



16-38HXL, 16-38HXLE Lawn Tractor

Model No. 71227-210000001 and Up

Model No. 71242-210000001 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 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

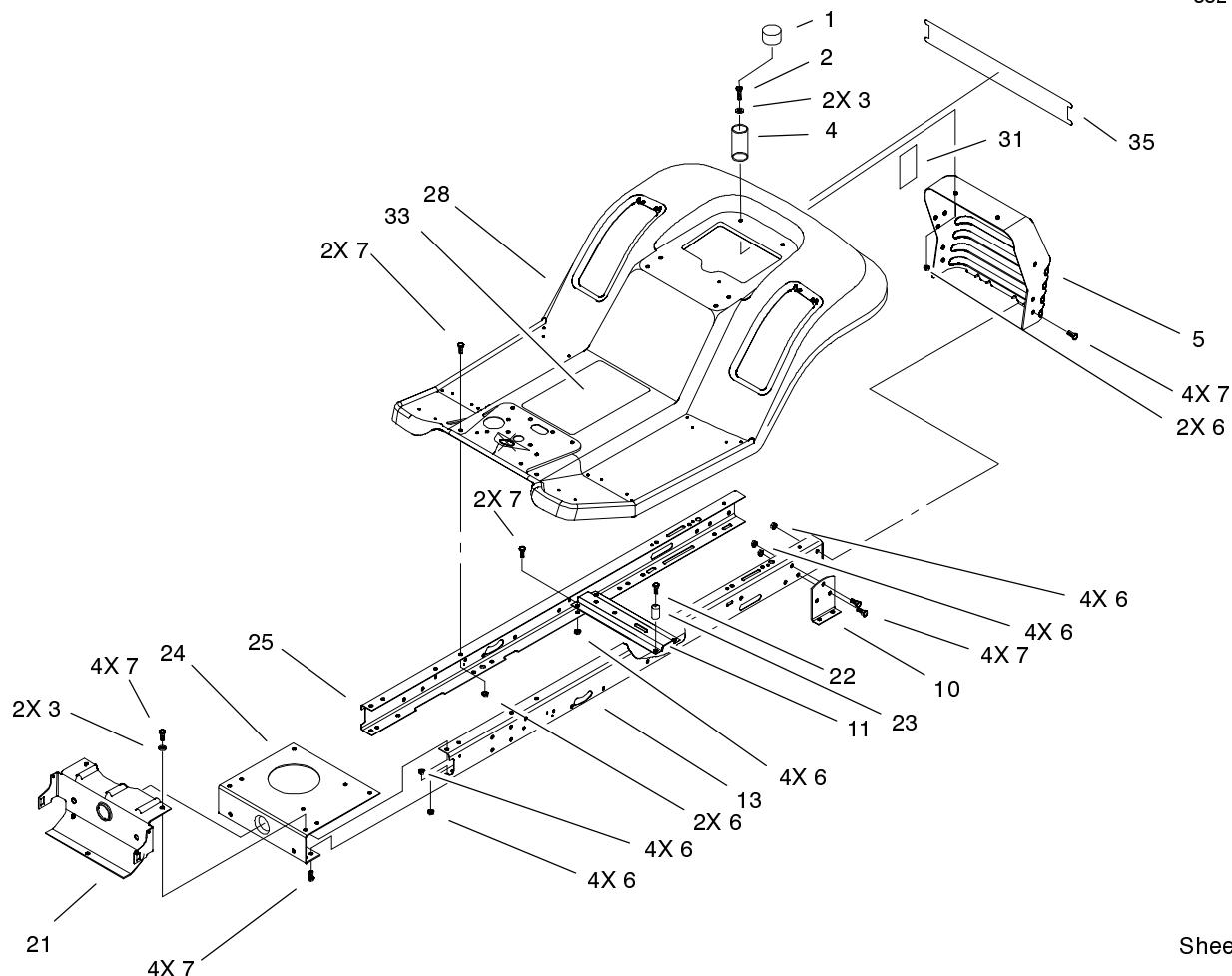
Description	Model / Part No.
Headlight Kit (Std. both models) ..	Model No. 79180
42" (106.7cm) Snowblade Kit ..	Model No. 79150
Wheel Weight Kit	Model No. 59159
Anti Scalp Kit (Std. model 71242)	
(Optional model 71227)	Model No. 79182

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

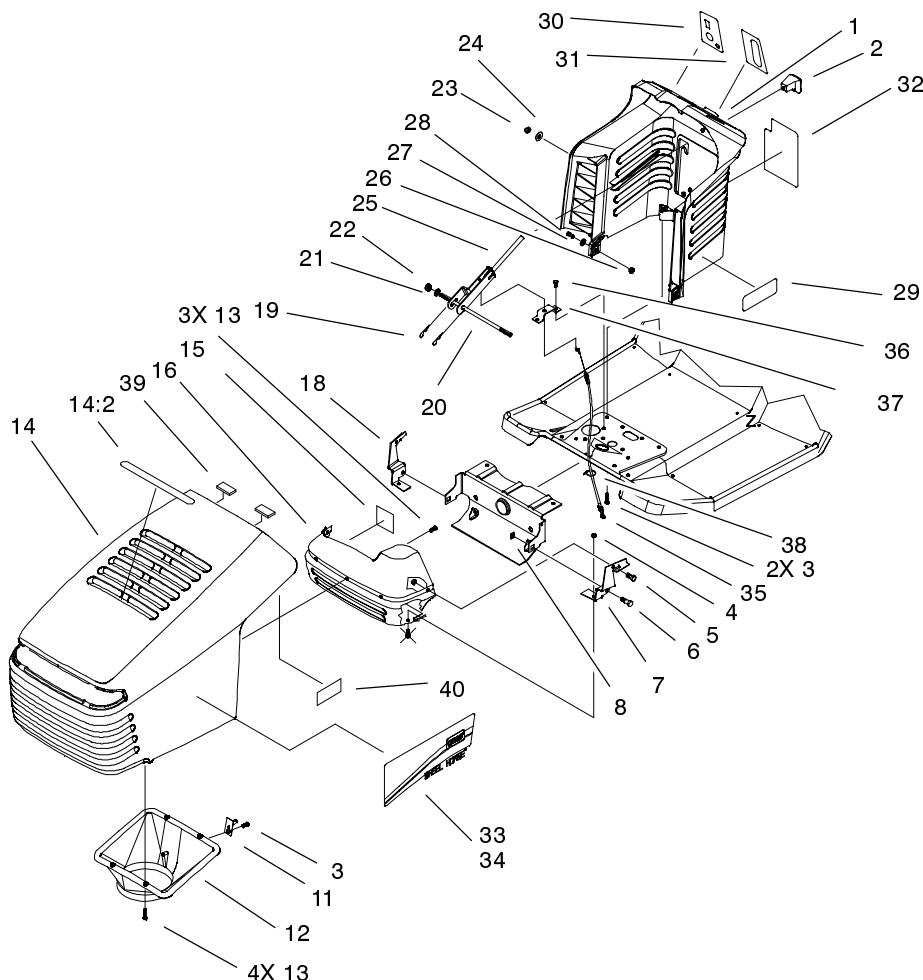
Abbreviation	Meaning
HYD	hydraulic
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head



Sheet No.:2

Frame & Body Assembly

Ref. No.	Part No.	Qty.	Description	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				

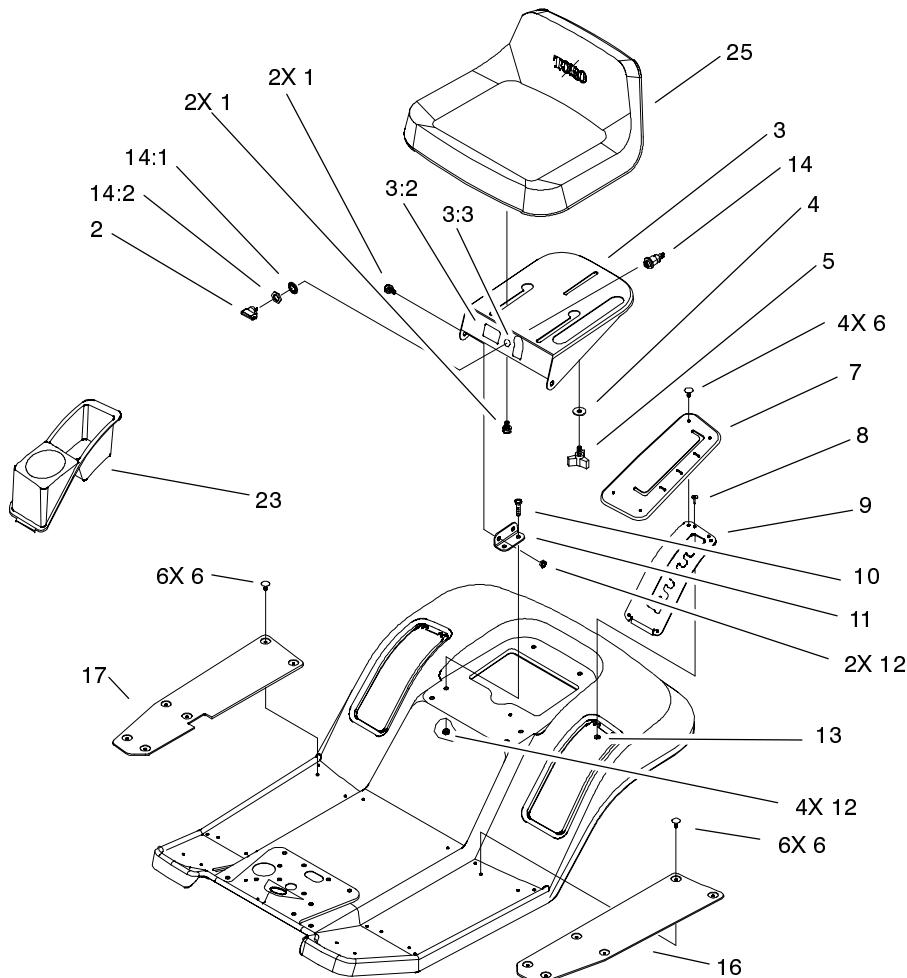


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Hood & Tower Assembly

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

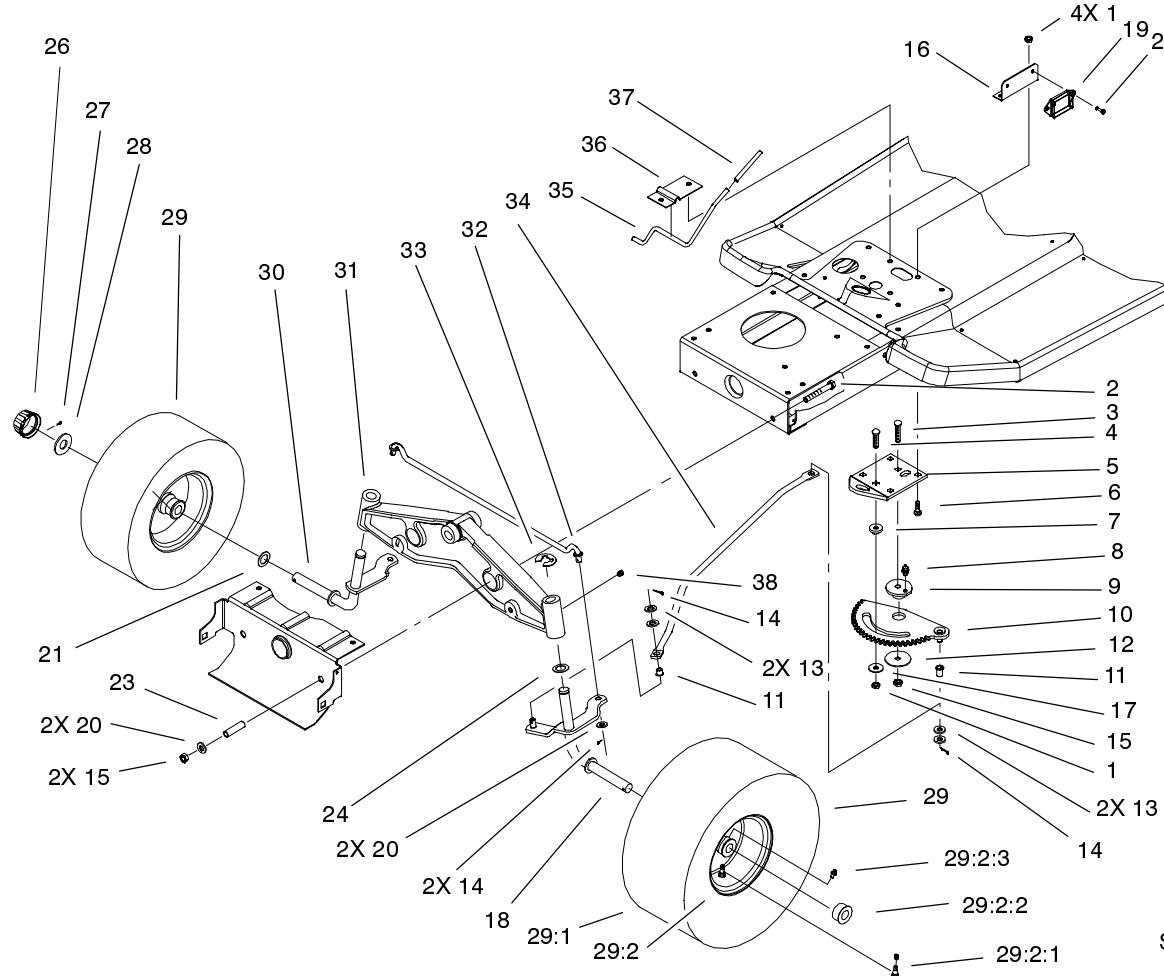
Ref. No.	Part No.	Qty.	Description
29	100-6248	2	Decal-1638 Hxl
30	99-8139	1	Decal-Ignition/Lights (only on: 71227)
30	99-8141	1	Decal-Ignition/Lights (only on: 71242)
31	92-5730	1	Decal - Throttle (only on: 71242)
31	92-2461	1	Decal - Throttle (only on: 71227)
32	93-6673	1	Decal - Deck Engage (only 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)



Sheet No.:4

Rear Body & Seat Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	37-8770	4	Bolt-Shoulder	13	3269-26	2	Washer-Flat
2	63-8360	1	Key-Ignition	14	46-5780	1	Switch-Starter
3	99-5831	1	Support ASM-Seat (only on: 71242)	14:1	3254-5	1	Washer-Lock, Internal
3	99-5830	1	Support ASM-Seat (only on: 71227)	14:2	218-461	1	Nut-HH
3:2	99-2986	1	Decal-Danger (only on: 71242)	16	88-5240	1	Mat-LH Foot
3:2	99-2985	1	Decal-Danger (only on: 71227)	17	88-5230	1	RH Foot Mat Hydro
3:3	99-5339	1	Decal (only on: 71227)	23	88-4990	1	Tray - Fender
3:3	99-5340	1	Decal-Switch (only on: 71242)	25	88-3950	1	Seat - Medium Back
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				



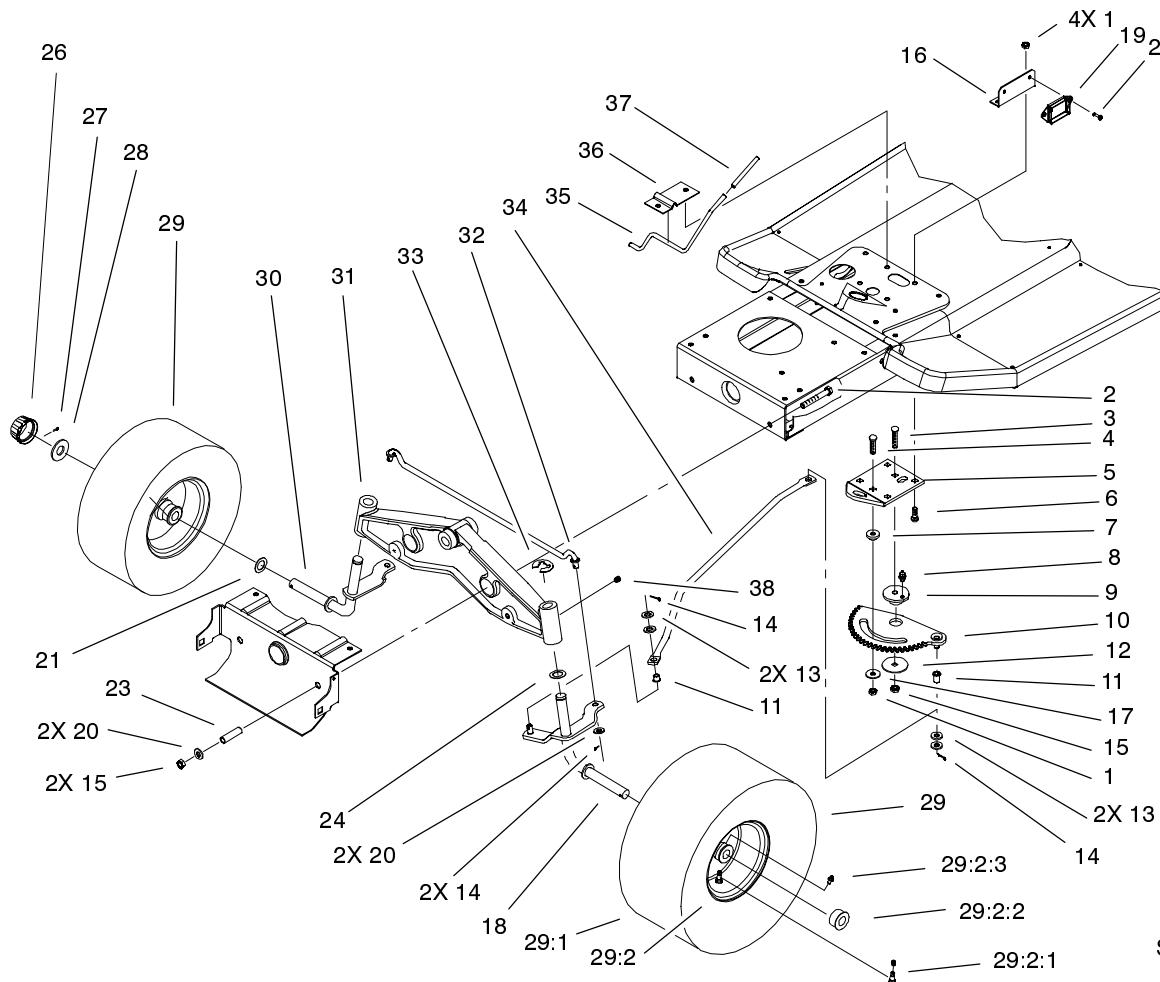
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Steering Assembly

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

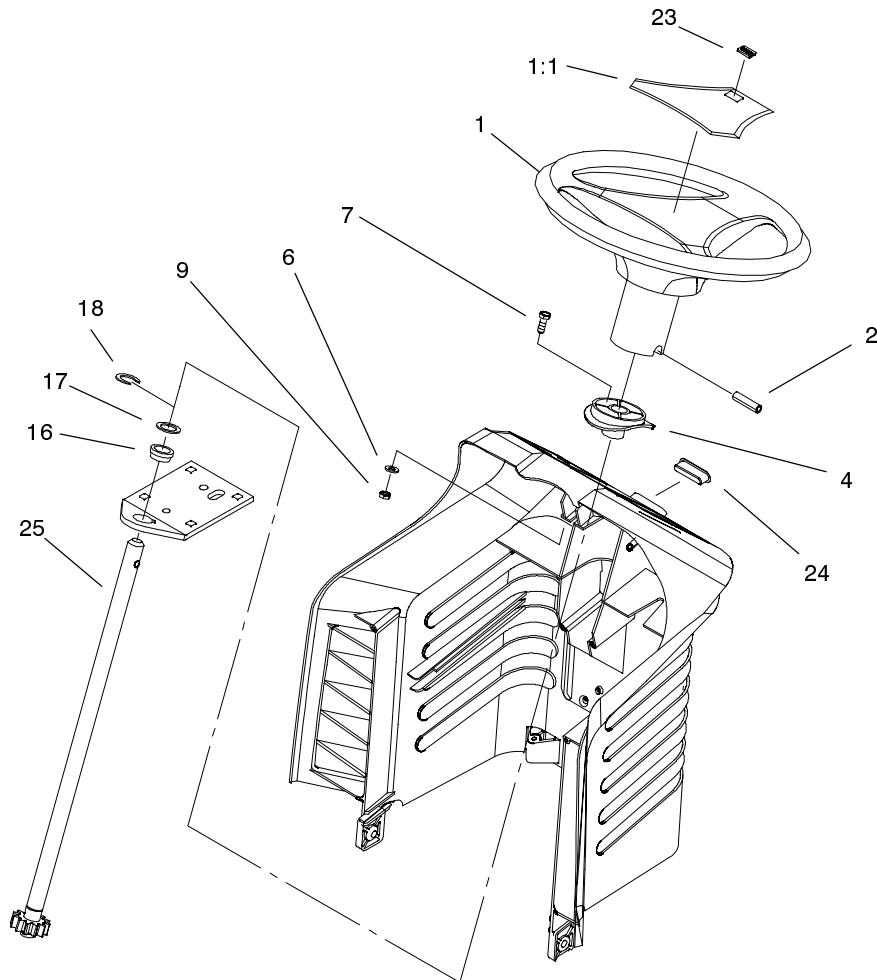
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Steering Assembly (cont.)

Ref. No.	Part No.	Qty.	Description	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				

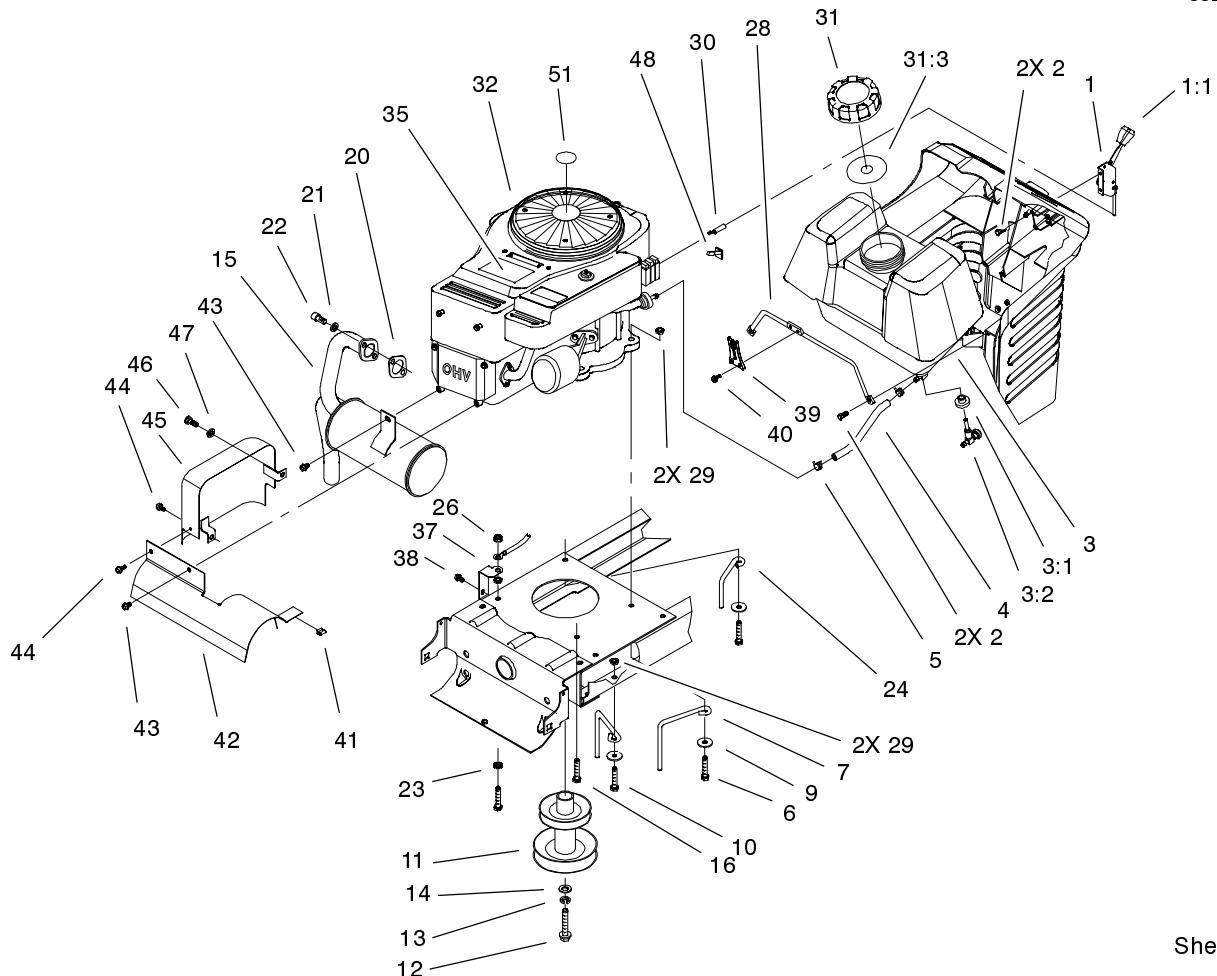


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Fixed Steering Assembly

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

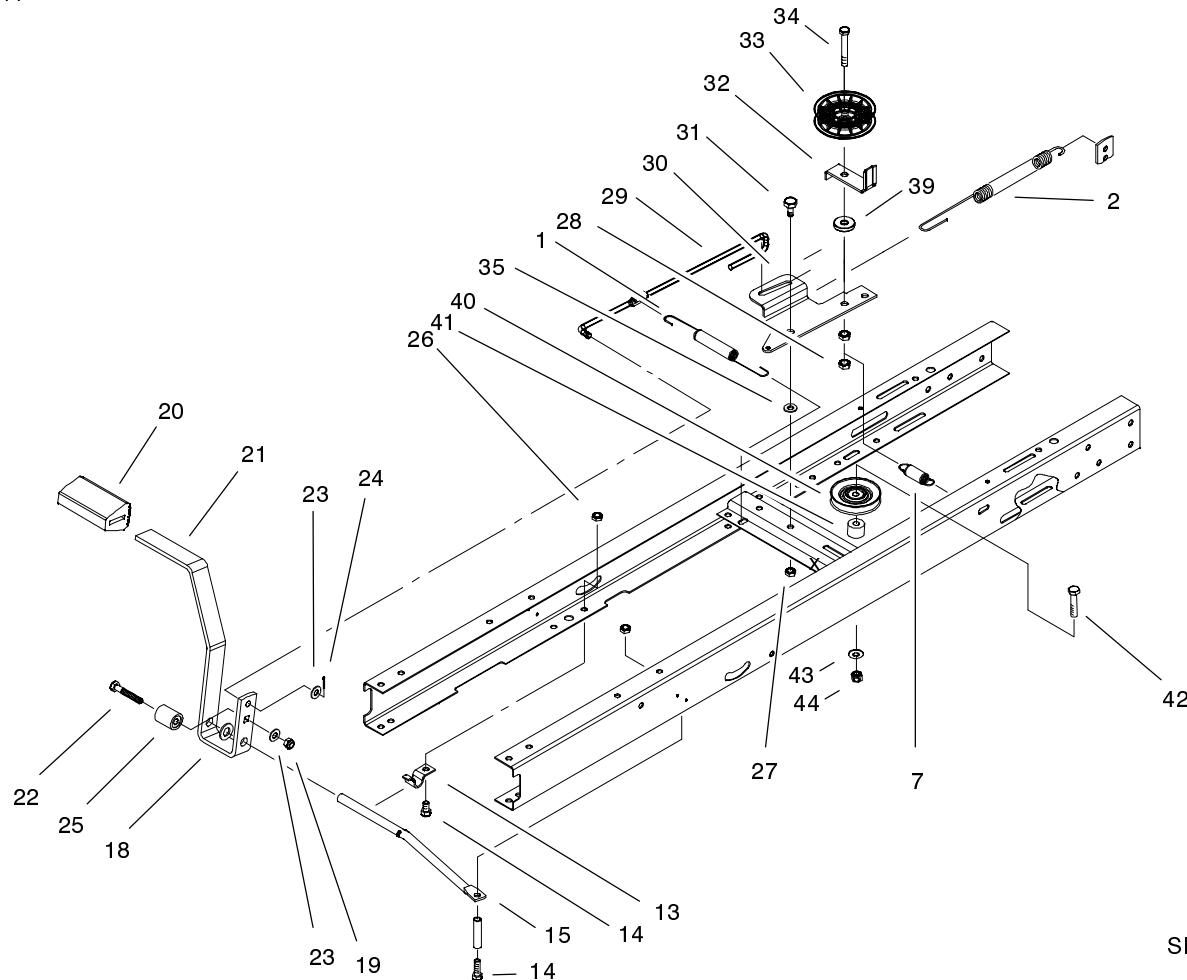


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OHV Engine System Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	88-4340	1	Control-Throttle	30	88-4350	1	Cable-Throttle
1:1	66-0120	1	Knob	31	88-3980	1	Gas Cap ASM
2	27-0220	4	Screw-Special	31:3	88-4010	1	Gasket-Cap, Gas
3	88-3880	1	Gas Tank ASM	★32		1	Engine-15.5 HP Intec
3:1	104047	1	Bushing				Briggs & Stratton
3:2	104048	1	Valve-Fuel				Model
4	47-2963	1	Hose-Gas	35	100-6249	1	28q777-0690-E1
5	2412-98	2	Clamp	37	93-3809	1	Decal - Engine
6	322-9	3	Screw-HH	38	9266714	1	Bracket- Ground
7	93-3854	3	Guide - Belt Engine	39	94-1951	1	Screw-HWH
9	5-4460	4	Washer-Pivot	40	32144-112	2	Latch - Hood
10	322-5	2	Screw-HH				Screw-Hex Washer
11	94-1963	1	Pulley-Engine ASM				Hd Thr'd Form
12	62-3760	1	Screw-HH	41	93-3882	1	Clip - Tinnerman, U
13	3253-22	1	Washer-Lock	42	93-3880-03	1	Shield-Muffler
14	3256-25	1	Washer-Flat	43	9266714	2	Screw-HWH
15	94-1953	1	Muffler - Exhaust	44	32104-76	2	Screw
16	9267154	1	Screw	45	93-8450-03	1	Wa - Exhaust Shield
20	88-4410	1	Gasket-Muffler	46	322-3	1	Screw-HH
21	3253-4	2	Washer-Lock	47	3253-4	1	Washer-Lock
22	3274-10	2	Screw-HSH	48	88-4490	1	Reducer-Throttle Rpm
23	3255-8	1	Washer-Lock/Ext				(only on: 71242)
24	93-3855	1	Guide - Belt RH	51	99-6842	1	Decal-Logo
26	32149-1	2	Nut				
28	94-1952	1	Rod - Gas Tank				
29	3296-29	4	Nut-Lock				

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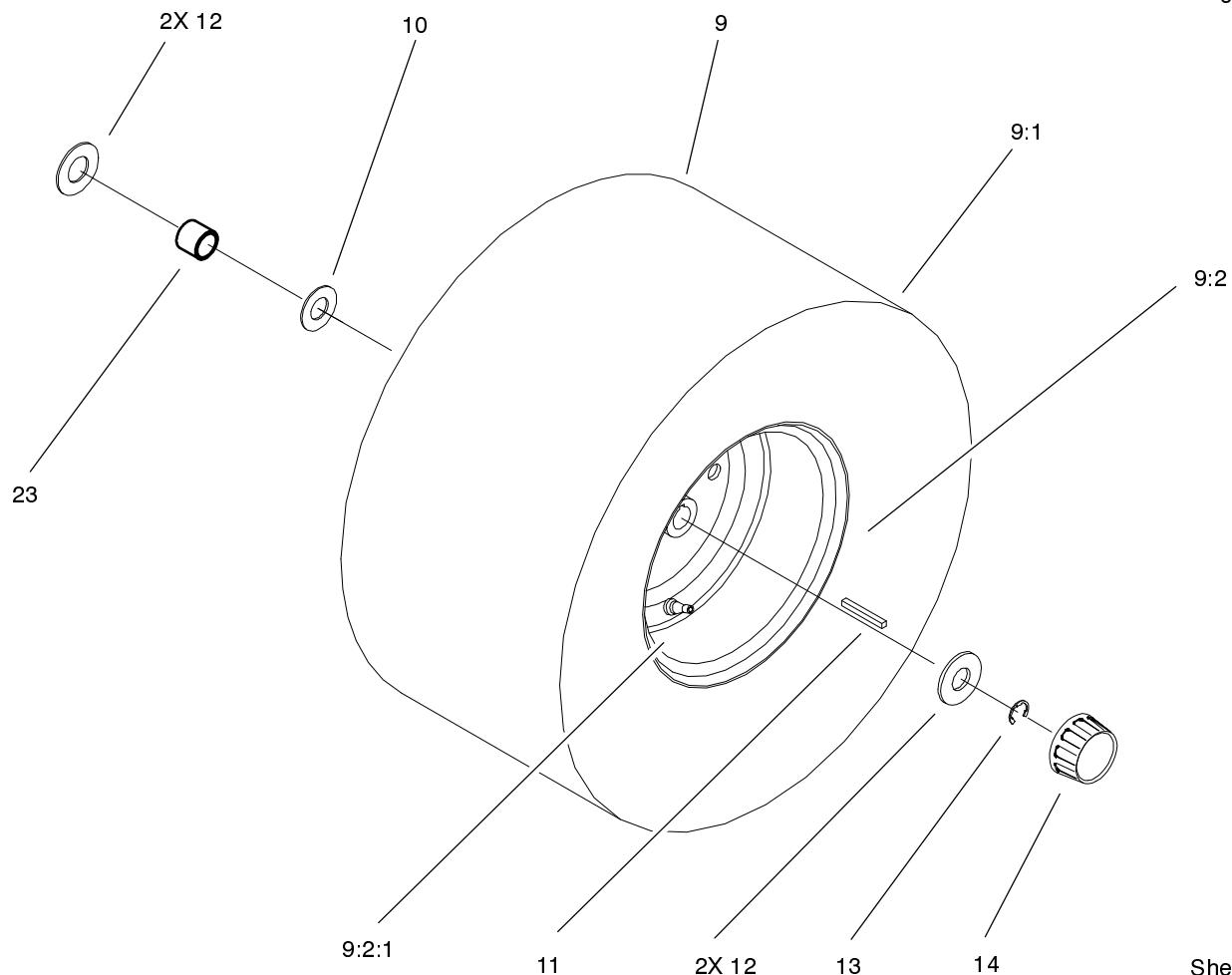


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Traction Clutching Assembly

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



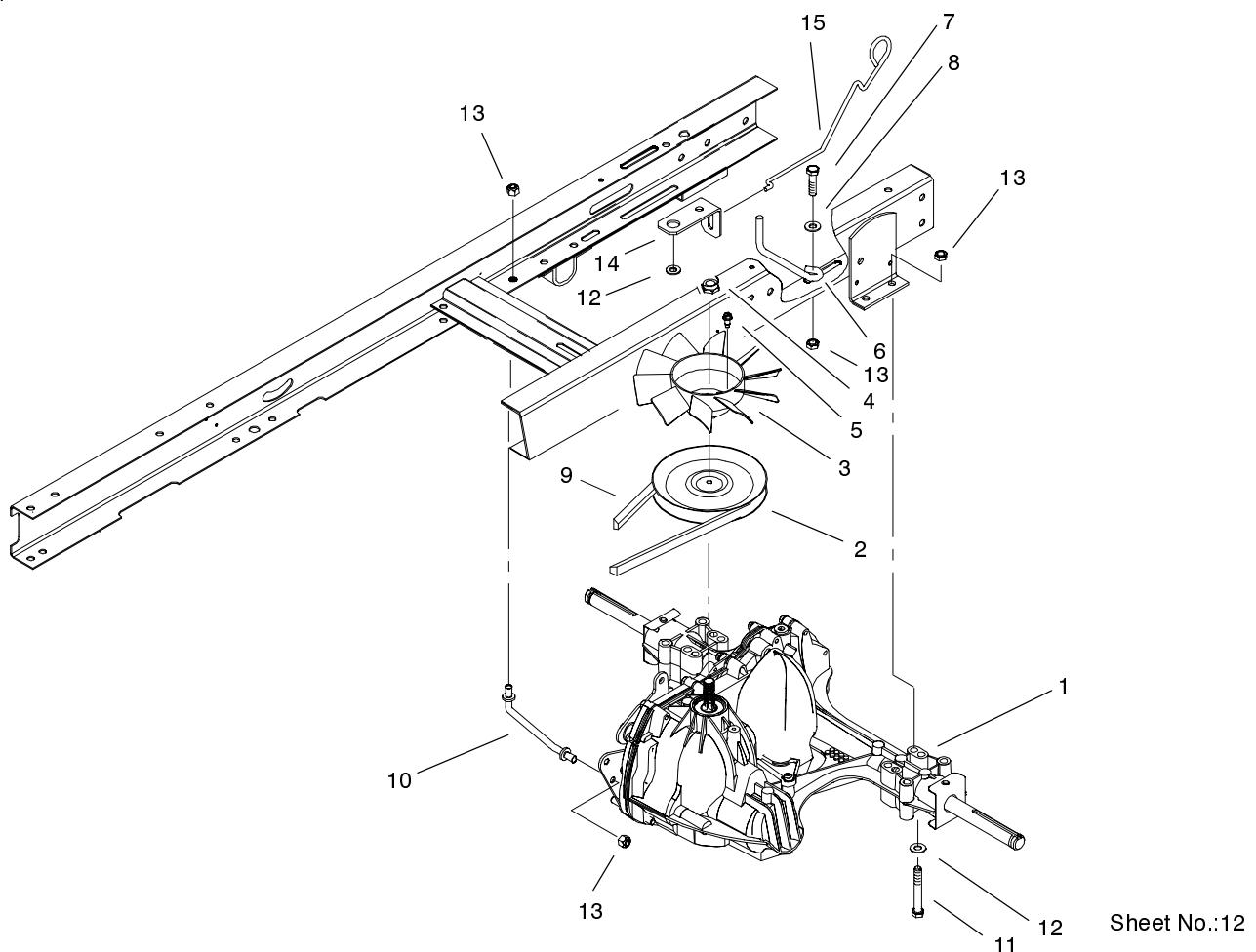
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Rear Wheel & Tire Assembly

Ref. No.	Part No.	Qty.	Description	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				

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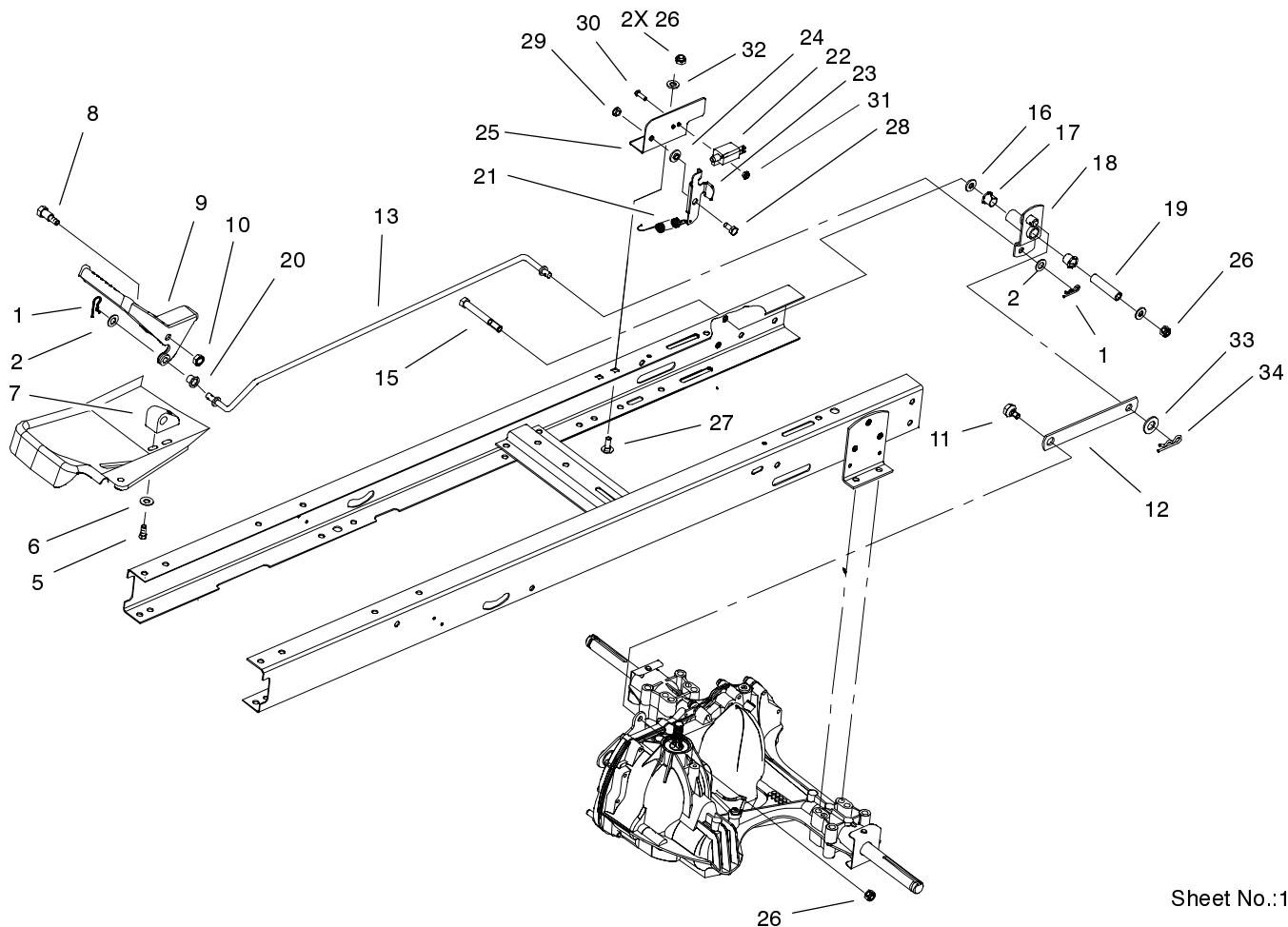
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Hydro Transaxle Assembly

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 NI
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

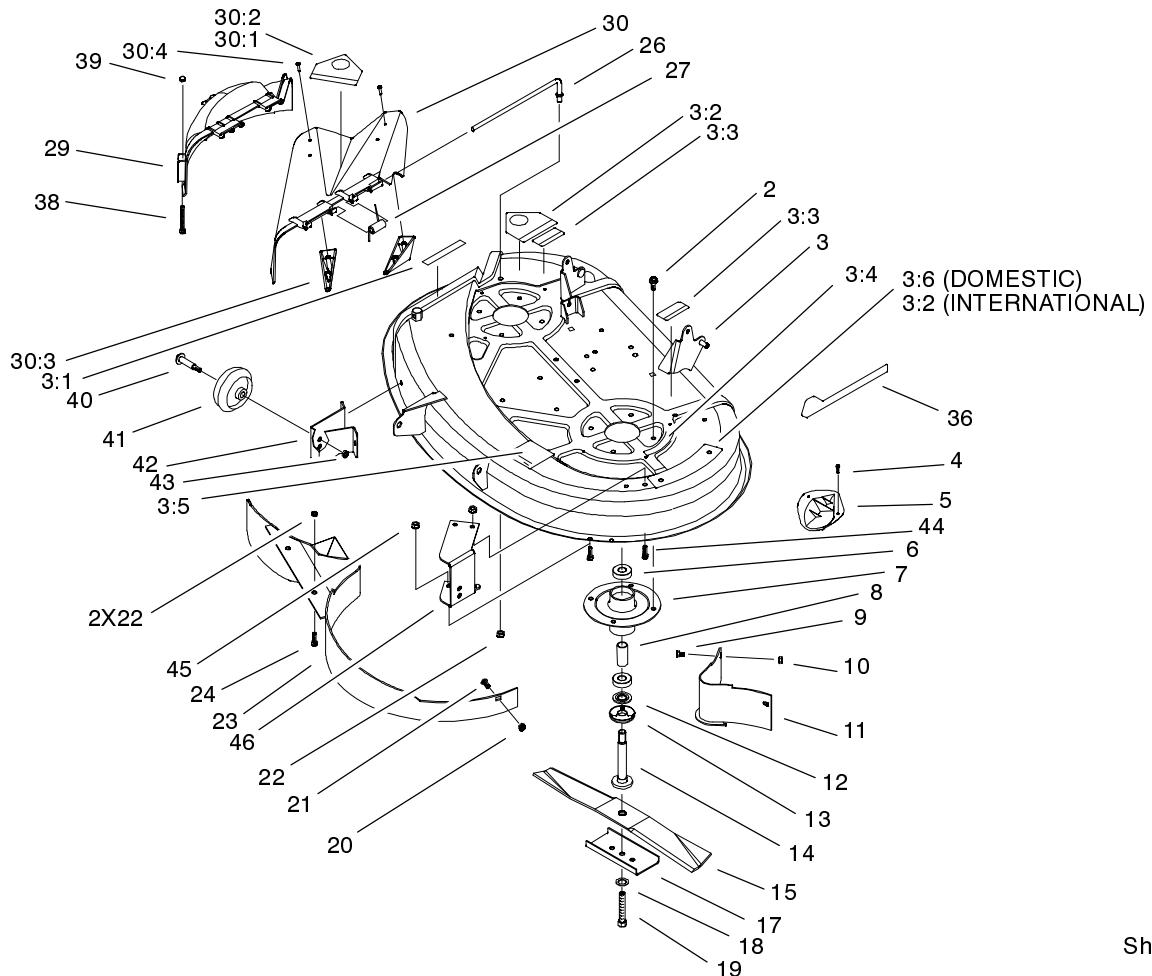
Ref. No.	Part No.	Qty.	Description



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Hydro Transaxle Controls Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-307	2	Pin-Hair	30	3290-392	2	Screw - HHF
2	3256-38	2	Washer-Flat	31	3296-1	2	Nut-Lock NI
5	46-8090	2	Screw-Plastite	32	3256-23	2	Washer-Flat
6	3256-22	2	Washer-Flat	33	3256-26	1	Washer-Flat
7	88-4690	1	Pivot Block	34	9335054	1	Pin-Hair
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				

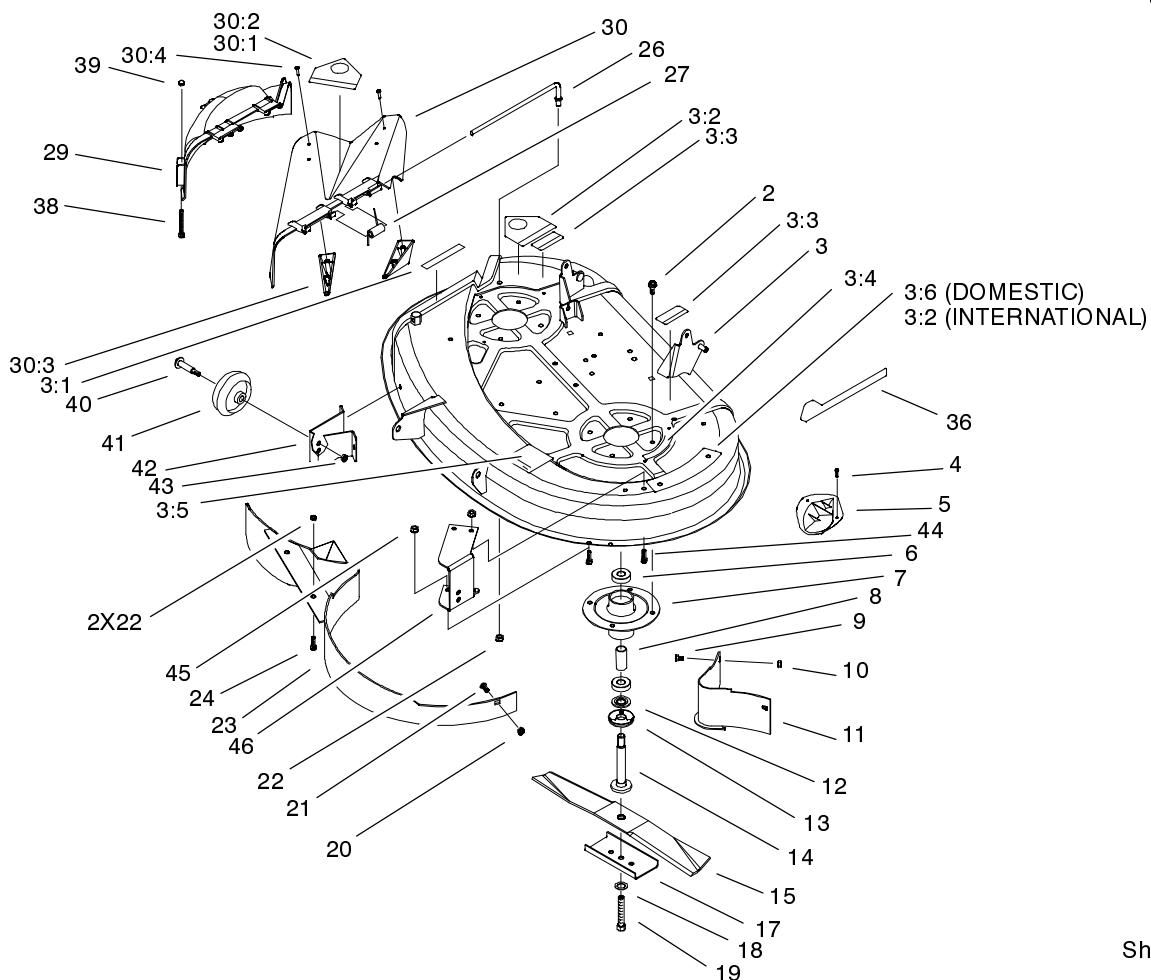


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38" Deck Assembly

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)

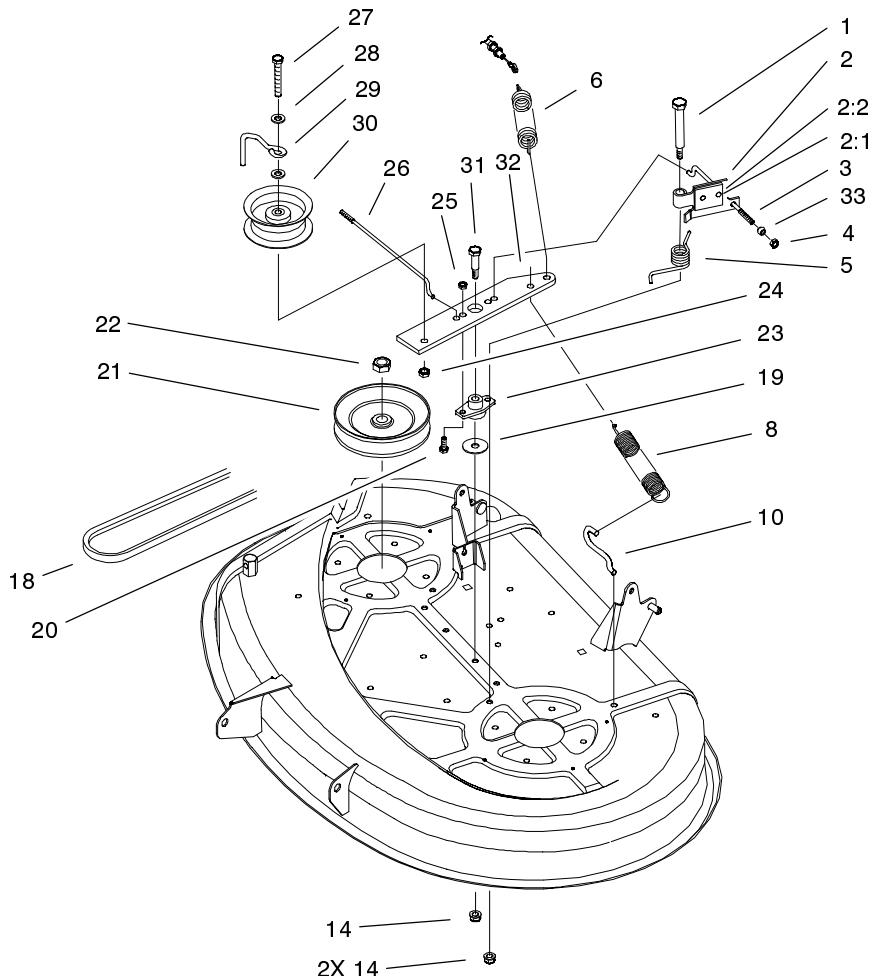
Ref. No.	Part No.	Qty.	Description
3:5	93-6679	1	Decal-Belt Routing (only on: 71227)
3:6	79-3140	1	Decal-Danger (only on: 71227)
4	32144-111	8	Screw-PPH
5	76-2160	4	Plate-Kicker
6	38-7820	4	Bearing-Ball
7	88-4510	2	Spindle
8	62-3661	2	Spacer-Bearing
9	321-4	2	Screw-HH
10	3296-42	2	Nut-Lock NI
11	79-1640-03	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



Sheet No.:16

38" Deck Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
27	57-6950	1	Spring	44	322-3	6	Screw-HH (only on: 71242)
29	88-4430	1	Recycler Cover	45	3296-29	6	Nut-Lock (only on: 71242)
30	93-0317	1	Deflector ASM - 38" (only on: 71227)	46	93-3896-03	1	Brkt,LH Deckwheel (only on: 71242)
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)				

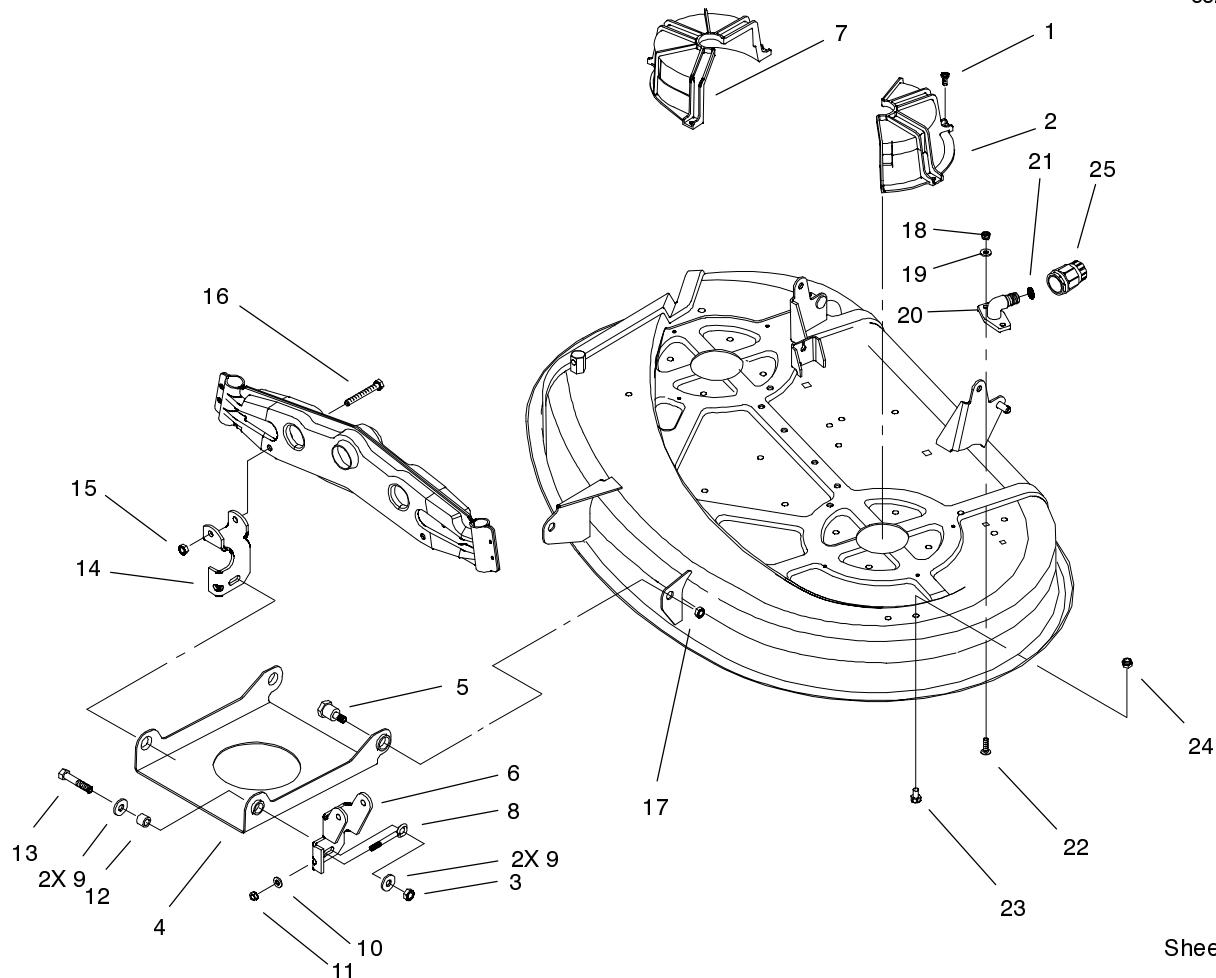


Sheet No.:17

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
32	88-4870-03	1	Arm Idler Deck Ball-Swivel Stop
33	67-0710	2	

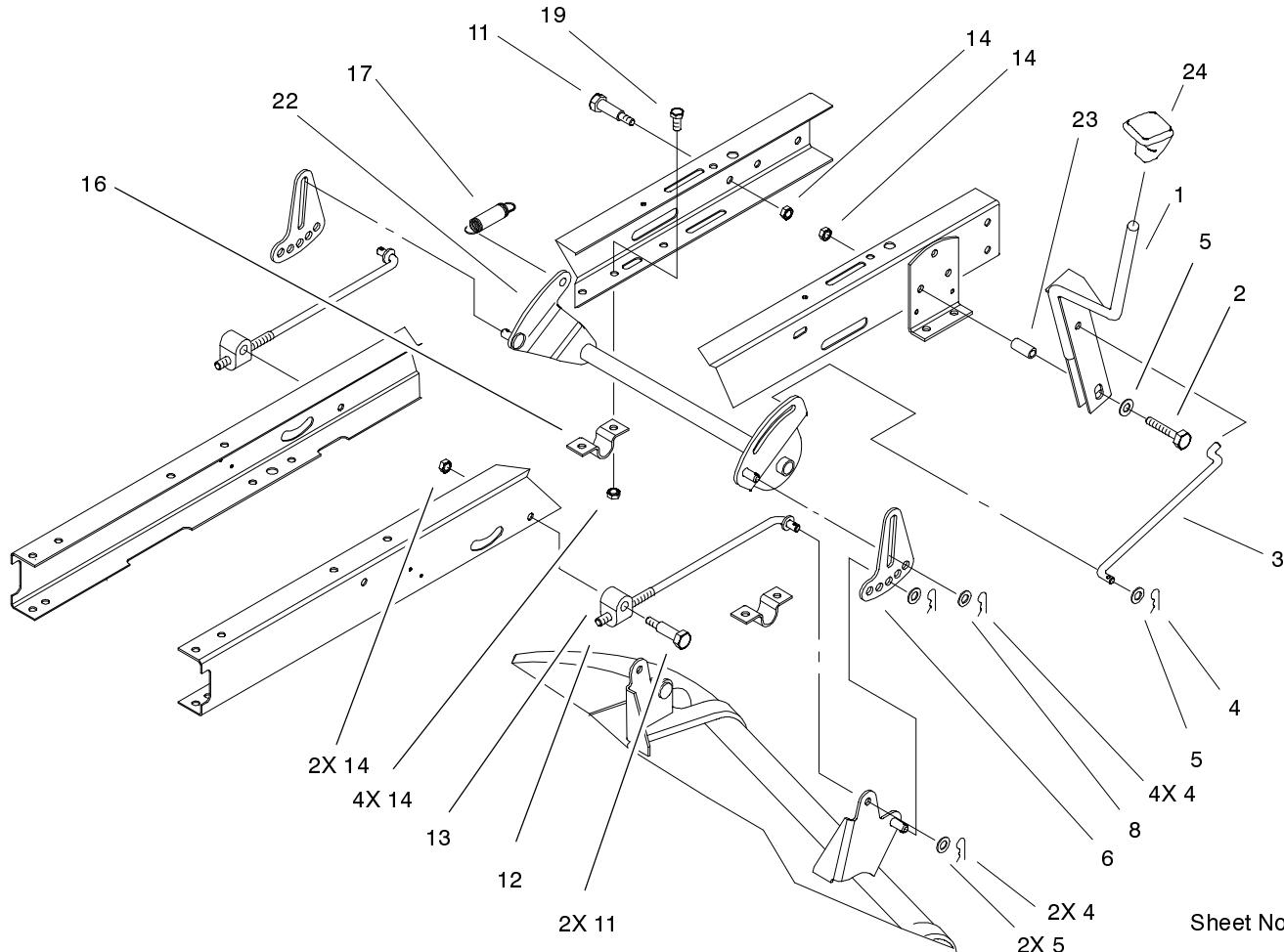
Ref. No.	Part No.	Qty.	Description
32	88-4870-03	1	Arm Idler Deck Ball-Swivel Stop
33	67-0710	2	



Sheet No.:18

38" Deck Engagement Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	32104-76	5	Screw	24	3296-29	2	Nut-Lock (only on: 71227)
2	88-4030	1	LH Deck Belt Guide	25	95-3270	1	Connector-Hose (only on: 71227)
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)				

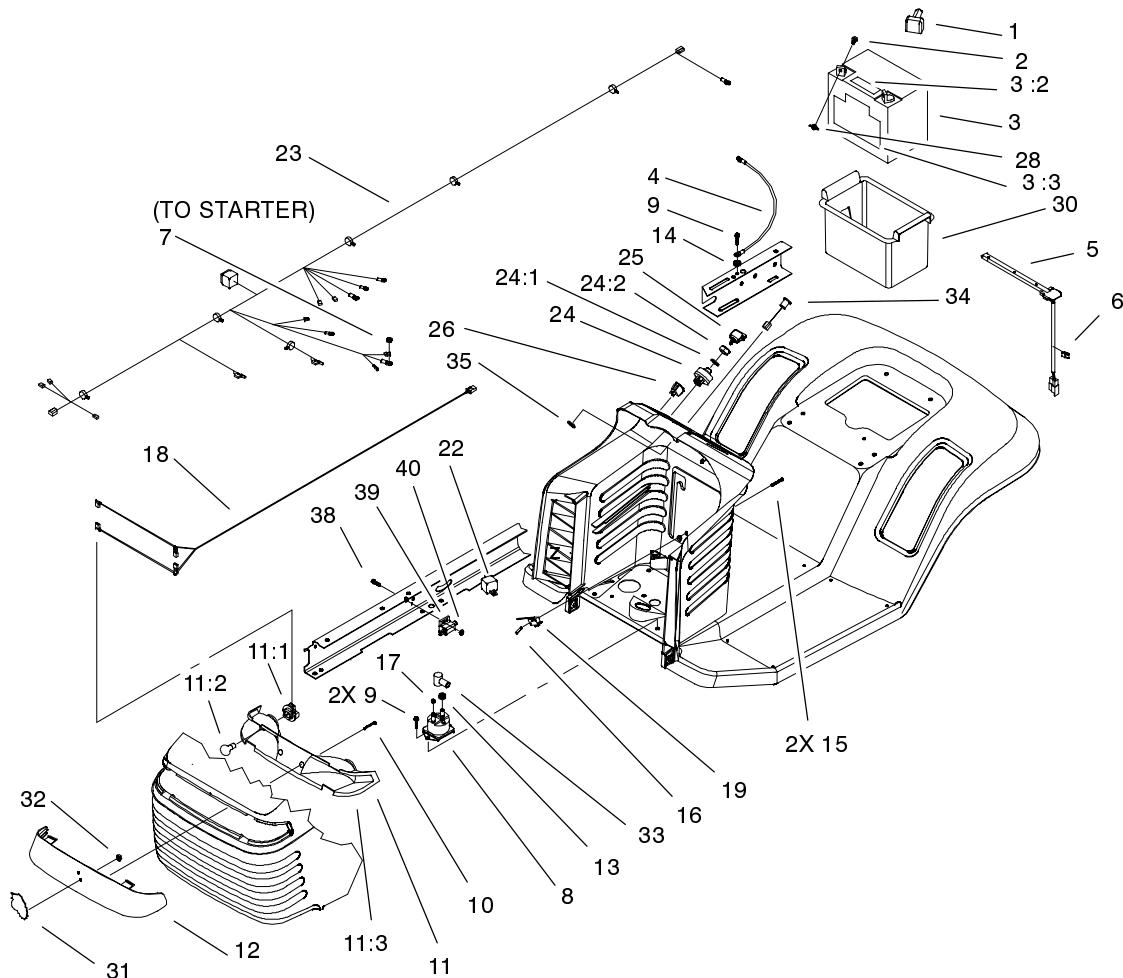


Sheet No.:19

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

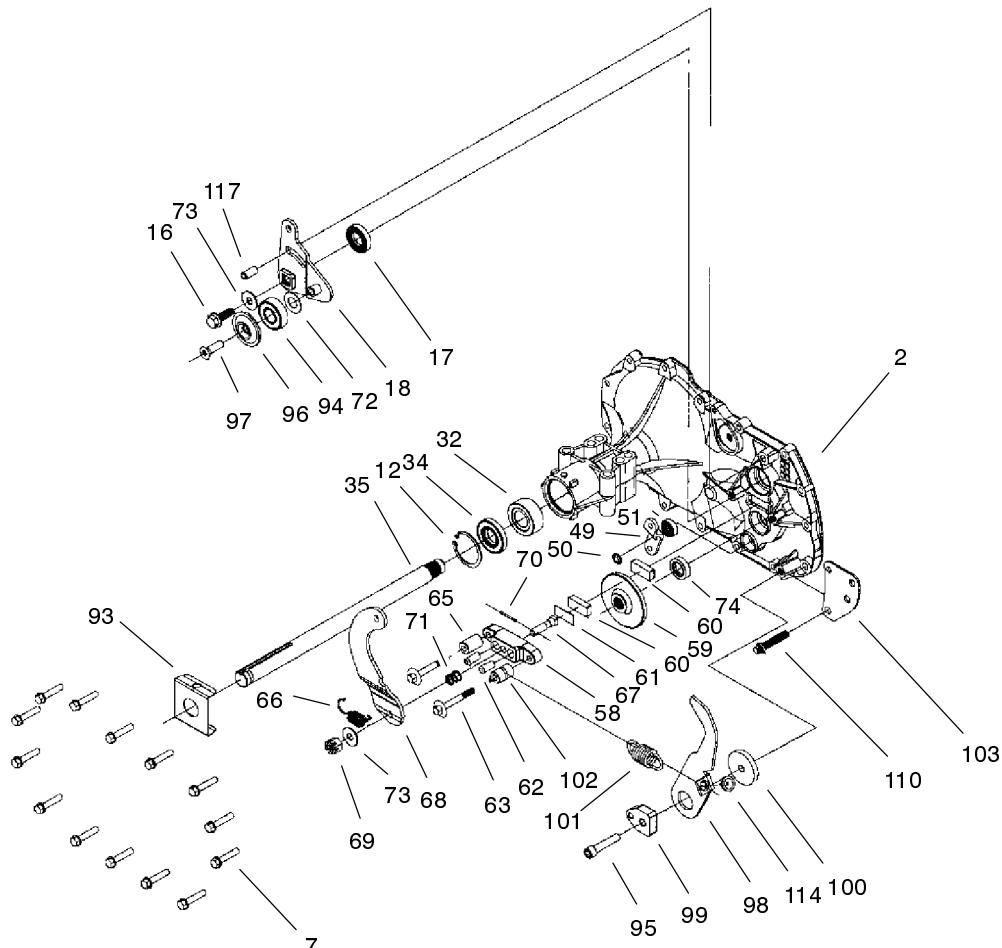
Ref. No.	Part No.	Qty.	Description



Sheet No.:20

Electrical Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	28-8080	1	Boot-Terminal	24	88-9830	1	Switch-Ignition
2	321-4	2	Screw-HH	24:1	3254-5	1	Washer-Lock, Internal
3	104-1755	1	Battery-155 Cca	24:2	218-461	1	Nut-HH
3:2	104-4163	1	Decal-Battery	25	63-8360	1	Key-Ignition
3:3	104-4164	1	Decal-Battery	26	92-8875	1	Switch - Rocker
4	44-8110	1	Wire ASM	28	32103-22	2	Nut-Wing
5	38-1420	1	Switch-Seat	30	88-4040	1	Box-Battery
6	702366	1	Clip-Wire Retainer	31	80-2240	1	Emblem-Grille Whlhorse
7	32149-2	1	Nut	32	3290-299	1	Clip
8	28-4210	1	Solenoid	33	94-5362	1	Boot - Terminal Insulator
9	9266714	3	Screw-HWH	34	95-7652	1	Light - Indicator
10	32144-32	2	Screw	35	99-6059	1	Clip-Retainer
11	88-3970	1	Reflector & Lamp ASM	38	3274-14	2	Screw-HSH
11:1	111686	2	Socket-Light	39	65-7410	1	Switch - Single Pole
11:2	7228	2	Bulb - No. 1156	40	3296-2	2	Nut-Lock
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				

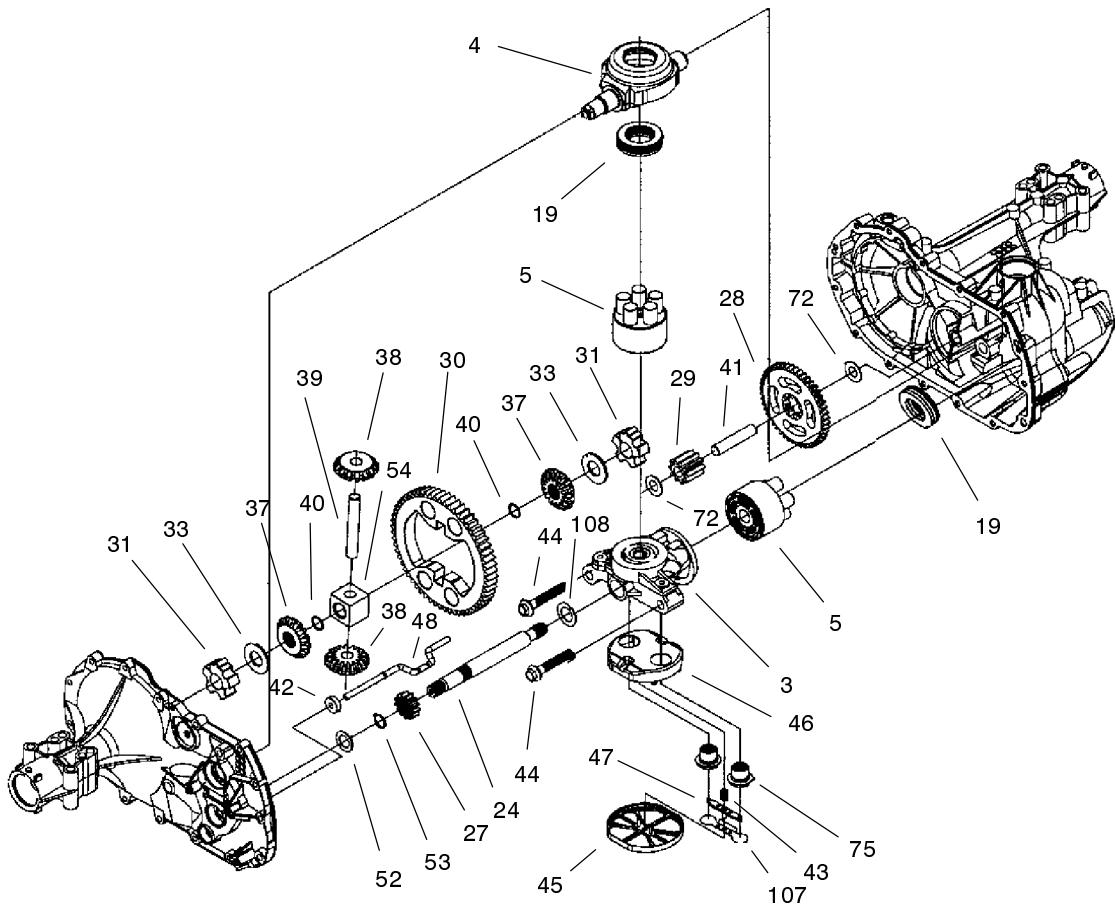


Sheet No.:3

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

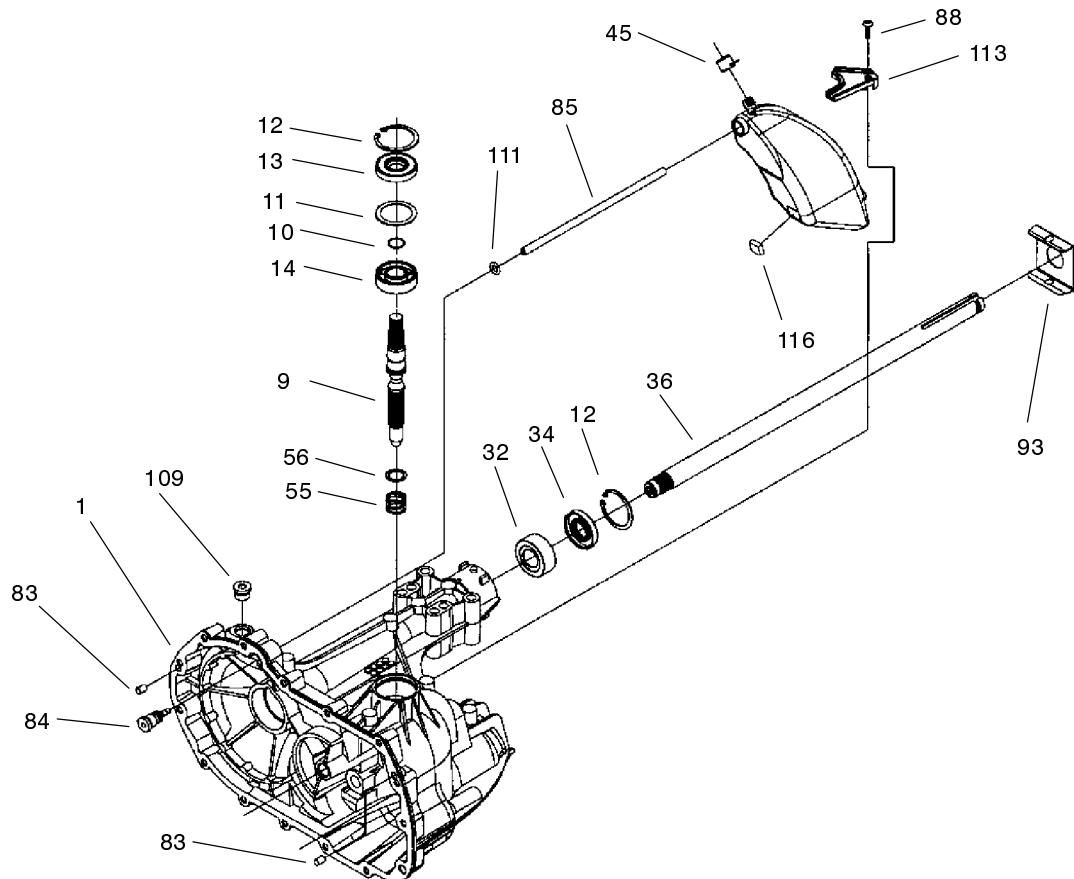
Ref. No.	Part No.	Qty.	Description
71	104-2188	1	Spring-Brake Anti Drag Comp.
72	94-1933	1	Washer
73	104-2146	2	Washer
74	104-5347	1	Seal-Oil
93	104-5353	1	Clip-Spring
94	104-2156	1	Bearing
95	104-2155	1	Screw
96	104-2157	1	Spacer-Locating
97	104-2158	1	Screw-Countersunk
98	104-5354	1	Arm-Return
99	104-2119	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



Sheet No.:4

Gear Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
03	104-5303	1	Center Section ASM	53	104-5340	1	Ring-Retaining
04	104-5304	1	Swashplate-Trunnion	54	104-5341	1	Bearing-Center Block
05	104-2106	2	Machined	72	94-1933	2	Washer
19	94-6922	2	10cc Cylinder Block	75	104-5348	2	Check Plug ASM
24	104-5314	1	ASM	107	104-5359	1	Deflector
27	104-5316	1	Arm-Control	108	104-5360	1	Washer-Motor Shaft
28	104-5317	1	Gear-Pinnion, 13t				
29	104-5318	1	Gear- 10t/48t				
30	104-5319	1	Gear-Jackshaft 10t				
31	104-5320	2	Gear-Bull 60t				
33	94-1943	2	Bearing-Sleeve				
37	104-5325	2	Washer				
38	104-5326	2	Gear-Miter				
39	104-5327	1	15t				
40	104-5328	2	Shaft				
41	104-5329	1	Ring-Spiral Retaining				
42	104-5330	1	Pin-Jackshaft				
43	104-5331	1	Magnet-Ring				
44	94-6926	2	Spring-Bypass				
45	104-5332	1	Bolt				
46	104-5333	1	Filter				
47	104-5334	1	Base-Filter				
48	104-5335	1	Actuator-Bypass				
52	104-5339	1	Rod-Bypass Actuator				
			Washer-Flat				



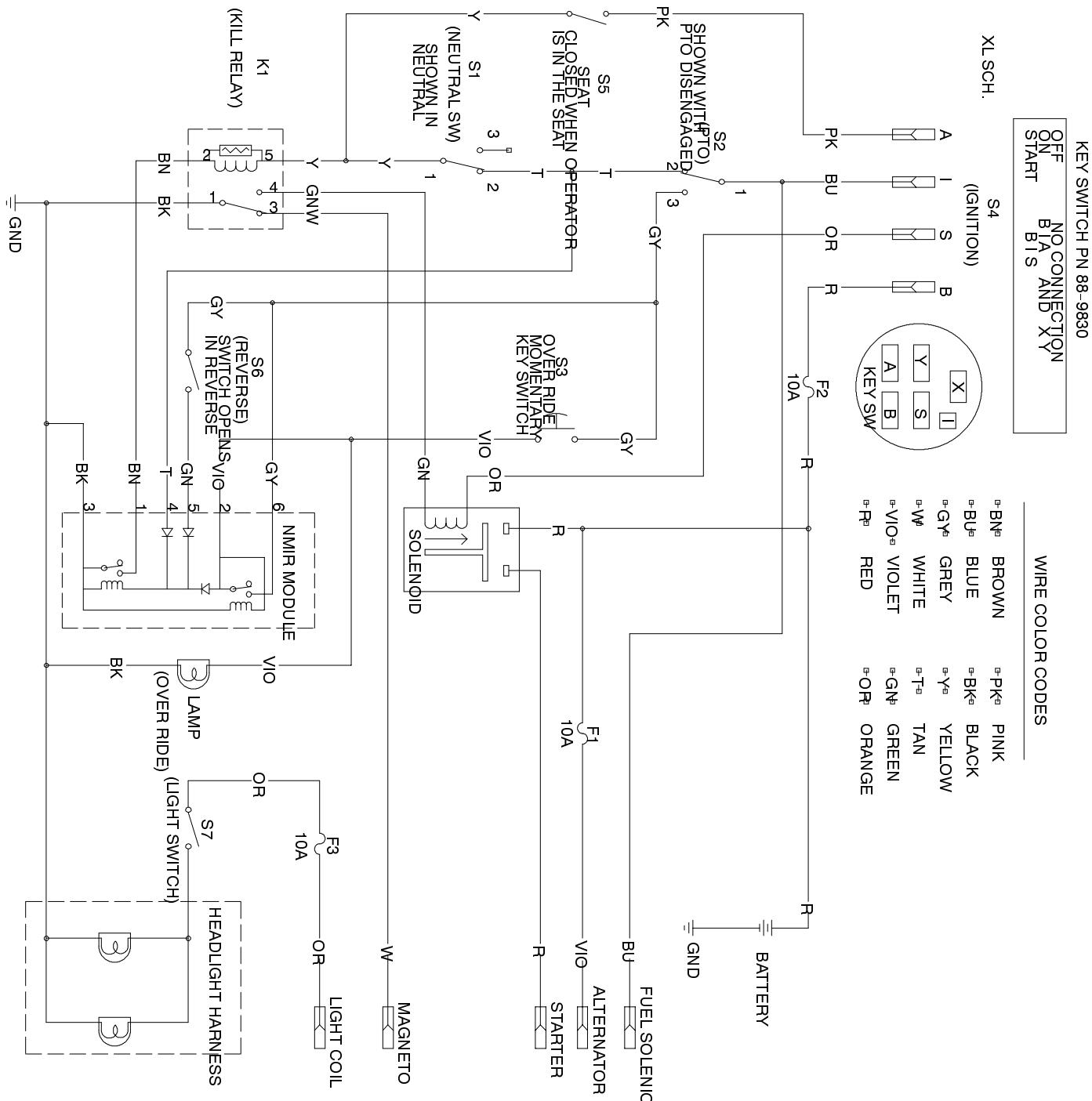
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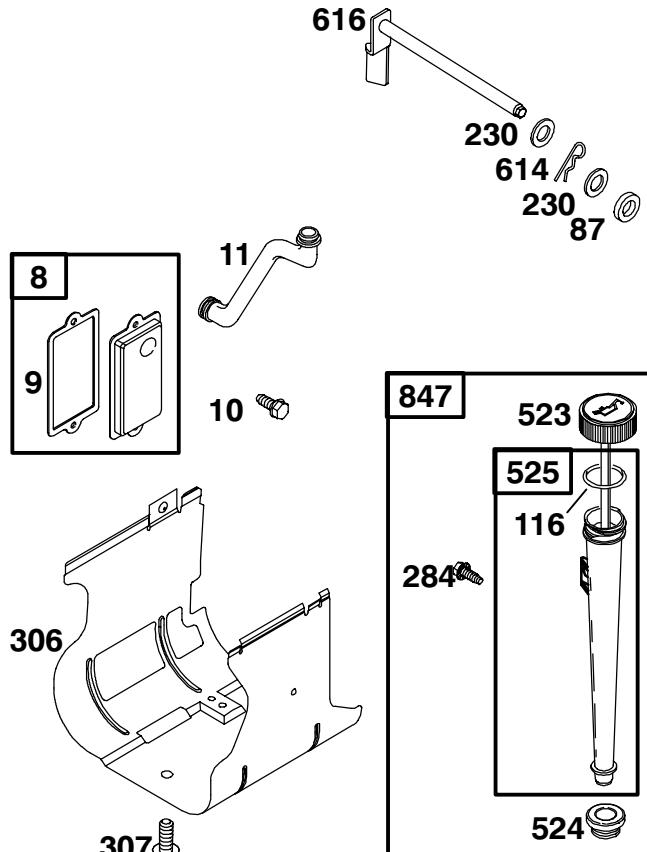
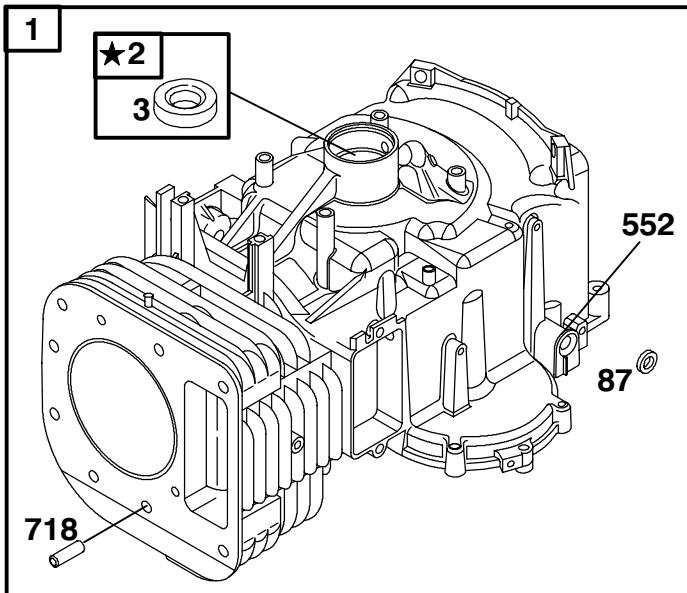
Axle Assembly

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

Wiring Schematic





1058 OWNER'S MANUAL

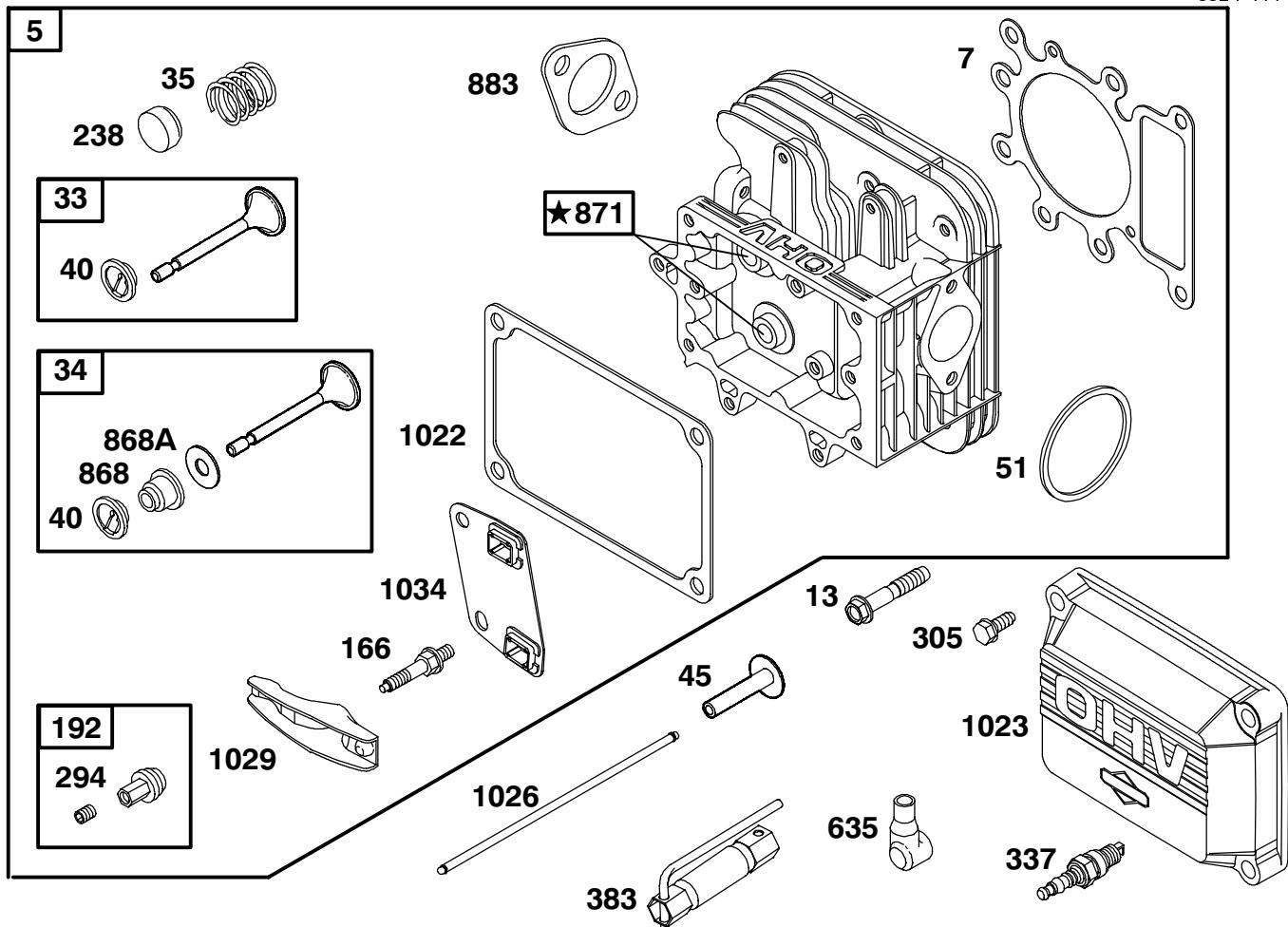
★ REQUIRES SPECIAL TOOLS
TO INSTALL. SEE REPAIR
INSTRUCTION MANUAL.

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
			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

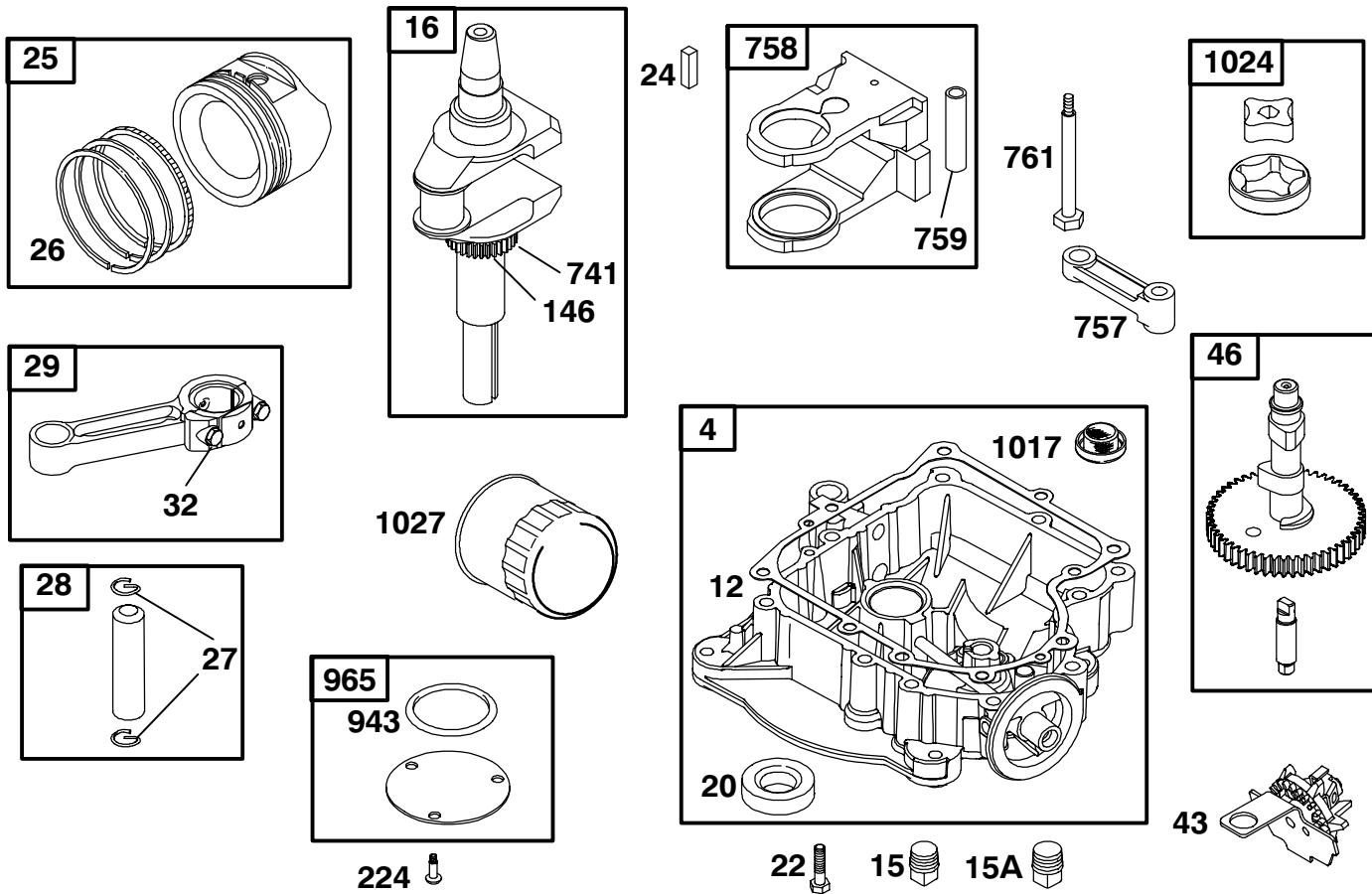
★ Included in Gasket Set-Part No. 495993



Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
5	691165	1	Head-Cylinder				Rod-Push
●★7	273280	1	Gasket-Cylinder Head				(Exhaust)
13	94728	1	Screw-Cylinder Head	1029	224554	1	Arm-Rocker
33	495856	1	Valve-Exhaust	1034	495248	1	Guide-Push Rod
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				

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

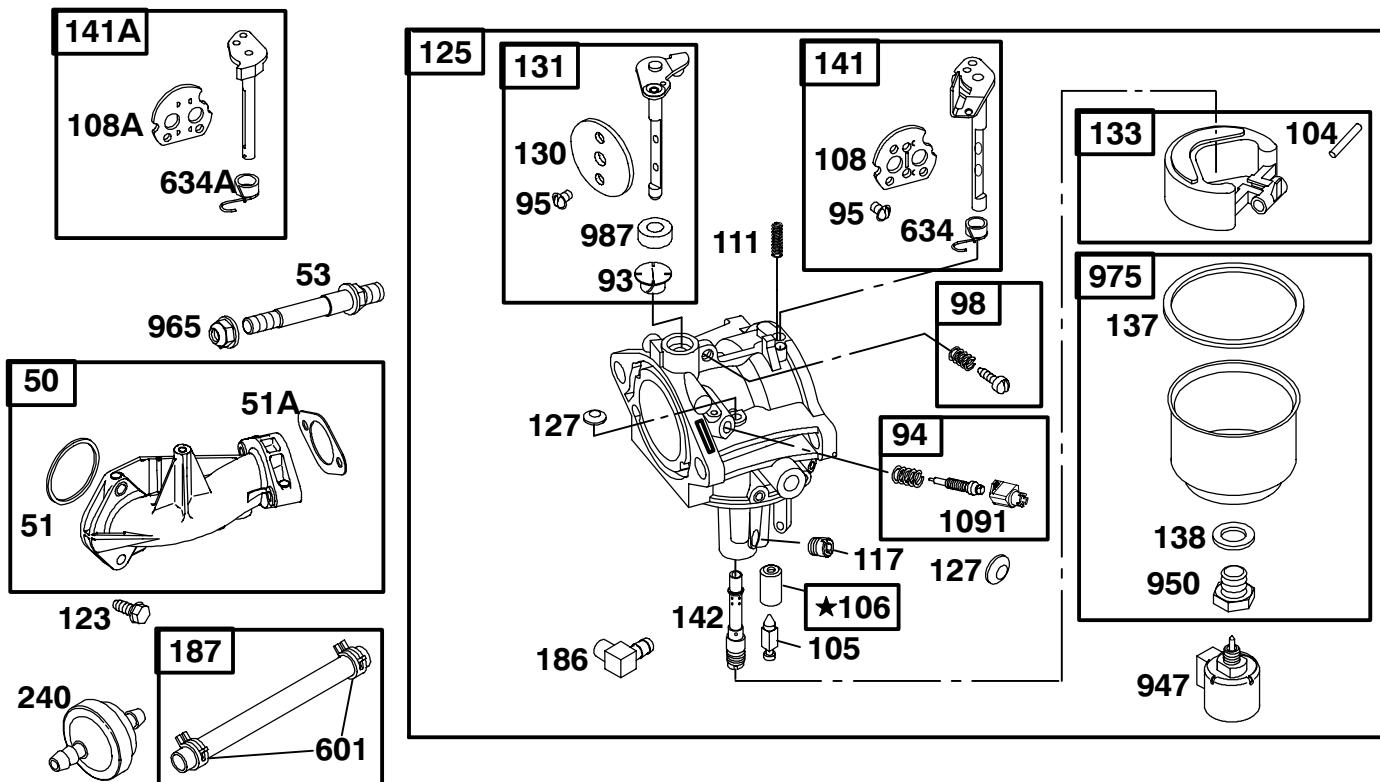


Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description
4 ★12	693582 271916	1	Base-Engine
		1	Gasket-Crankcase (.015" Thick, Std.)
★	271997	1	Gasket-Crankcase (.005" Thick)
★	271996	1	Gasket-Crankcase (.009" Thick)
15 15A	94239 91488	1	Plug-Oil Drain
		1	Plug-Oil Pressure Switch
16 ★20	690136 291675	1	Crank-Shaft
		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 495852 495851 495855	1	Ring Set (Standard)
		1	Ring Set (.010" O.S.)
		1	Ring Set (.020" O.S.)
		1	Ring Set (.030" O.S.)

* Included in Gasket Set-Part No. 495993.

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

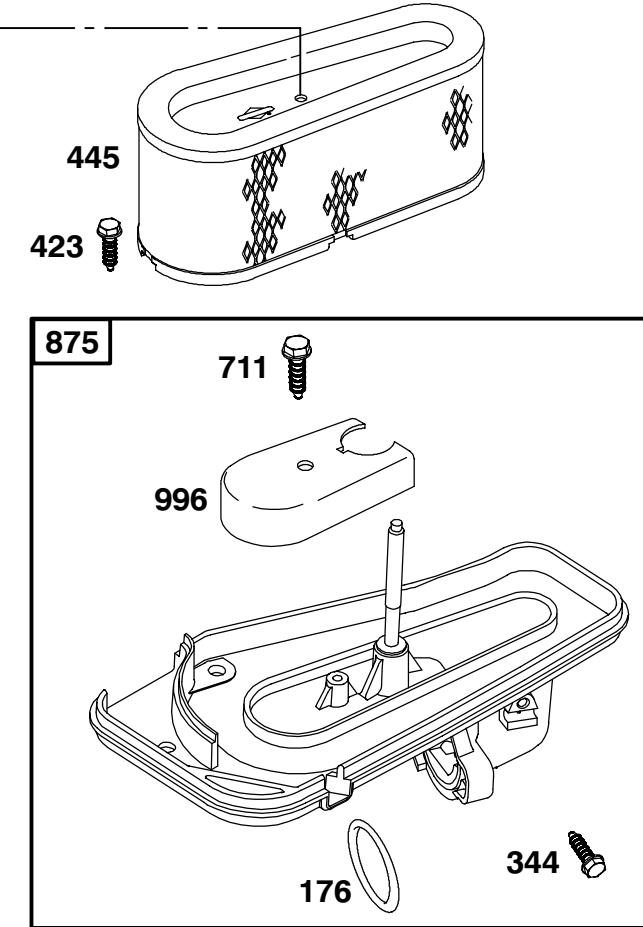
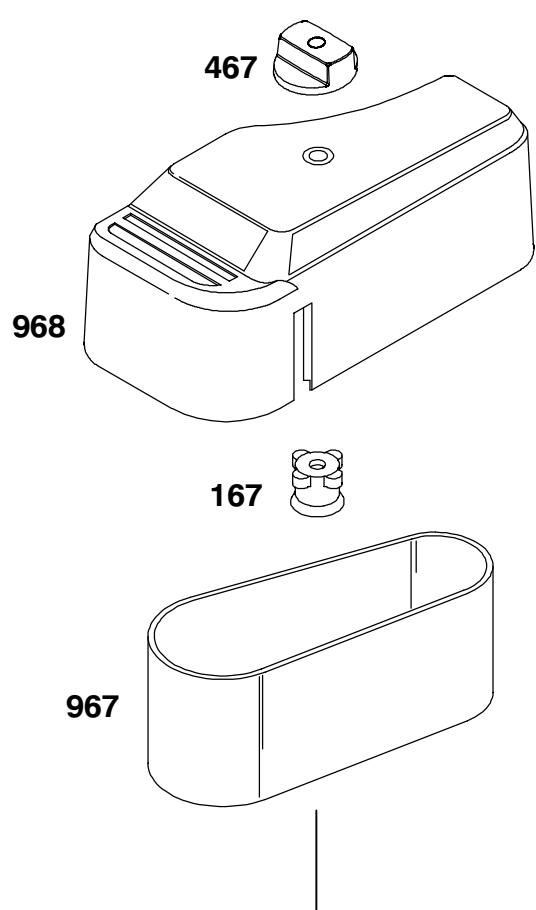


★ REQUIRES SPECIAL TOOLS
TO INSTALL. SEE REPAIR
INSTRUCTION MANUAL. Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

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

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



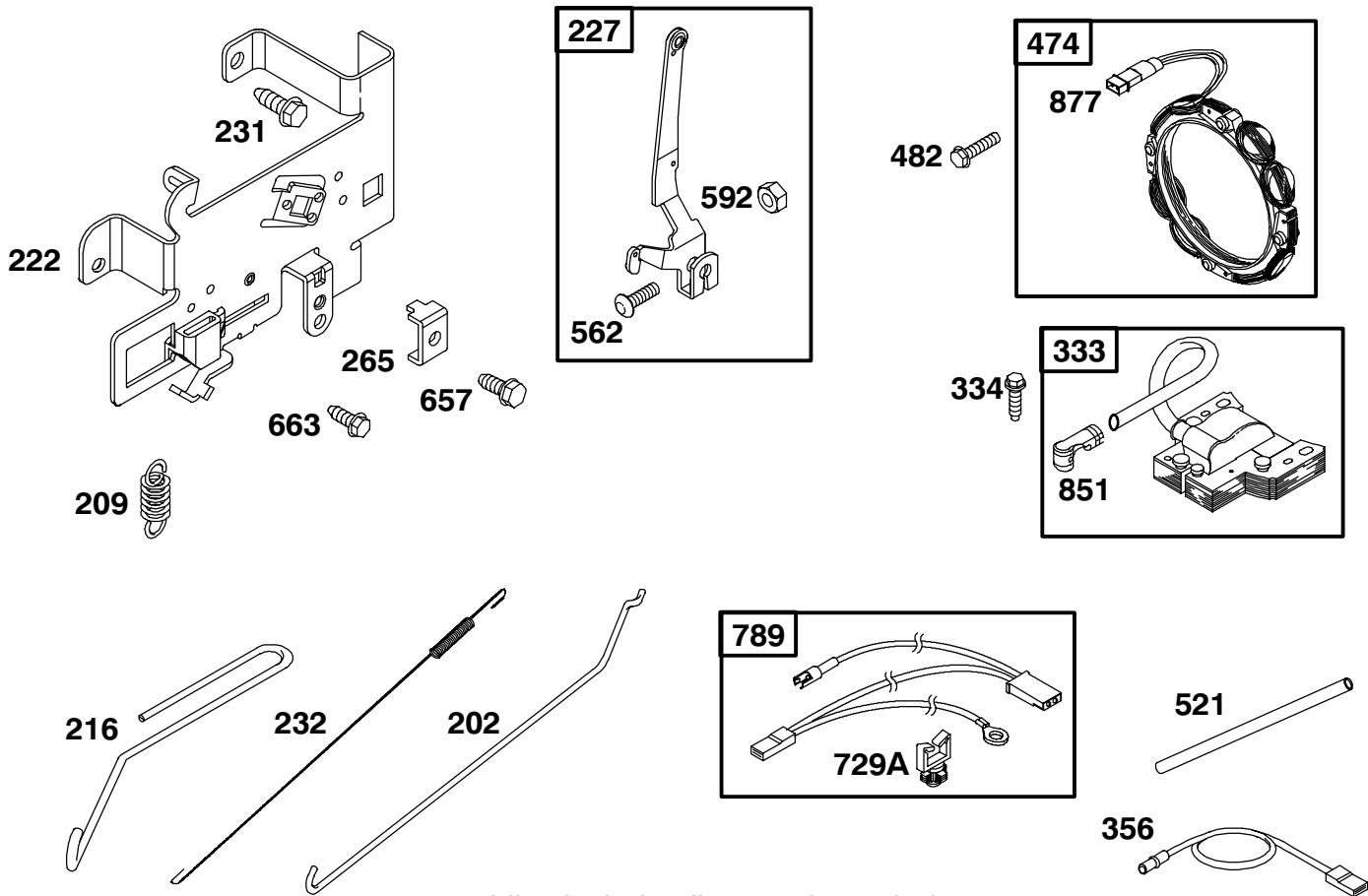
Assemblies include all parts shown in frames.

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

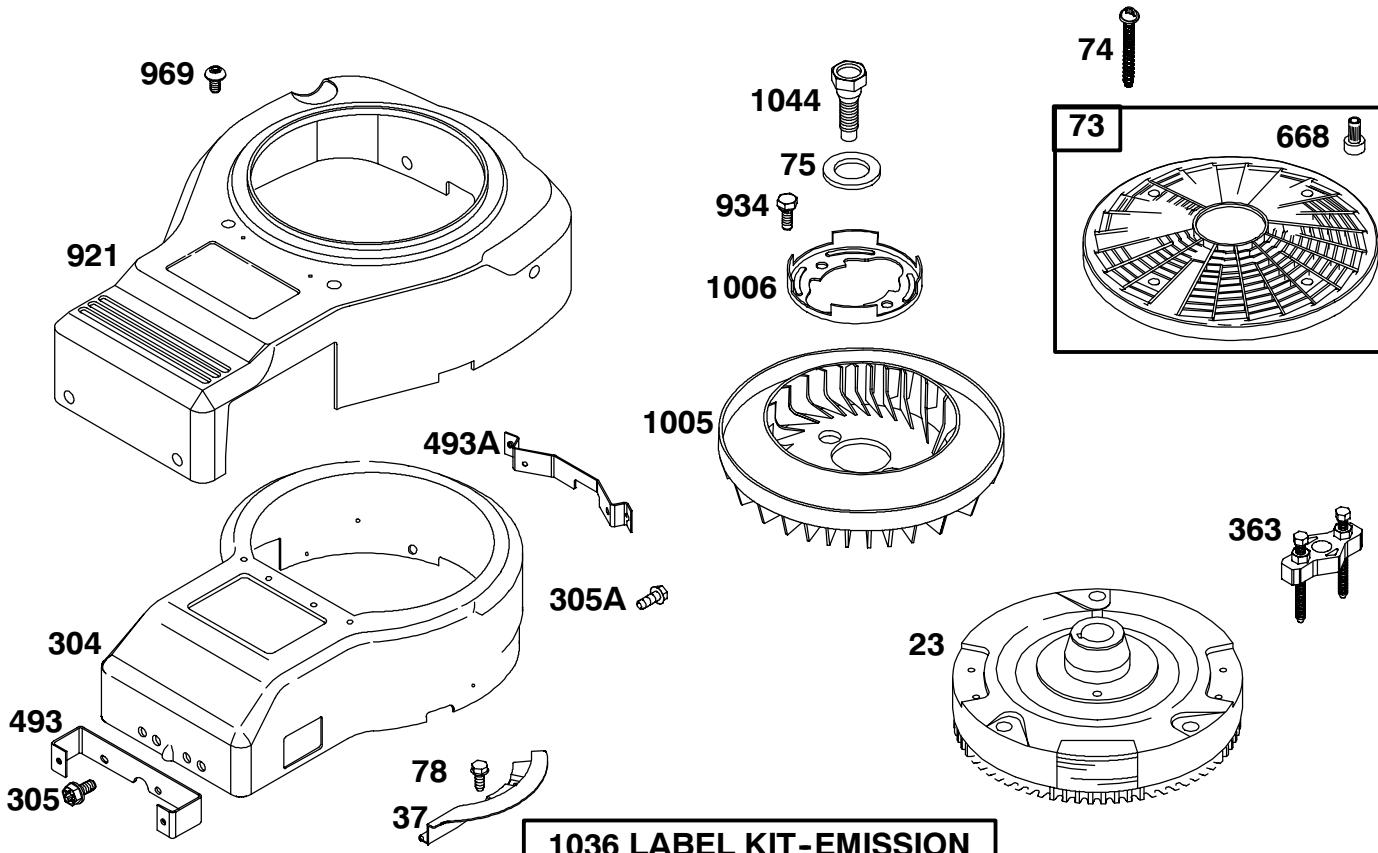
* Included in Gasket Set-Part No. 495993.



Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description	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				

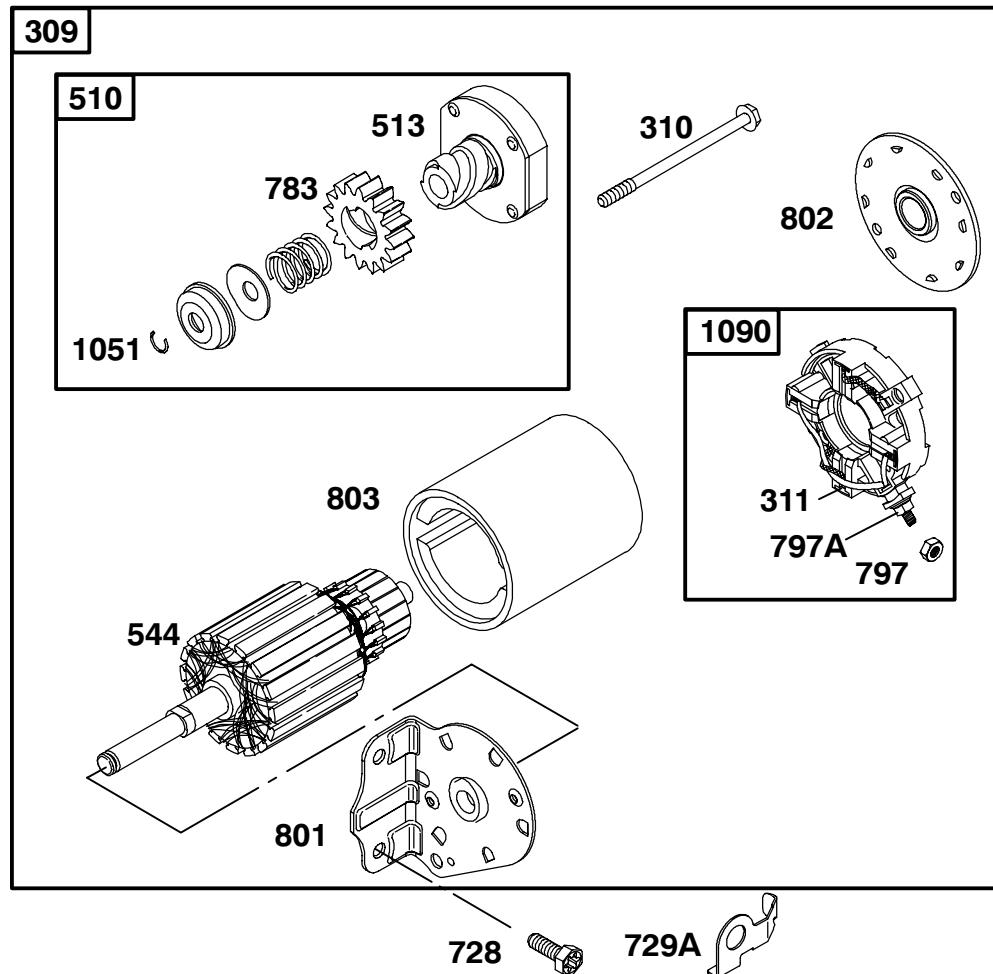


Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777-0690-E1

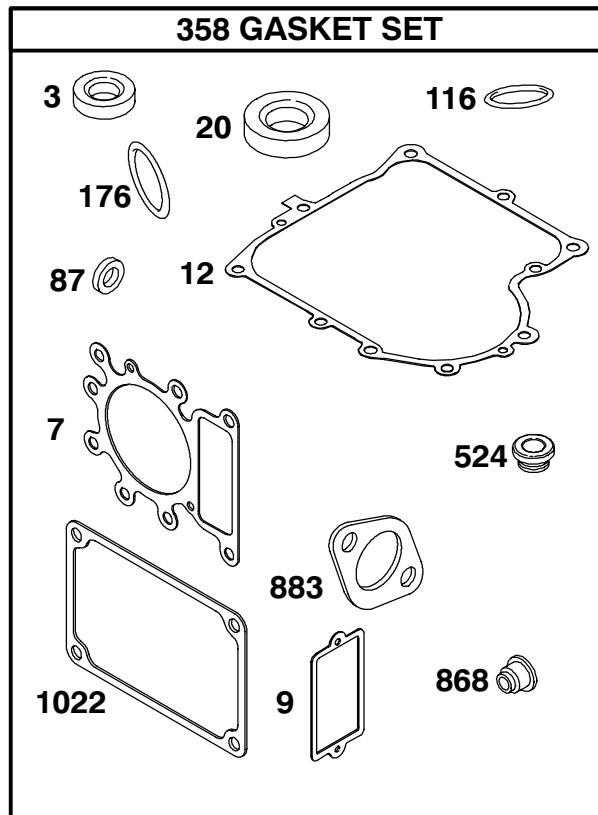
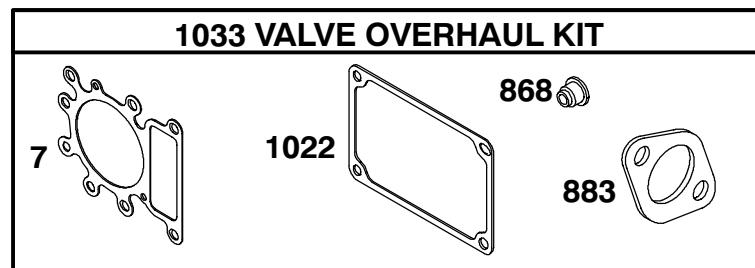
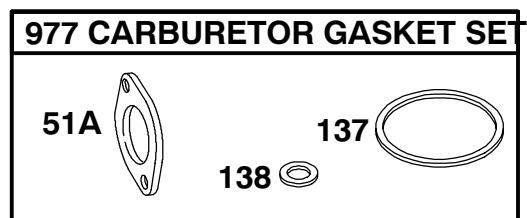
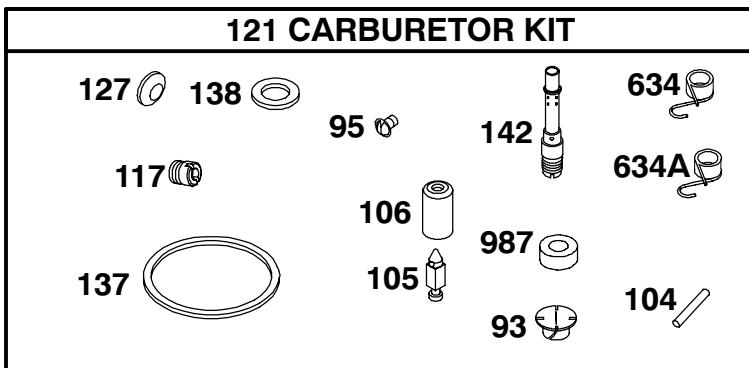
Ref. No.	Part No.	Qty.	Description
23	693557	1	Flywheel
37	224502	1	Guard-Flywheel
73	494439	1	Screen-Rotating
74	94821	1	Screw-Sem
75	224061	1	Washer
78	94896	1	Screw-Hex. Head
304	225017	1	Housing-Blower
305	690960	1	Screw-Hex. Head
305A	692127	1	Screw-TorxRHex
363	19203	1	Puller-Flywheel
493	224968	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	1	Screw (Flywheel)

Ref. No.	Part No.	Qty.	Description



Engine Briggs & Stratton Model 28Q777-0690-E1

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
309	693551	1	Motor-Starter				
310	94003	1	Screw (Starter Motor)				
311	497608	1	Brush Set				
510	693699	1	Drive-Starter				
513	398003	1	Clutch-Drive				
544	497603	1	Armature-Starter				
728	94951	1	Screw (Starter Motor Mounting)				
729A	225170	1	Clip-Wire				
783	693713		Starter-Pinion (Steel)				
1797	92278		Nut				
797A	693167	1	(Starter Terminal) Nut (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				



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			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

- 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								

