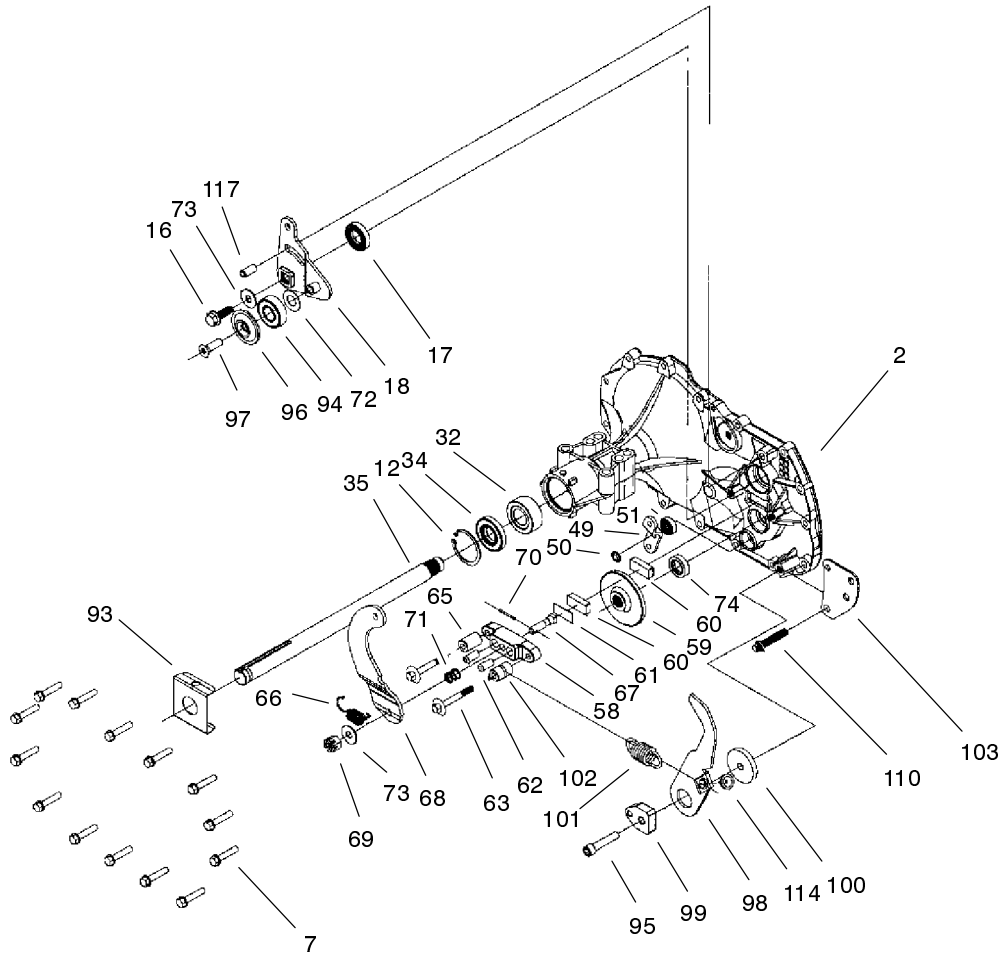
Sheet No.:20

Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	28-8080	1	Boot-Terminal
2	321-4	2	Screw-HH
3	104-1755	1	Battery-155 Cca
3:2	104-4163	1	Decal-Battery
3:3	104-4164	1	Decal-Battery
4	44-8110	1	Wire ASM
5	38-1420	1	Switch-Seat
6	702366	1	Clip-Wire Retainer
7	32149-2	1	Nut
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
14	3255-7	2	Washer-Lock/Ext
15	93-0539	2	Screw-HH
16	3290-354	1	Nut-Speed
17	32149-8	2	Nut-Keps
18	99-1935	1	Harness-Headlight
19	88-9932	1	Switch-Micro
22	98-7249	1	Relay
23	99-6840	1	Harness-Wire, Hydro

Ref. No.	Part No.	Qty.	Description
24	88-9830	1	Switch-Ignition
24:1	3254-5	1	Washer-Lock, Internal
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

PROTOTYPE



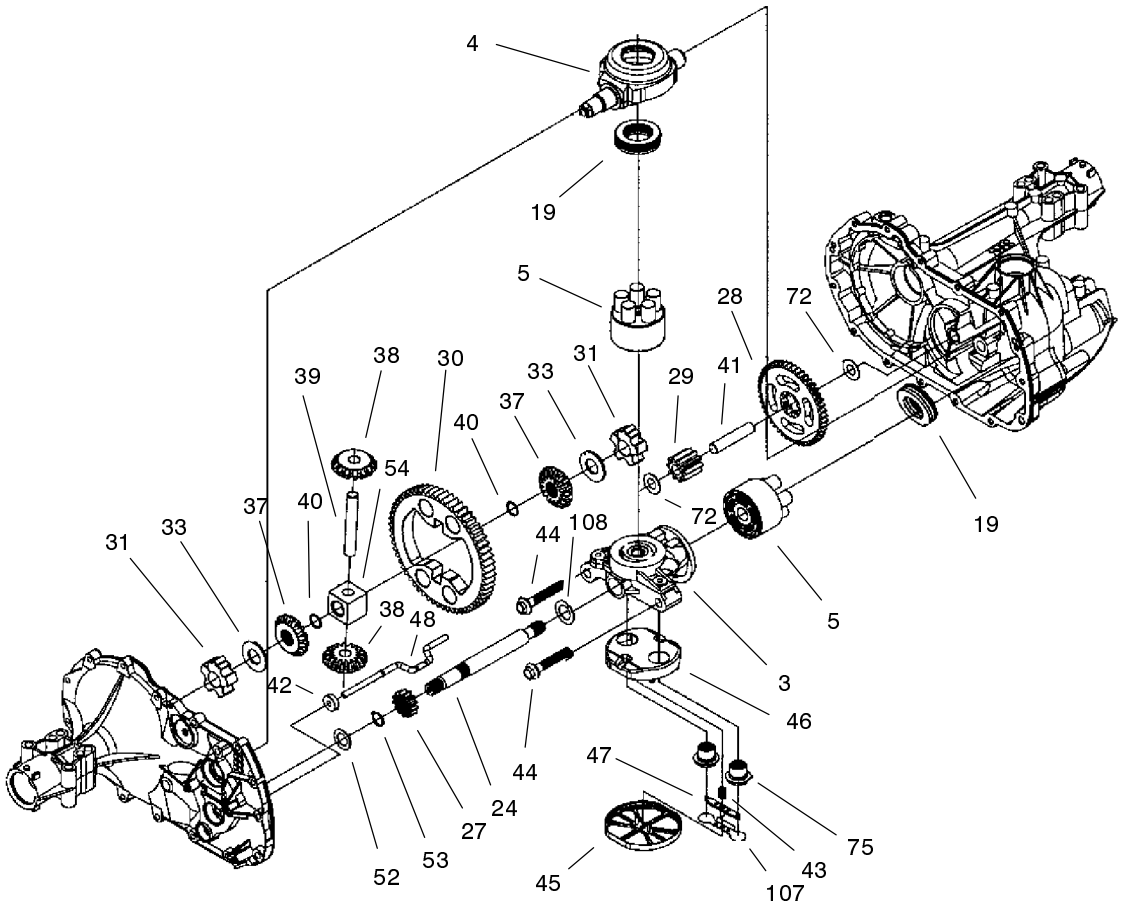
Sheet No.:3

Housing & Bearing Assembly

Ref. No.	Part No.	Qty.	Description
02	104-5302	1	Side Housing ASM
07	104-5305	14	Screw-Hex Flange
12	104-5309	1	Ring-Retaining
16	104-5312	1	Screw-Hex Flange
17	104-5313	1	Seal-Lip
18	104-5314	1	Arm-Control
32	104-5321	1	Bearing-Sleeve, Outboard
34	104-5322	1	Seal-Lip
35	104-5323	1	Shaft-Axle RH
49	104-5336	1	Arm-Bypass
50	104-5337	1	Ring-Retaining
51	104-5338	1	Seal-Lip
58	104-5343	1	Yoke-Brake
59	104-5344	1	Rotor-Brake
60	104-2171	2	Puck-Brake
61	104-2181	1	Puck-Plate
62	104-2176	2	Pin-Brake
63	104-5345	2	Screw-Hex Flange
65	104-2180	1	Spacer
66	104-2184	1	Spring-Brake Arm Bias
67	104-2174	1	Bolt-Square Head
68	104-5346	1	Arm-Brake
69	93-3807	1	Nut - Castle
70	104-2179	1	Pin-Cotter

Ref. No.	Part No.	Qty.	Description
71	104-2188	1	Spring-Brake Anti Drag Comp.
72	94-1933	1	Washer
73	104-2146	2	Washer
74	104-5347	1	Seal-Oil
93	104-5353	1	Clip-Spring
94	104-2156	1	Bearing
95	104-2155	1	Screw
96	104-2157	1	Spacer-Locating
97	104-2158	1	Screw-Countersunk
98	104-5354	1	Arm-Return
99	104-2119	1	Puck-Adjusting
100	104-5355	1	Washer
101	104-5356	1	Spring-Extension
102	104-5357	1	Spacer
103	104-5358	1	Bracket-Torque
110	104-2148	1	Screw-Torx Head
114	104-5363	1	Guide-Spring
117	104-5365	1	Pin-Spring

PROTOTYPE



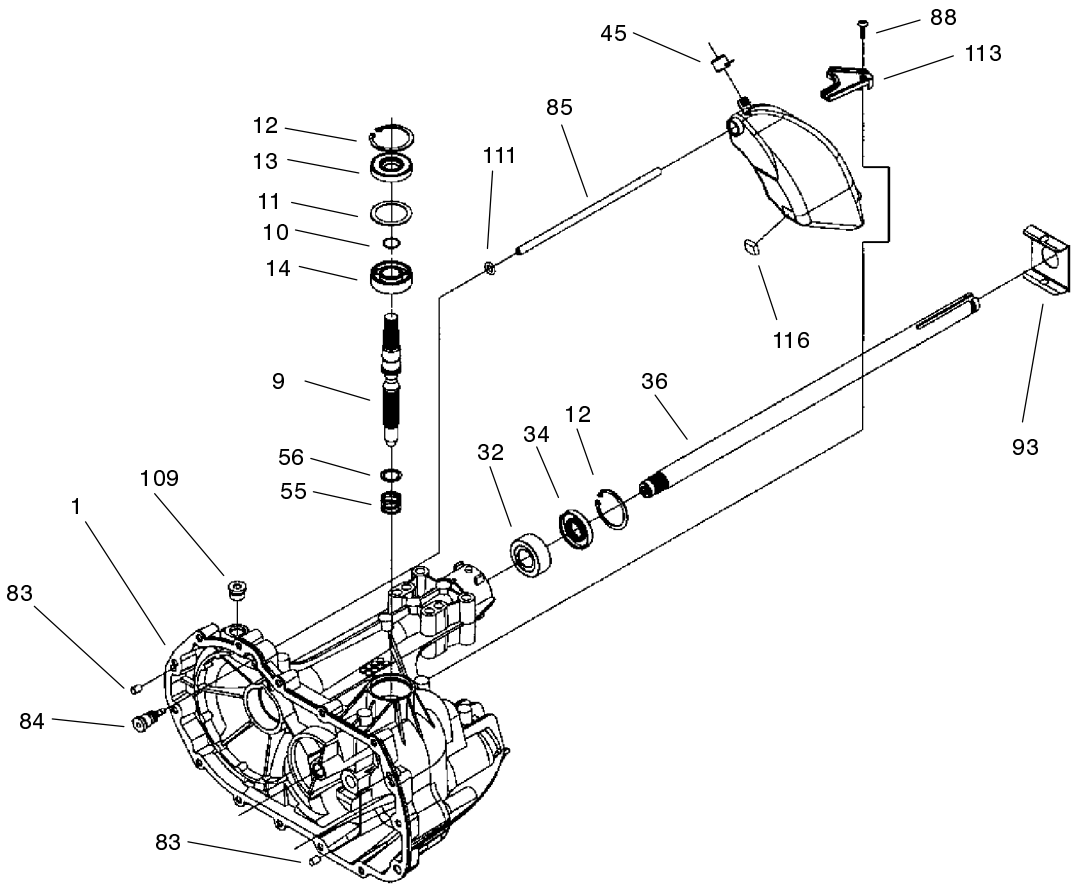
Sheet No.:4

Gear Assembly

Ref. No.	Part No.	Qty.	Description
03	104-5303	1	Center Section ASM
04	104-5304	1	Swashplate-Trunnion Machined
05	104-2106	2	10cc Cylinder Block ASM
19	94-6922	2	Bearing - Thrust
24	104-5314	1	Arm-Control
27	104-5316	1	Gear-Pinnion, 13t
28	104-5317	1	Gear- 10t/48t
29	104-5318	1	Gear-Jackshaft 10t
30	104-5319	1	Gear-Bull 60t
31	104-5320	2	Bearing-Sleeve
33	94-1943	2	Washer
37	104-5325	2	Gear-Miter
38	104-5326	2	Gear-Miter 15t
39	104-5327	1	Shaft
40	104-5328	2	Ring-Spiral Retaining
41	104-5329	1	Pin-Jackshaft
42	104-5330	1	Magnet-Ring
43	104-5331	1	Spring-Bypass
44	94-6926	2	Bolt
45	104-5332	1	Filter
46	104-5333	1	Base-Filter
47	104-5334	1	Actuator-Bypass
48	104-5335	1	Rod-Bypass Actuator
52	104-5339	1	Washer-Flat

Ref. No.	Part No.	Qty.	Description
53	104-5340	1	Ring-Retaining
54	104-5341	1	Bearing-Center Block
72	94-1933	2	Washer
75	104-5348	2	Check Plug ASM
107	104-5359	1	Deflector
108	104-5360	1	Washer-Motor Shaft

PROTOTYPE



Sheet No.:5

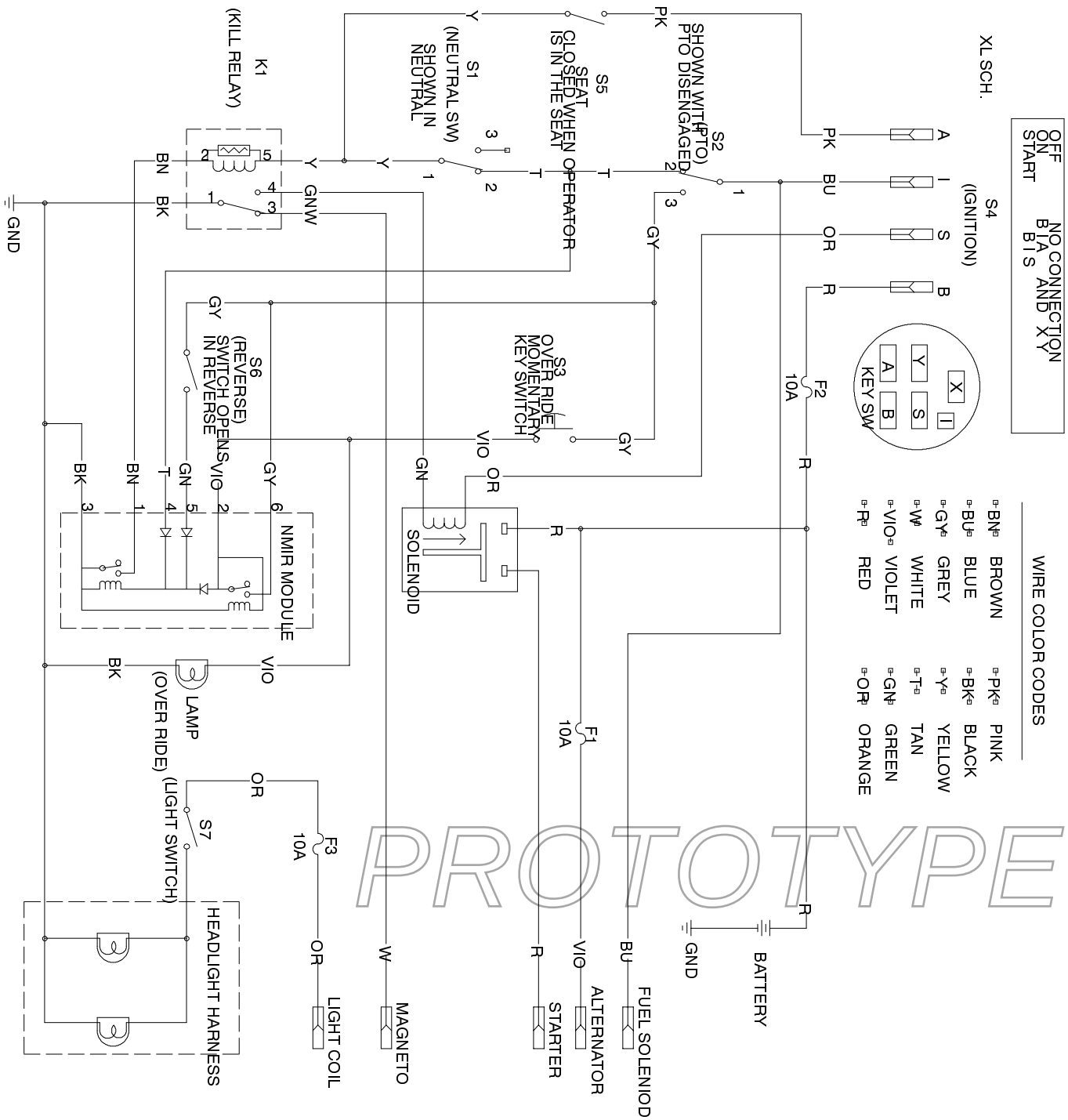
Axle Assembly

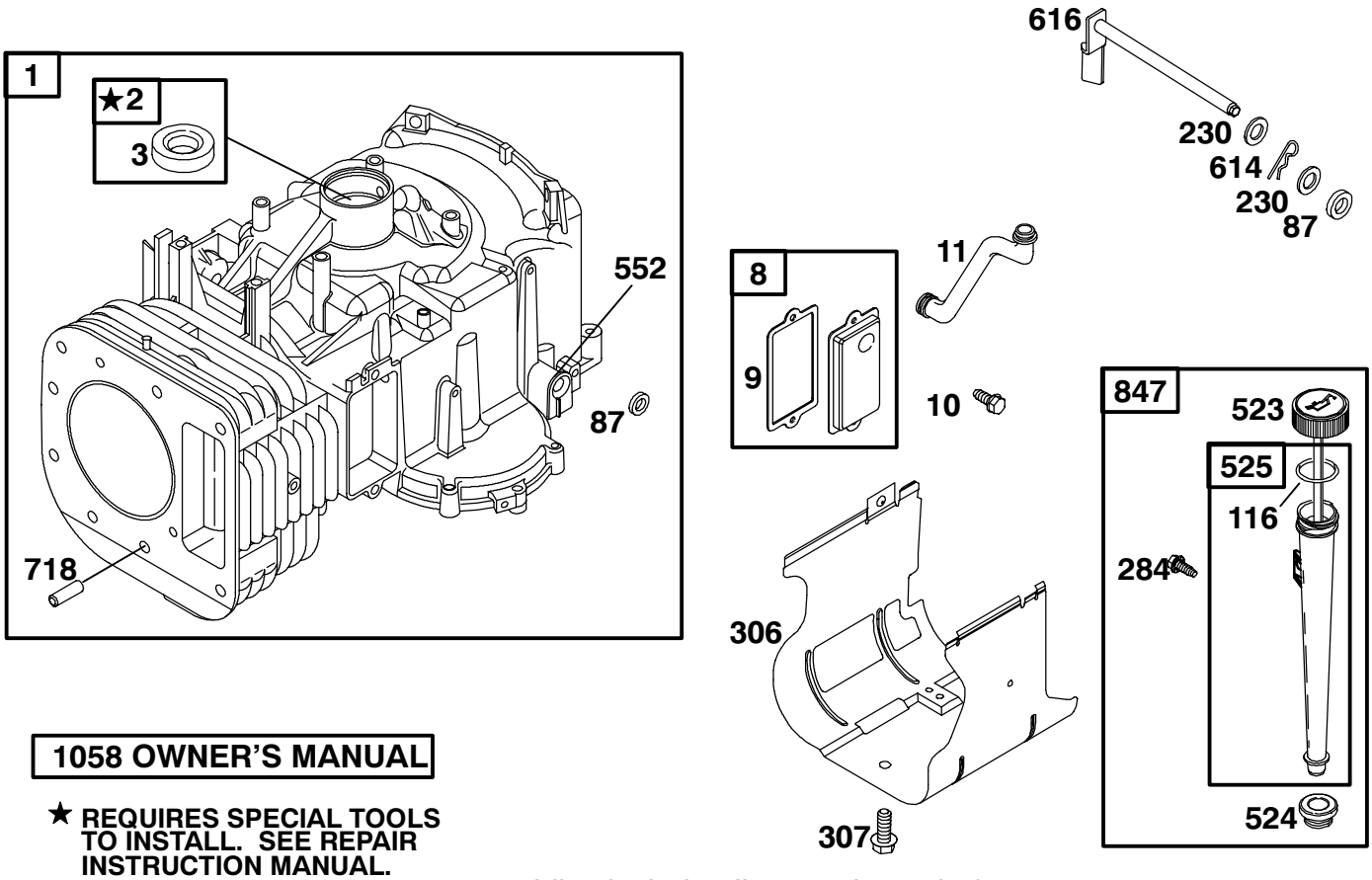
Ref. No.	Part No.	Qty.	Description
01	104-5301	1	Main Housing ASM
09	104-5306	1	Shaft-Input
10	104-5307	1	Ring-Retaining
11	104-5308	1	Spacer
12	104-5309	2	Ring-Retaining
13	104-5310	1	Seal-Lip
14	104-5311	1	Bearing-Ball
32	104-5321	1	Bearing-Sleeve, Outboard
34	104-5322	1	Seal-Lip
36	104-5324	1	Shaft-Axle LH
55	94-1936	1	Spring - Block
56	94-1937	1	Washer - Block Thrust
83	104-2170	2	Pin-STD Hols
84	104-5349	1	Fitting-Sae
85	104-5350	1	Hose-Expansion Tank
87	104-5351	1	Cap-Vent
88	104-5352	1	Bolt-Self Tapping
93	104-5353	1	Clip-Spring
111	104-5361	1	O-Ring
113	104-5362	1	Bracket-Support
116	104-5364	1	Sponge-sillicone

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Wiring Schematic





1058 OWNER'S MANUAL

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

Assemblies include all parts shown in frames.

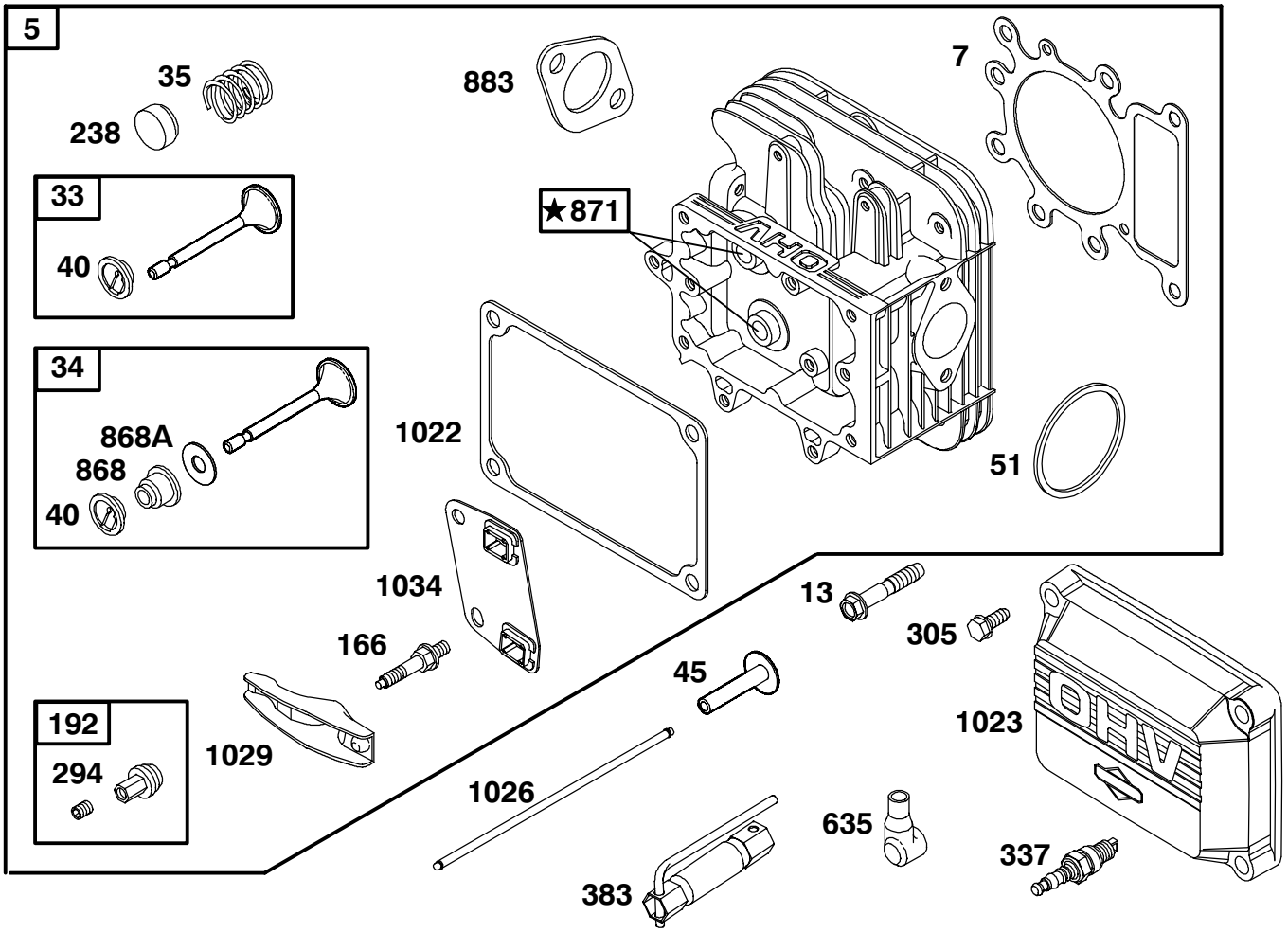
Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
1	496412	1	Cylinder Assembly
2	399265	1	Bearing-Cylinder
★3	391086	1	Seal-Oil
8	495735	1	Breather Assembly
★9	27803	1	Gasket-Valve Cover
10	94621	1	Screw-Sem
11	281246	1	Tube-Breather
★87	491323	1	Seal-Governor
★116	270920	1	Seal-Oil Fill Cap
230	94927	1	Washer-Governor Lever
284	94903	1	Screw-Hex. Head
306	225020	1	Shield-Cylinder
307	94930	1	Screw-Self Tap
523	495230	1	Cap-Oil Fill
★524	281370	1	Seal-Fill Tube
525	496113	1	Tube-Oil Fill
552	491986	1	Bushing-Gov. Crank
		1	Note: Includes Seal, Ref. No. 87
614	93306	1	Pin-Cotter
616	495157	1	Crank-Governor
718	230192	1	Pin-Dowel
847	496415	1	Fill Group-Oil
1058	273683	1	Owner's Manual

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

★ Included in Gasket Set-Part No. 495993

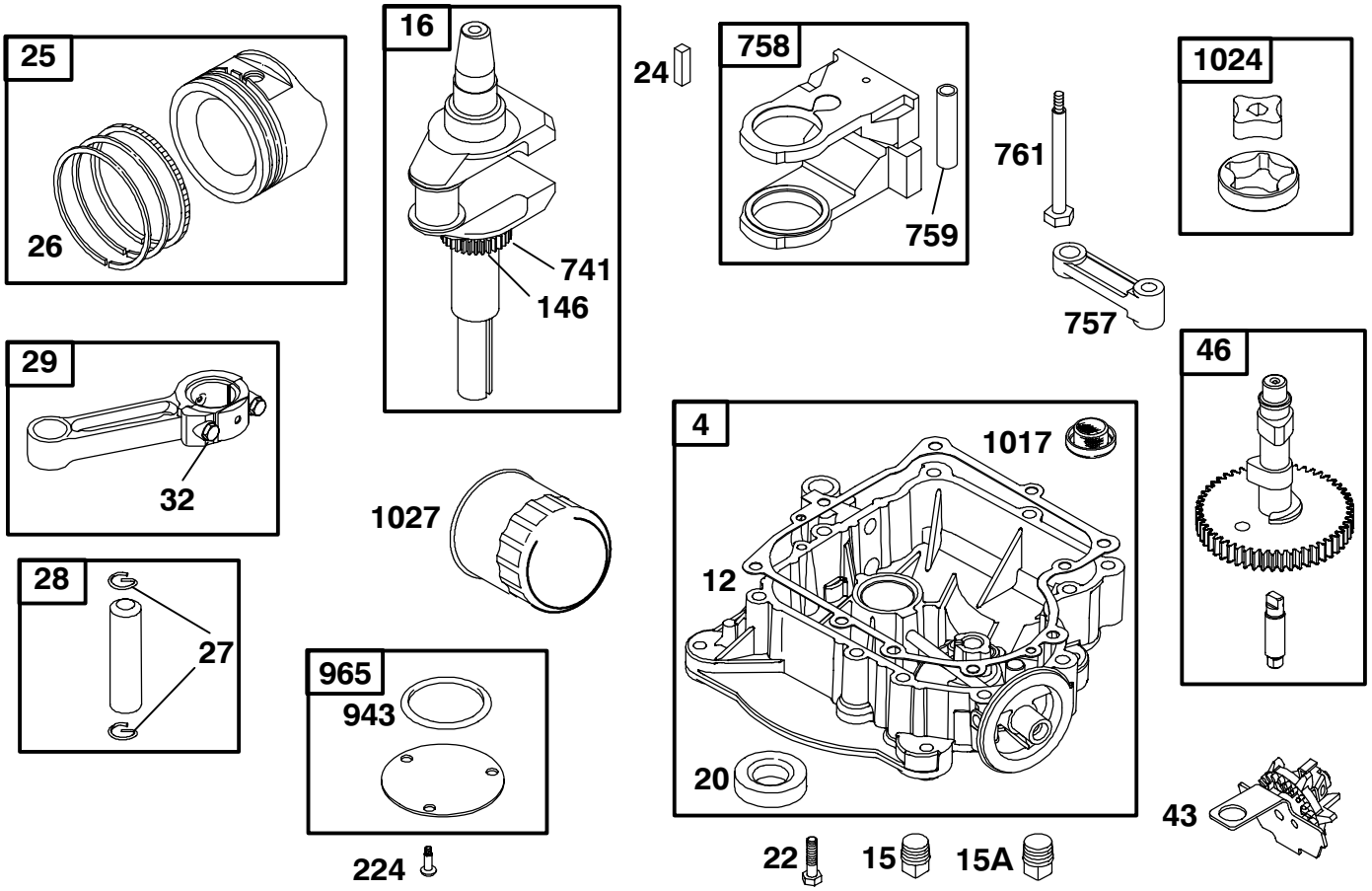


Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
5	691165	1	Head-Cylinder
●★7	273280	1	Gasket-Cylinder Head
13	94728	1	Screw-Cylinder Head
33	495856	1	Valve-Exhaust
34	495857	1	Valve-Intake
35	262811	1	Spring-Valve
40	224641	1	Retainer-Valve
45	690564	1	Tappet-Valve
51	692138	1	Gasket-Intake
166	94555	1	Stud-Rocker Arm
192	492160	1	Adjuster-Valve
238	262836	1	Cap-Valve
294	810104	1	Screw-Set
305	94682	1	Screw-Hex. Head
337	491055	1	Plug-Spark
383	89838	1	Wrench-Spark Plug
635	280872	1	Elbow-Spark Plug
●★868	499236	1	Seal-Valve
868A	272610	1	Seal-Valve
871	262835	1	Bushing-Guide (Intake and Exhaust)
●★883	272293	1	Gasket-Exhaust
●★1022	272475	1	Gasket-Rocker Cover
1023	214314	1	Cover-Rocker
1026	494432	1	Rod-Push (Intake) Note: 495136
1026	494433	1	Rod-Push (Exhaust)
1029	224554	1	Arm-Rocker
1034	495248	1	Guide-Push Rod

PROTOTYPE

★ Included in Gasket Set-Part No. 495993. ● Included in Valve Overhaul Kit-Part No. 495992.



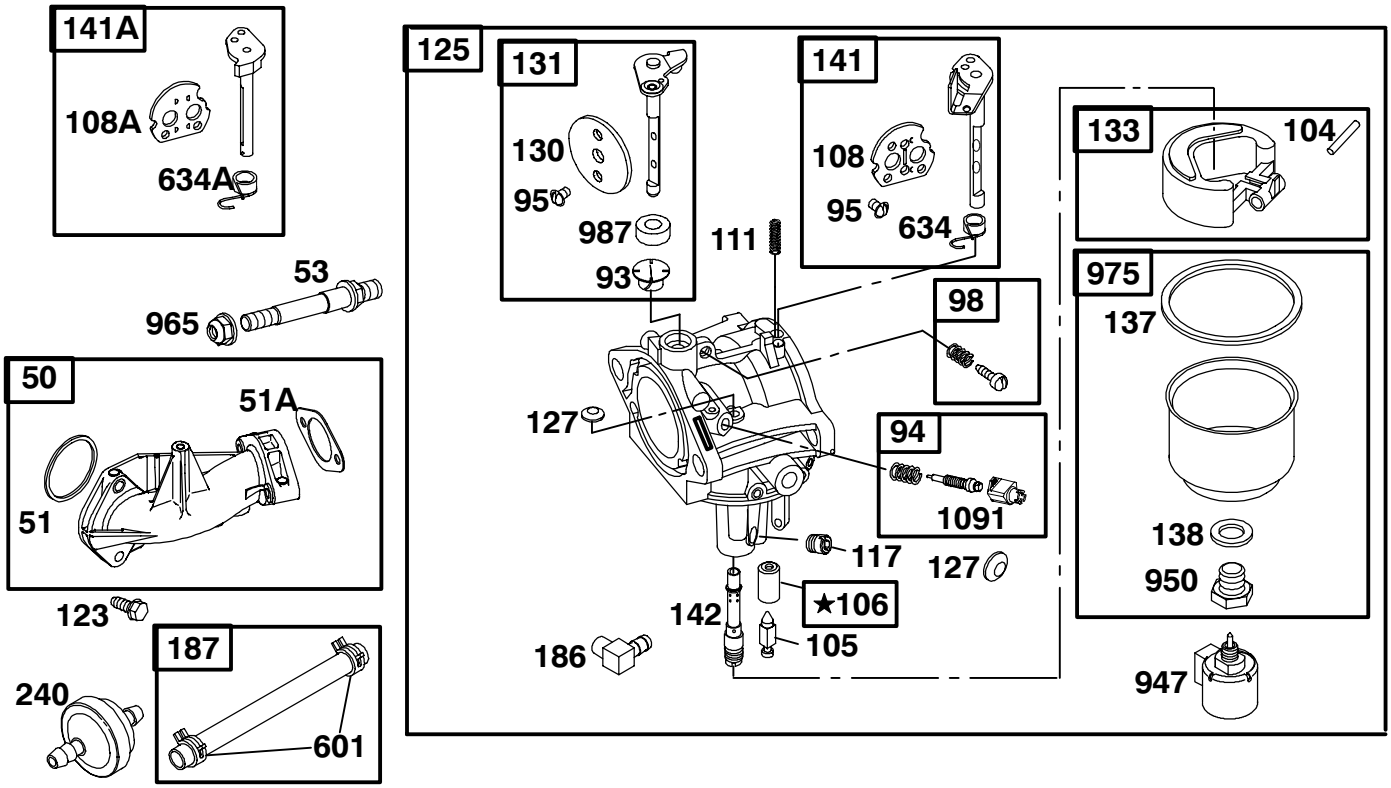
Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
4	693582	1	Base-Engine
★12	271916	1	Gasket-Crankcase (.015" Thick, Std.)
★	271997	1	Gasket-Crankcase (.005" Thick)
★	271996	1	Gasket-Crankcase (.009" Thick)
15	94239	1	Plug-Oil Drain
15A	91488	1	Plug-Oil Pressure Switch
16	690136	1	Crankshaft
★20	291675	1	Seal-Oil
22	692125	1	Screw-Sem
24	222698	1	Key-Flywheel
25	499284	1	Piston Assembly (Standard)
	499288	1	Piston Assy. (.010" O.S.)
	499292	1	Piston Assy. (.020" O.S.)
	499296	1	Piston Assy. (.030" O.S.)
26	495854	1	Ring Set (Standard)
	495852	1	Ring Set (.010" O.S.)
	495851	1	Ring Set (.020" O.S.)
	495855	1	Ring Set (.030" O.S.)

Ref. No.	Part No.	Qty.	Description
27	263129	1	Lock-Piston Pin
28	498319	1	Pin-Piston (Standard)
	498320	1	Pin-Piston (.005" O.S.)
29	692419	1	Rod-Connecting (Standard)
32	692852	1	Screw-Conn. Rod
43	490815	1	Governor/Oil Slinger
46	693450	1	Camshaft
146	94196	1	Key-Timing Gear
224	691033	1	Screw-TorxRHex.
741	262932	1	Gear-Timing
757	213998	1	Link-Counterweight
758	499994	1	Counterweight Assy.
759	230787	1	Pin-Counterweight
761	94593	1	Screw-Counterweight
943	280801	1	Seal-O-Ring
965	499613	1	Cover-Pump
1017	491722	1	Screen-Oil Pump
1024	499054	1	Pump-Oil
1027	492932	1	Filter-Oil

PROTOTYPE

★ Included in Gasket Set-Part No. 495993.



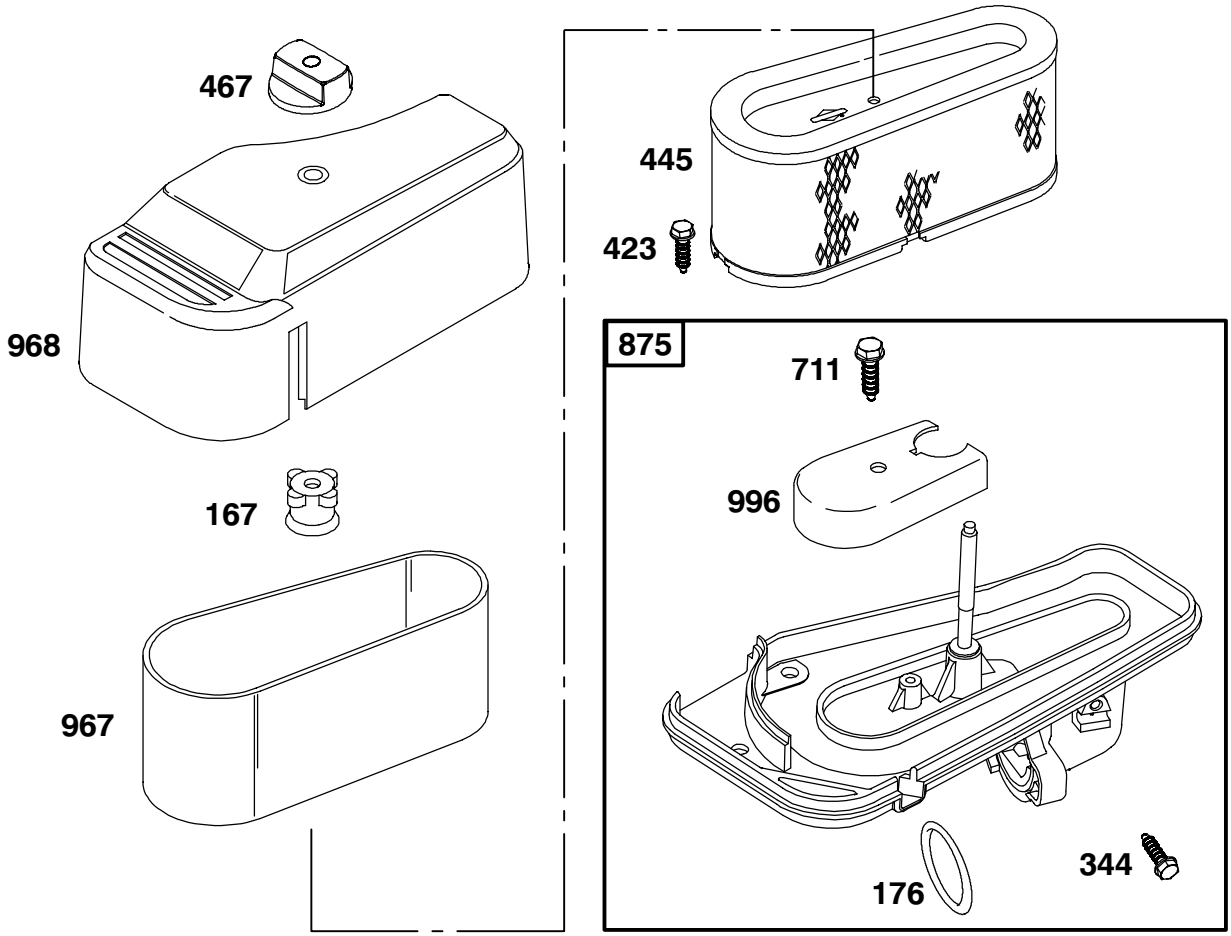
★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.** Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
50	690193	1	Manifold-Intake
51	692138	1	Gasket-Carburetor Manifold
●51A	273650	1	Gasket-Carburetor
53	690227	1	Stud-Carb. Mtg.
●93	281346	1	Bushing-Throttle Shaft
94	498030	1	Valve-Idle Adjust
●95	94098	1	Screw-Round Head
98	495800	1	Screw-Idle Adjust
●104	231789	1	Pin-Float Hinge
●105	231855	1	Valve-Inlet Needle
●106	231854	1	Seat-Inlet
108	224558	1	Valve-Choke (Manual)
108A	224540	1	Valve-Choke (Remote)
111	262715	1	Spring-Friction
●117	232118	1	Jet-Main (Standard)
	232119	1	Jet-Main (High Altitude)
123	95160	1	Screw-Elbow Mtg.
125	499153	1	Carburetor
●127		1	Plug-Welch (Sold in Kit Only)
130	224539	1	Valve-Throttle
131	494379	1	Shaft-Throttle
133	494381	1	Float-Carburetor
●◆137	281165	1	Gasket-Float Bowl
●◆138	281164	1	Washer-Float Bowl
141	495097	1	Shaft-Choke (Manual)
141A	495931	1	Shaft-Choke (Remote)
●142	232117	1	Nozzle-Carburetor
186	493496	1	Elbow-Fuel Pipe
187	298049	1	Line-Fuel (Cut to Length)
240	394358	1	Filter-Fuel
601	93053	1	Clamp-Hose
●634	494453	1	Seal-Spring Assembly
●634A	494455	1	Seal-Spring Assembly
947	497672	1	Solenoid
950	94642	1	Screw-Fuel Bowl
965	94010	1	Nut-Hex.
975	495933	1	Bowl-Float
●987	281166	1	Seal-Throttle Shaft
1091	281364	1	Cap-Limiter

PROTOTYPE

● Included in Carburetor Kit-Part No. 499116. ◆ Included in Carburetor Gasket Set-Part No. 690192.



Assemblies include all parts shown in frames.

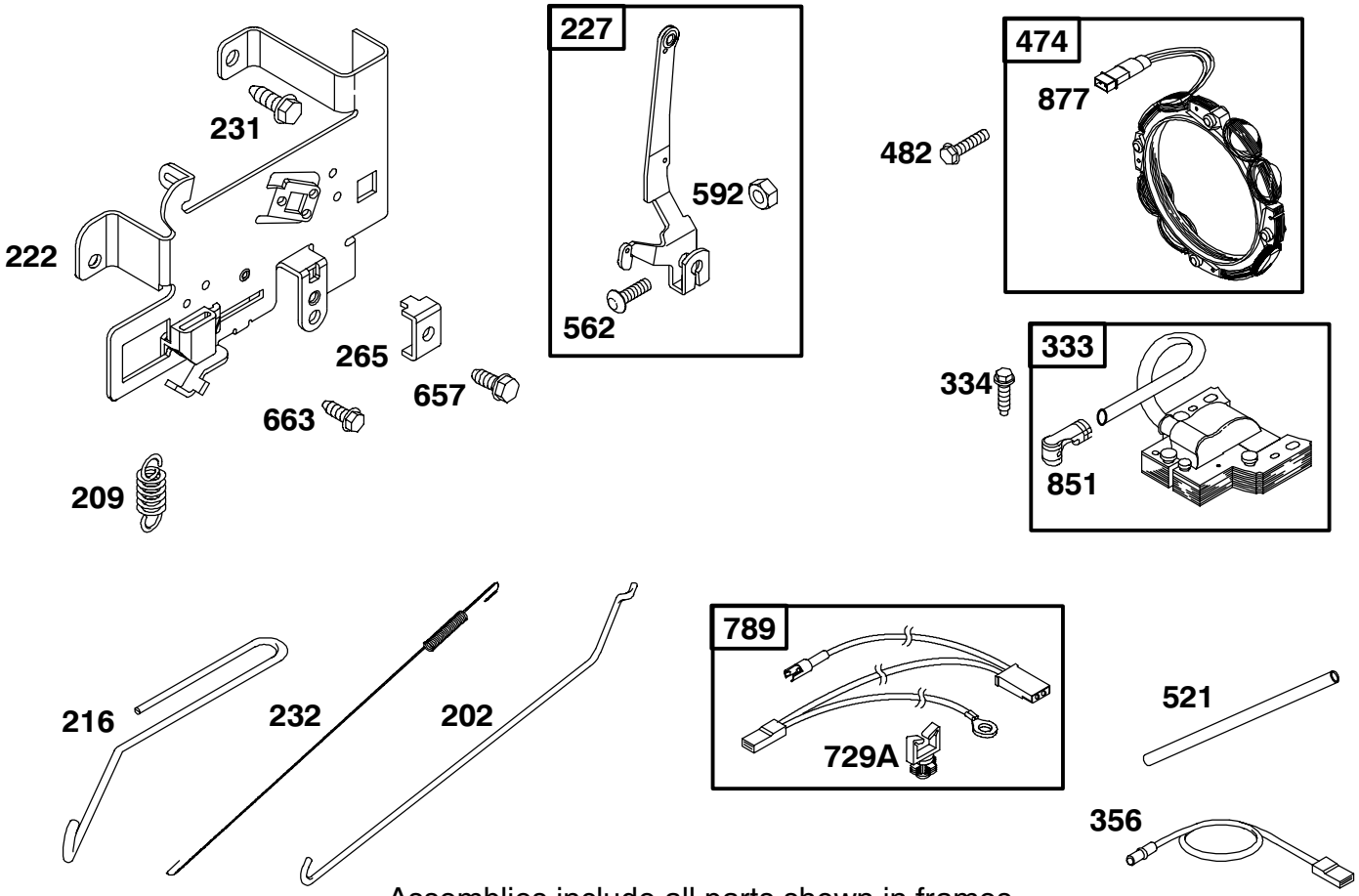
Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
167	281051	1	Seal-Air Cleaner Stud
★176	281106	1	Gasket-Air Cleaner
344	693675	1	Screw-TorxRHex.
423	692129	1	Screw-TorxRHex.
445	496894	1	Filter-Air
467	493903	1	Knob-Air Cleaner
711	94704	1	Screw-Hex. Hd.
875	693686	1	Body-Air Cleaner
967	272403	1	Filter-Air
968	281365	1	Cover-Air Cleaner
996	690678	1	Shield-Carburetor

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

★ Included in Gasket Set-Part No. 495993.



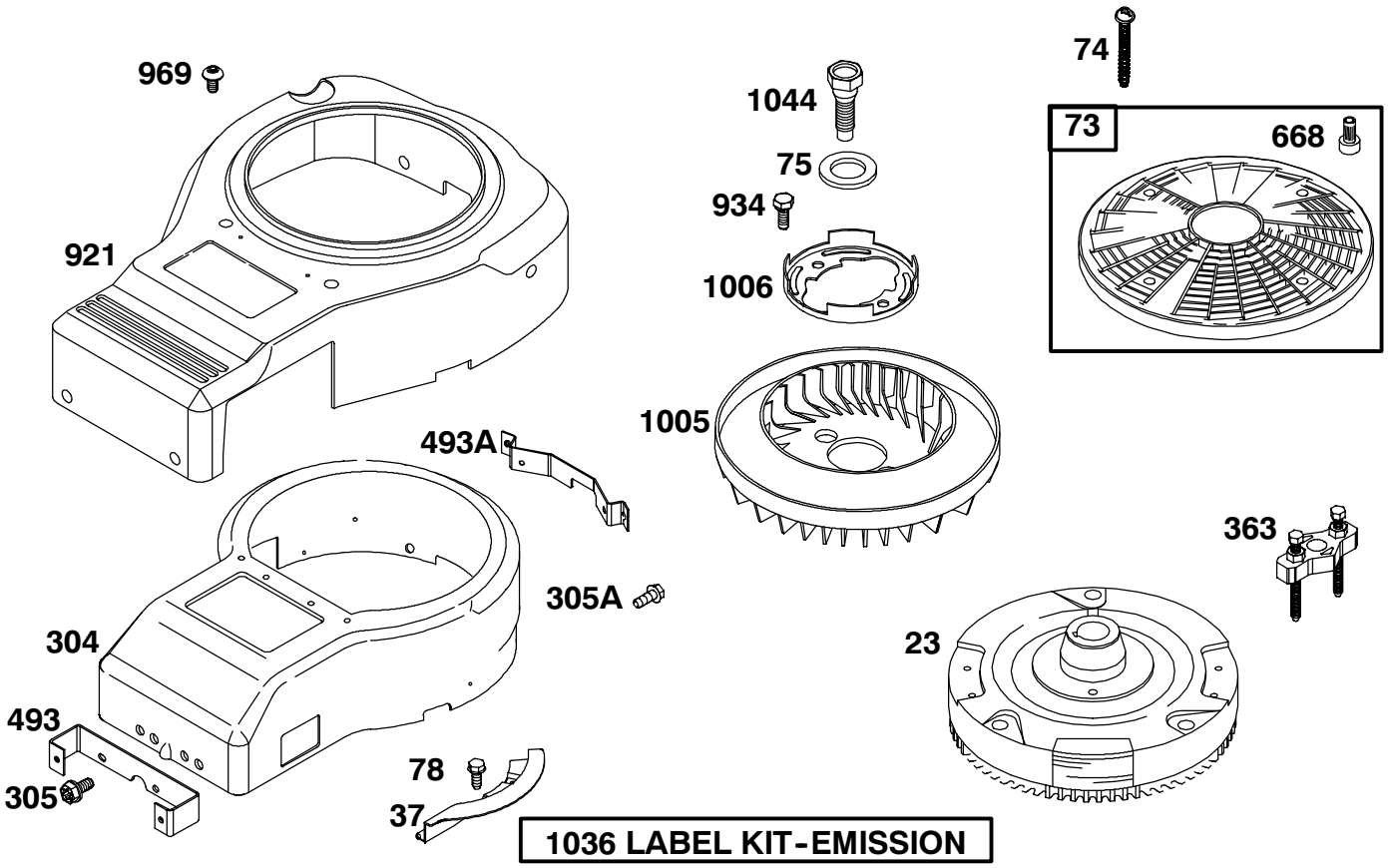
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
202	262767	1	Link-Governor
209	692208	1	Spring-Governor
216	262766	1	Link-Choke
222	495611	1	Plate-Gov. Control
227	493935	1	Lever Assy.-Governor
231	94929	1	Screw
232	262785	1	Spring-Governor Link
265	221535	1	Clamp-Casing
333	495859	1	Armature-Magneto
334	94731	1	Screw-Sem
356	494705	1	Wire-Ground
474	393474	1	Alternator
482	93621	1	Screw-Sem
521	272699	1	Shield-Cable
562	94907	1	Bolt-Governor Lever
592	231978	1	Nut-Hex.
657	94906	1	Screw-Sem
663	94929	1	Screw-Hex. Hd.
729A	281390	1	Clip-Lead Wire
789	692037	1	Harness-Wiring
851	224110	1	Terminal-Ignition Cable
877	393456	1	Wire-Alternator

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



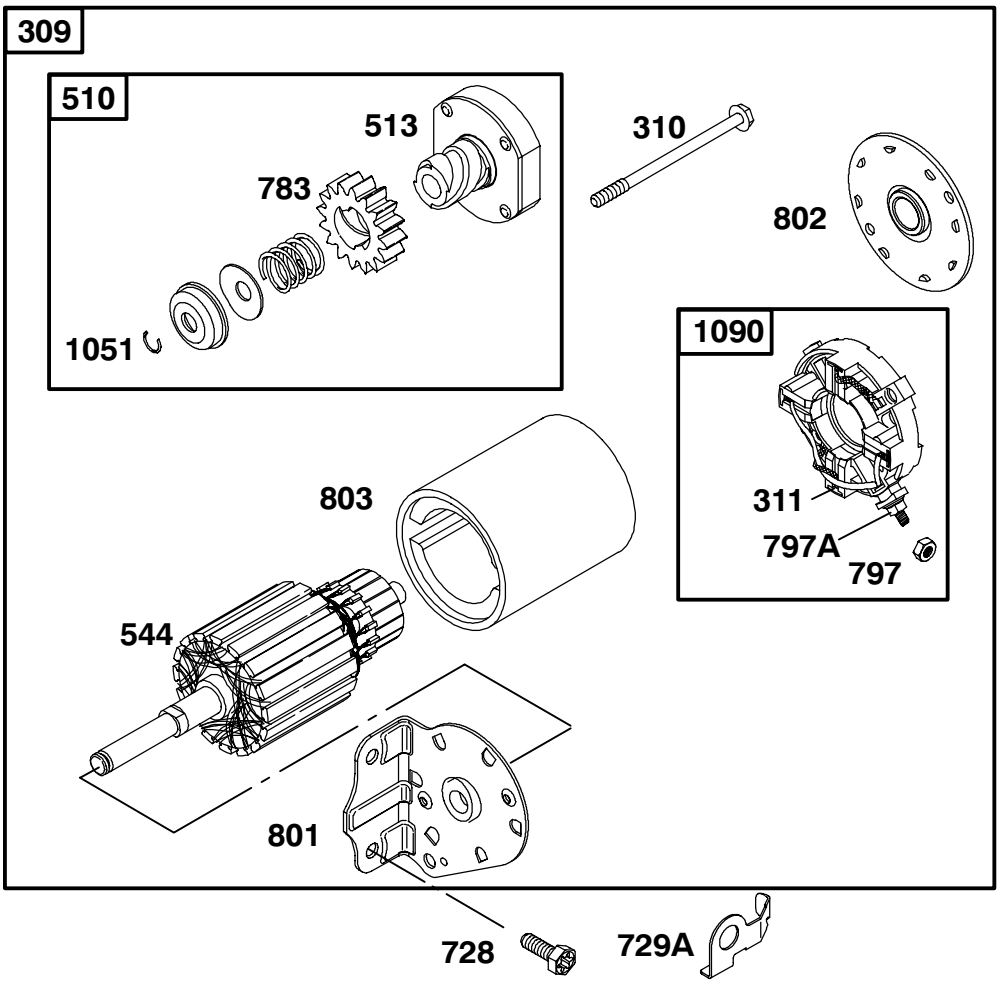
Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
23	693557	1	Flywheel
37	224502	1	Guard-Flywheel
73	494439	1	Screen-Rotating
74	94821	1	Screw-Sem
75	224061	1	Washer
78	94896	1	Screw-Hex. Head
304	225017	1	Housing-Blower
305	690960	1	Screw-Hex. Head
305A	692127	1	Screw-TorxRHex.
363	19203	1	Puller-Flywheel
493	224968	1	Bracket-Mounting
493A	224969	1	Bracket-Mounting
668	280848	1	Spacer
921	225016	1	Cover-Blower Housing
934	94627	1	Screw-Sem
969	94822	1	Screw-TorxR
1005	281400	1	Fan-Flywheel
1006	224413	1	Retainer-Fan
1036	499364	1	Label Kit-Emission
1044	94673		Screw
		1	(Flywheel)

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

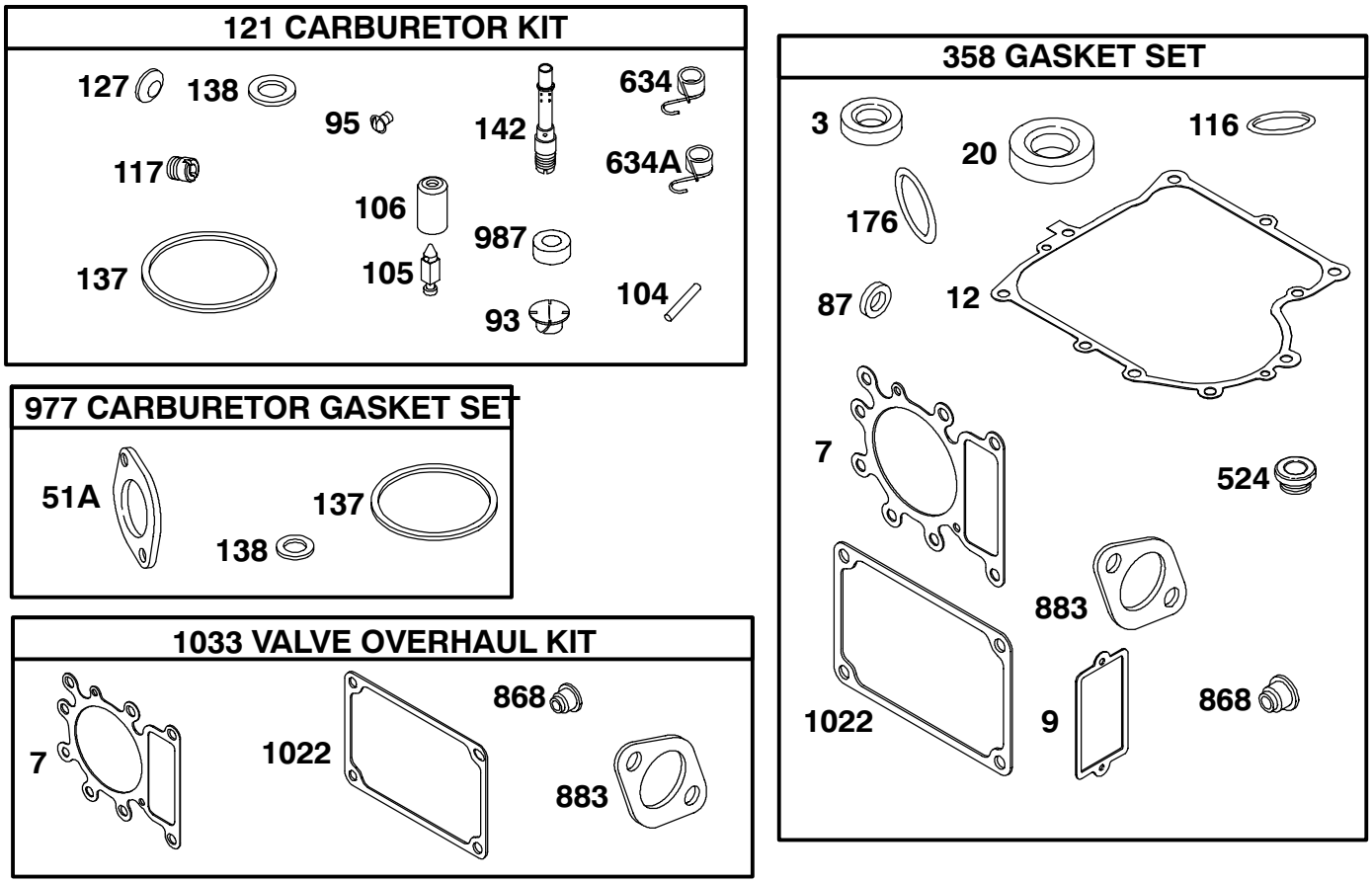


Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
309	693551	1	Motor-Starter
310	94003		Screw
		1	(Starter Motor)
311	497608	1	Brush Set
510	693699	1	Drive-Starter
513	398003	1	Clutch-Drive
544	497603	1	Armature-Starter
728	94951		Screw
		1	(Starter Motor Mounting)
729A	225170	1	Clip-Wire
783	693713		Starter-Pinion (Steel)
1797	92278		Nut
		1	(Starter Terminal)
797A	693167		Nut
		1	(Starter Terminal)
801	497626	1	Cap-Drive
802	497607	1	Cap-End
803	693757	1	Housing-Starter
1051	263080	1	Ring-Retainer
1090	497605	1	Retainer-Brush

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
★3	391086	1	Seal-Oil
●★7	273280	1	Gasket-Cylinder Head
★9	27803	1	Gasket-Valve Cover
★12	271916	1	Gasket-Crankcase (.015” Thick)
★	271997	1	Gasket-Crankcase (.005” Thick)
★	271996	1	Gasket-Crankcase (.009” Thick)
★20	291675	1	Seal-Oil
●51A	273650	1	Gasket-Carburetor
★87	491323	1	Seal-Governor
●93	281346	1	Bushing-Throttle Shaft
●95	94098	1	Screw-Throttle
●104	231789	1	Pin-Float Hinge
●105	231855	1	Valve-Inlet Needle
●106	231854	1	Seat-Inlet
★116	270920	1	Seal-O-Ring
●117	232118	1	Jet-Main
121	499233	1	Carburetor Kit
●127		1	Plug-Welch (Sold in Kit Only).
●◆137	281165	1	Gasket-Float Bowl
●◆138	281164	1	Washer-Float Bowl
●142	232117	1	Nozzle-Carburetor
★176	281106	1	Gasket-Air Cleaner

Ref. No.	Part No.	Qty.	Description
358	495993	1	Gasket Set
★524	281370	1	Seal-Fill Tube
●634	494453	1	Seal-Spring Assembly
●634A	494455	1	Seal-Spring Assembly
●★868	494435	1	Seal-Valve
●★883	272293	1	Gasket-Exhaust
977	690192	1	Carburetor Gasket Set
●987	281166	1	Seal-Throttle Shaft
●★1022	272475	1	Gasket-Rocker Cover
1033	495992	1	Kit-Valve Overhaul

PROTOTYPE

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

Maintenance Record

Date								

PROTOTYPE

Maintenance Record

Date								

PROTOTYPE

Maintenance Record

Date								

PROTOTYPE



PROTOTYPE