Form No. 3325–748

Wheel Horse® 1638XL, 1638XLE

Lawn Tractor

Model No. 71223–210000001 and Up

Model No. 71226–210000001 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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Contents

Description	Page
Frame & Body Assembly	3
Hood & Tower Assembly	4
Rear Body & Seat Assembly	5
Steering Assembly	6
Steering Assembly (cont.)	7
Fixed Steering Assembly	8
Engine Assembly	9
Traction Clutching Assembly	10
Shifting Assembly	11
5 Speed Transaxle Assembly	12
38” Deck Assembly	13
38” Deck Assembly (cont.)	14
38” Deck Blade Drive & Brake Assembly	15
38” Deck Engagement Assembly	16
Height of Cut Assembly	17
Electrical Assembly	18
Engine Briggs & Stratton Model 28Q777–0690–E1	19–27
Transaxle Peerless MST 205–509	28–29
Schematic	30
Maintenance	31

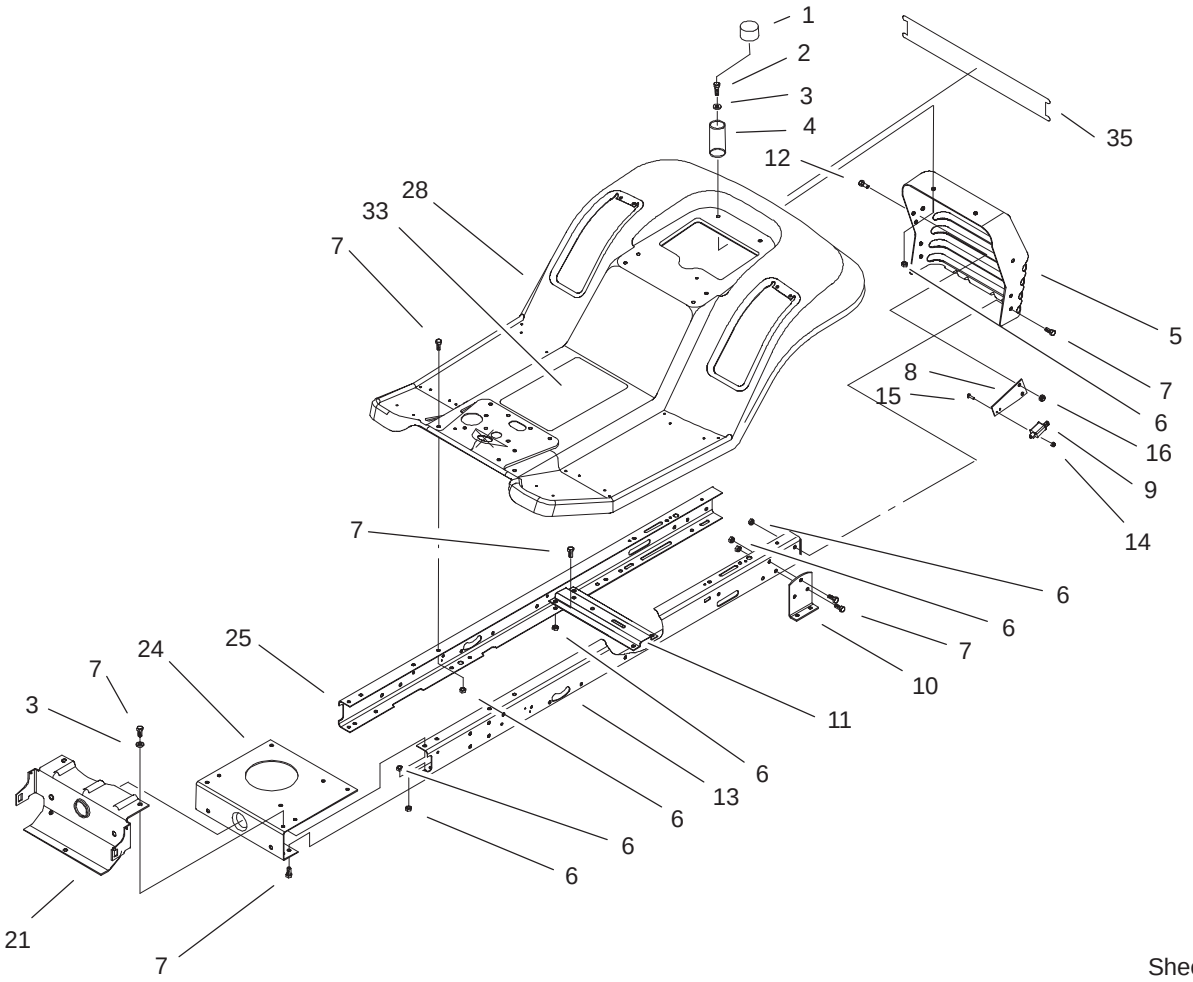
Accessories

Description	Model / Part No.
Easy Empty Bagging Kit (Model No. 71223 only)	Model No. 79116
Easy Empty Bagging Kit	Model No. 79117
Twin Bag Bagger Kit (Model No. 71223 only)	Model No. 79101
Twin Bag Bagger Kit	Model No. 79103
Recycler Kit (Std. both models)	Model No. 79170
Hi–Sail Bagging Blade	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 71226) (Optional model 71223)	Model No. 79182
Exhaust Deflector Kit	Part No. 94–6872

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

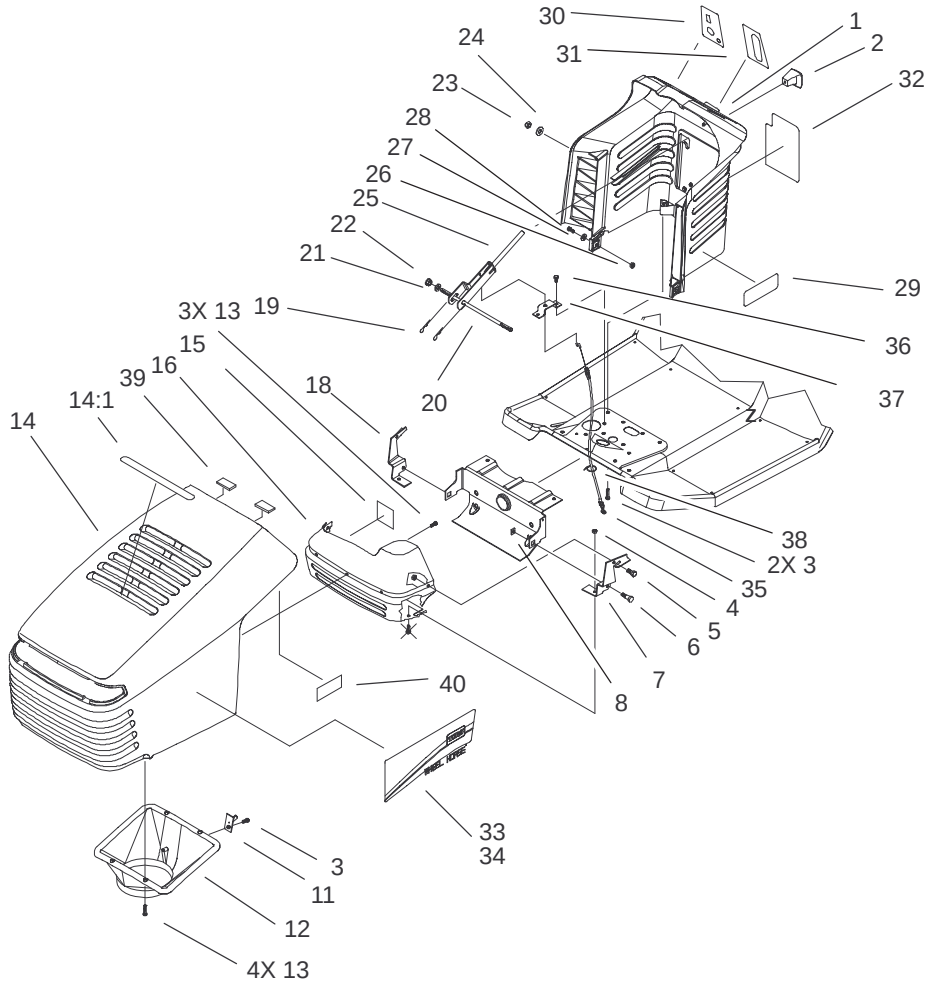
Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	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
7	322–3	22	Screw–HH
8	99–2953–03	1	Plate–Switch
9	95–1653	1	Switch – Single Pole
10	88–5260–03	2	Bracket–Transaxle Mtg
11	88–4620–03	1	Bracket–Idler Pivot
12	322–3	2	Screw–HH
13	99–2958–03	1	Rail– LH Frame
14	3296–1	2	Nut–Lock NI
15	3290–392	2	Screw – Hex Head Slot
16	3296–29	2	Nut–Lock
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
33	99–6094	1	Decal – Instruction (only on: 71223)
33	93–6675	1	Decal – Gear Instr. Intl (only on: 71226)
35	95–0809	1	Decal–Rear Body

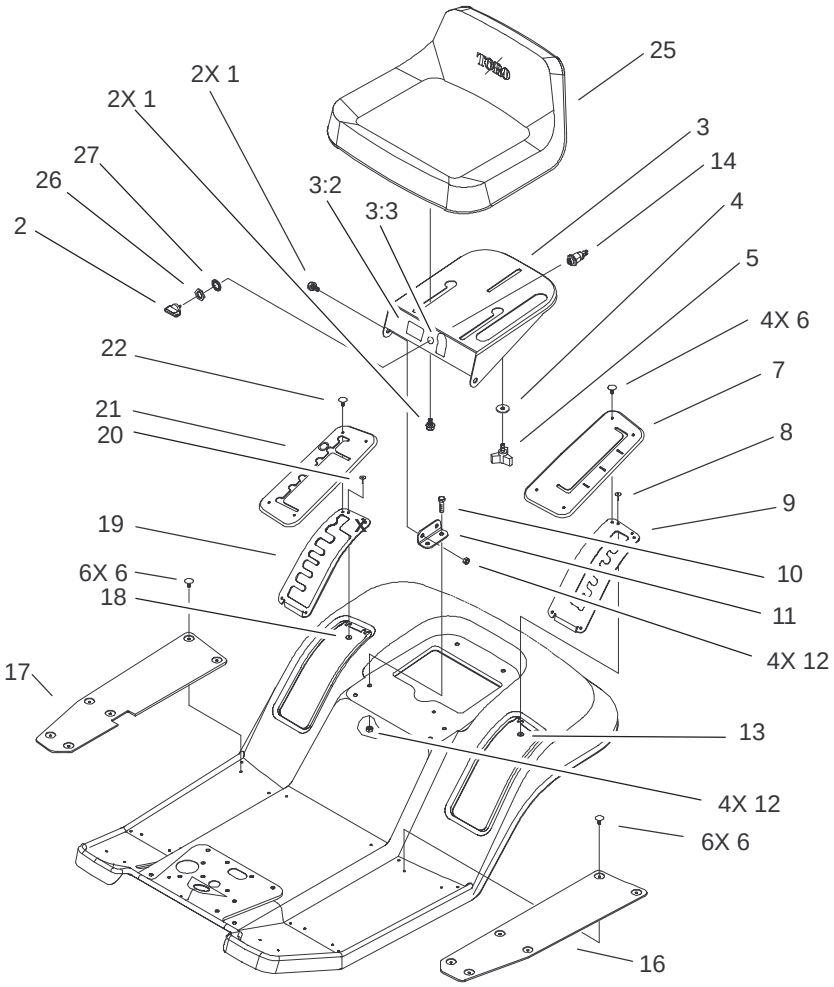


Sheet No.:3

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	92–8650	1	Hood–V–Chassis Toro
14:1	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

Ref. No.	Part No.	Qty.	Description
28	322–3	2	Screw–HH
29	100–6247	2	Decal–1638 Xl
30	99–8139	1	Decal–Ignition/Lights (only on: 71223)
30	99–8141	1	Decal–Ignition/Lights (only on: 71226)
31	92–2461	1	Decal – Throttle (only on: 71223)
31	92–5730	1	Decal – Throttle (only on: 71226)
32	92–2462	1	Decal – Deck Engage (only on: 71223)
32	93–6673	1	Decal – Deck Engage (only on: 71226)
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	100–6221	1	Decal–Service, 71223 (only on: 71223)

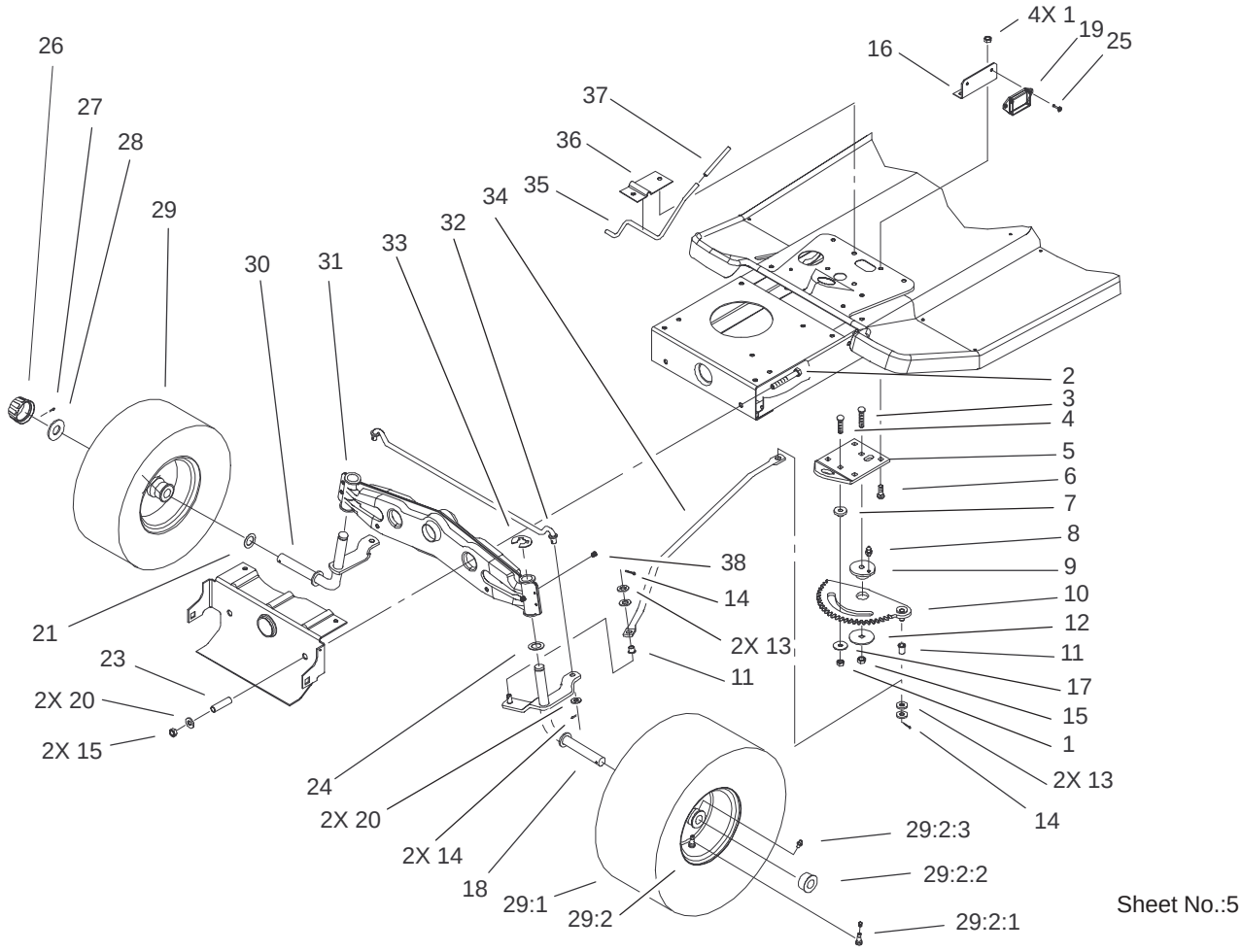


Sheet No.:4

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 (only on: 71223)
3	99–5831	1	Support ASM–Seat (only on: 71226)
3:2	99–2986	1	Decal–Danger Intl (only on: 71226)
3:2	99–2985	1	Decal–Danger (only on: 71223)
3:3	99–5340	1	Decal–Nmir Switch Intl (only on: 71226)
3:3	99–5339	1	Decal–Nmir Switch (only on: 71223)
4	5–4460	1	Washer–Pivot
5	92–9674	1	Knob
6	3290–479	16	Fastener–Panel
7	88–5170	1	Cover – HOC (only on: 71223)
7	93–7657	1	Cover – HOC, Intl (only on: 71226)
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
16	88–5240	1	Mat–LH Foot
17	88–5220	1	Mat–RH Foot
18	3269–26	2	Washer–Flat
19	88–5020–03	1	Plate–Shift Gate
20	3290–282	2	Rivet–Pop, Steel
21	88–5160	1	Cover–Shift Gate (only on: 71223)
21	93–7656	1	Cover – Shift, Intl (only on: 71226)
22	3290–479	4	Fastener–Panel
25	88–3950	1	Seat – Medium Back
26	218–461	1	Nut–HH
27	3254–5	1	Washer–Lock/Internal



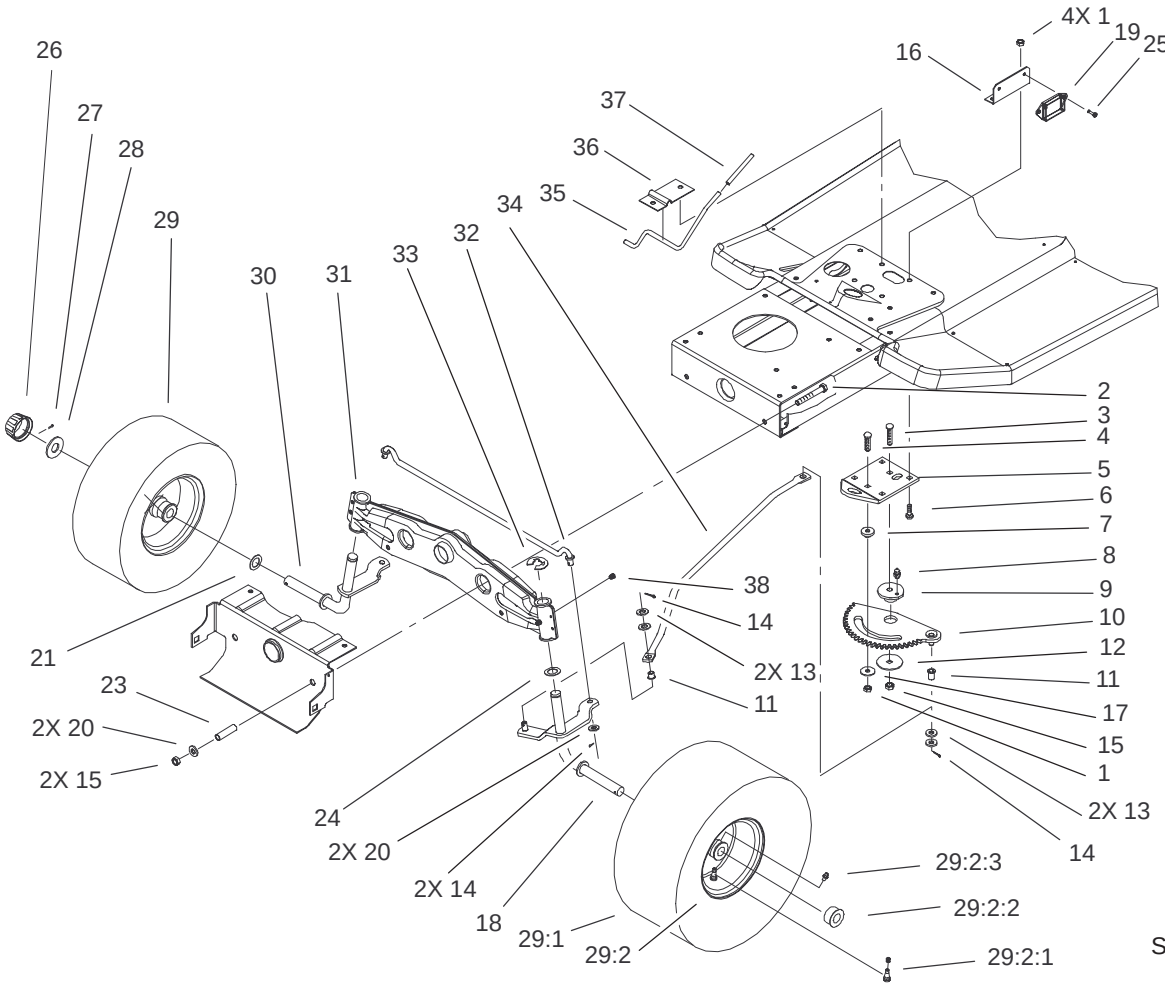
Sheet No.:5

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 (only on: 71223)
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

Ref. No.	Part No.	Qty.	Description
25	9266714	2	Screw–HWH
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: 71226)
29		2	Wheel&tire ASM,Front (only on: 71223)
29:1	99–2988	1	Tire
29:2	88–4370	1	15” Rim ASM (only on: 71223)
29:2	99–6829	1	Rim ASM–Welded (only on: 71226)
29:2:1	232–27	1	Stem–Valve
29:2:2	110513	2	Bearing–Wheel (only on: 71226)
29:2:2	88–4400	2	Bearing – Wheel (only on: 71223)
29:2:3	302–5	1	Fitting – Grease
*	232–39	1	Tube (only on: 71226)
*	232–39	1	Tube (only on: 71223)
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

* Not illustrated

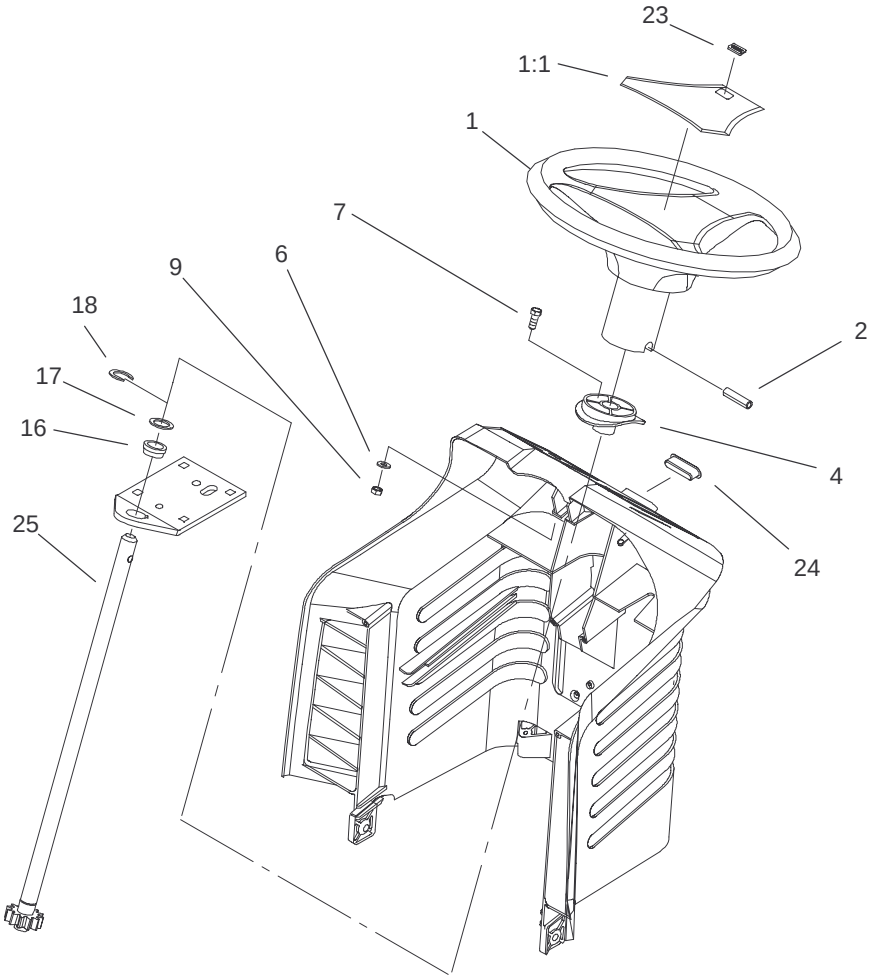


Sheet No.:5

Steering Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
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 – Grease

Ref. No.	Part No.	Qty.	Description

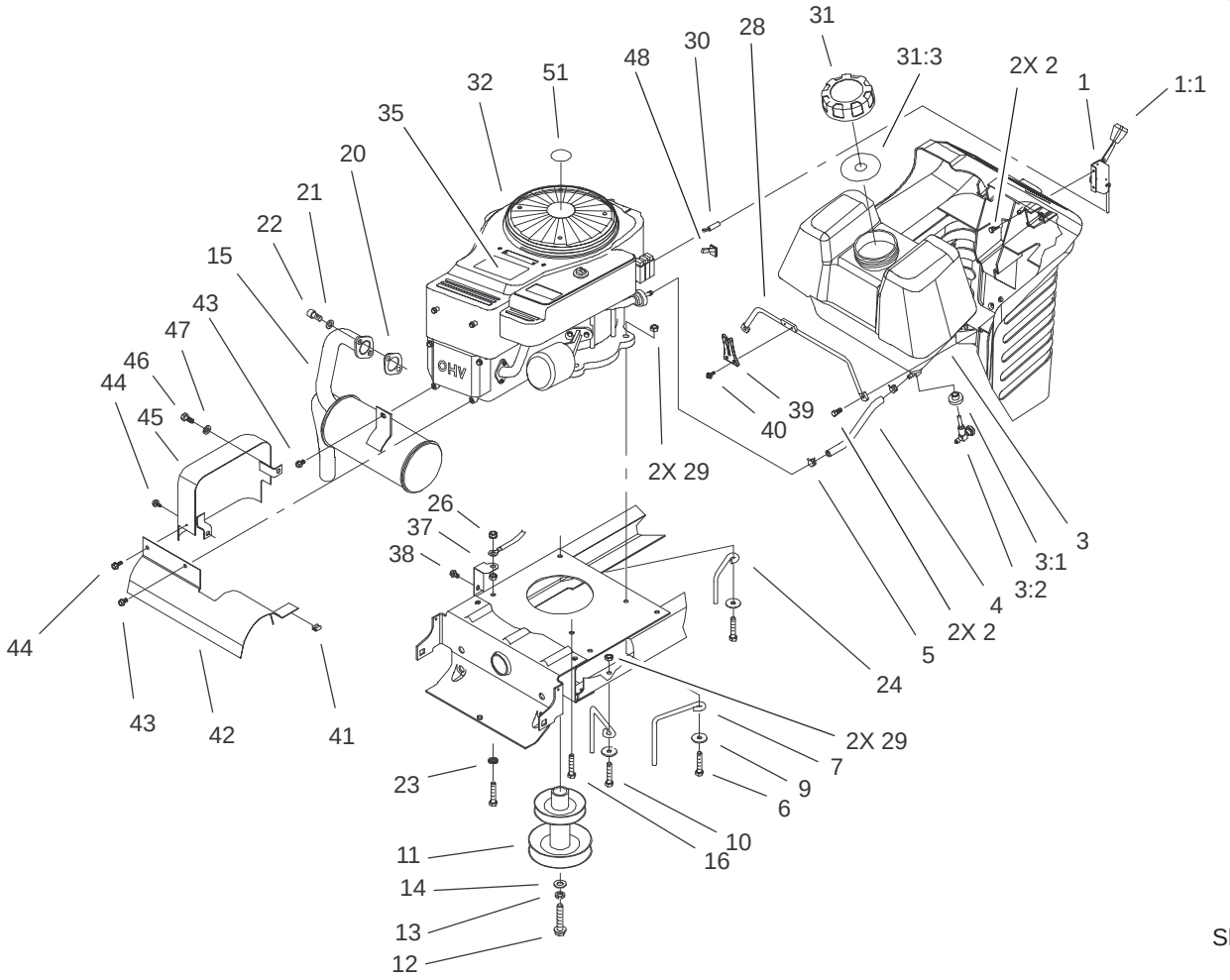


Sheet No.:7

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



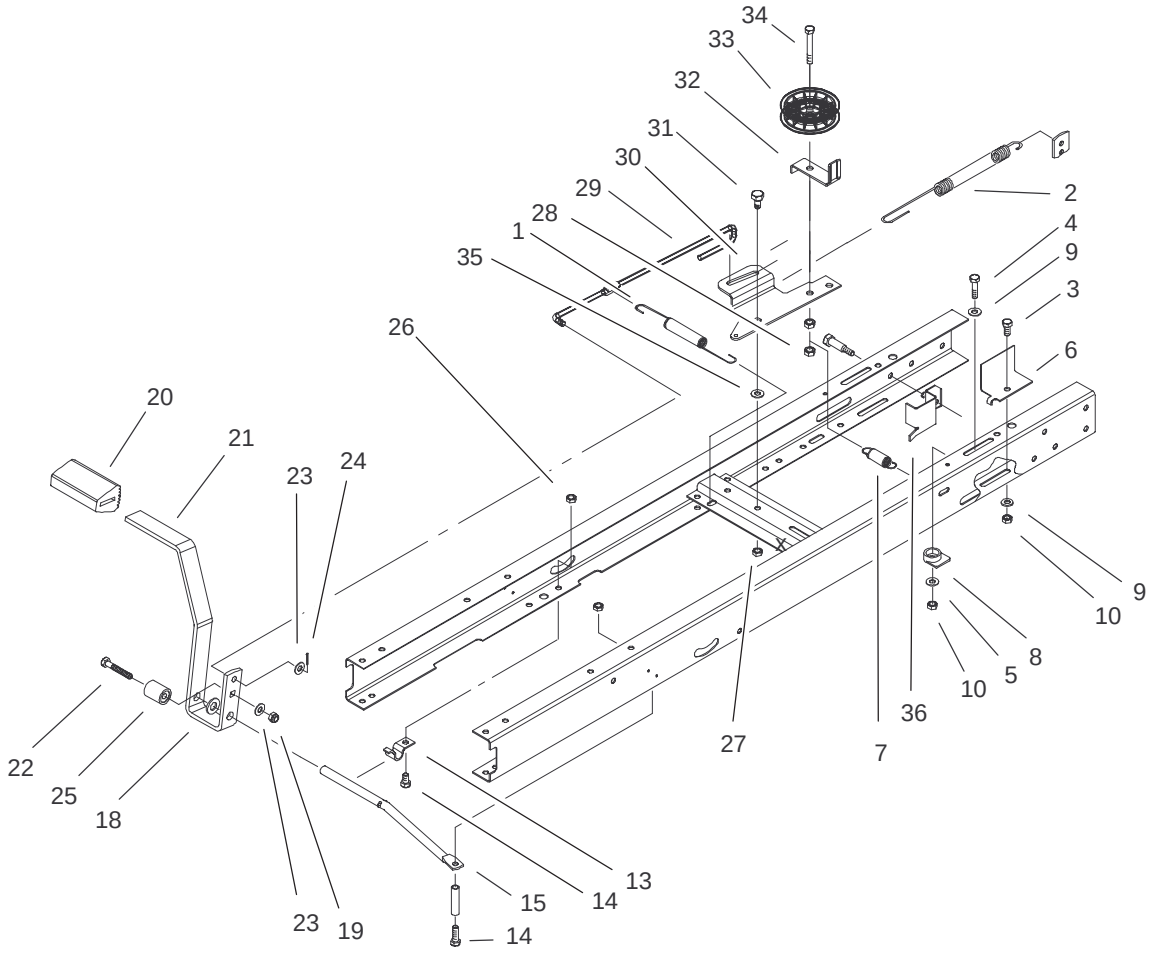
Sheet No.:8

Engine 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/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

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–Gas Cap
☆32		1	Engine–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–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
48	88–4490	1	Reducer–Throttle Rpm (only on: 71226)
51	99–6842	1	Decal–Logo

☆ Not serviced

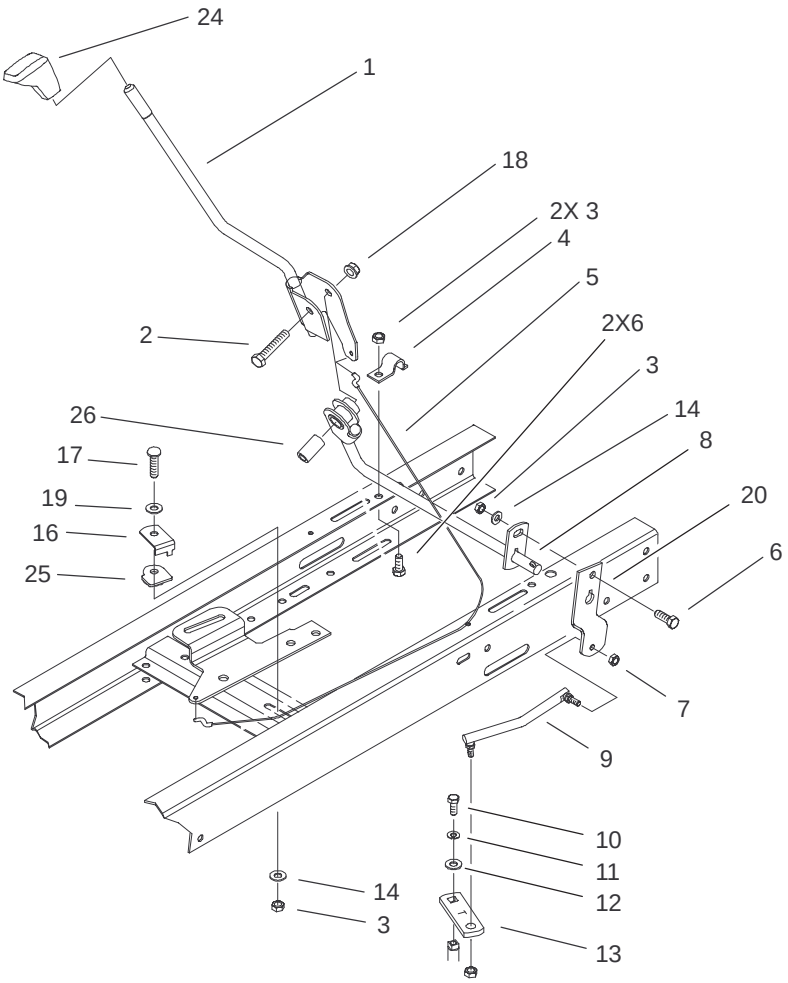


Sheet No.:9

Traction Clutching Assembly

Ref. No.	Part No.	Qty.	Description
1	27–8890	1	Spring–Return
2	94–4294	1	Spring – Brake
3	322–3	1	Screw–HH
4	322–6	1	Screw–HH
5	5–4460	1	Washer–Pivot
6	94–5433	1	Bracket – Belt Guide
7	88–6330	1	Spring – Extension
8	84–5610	1	Guide–Cable
9	3256–23	2	Washer–Flat
10	3296–29	2	Nut–Lock
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

Ref. No.	Part No.	Qty.	Description
31	37–8770	1	Bolt–Shoulder
32	88–5560	1	Guide–Idler Belt
33	104–4160	1	Pulley–Idler
34	323–10	1	Screw–HH
35	5–4460	1	Washer–Pivot
36	94–4926	1	Bracket – Belt Guide

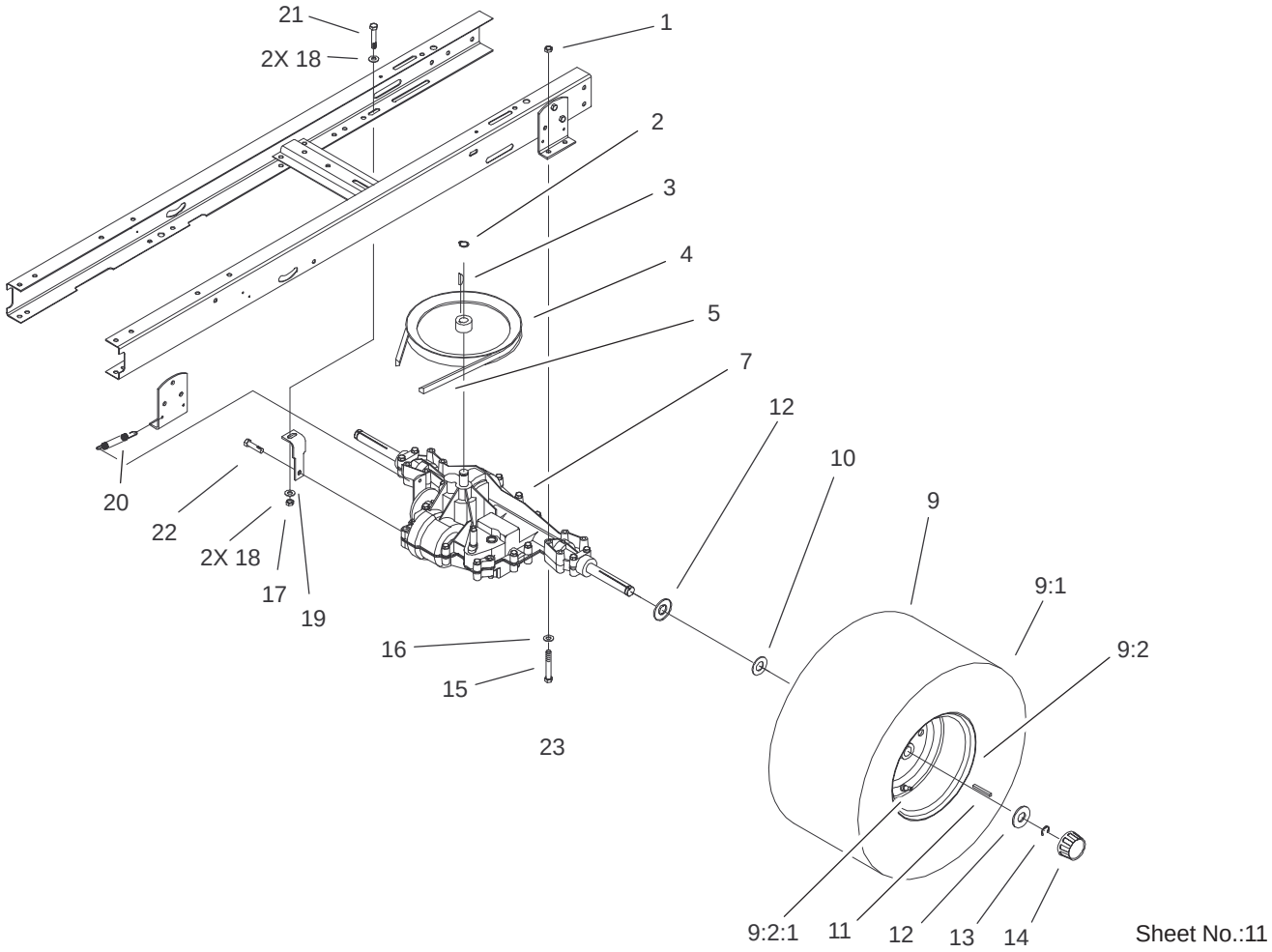


Sheet No.:10

Shifting Assembly

Ref. No.	Part No.	Qty.	Description
1	94–1991–03	1	Wa–Shift Lever
2	323–10	1	Screw–HH
3	3296–29	4	Nut–Lock
4	88–4810	2	Clamp–Shift Pivot
5	55–9321	1	Cable–Clutch
6	322–3	3	Screw–HH
7	3296–3	2	Nut–Lock NI
8	94–1993–10	1	Wa–Shift Pivot
9	94–5431	1	Link – Shift
10	329–23	1	Screw–HH
11	3253–3	1	Washer–Lock/Sp
12	7–5461	1	Spacer
13	88–5340	1	Lever–Shift
14	3256–23	2	Washer–Flat
16	88–5930	1	Keeper–Cable
17	3230–3	1	Screw–CARR
18	3296–39	1	Nut–Lock, NI
19	3256–25	1	Washer–Flat
20	94–1968	1	Lever–Shift Pivot
24	94–5565	1	Knob – Shift
25	84–5610	1	Guide–Cable
26	94–1997	1	Bushing – Shift Lever

Ref. No.	Part No.	Qty.	Description

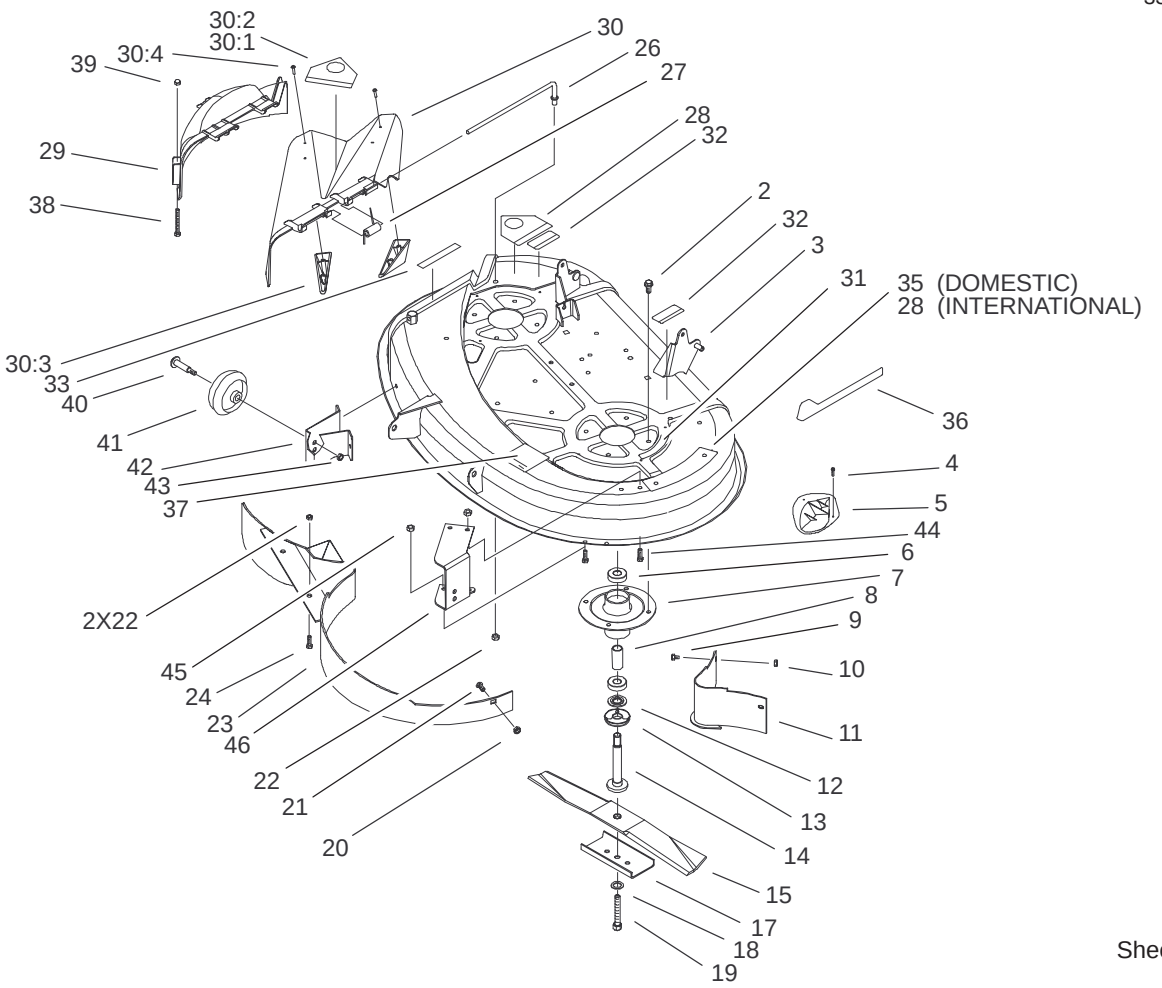


5 Speed Transaxle Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–29	4	Nut–Lock
2	32120–64	1	Ring–Snap, External
3	3257–23	1	Key–Woodruff
4	88–4840	1	Pulley – Transmission
5	88–6270	1	V–Belt
7	94–6022	1	Transaxle
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	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
17	3296–29	2	Nut–Lock
18	3256–23	4	Washer–Flat
19	94–1969	2	Strap – Torque
20	26–6701	1	Spring–Brake Return
21	322–3	2	Screw–HH
22	32144–14	2	Screw–HWH

Ref. No.	Part No.	Qty.	Description

* Not illustrated

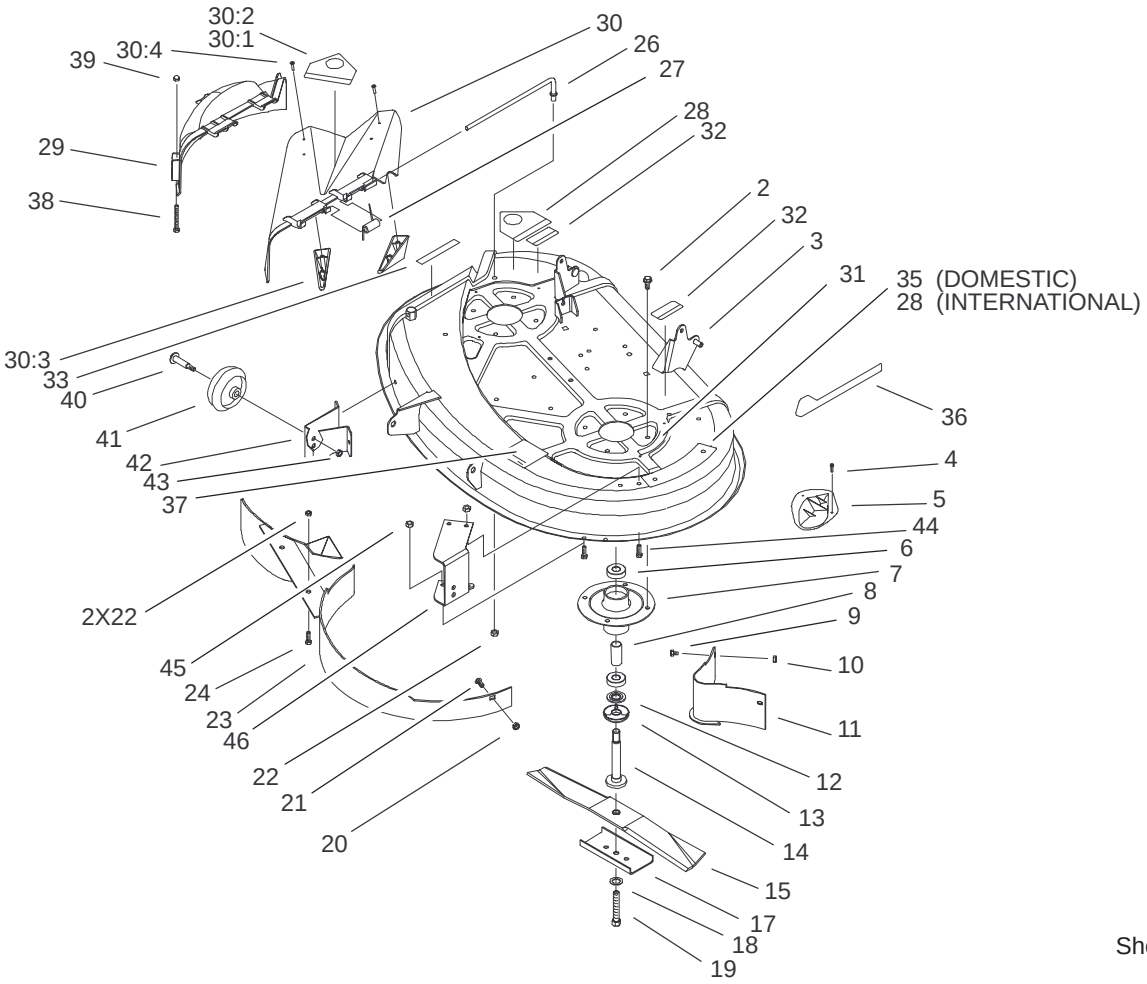


Sheet No.:16

38” Deck Assembly

Ref. No.	Part No.	Qty.	Description
2	32144–41	8	Screw–Taptite
3	99–5846	1	Deck ASM–Service (only on: 71223)
3	99–5847	1	Deck ASM–Service,Intl (only on: 71226)
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
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

Ref. No.	Part No.	Qty.	Description
26	95–1661	1	Rod – Pivot
27	57–6950	1	Spring
28	93–1122	1	Decal–Danger (only on: 71223)
28	93–7010	2	Decal – Danger (only on: 71226)
29	88–4430	1	Recycler Cover
30	93–7695	1	Deflector ASM (only on: 71226)
30	93–0317	1	Deflector ASM – 38” (only on: 71223)
30:1	93–7010	1	Decal – Danger (only on: 71226)
30:2	93–1122	1	Decal–Danger (only on: 71223)
30:3	93–7696	2	Kicker (only on: 71226)
30:4	93–0231	4	Screw – PPH (only on: 71226)
31	68–3660	1	Decal–Shield Danger (only on: 71223)
31	93–6677	1	Decal – Shield Danger (only on: 71226)
32	55–4300	2	Decal (only on: 71223)

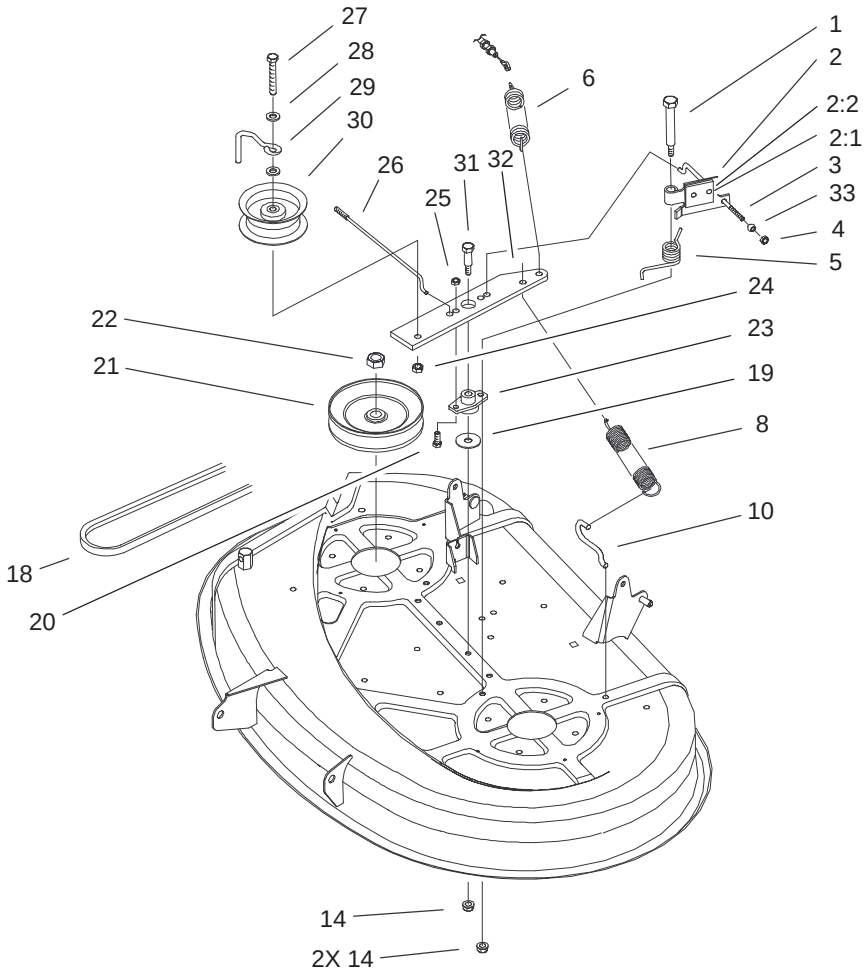


Sheet No.:16

38” Deck Assembly (cont.)

Ref. No.	Part No.	Qty.	Description
32	93–6674	2	Decal –, Warning (only on: 71226)
33	93–7009	1	Decal–Danger (only on: 71226)
33	68–3650	1	Decal–Deflector Danger (only on: 71223)
35	79–3140	1	Decal–Danger (only on: 71223)
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
40	56–6591	2	Bolt–Wheel (only on: 71226)
41	701756	2	Wheel–Gage (only on: 71226)
42	88–5740–03	1	RH Whl Deck Brkt (only on: 71226)
43	3296–39	2	Nut–Lock, NI (only on: 71226)
44	322–3	6	Screw–HH (only on: 71226)
45	3296–29	6	Nut–Lock (only on: 71226)

Ref. No.	Part No.	Qty.	Description
46	93–3896–03	1	Brkt,LH Deckwheel (only on: 71226)

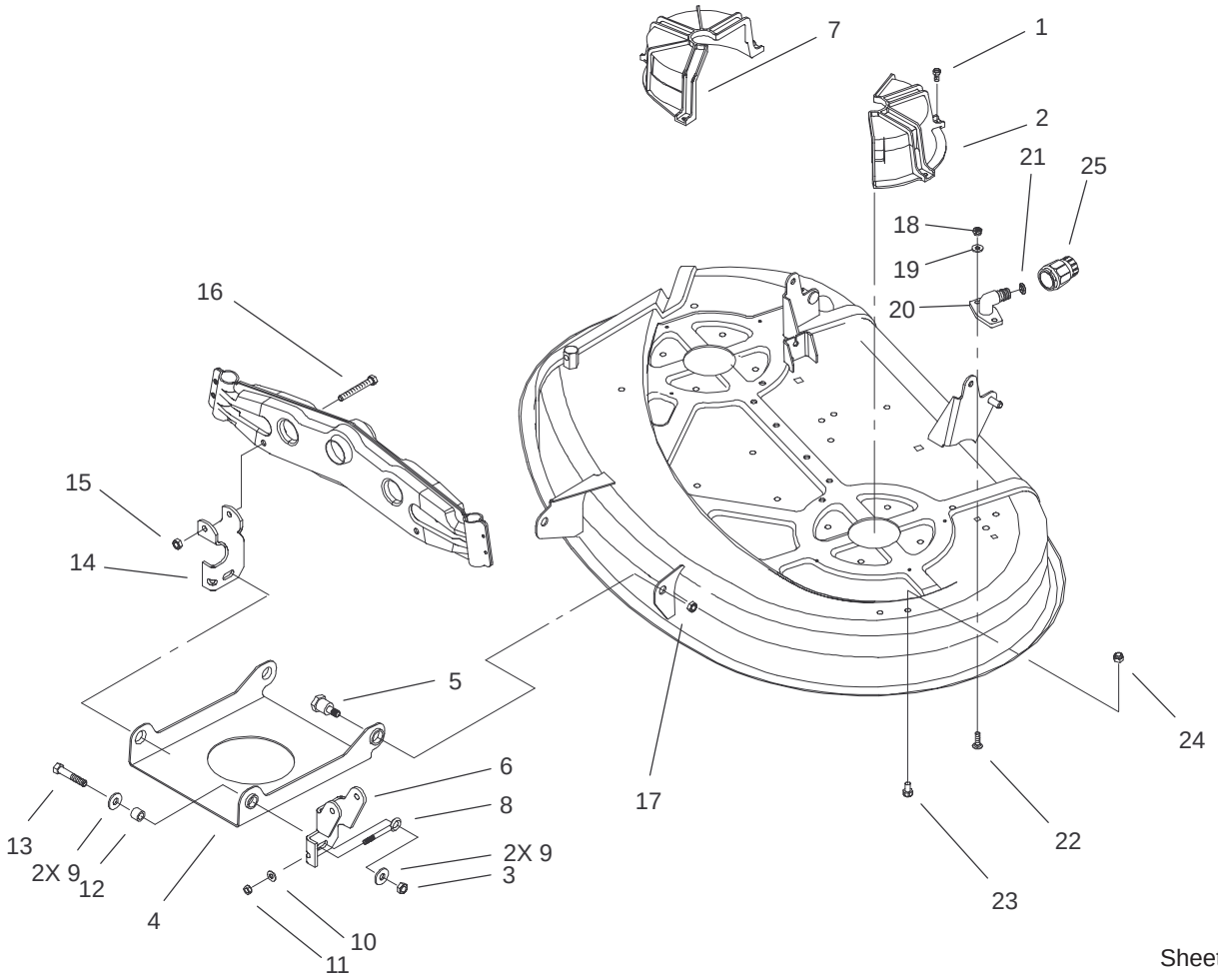


Sheet No.:17

38” Deck Blade Drive & Brake 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
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

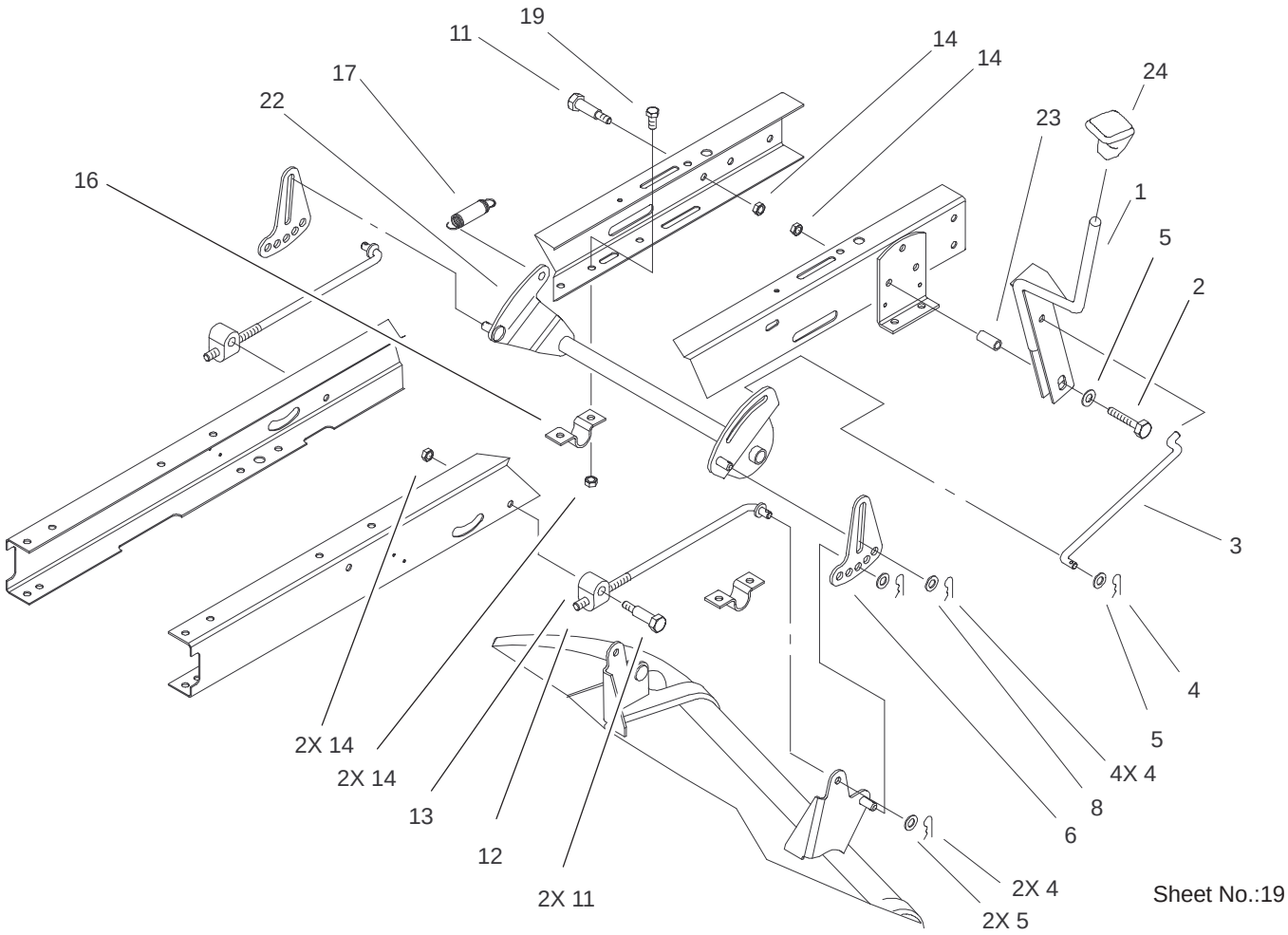


Sheet No.:18

38” Deck Engagement 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
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: 71223)

Ref. No.	Part No.	Qty.	Description
24	3296–29	2	Nut–Lock (only on: 71223)
25	95–3270	1	Connector–Hose (only on: 71223)

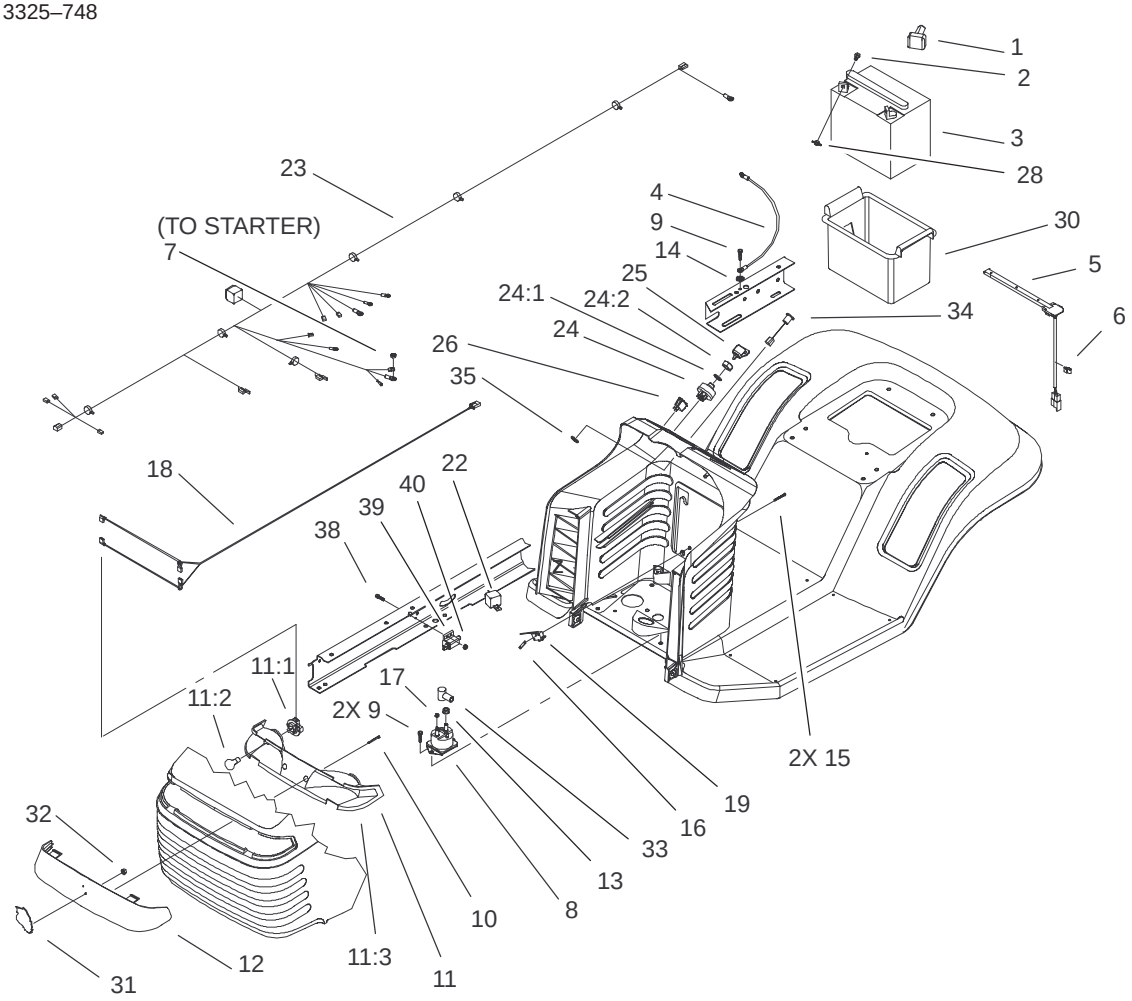


Sheet No.:19

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

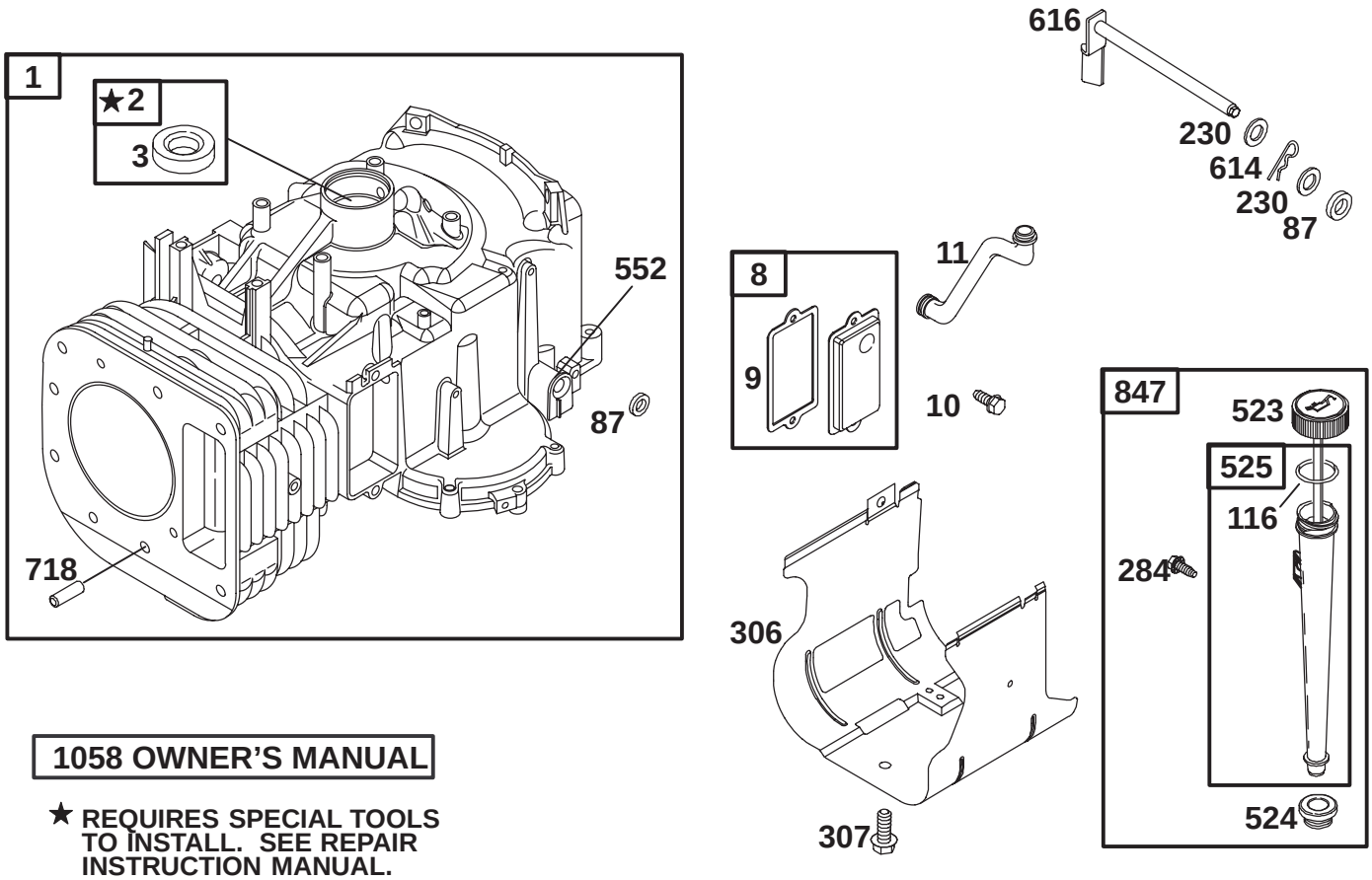


Sheet No.:20

Electrical Assembly

Ref. No.	Part No.	Qty.	Description
1	28–8080	1	Boot–Terminal
2	321–4	2	Screw–HH
3	104–1755	1	Battery–155 Cca
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	Nut–Keps
18	99–1935	1	Harness–Headlight
19	88–9932	1	Switch–Micro
22	98–7249	1	Relay–Speedometer
23	99–6841	1	Harness–Wire, Gear
24	88–9830	1	Switch–Ignition
24:1	3254–5	1	Washer–Lock/Internal

Ref. No.	Part No.	Qty.	Description
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



1058 OWNER'S MANUAL

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

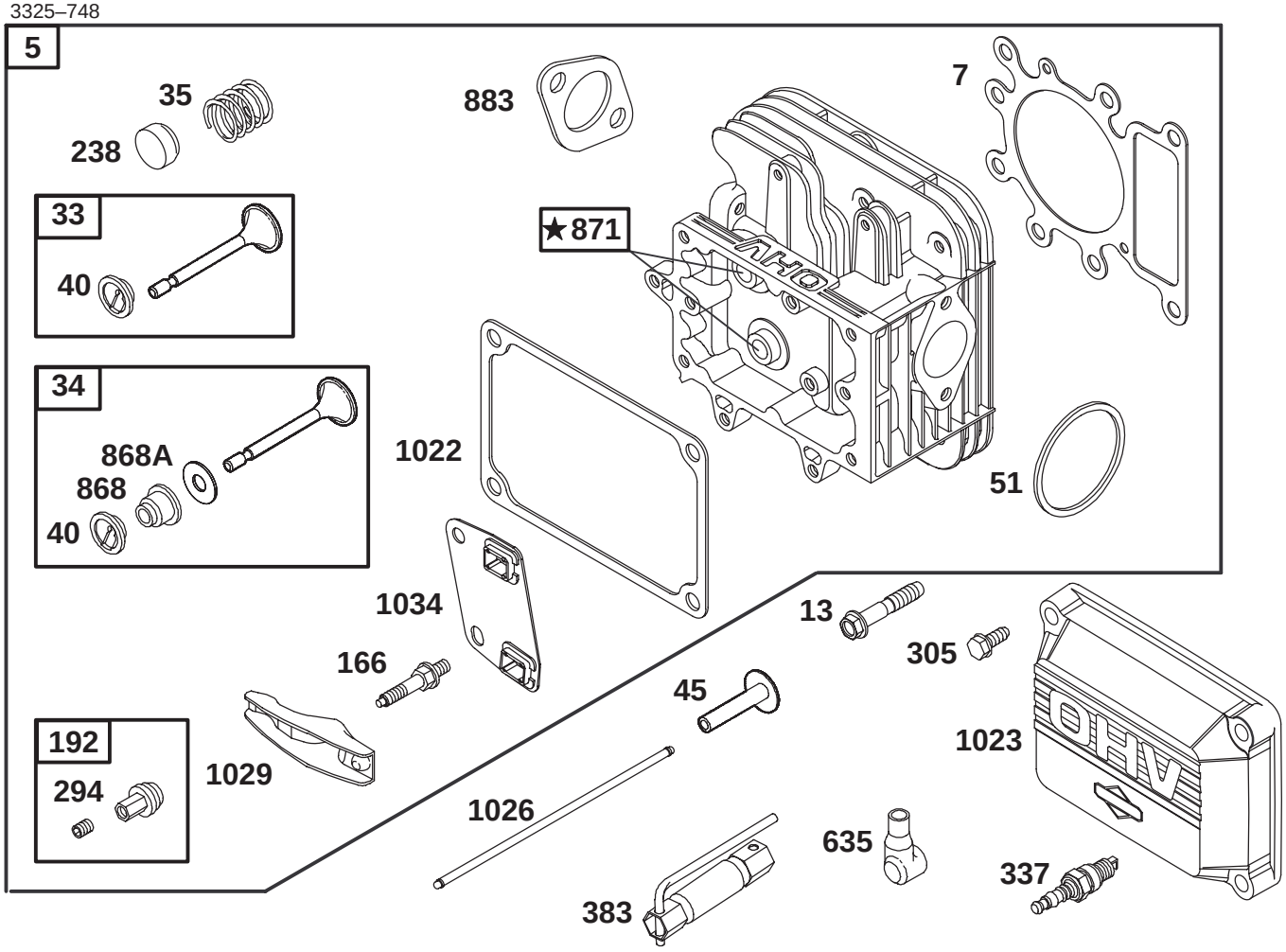
Assemblies include all parts shown in frames.

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,
		1	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

★ Included in Gasket Set–Part No. 495993

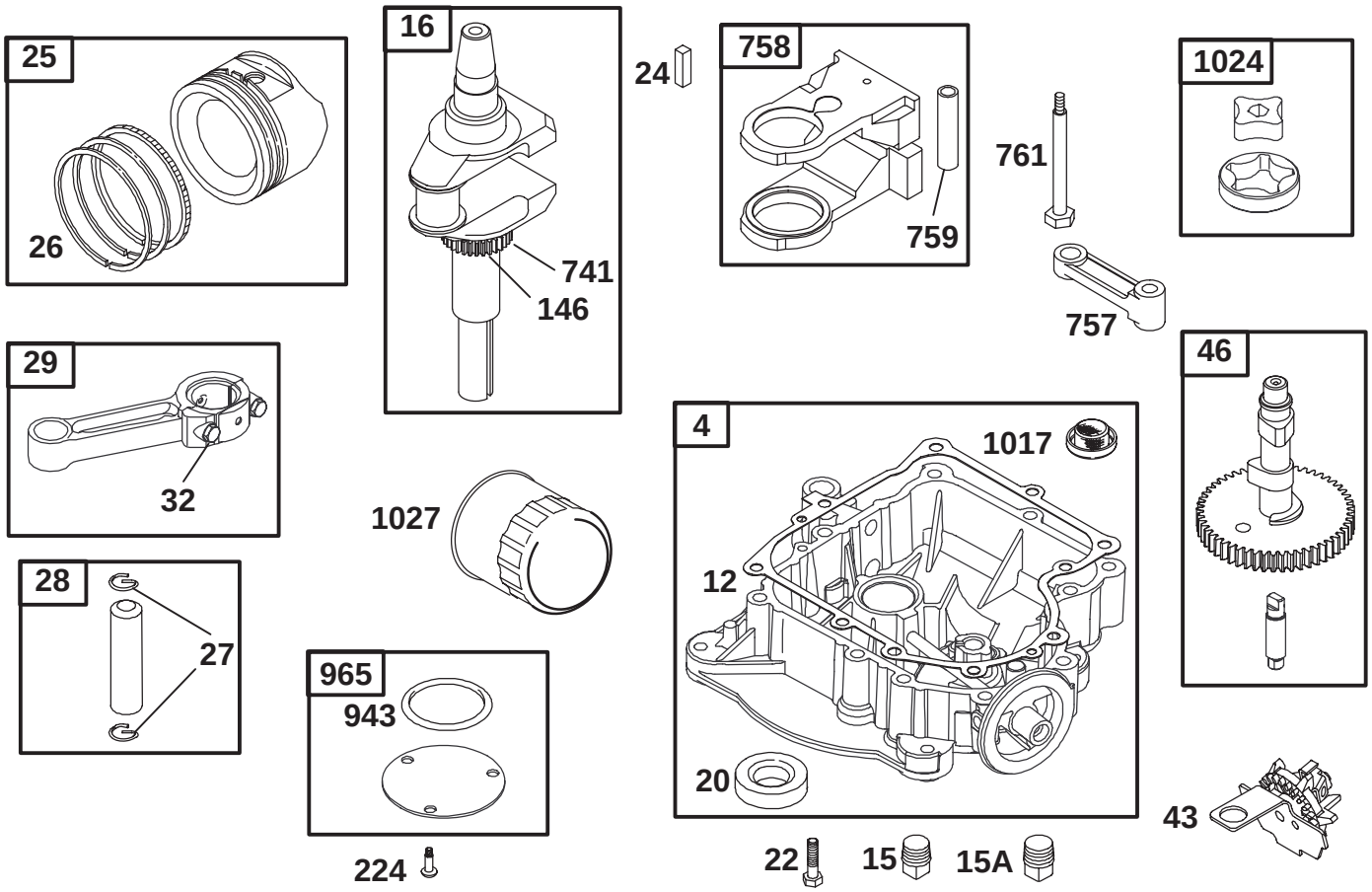


Engine Briggs & Stratton Model 28Q777–0690–E1

Ref. No.	Part No.	Qty.	Description
5	691165	1	Head–Cylinder
Δ★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
Δ★868	499236	1	Seal–Valve
868A	272610	1	Seal–Valve
871	262835		Bushing–Guide
		1	(Intake and Exhaust)
Δ★883	272293	1	Gasket–Exhaust
Δ★1022	272475	1	Gasket–Rocker Cover
1023	214314	1	Cover–Rocker
1026	494432	1	Rod–Push (Intake)
			Note: 495136

Ref. No.	Part No.	Qty.	Description
			Rod–Push
		1	(Exhaust)
1029	224554	1	Arm–Rocker
1034	495248	1	Guide–Push Rod

★ Included in Gasket Set–Part No. 495993. Δ Included in Valve Overhaul Kit–Part No. 495992.

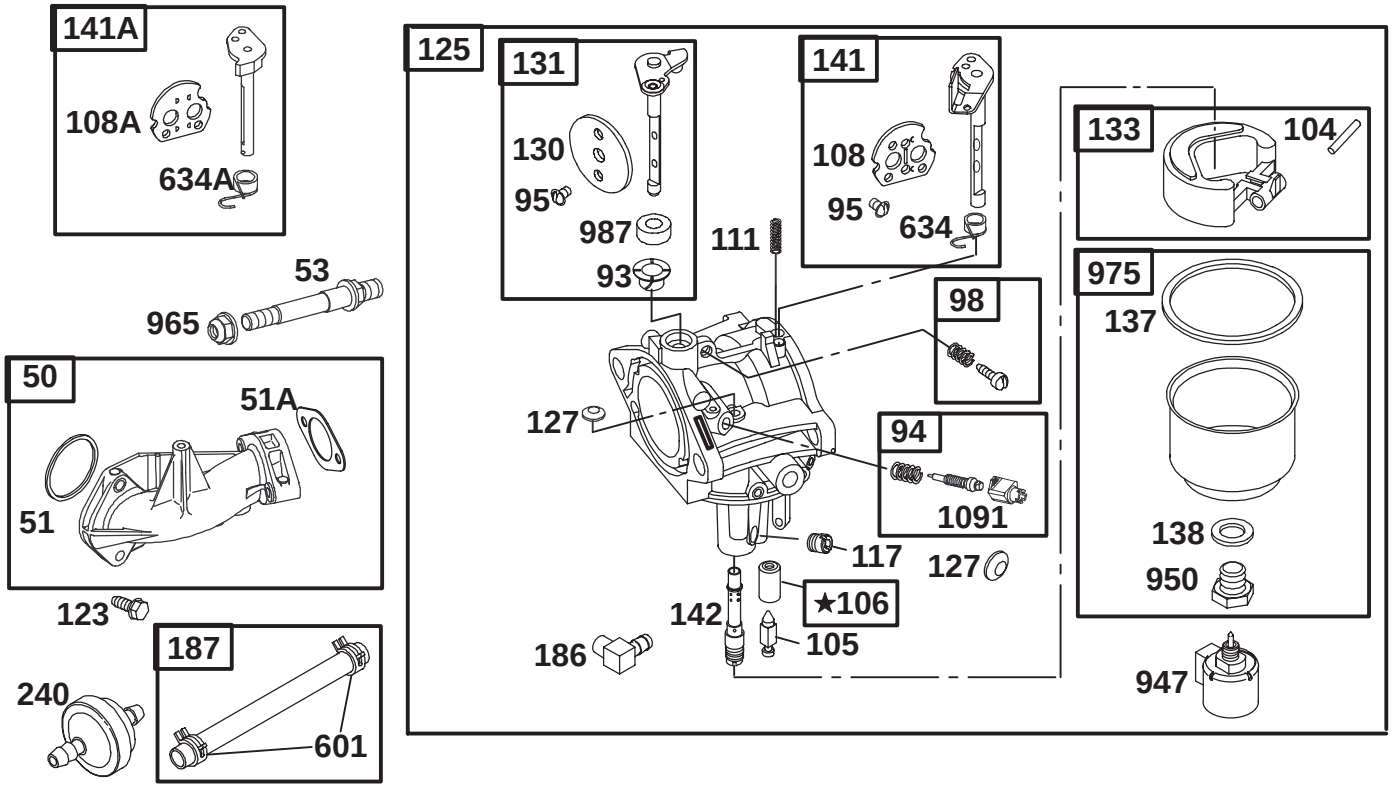


Engine Briggs & Stratton Model 28Q777–0690–E1

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

★ Included in Gasket Set–Part No. 495993.



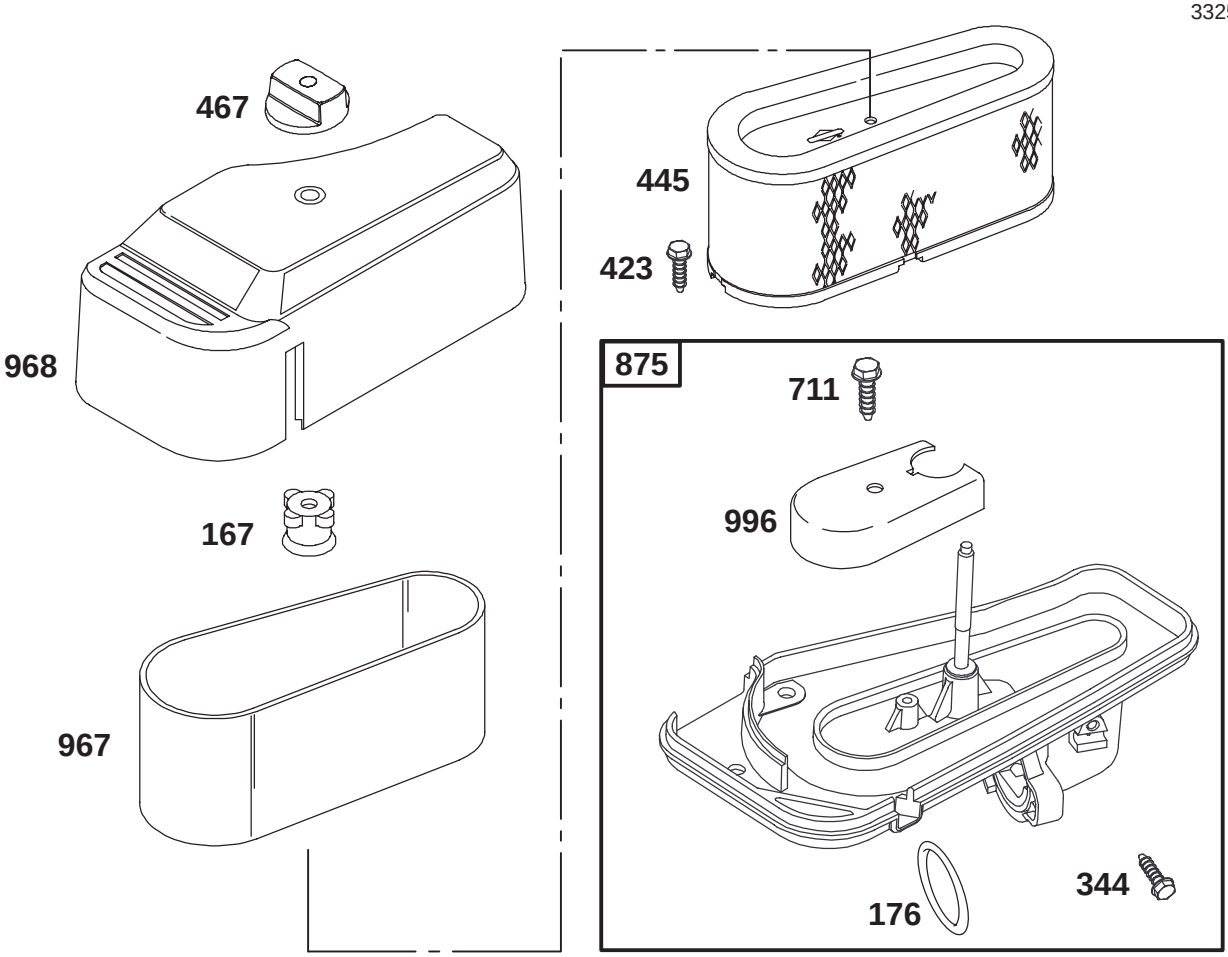
★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.** Assemblies include all parts shown in frames.

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

Ref. No.	Part No.	Qty.	Description
●◆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

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



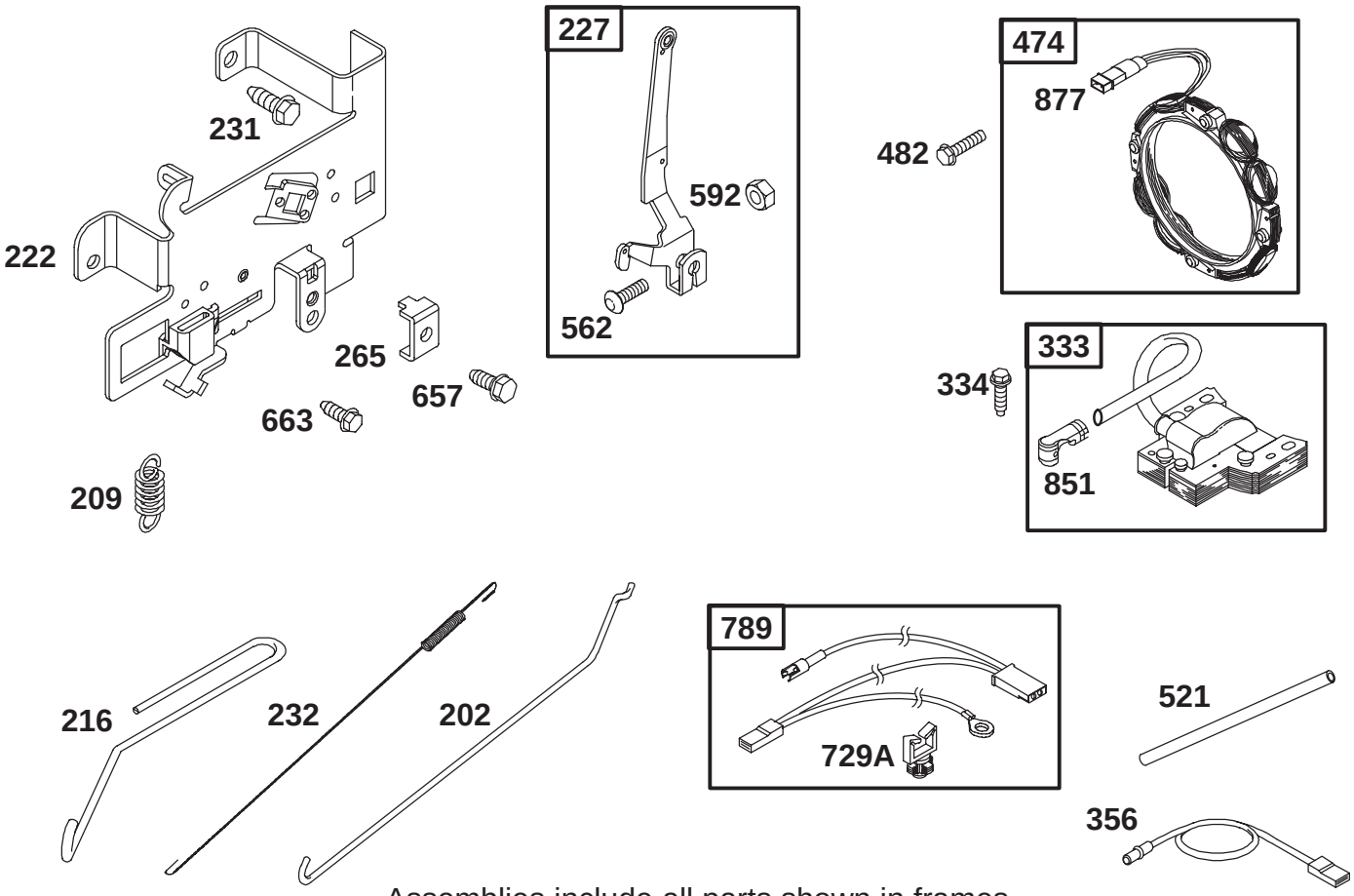
Assemblies include all parts shown in frames.

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.

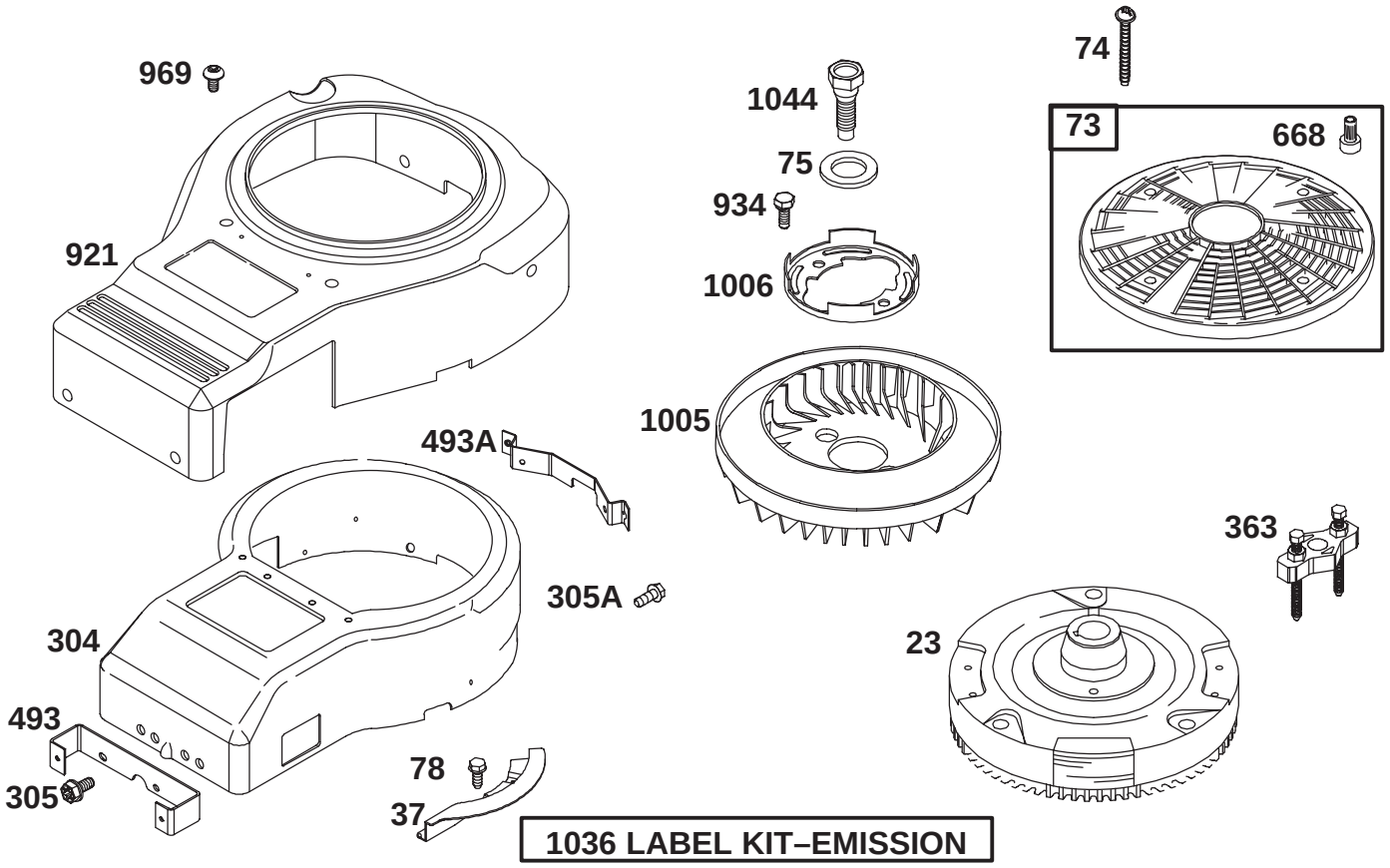


Assemblies include all parts shown in frames.

Engine Briggs & Stratton Model 28Q777–0690–E1

Ref. No.	Part No.	Qty.	Description
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

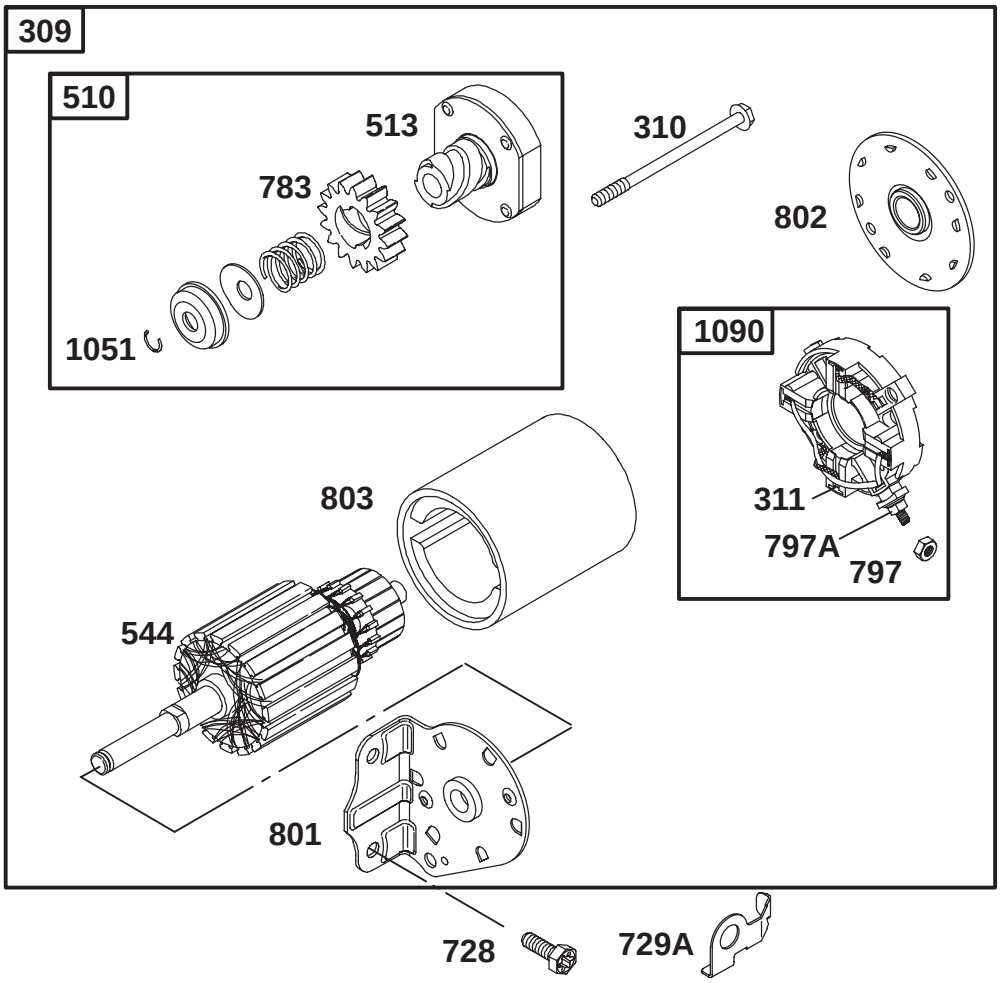


Assemblies include all parts shown in frames.

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)

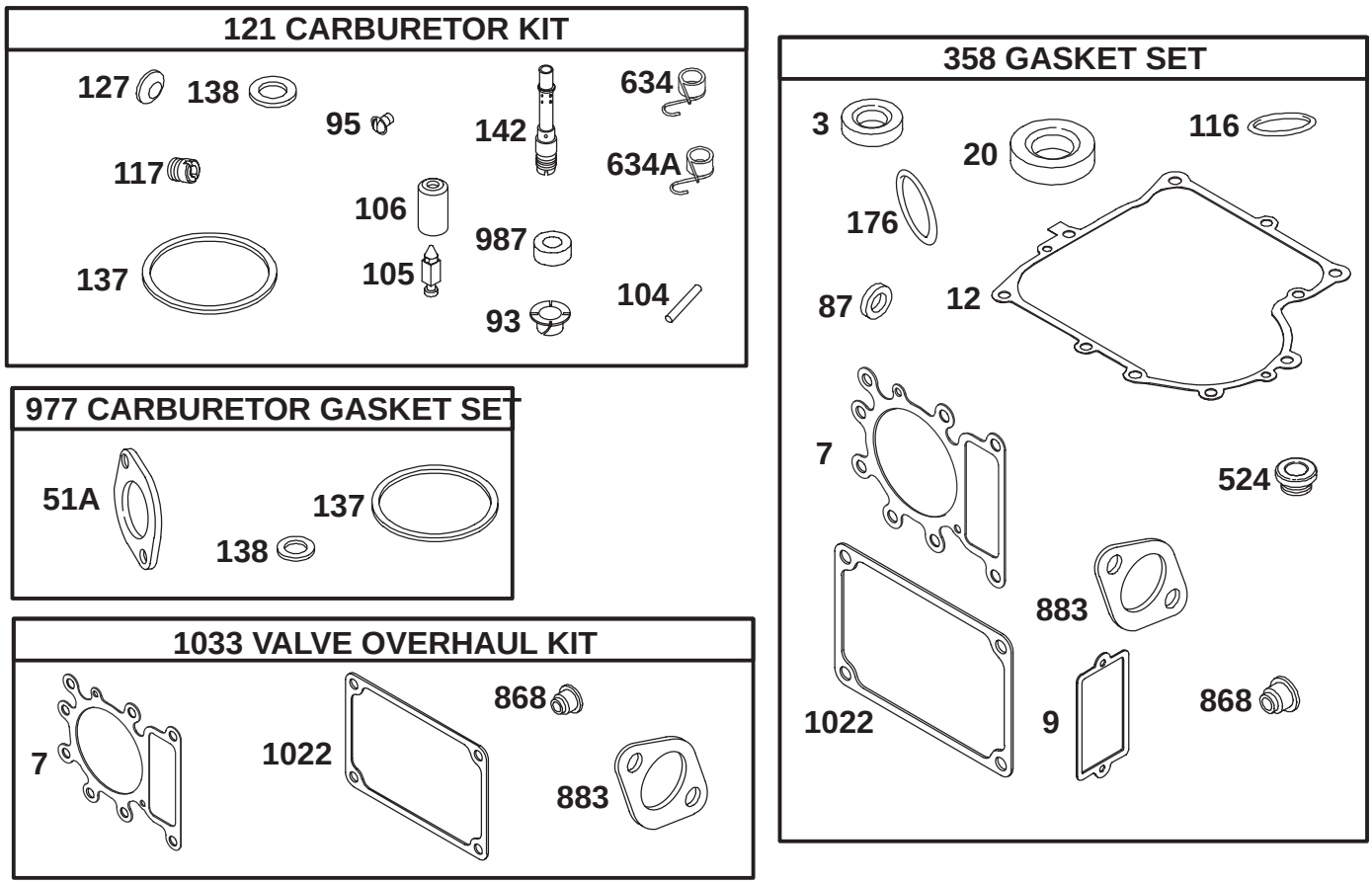
Ref. No.	Part No.	Qty.	Description



Engine Briggs & Stratton Model 28Q777–0690–E1

Ref. No.	Part No.	Qty.	Description
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



Assemblies include all parts shown in frames.

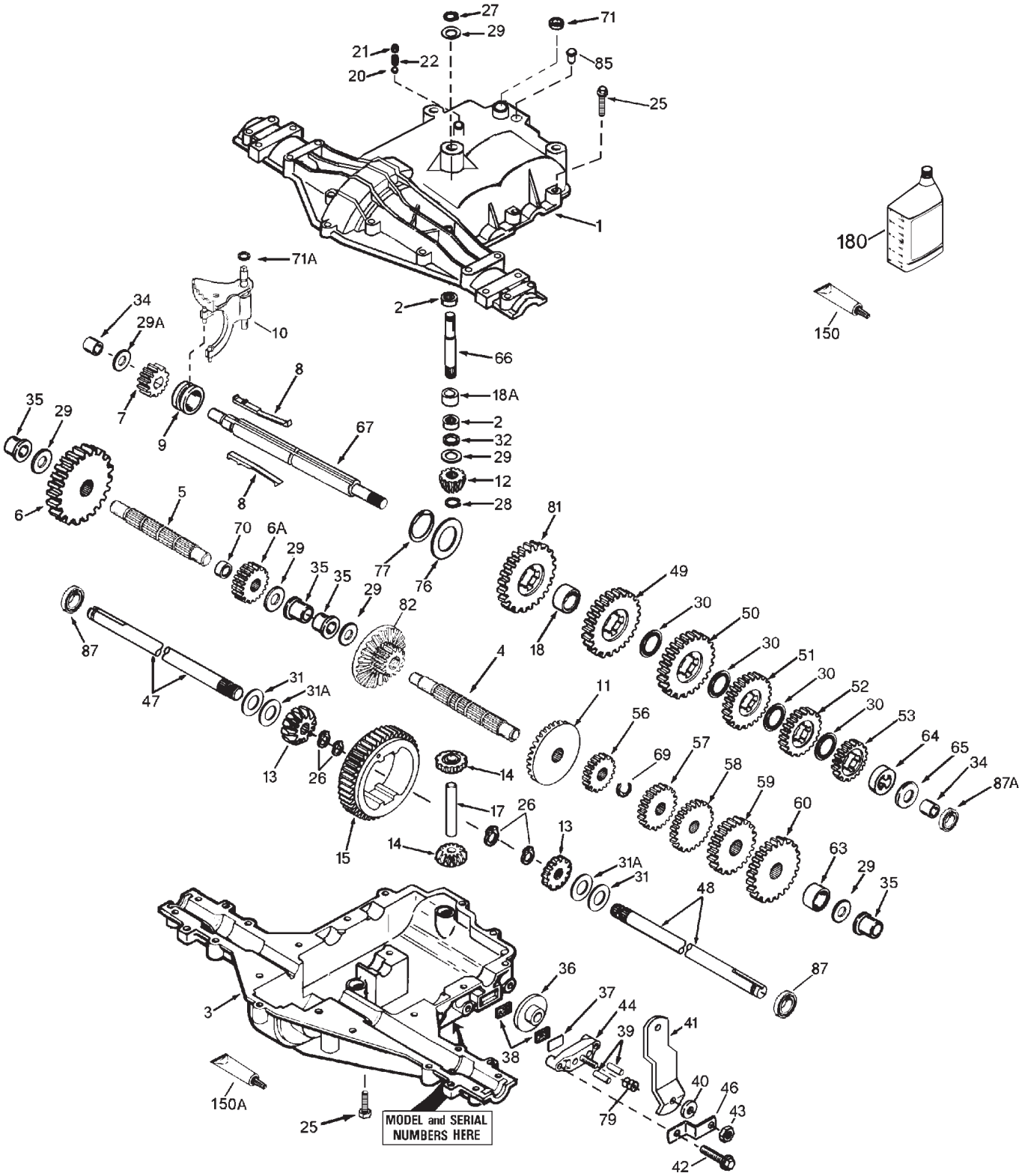
Engine Briggs & Stratton Model 28Q777–0690–E1

Ref. No.	Part No.	Qty.	Description
★3	391086	1	Seal–Oil
Δ★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
Δ★868	494435	1	Seal–Valve
Δ★883	272293	1	Gasket–Exhaust
977	690192	1	Carburetor Gasket Set
●987	281166	1	Seal–Throttle Shaft
Δ★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. Δ Included in Valve Overhaul Kit–Part No. 495992.

PEERLESS TRANSAXLE MODEL MST 205–509

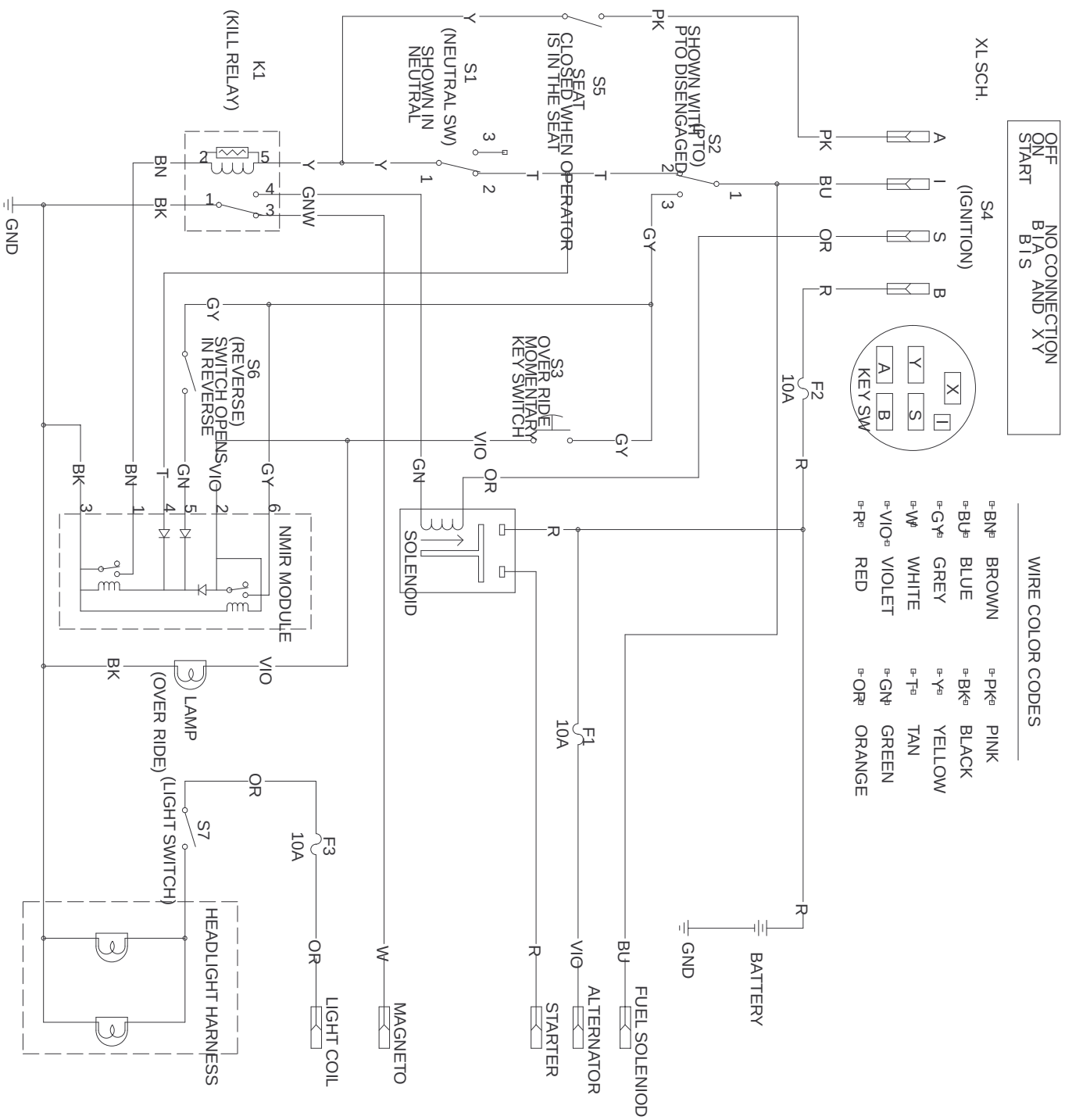


Peerless Transaxle Model MST 205–509

Ref. No.	Part No.	Qty.	Description
1	772137	1	Transaxle Cover
2	780086A	2	Needle Bearing
3	770123	1	Transaxle Case
4	776395	1	Countershaft
5	776397	1	Output Shaft
6	778331	1	Spur Gear (38 teeth)
6A	778332	1	Spur Gear (15 teeth–steel)
7	778330	1	Spur Gear (11 teeth–steel)
8	792136A	2	Shift Key
9	784352	1	Shift Collar
10	784378	1	Shift Rod & Fork
11	778334	1	Bevel Gear (30 teeth)
12	778309	1	Input Bevel Pinion (13 teeth)
13	778327		Bevel Gear (16 teeth–steel)
		2	(Incl. 14)
14	778327		Bevel Gear (16 teeth–steel)
		2	(Incl. 13)
15	778312A	1	Ring Gear (43 teeth)
17	786139	1	Drive Pin
18	786102	1	Spacer
18A	786175	1	Spacer
20	792077	1	Ball 5/16” dia
21	792078	1	Set Screw
22	792079	1	Spring
25	792073	18	Screw
26	792125	4	Retaining Ring (pkg of 2)
27	792035	1	Retaining Ring
28	788040	1	Retaining Ring
29	780072	6	Washer
29A	780160	1	Washer
30	780108	4	Washer
31	780001		Washer (.056 wide)
		2	(USE AS NEEDED)
31A	780195	2	Flat Washer (.062 wide)
32	788083	1	Oil Seal
34	780194	2	Bushing
35	780193	4	Flanged Bushing
36	790075	1	Brake Disk
37	790007	1	Brake Pad Plate
38	799021	2	Brake Pad (pkg of 2)
39	786026	2	Dowel Pin
40	792076A	1	Flat Washer

Ref. No.	Part No.	Qty.	Description
41	790080	1	Brake Lever
42	792073	2	Screw
43	792075	1	Locknut
44	790025	1	Brake Pad Holder
46	786086	1	Brake Lever Bracket
47	774690	1	Axle (11–15/16” long)
48	774691	1	Axle (16–1/2” long)
49	778356	1	Spur Gear (29 teeth–steel)
50	778354	1	Spur Gear (23 teeth–steel)
51	778344	1	Spur Gear (20 teeth)
52	778350	1	Spur Gear (16 teeth–steel)
53	778346	1	Spur Gear (15 teeth–steel)
56	778355	1	Spur Gear (11 teeth–steel)
57	778353	1	Spur Gear (17 teeth–steel)
58	778343	1	Spur Gear (20 teeth)
59	778349	1	Spur Gear (24 teeth–steel)
60	778345	1	Spur Gear (25 teeth)
63	786071	1	Countershaft Spacer
64	786072	1	Brake Shaft Spacer
65	780189	1	Washer
66	776394	1	Input Shaft
67	776396	1	Shifter & Brake Shaft
69	792170	1	Retaining Ring
70	786172	1	Spacer
71	788069	1	Square Cut Ring
71A	788092	1	”O” Ring
76	780090	1	Washer
77	788078A	1	Inverted Retaining Ring
79	792144	1	Spring
81	778338	1	Spur Gear (27 teeth)
82	778333		Bevel & Spur Gear
		1	(30 & 13 teeth)
85	792154	1	Pipe Plug
87	788088	2	Oil Seal
87A	788089	1	Oil Seal
150	788093	1	Liquid Gasket RTV Silicone
150A	788094	1	Liquid Gasket Loctite #242
180	730229A	1	Gear Oil 80W90

Wiring Schematic



Sheet No.:
T–xxxx

Maintenance Record

Date								


TORO®