



# Wheel Horse®

## 16–38H Lawn Tractor

Model No. 77104–200000001 and Up

## Parts Catalog

### Ordering Replacement Parts

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

### Understanding Reference Numbers

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

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

### Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

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

Reference numbers of this type appear in illustrations and in part lists.

### Reference Numbers Indicating Quantity

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

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

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## Accessories

| Description                              | Model / Part No.     |
|------------------------------------------|----------------------|
| Easy Empty Bagging Kit ..                | Model 79116 or 79117 |
| Twin Bagger Kit .....                    | Model 79101 or 79103 |
| Recycler Kit (Std. on both Models) ...   | Model 79170          |
| Hi–Sail Bagging Blade<br>(Std. on 71241) |                      |
| (Optional on 71225) .....                | Part No. 57–4700     |
| Tire Chains .....                        | Part No. 11–0430     |

| Description                                  | Model / Part No. |
|----------------------------------------------|------------------|
| Headlight Kit<br>(Std. on both Models) ..... | Model 79180      |
| 42" (106.7cm) Snowblade Kit .....            | Model 79150      |
| Wheel Weight Kit .....                       | Model 59159      |
| Anti–Scalp Kit<br>(Std. on 71241)            |                  |
| (Optional on 71221) .....                    | Model 79182      |

## Part Description Abbreviations

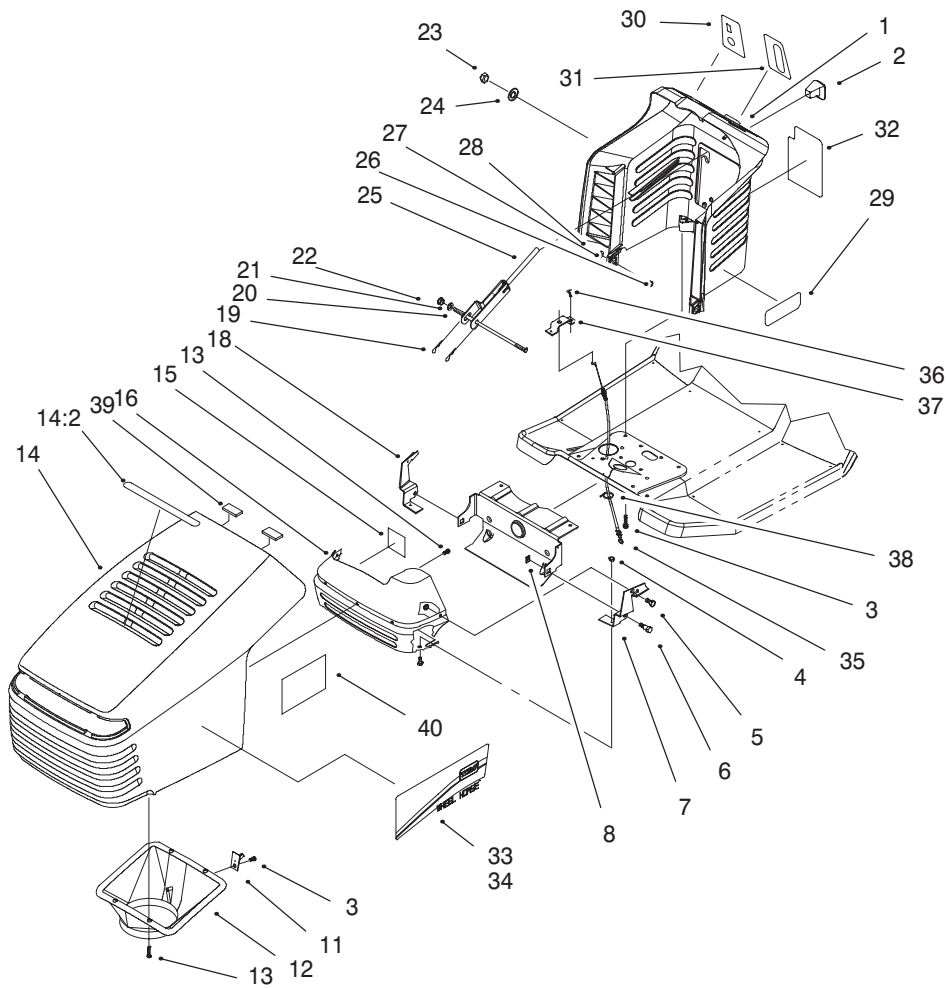
Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning                           |
|--------------|-----------------------------------|
| AR .....     | as required                       |
| ASM .....    | assembly                          |
| CARR .....   | carriage                          |
| DEG .....    | degrees                           |
| FH .....     | flat head                         |
| GA .....     | gauge                             |
| HF .....     | hex flange                        |
| HH .....     | hex head                          |
| HHF .....    | hex head flange                   |
| HLH .....    | hex lag head                      |
| HJ .....     | hex jam                           |
| HOC .....    | height-of-cut                     |
| HS .....     | hex socket                        |
| HSBH .....   | hex socket button head            |
| HSFH .....   | hex socket flat head              |
| HSH .....    | hex socket head                   |
| HWH .....    | hex washer head                   |
| HWHTF .....  | hex washer head<br>thread forming |

| Abbreviation | Meaning                 |
|--------------|-------------------------|
| 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               |

## Frame & Body Assembly

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

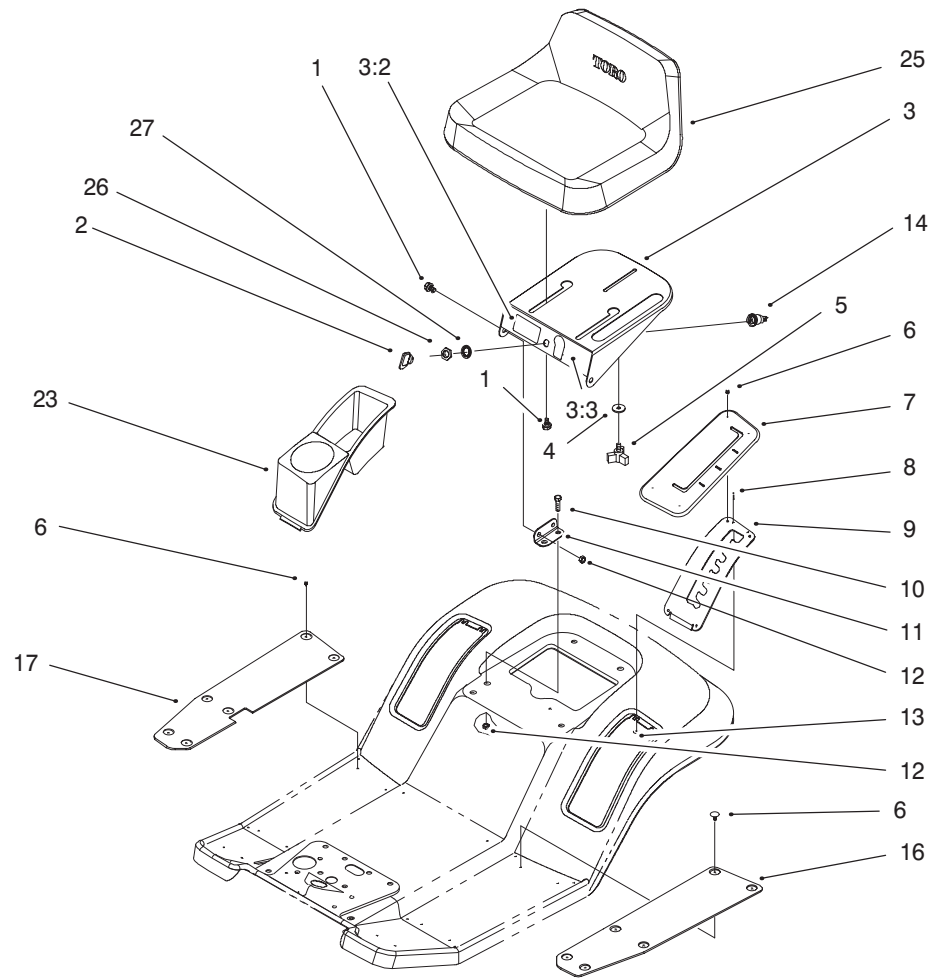


Sheet No.:3

## Hood & Tower Assembly

| Ref. No. | Part No.   | Qty. | Description         |
|----------|------------|------|---------------------|
| 1        | 99-1947    | 1    | Tower-Steering      |
| 2        | 94-5565    | 1    | Knob - Shift        |
| 3        | 46-8091    | 3    | Screw-HWH           |
| 4        | 3296-42    | 4    | Nut-Lock            |
| 5        | 321-2      | 4    | Screw-HH            |
| 6        | 28-0540    | 2    | Bolt-Shoulder       |
| 7        | 88-6050-03 | 1    | Bracket-LH Hinge    |
| 8        | 3290-496   | 2    | Nut-Retainer        |
| 11       | 94-1984    | 1    | Latch - Pin         |
| 12       | 93-3891    | 1    | Duct - Hood Air     |
| 13       | 46-8090    | 7    | Screw-Plastite      |
| 14       | 93-3819    | 1    | Hood-w/Decal Toro   |
| 14:2     | 92-5748    | 1    | Decal-Air Duct Toro |
| 15       | 92-5782    | 3    | Foil Tape           |
| 16       | 93-3864-03 | 1    | Shield - Heat       |
| 18       | 88-6040-03 | 1    | Bracket-RH Hinge    |
| 19       | 3290-307   | 2    | Hairpin             |
| 20       | 100-7401   | 1    | Rod-Tower Pivot     |
| 21       | 3256-24    | 2    | Washer-Flat         |
| 22       | 3218-3     | 2    | Nut-Jam             |
| 23       | 100-7402   | 2    | Nut-Cap             |
| 24       | 100-7403   | 2    | Washer-Flat         |
| 25       | 88-5190-03 | 1    | Deck Engage Lev Wa  |
| 26       | 3296-29    | 2    | Nut-Lock, NI        |
| 27       | 3256-23    | 2    | Washer-Flat         |
| 28       | 322-3      | 2    | Screw-HH            |

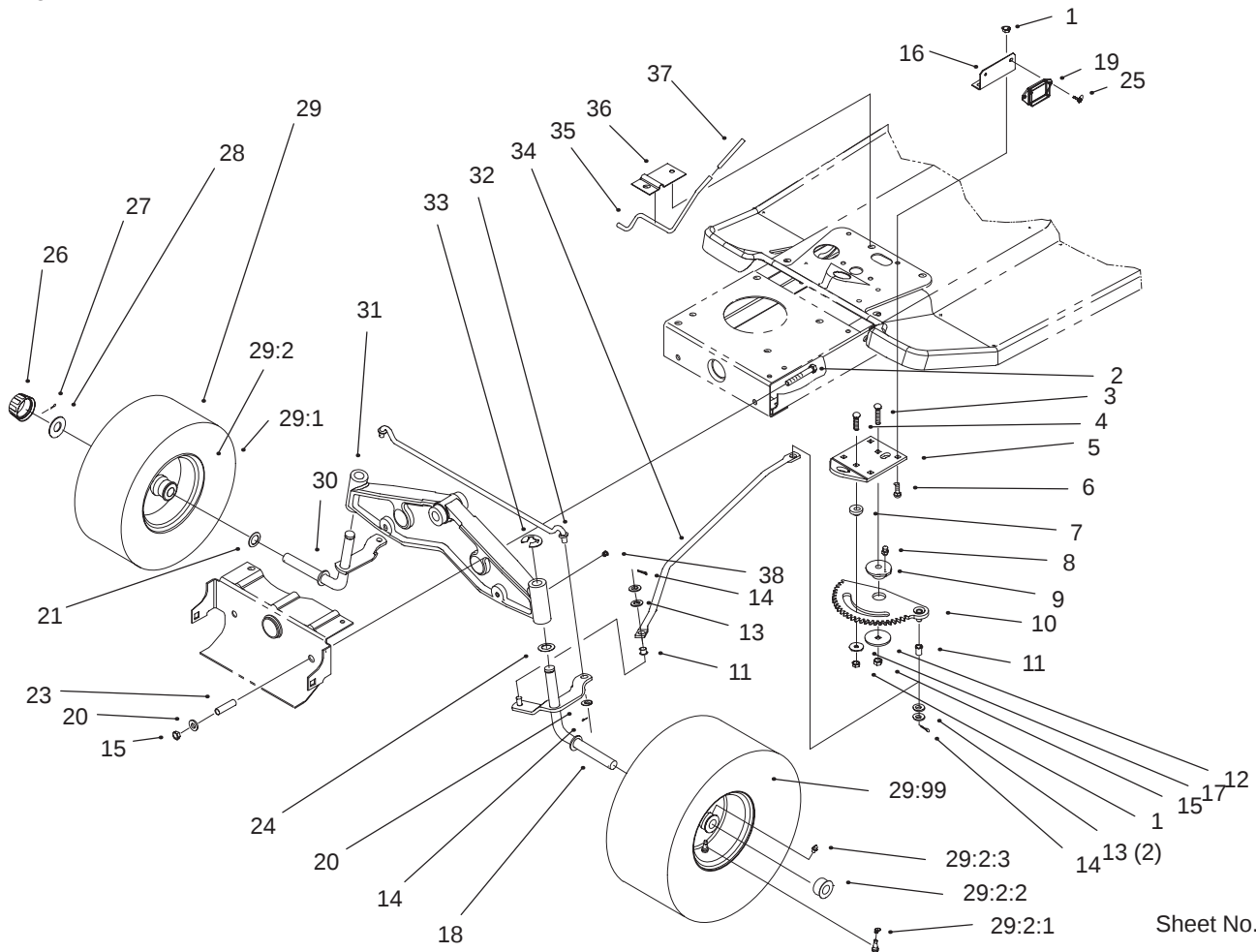
| Ref. No. | Part No. | Qty. | Description                 |
|----------|----------|------|-----------------------------|
| 29       | 100-6248 | 2    | Decal-1638 HxI              |
| 30       | 99-8139  | 1    | Decal-Ignition/Lights       |
| 31       | 92-2461  | 1    | Decal - Throttle         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



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      |          |          |      |             |
| 2        | 63-8360    | 1    | Key-Ignition       |          |          |      |             |
| 3        | 99-5830    | 1    | Support ASM-Seat   |          |          |      |             |
| 3:2      | 99-2985    | 1    | Decal-Danger       |          |          |      |             |
| 3:3      | 99-5339    | 1    | Decal-Nmir Switch  |          |          |      |             |
| 4        | 5-4460     | 1    | Washer-Pivot       |          |          |      |             |
| 5        | 92-9674    | 1    | Knob               |          |          |      |             |
| 6        | 3290-479   | 16   | Fastener-Panel     |          |          |      |             |
| 7        | 88-5170    | 1    | Cover - HOC        |          |          |      |             |
| 8        | 3290-282   | 2    | Rivet-Pop, Steel   |          |          |      |             |
| 9        | 88-5030-03 | 1    | Gate-HOC           |          |          |      |             |
| 10       | 322-3      | 4    | Screw-HH           |          |          |      |             |
| 11       | 88-4820-03 | 2    | Bracket-Seat Hinge |          |          |      |             |
| 12       | 3296-29    | 6    | Nut-Lock, NI       |          |          |      |             |
| 13       | 3269-26    | 2    | Washer-Flat        |          |          |      |             |
| 14       | 46-5780    | 1    | Switch-Starter     |          |          |      |             |
| 16       | 88-5240    | 1    | Mat-LH Foot        |          |          |      |             |
| 17       | 88-5230    | 1    | RH Foot Mat Hydro  |          |          |      |             |
| 23       | 88-4990    | 1    | Tray - Fender      |          |          |      |             |
| 25       | 88-3950    | 1    | Seat - Medium Back |          |          |      |             |
| 26       | 218-461    | 1    | Nut-HH             |          |          |      |             |
| 27       | 3254-5     | 1    | Washer-Lock/Int    |          |          |      |             |

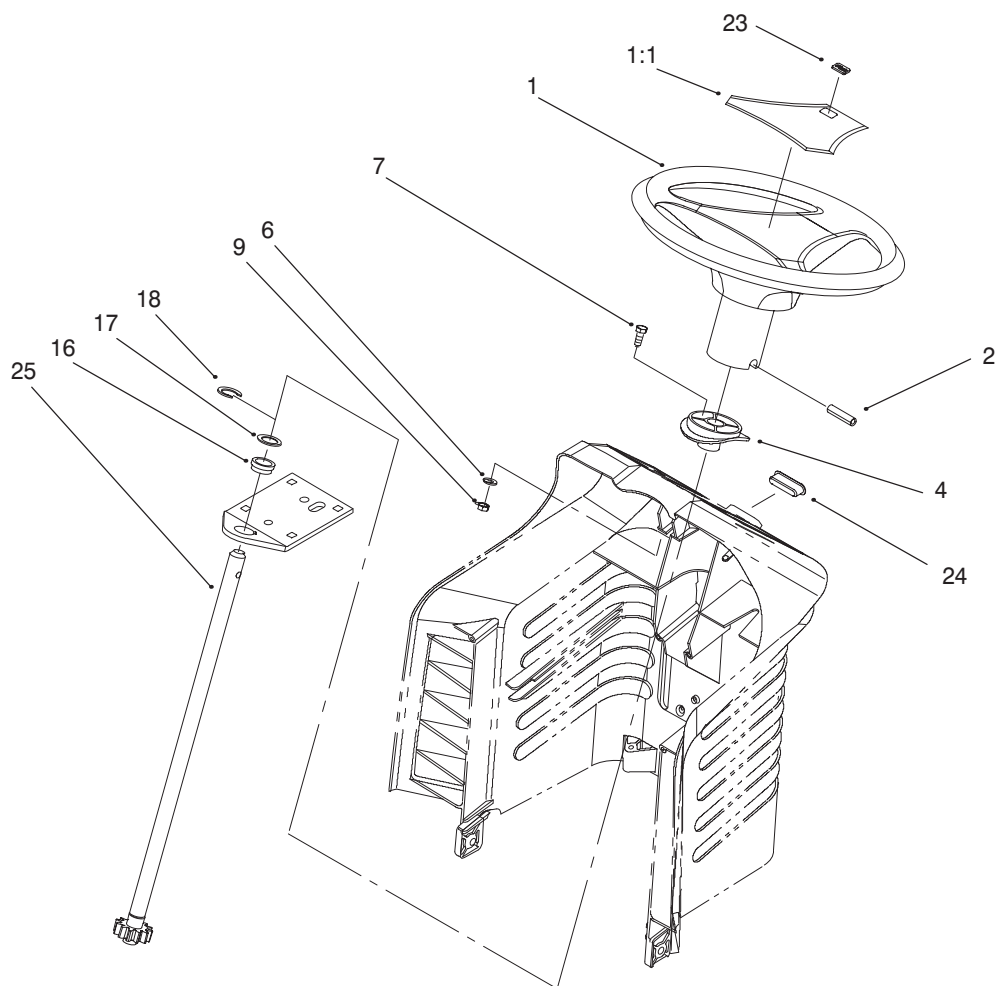


Sheet No.:5

## Steering Components Assembly

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 3296-29    | 5    | Nut-Lock, NI           |
| 2        | 323-13     | 2    | Screw-HH               |
| 3        | 3231-4     | 1    | Screw-CARR             |
| 4        | 3230-3     | 1    | Screw-CARR             |
| 5        | 88-5130-03 | 1    | Bracket-Steering Rack  |
| 6        | 3230-2     | 4    | Screw-CARR             |
| 7        | 88-5010    | 1    | Spacer - Steering Rack |
| 8        | 302-26     | 1    | Zerk                   |
| 9        | 88-4670    | 1    | Bushing - Eccentric    |
| 10       | 88-5200    | 1    | Steering Rack Wa       |
| 11       | 52-2891    | 2    | Bushing-Steering Link  |
| 12       | 111419     | 1    | Bearing-Washer         |
| 13       | 3256-25    | 4    | Washer-Flat            |
| 14       | 3272-10    | 4    | Pin-Cotter             |
| 15       | 3296-39    | 3    | Nut-Lock, NI           |
| 16       | 99-2956-03 | 1    | Bracket-Module         |
| 17       | 5-4460     | 1    | Washer-Pivot           |
| 18       | 92-7890-03 | 1    | LH Spindle Wa          |
| 19       | 99-3700    | 1    | Module-Nmir            |
| 20       | 3256-24    | 4    | Washer-Flat            |
| 21       | 3-6498     | 4    | Washer-Thrust          |
| 23       | 88-5470    | 2    | Spacer-Front Axle      |
| 24       | 3-6498     | 2    | Washer-Thrust          |
| 25       | 9266714    | 2    | Screw-HWH              |

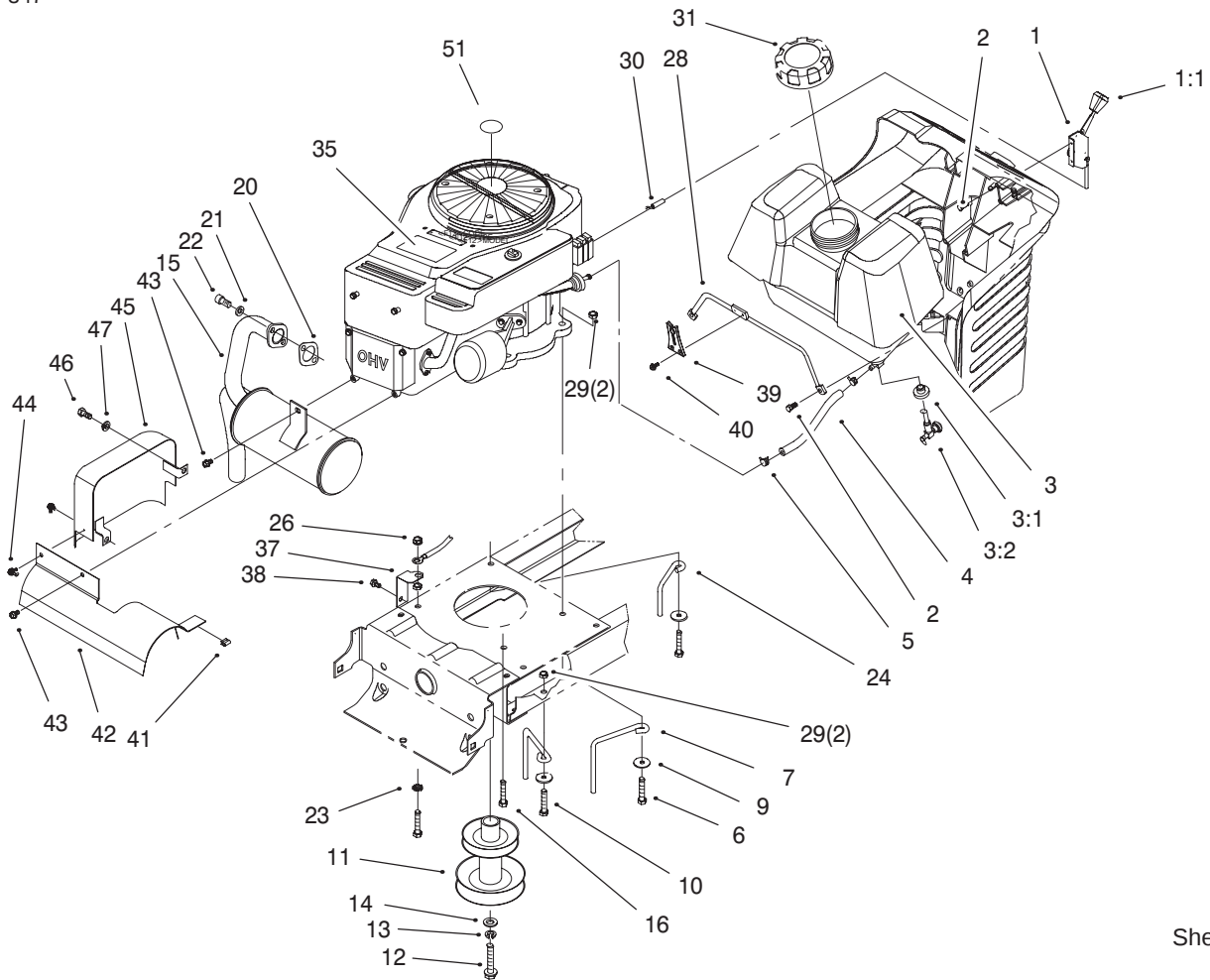
| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 26       | 61-9780    | 2    | Cap-Hub               |
| 27       | 3272-12    | 2    | Pin-Cotter            |
| 28       | 28-2480    | 2    | Washer                |
| 29       |            | 2    | Wheel&tire ASM,Front  |
| 29:1     | 99-2988    | 1    | Tire                  |
| 29:2     | 88-4370    | 1    | 15" Rim ASM           |
| 29:2:1   | 232-27     | 1    | Stem-Valve            |
| 29:2:2   | 88-4400    | 2    | Bearing - Wheel       |
| 29:2:3   | 302-5      | 1    | Fitting-Lube          |
| 29:99    | 232-39     | 1    | Tube                  |
| 30       | 92-7889-03 | 1    | RH Spindle Wa         |
| 31       | 99-6844-03 | 1    | Axle-Front            |
| 32       | 88-5380    | 1    | Tie Rod - Steering    |
| 33       | 32151-48   | 2    | E-Ring                |
| 34       | 88-4830    | 1    | Link-Drag             |
| 35       | 88-5510    | 1    | Rod-Parking Brake     |
| 36       | 88-5520-03 | 1    | Bracket-Parking Brake |
| 37       | 88-0890    | 1    | Grip-Bag Handle       |
| 38       | 302-5      | 2    | Fitting-Lube          |



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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,<br>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<br>Wa  |

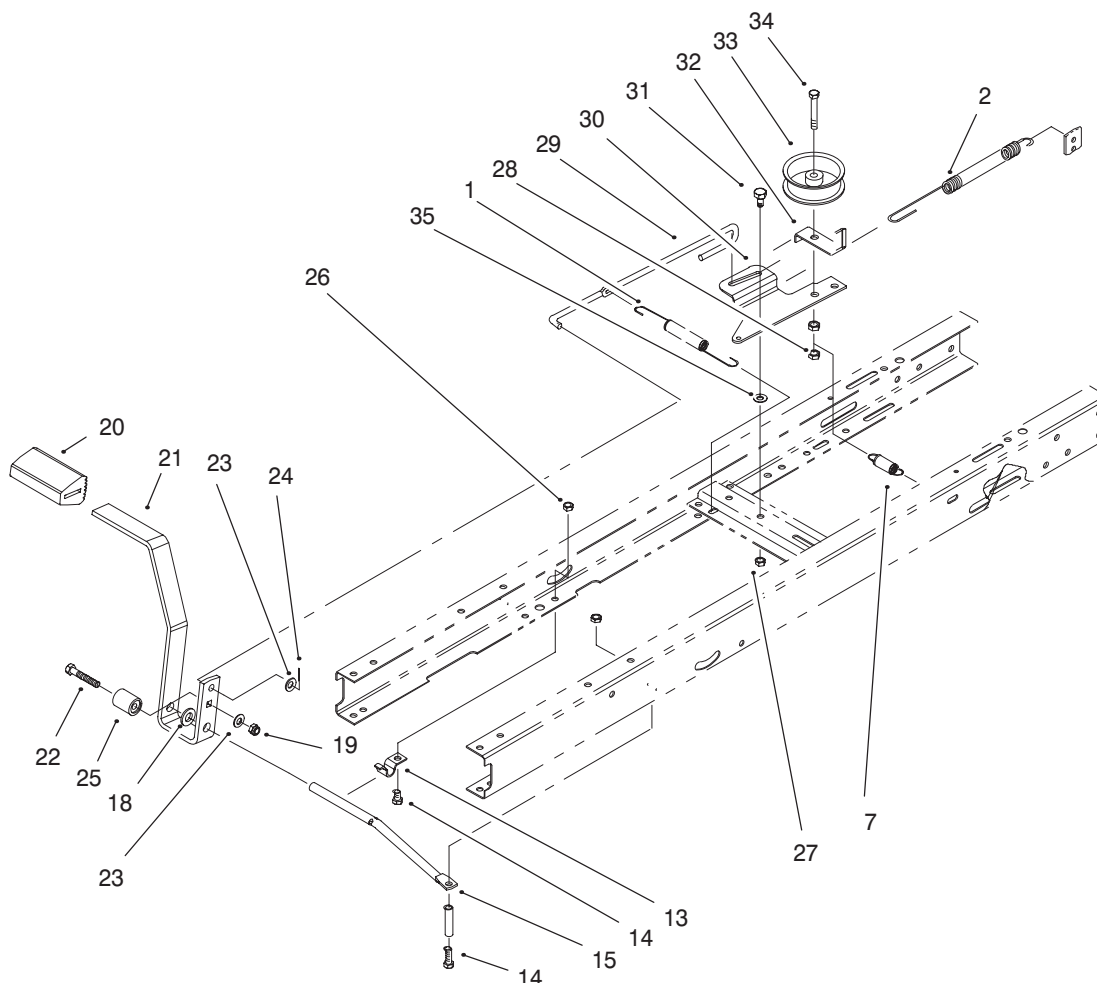


Sheet No.:8

## Engine Systems Components Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 1        | 88-4340  | 1    | Control-Throttle    |
| 1:1      | 66-0120  | 1    | Knob                |
| 2        | 27-0220  | 4    | Screw-Special       |
| 3        | 88-3880  | 1    | Gas Tank ASM        |
| 3:1      | 104047   | 1    | Bushing             |
| 3:2      | 104048   | 1    | Valve-Fuel          |
| 4        | 47-2963  | 1    | Hose-Gas            |
| 5        | 2412-98  | 2    | Clamp               |
| 6        | 322-9    | 3    | Screw-HH            |
| 7        | 93-3854  | 3    | Guide - Belt Engine |
| 9        | 5-4460   | 4    | Washer-Pivot        |
| 10       | 322-5    | 2    | Screw-HH            |
| 11       | 88-4850  | 1    | Engine Pulley       |
| 12       | 62-3760  | 1    | Screw-HH            |
| 13       | 3253-22  | 1    | Washer-Lock/Sp      |
| 14       | 3256-25  | 1    | Washer-Flat         |
| 15       | 94-1953  | 1    | Muffler - Exhaust   |
| 16       | 9267154  | 1    | Screw               |
| 20       | 88-4410  | 1    | Gasket-Muffler      |
| 21       | 3253-4   | 2    | Washer              |
| 22       | 3274-10  | 2    | Screw-HSH           |
| 23       | 3255-8   | 1    | Washer-Lock/Ext     |
| 24       | 93-3855  | 1    | Guide - Belt RH     |
| 26       | 32149-1  | 2    | Nut-Keps            |
| 28       | 94-1952  | 1    | Rod - Gas Tank      |
| 29       | 3296-29  | 4    | Nut-Lock, NI        |

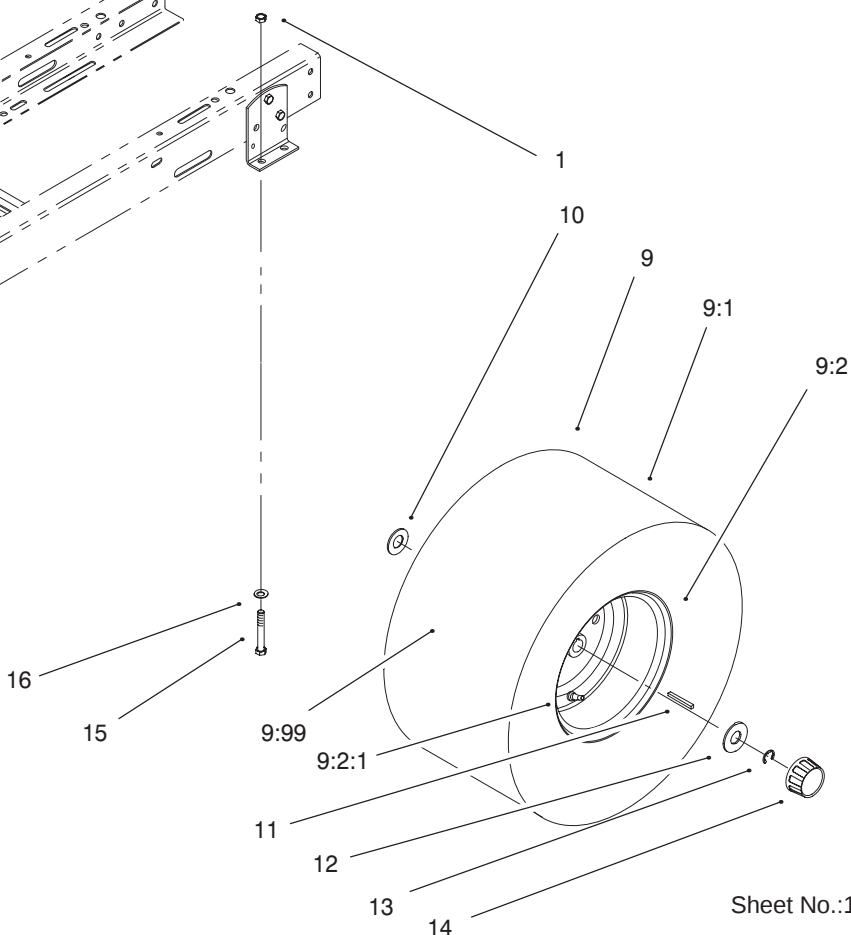
| Ref. No. | Part No.   | Qty. | Description           |
|----------|------------|------|-----------------------|
| 30       | 88-4350    | 1    | Cable-Throttle        |
| 31       | 88-3980    | 1    | Gas Cap Assembly      |
| 35       | 100-6249   | 1    | Decal - Engine        |
| 37       | 93-3809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



Sheet No.:9

## Traction Clutching Components Assembly

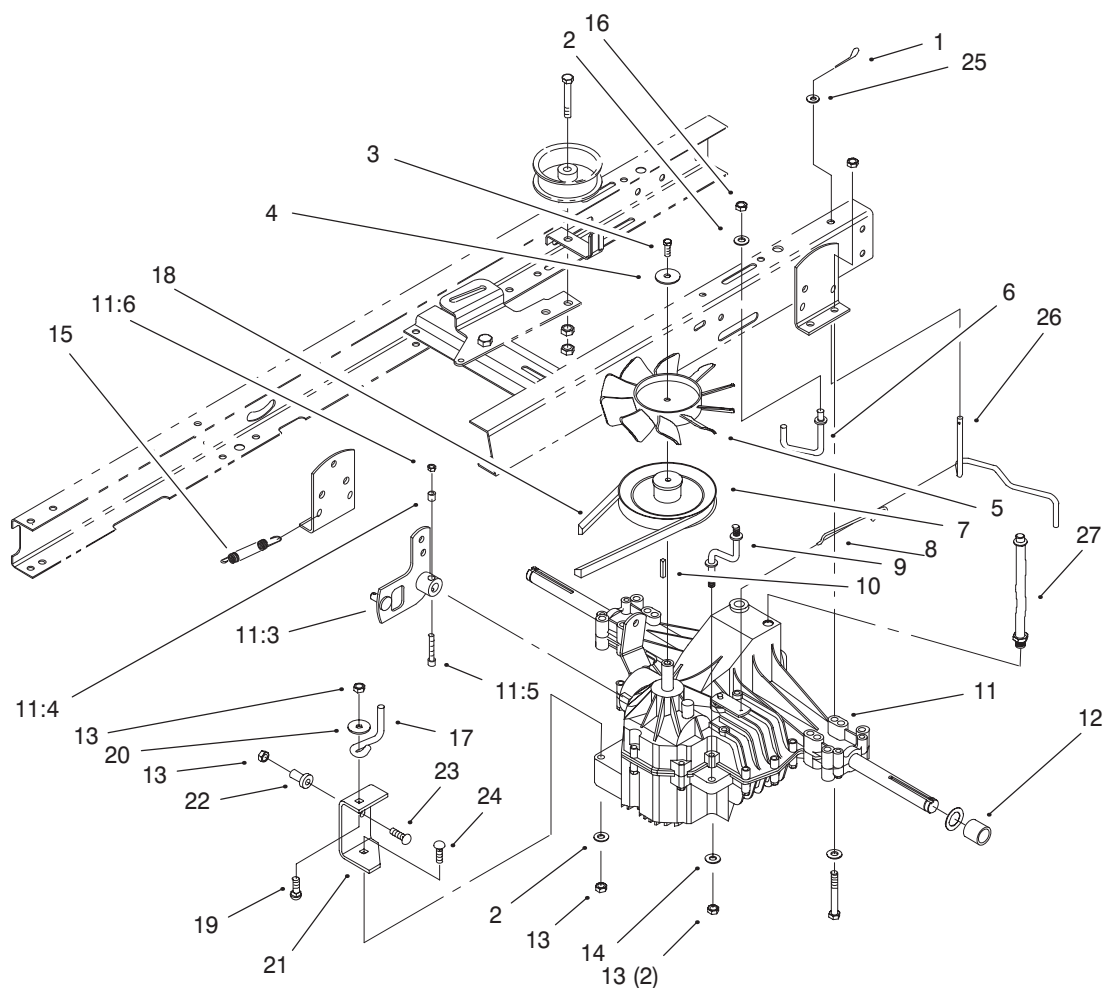
| Ref. No. | Part No.   | Qty. | Description        |
|----------|------------|------|--------------------|
| 1        | 27-8890    | 1    | Spring-Return      |
| 2        | 88-6140    | 1    | Brake Spring       |
| 7        | 88-6330    | 1    | Spring - Extension |
| 13       | 88-4810    | 1    | Clamp-Shift Pivot  |
| 14       | 322-3      | 2    | Screw-HH           |
| 15       | 88-5500    | 1    | Rod-Pedal Pivot    |
| 18       | 3256-26    | 1    | Washer-Flat        |
| 19       | 3296-47    | 1    | Nut-Lock, NI       |
| 20       | 65-2920    | 1    | Pad-Pedal          |
| 21       | 88-5000-03 | 1    | Pedal-Clutch/Brake |
| 22       | 322-9      | 1    | Screw-HH           |
| 23       | 3256-23    | 2    | Washer-Flat        |
| 24       | 3272-10    | 1    | Pin-Cotter         |
| 25       | 99-6836    | 1    | Spacer-Switch      |
| 26       | 3296-29    | 2    | Nut-Lock, NI       |
| 27       | 3296-29    | 1    | Nut-Lock, NI       |
| 28       | 3296-59    | 2    | Nut-Lock, NI       |
| 29       | 88-5270    | 1    | Rod-Clutch/Brake   |
| 30       | 88-6070    | 1    | Arm-Idler          |
| 31       | 37-8770    | 1    | Bolt-Shoulder      |
| 32       | 88-5560    | 1    | Guide-Idler Belt   |
| 33       | 88-5680    | 1    | Pulley-Idler       |
| 34       | 323-11     | 1    | Screw-HH           |
| 35       | 5-4460     | 1    | Washer-Pivot       |



## Rear Wheel & Tire Assembly

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

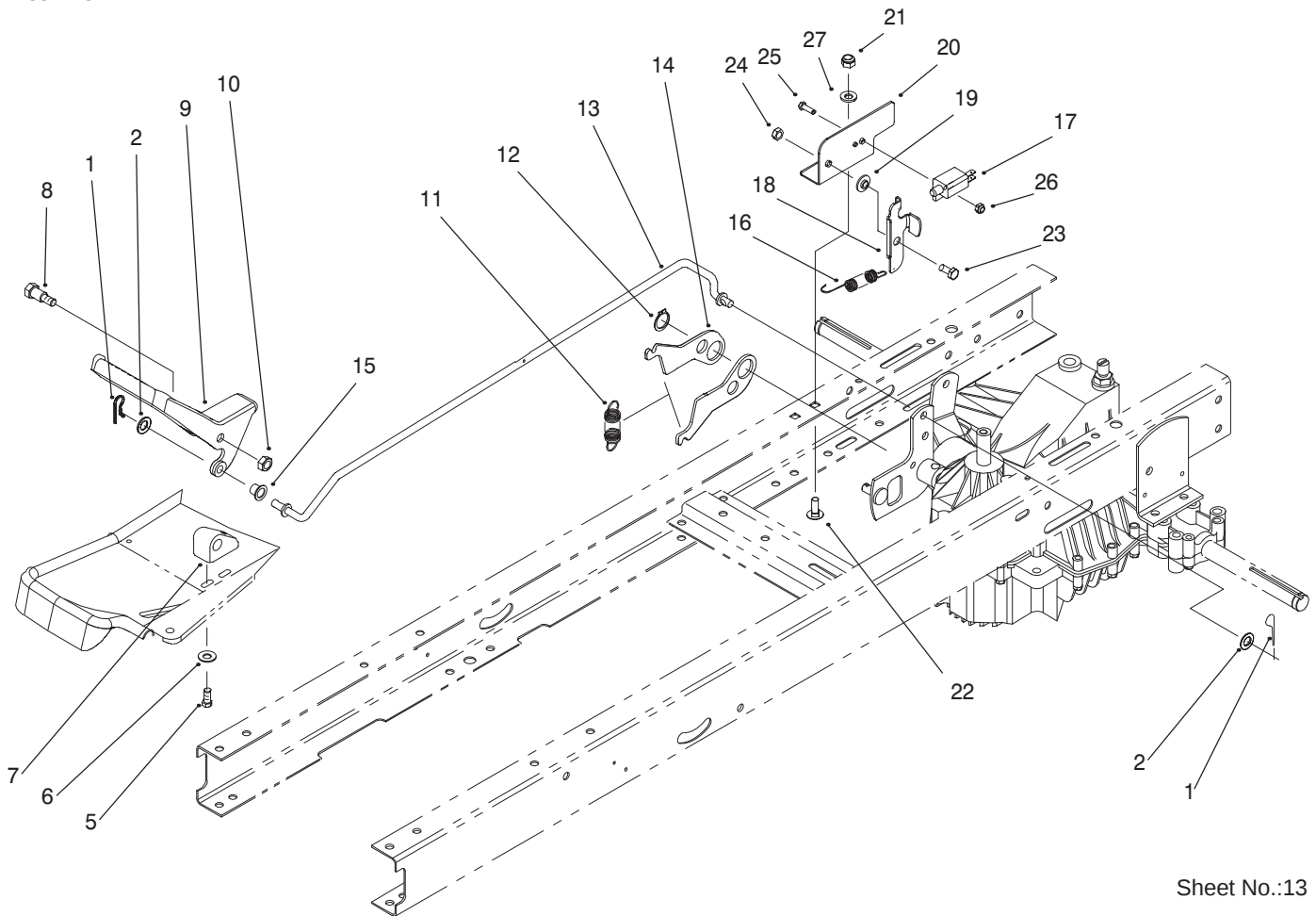
| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



Sheet No.:12

## Hydro Transaxle Assembly

| Ref. No. | Part No.  | Qty. | Description          | Ref. No. | Part No.   | Qty. | Description         |
|----------|-----------|------|----------------------|----------|------------|------|---------------------|
| 1        | 3290-307  | 1    | Hairpin              | 20       | 5-4460     | 1    | Washer-Pivot        |
| 2        | 3256-23   | 2    | Washer-Flat          | 21       | 92-6013-03 | 1    | Brkt-Speed Ctrl     |
| 3        | 33113-016 | 1    | Screw-HH             | 22       | 65-5080    | 1    | Flange Bushing      |
| 4        | 3256-58   | 1    | Washer-Flat          | 23       | 3230-5     | 1    | Screw-CARR          |
| 5        | 115271    | 1    | Fan-7"               | 24       | 3230-7     | 1    | Screw-CARR          |
| 6        | 88-5960   | 1    | Guide-Trans Belt, LH | 25       | 3256-22    | 1    | Washer-Flat         |
| 7        | 88-6180   | 1    | Hydro Trans Pulley   | 26       | 92-8857    | 1    | Lever - Bypass      |
| 8        | 92-8856   | 1    | Wire - Bypass        | 27       | 94-1945    | 1    | ASM - Breather Hose |
| 9        | 88-5620   | 1    | Torque Strap         |          |            |      |                     |
| 10       | 80-6090   | 1    | Key - Pump           |          |            |      |                     |
| 11       | 94-6775   | 1    | Transaxle            |          |            |      |                     |
| 11:1     |           | 1    | ASM-Hydro            |          |            |      |                     |
| 11:3     | 99-5843   | 1    | Transaxle-Hydrostat  |          |            |      |                     |
| 11:4     | 86-4270   | 1    | Lever Wa-Speed       |          |            |      |                     |
| 11:5     | 3274-59   | 1    | Control              |          |            |      |                     |
| 11:6     | 3296-12   | 1    | Lock Spacer          |          |            |      |                     |
| 12       | 88-5360   | 2    | Screw-HSH            |          |            |      |                     |
| 13       | 3296-29   | 5    | Nut-Lock, NI         |          |            |      |                     |
| 14       | 3256-23   | 2    | Washer-Flat          |          |            |      |                     |
| 15       | 26-6700   | 1    | Spring-Brake Return  |          |            |      |                     |
| 16       | 32149-1   | 1    | Nut-Keps             |          |            |      |                     |
| 17       | 88-5460   | 1    | Trans Belt Guide     |          |            |      |                     |
| 18       | 88-6280   | 1    | V - Belt             |          |            |      |                     |
| 19       | 3230-2    | 1    | Screw-CARR           |          |            |      |                     |

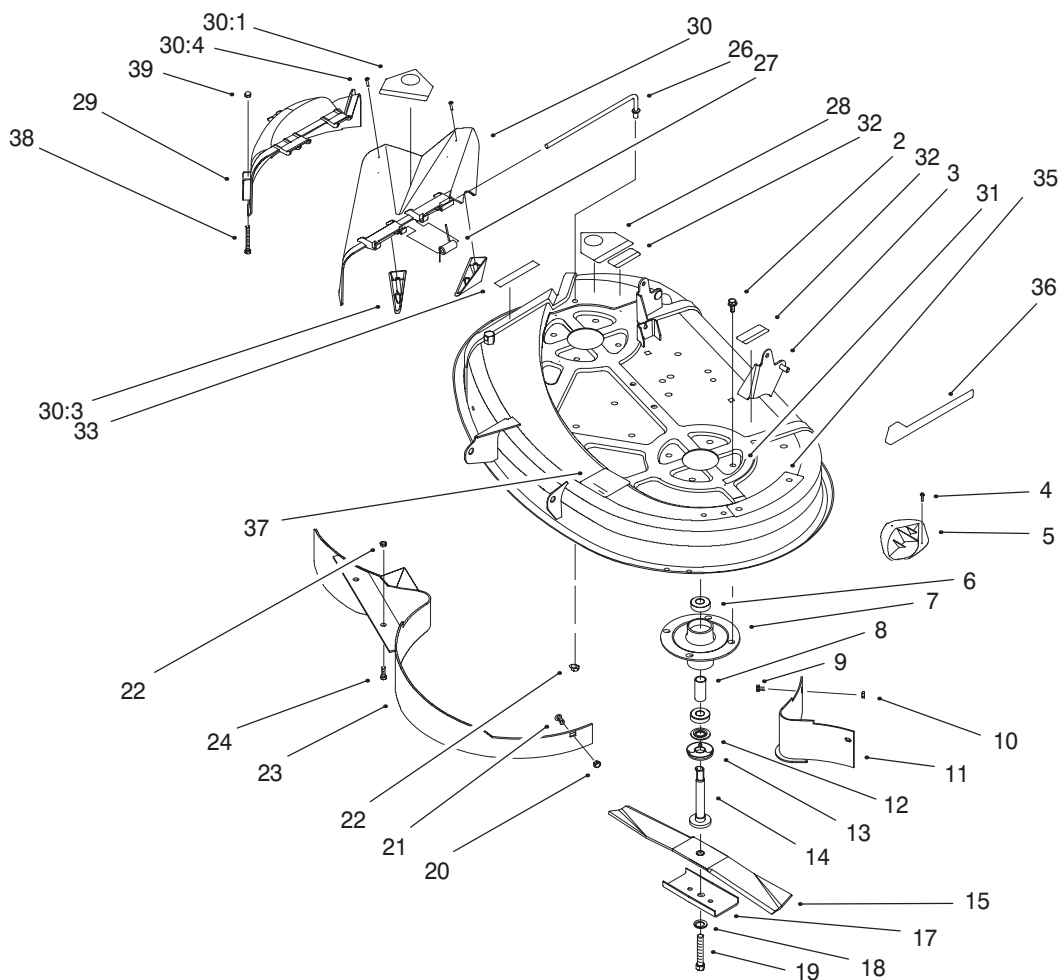


Sheet No.:13

## Hydro Transaxle Controls Assembly

| Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------|
| 1        | 3290-307   | 2    | Hairpin                |
| 2        | 3256-38    | 2    | Washer-Flat            |
| 5        | 46-8090    | 2    | Screw-Plastite         |
| 6        | 3256-22    | 2    | Washer-Flat            |
| 7        | 88-4690    | 1    | Pivot Block            |
| 8        | 23-0310    | 1    | Shoulder Bolt          |
| 9        | 99-6120-05 | 1    | Pedal-Speed Control    |
| 10       | 3296-59    | 1    | Nut-Lock, NI           |
| 11       | 92-7305    | 1    | Spring-Extension       |
| 12       | 32151-83   | 1    | Snap Ring              |
| 13       | 99-6803    | 1    | Rod-Speed Control,1538 |
| 14       | 88-5610    | 2    | Neutral Return Lever   |
| 15       | 99-6121    | 1    | Bushing                |
| 16       | 99-6805    | 1    | Spring-Extension       |
| 17       | 95-1653    | 1    | Switch - Single Pole   |
| 18       | 99-6807    | 1    | Bracket - Pivot        |
| 19       | 99-6808    | 1    | Washer-Stepped         |
| 20       | 99-6806    | 1    | Bracket - Adjustment   |
| 21       | 3296-29    | 2    | Nut-Lock, NI           |
| 22       | 3230-18    | 2    | Screw-CARR             |
| 23       | 99-6810    | 1    | Screw-Hex Hd           |
| 24       | 3296-42    | 1    | Nut-Lock               |
| 25       | 3290-392   | 2    | Screw - Hex Head Slot  |

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

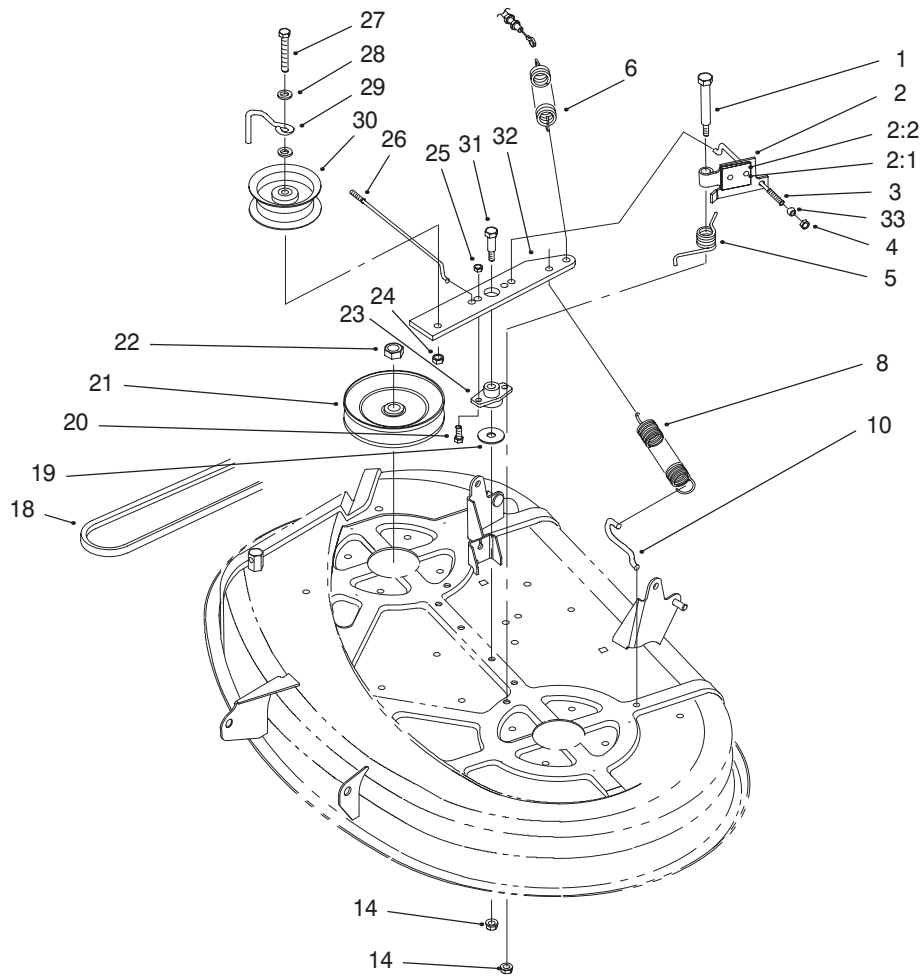


Sheet No.:16

## 38" Deck Components Assembly

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

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

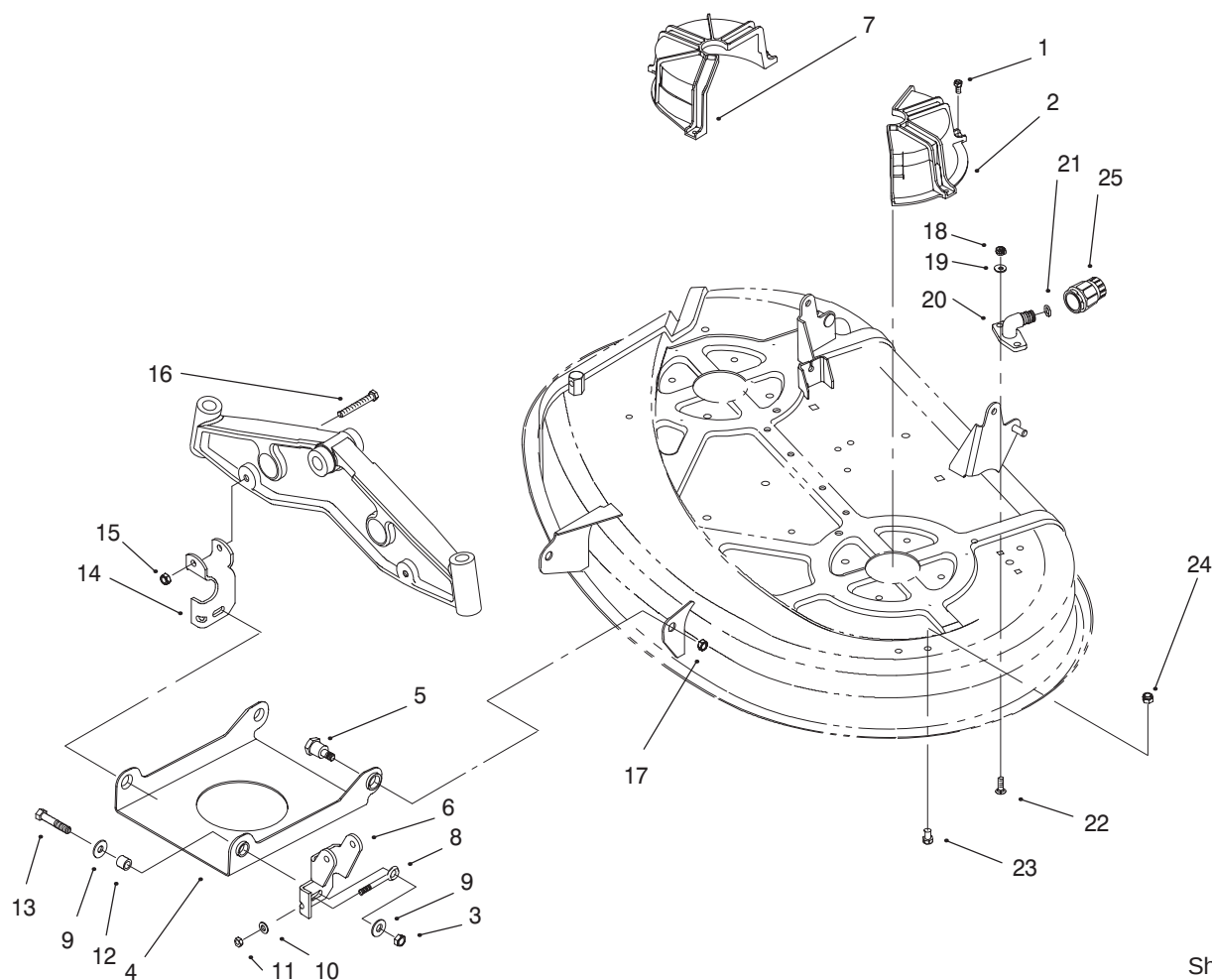


Sheet No.:17

## 38" Deck Blade Drive & Braking Components

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

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

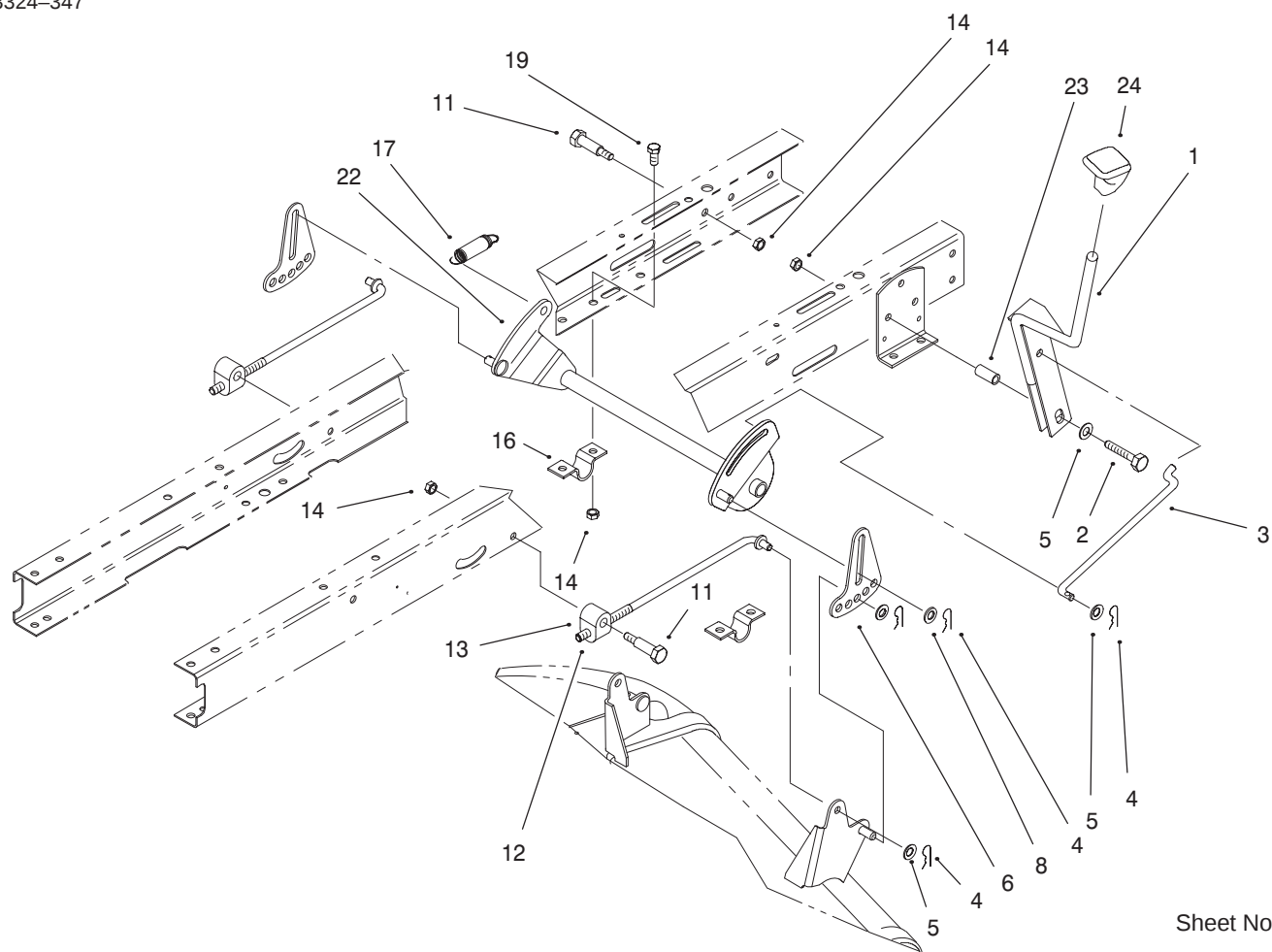


Sheet No.:18

## 38" Deck Engagement Components Assembly

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

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

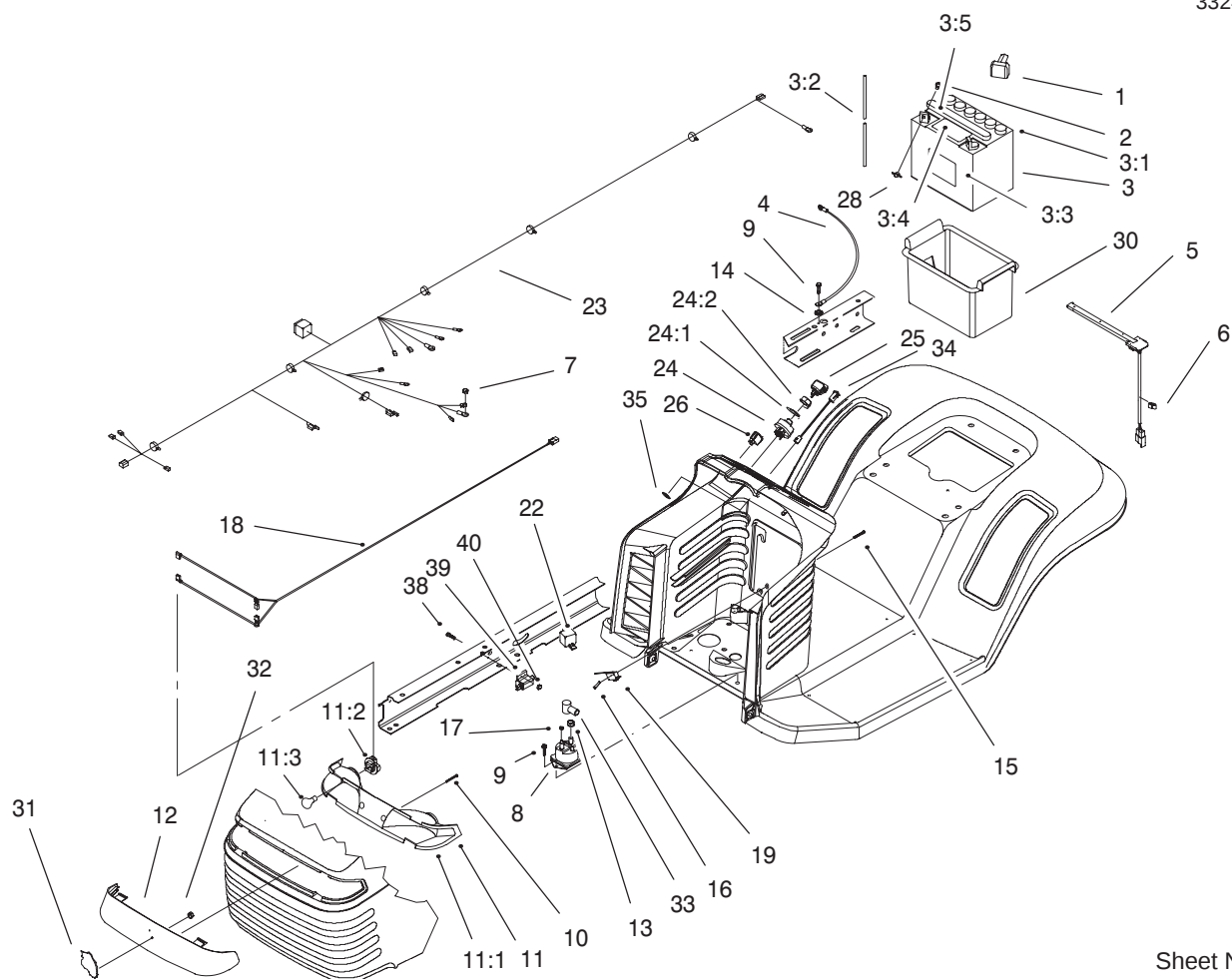


Sheet No.:19

## Height of Cut Components Assembly

| Ref. No. | Part No.   | Qty. | Description        |
|----------|------------|------|--------------------|
| 1        | 93-3822-03 | 1    | Lever Wa           |
| 2        | 322-39     | 1    | Screw-HH           |
| 3        | 88-5900    | 1    | Link-HOC           |
| 4        | 3290-307   | 7    | Hairpin            |
| 5        | 3256-24    | 4    | Washer-Flat        |
| 6        | 88-5570-03 | 2    | Link-HOC Adjusting |
| 8        | 80-6990    | 4    | Washer-Hardened    |
| 11       | 7-0030     | 3    | Bolt-Shoulder      |
| 12       | 88-5450    | 2    | Rod-Hanger Rear    |
| 13       | 88-4230    | 2    | Trunnion-HOC       |
| 14       | 3296-29    | 8    | Nut-Lock, NI       |
| 16       | 88-4730    | 2    | Clamp-HOC Pivot    |
| 17       | 88-6460    | 1    | Spring - Extension |
| 19       | 322-3      | 4    | Screw-HH           |
| 22       | 88-5110-03 | 1    | Pivot Wa           |
| 23       | 65-7210    | 1    | Spacer             |
| 24       | 94-5565    | 1    | Knob - Shift       |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

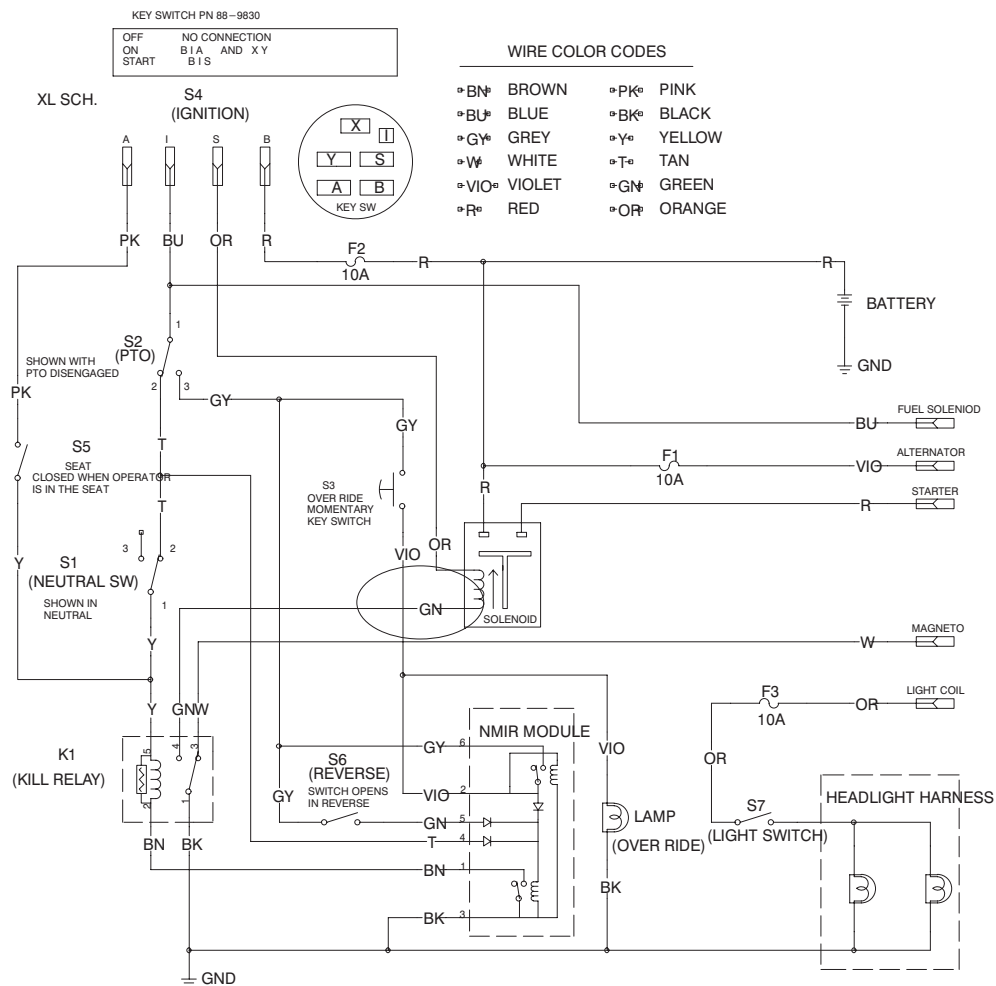


Sheet No.:20

## Electrical Components Assembly

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 1        | 28-8080  | 1    | Boot-Terminal        |
| 2        | 321-4    | 2    | Screw-HH             |
| 3        | 80-2600  | 1    | Battery              |
| 3:1      | 218-560  | 6    | Cap-Battery          |
| 3:2      | 56-2540  | 1    | Tube-Batt            |
|          |          |      | Drain/80-2600        |
| 3:3      | 93-6668  | 1    | Decal - Battery      |
| 3:4      | 93-7276  | 1    | Decal - Danger       |
| 3:5      | 93-9354  | 1    | Decal - Danger       |
| 4        | 44-8110  | 1    | Wire ASM             |
| 5        | 38-1420  | 1    | Switch-Seat          |
| 6        | 702366   | 1    | Clip-Wire Retainer   |
| 7        | 32149-2  | 1    | Nut-Keps             |
| 8        | 28-4210  | 1    | Solenoid             |
| 9        | 9266714  | 3    | Screw-HWH            |
| 10       | 32144-32 | 2    | Screw                |
| 11       | 88-3970  | 1    | Reflector & Lamp ASM |
| 11:1     | 111686   | 2    | Socket-Light         |
| 11:2     | 7228     | 2    | Bulb -No. 1156       |
| 11:3     | 93-8741  | 1    | Reflector            |
| 12       | 88-3960  | 1    | Lens-Headlight       |
| 13       | 32149-1  | 2    | Nut-Keps             |
| 14       | 3255-7   | 2    | Washer-Lock/Ext      |
| 15       | 93-0539  | 2    | Screw-HH             |
| 16       | 3290-354 | 1    | Nut-Speed            |
| 17       | 32149-8  | 2    | Keps Nut             |

| Ref. No. | Part No. | Qty. | Description          |
|----------|----------|------|----------------------|
| 18       | 99-1935  | 1    | Harness-Headlight    |
| 19       | 88-9932  | 1    | Switch-Micro         |
| 22       | 98-7249  | 1    | Relay-Speedometer    |
| 23       | 99-6840  | 1    | Harness-Wire, Hydro  |
| 24       | 88-9830  | 1    | Switch-Ignition      |
| 24:1     | 3254-5   | 1    | Washer-Lock/Int      |
| 24:2     | 218-461  | 1    | Nut-HH               |
| 25       | 63-8360  | 1    | Key-Ignition         |
| 26       | 92-8875  | 1    | Switch - Rocker      |
| 28       | 32103-22 | 2    | Nut-Wing             |
| 30       | 88-4040  | 1    | Box-Battery          |
| 31       | 80-2240  | 1    | Emblem-Grille        |
|          |          |      | Whlhorse             |
| 32       | 3290-299 | 1    | Clip                 |
| 33       | 94-5362  | 1    | Boot - Terminal      |
|          |          |      | Insulator            |
| 34       | 95-7652  | 1    | Light - Indicator    |
| 35       | 99-6059  | 1    | Clip-Retainer        |
| 38       | 3274-14  | 2    | Screw-HSH            |
| 39       | 65-7410  | 1    | Switch - Single Pole |
| 40       | 3296-2   | 2    | Nut-Lock             |

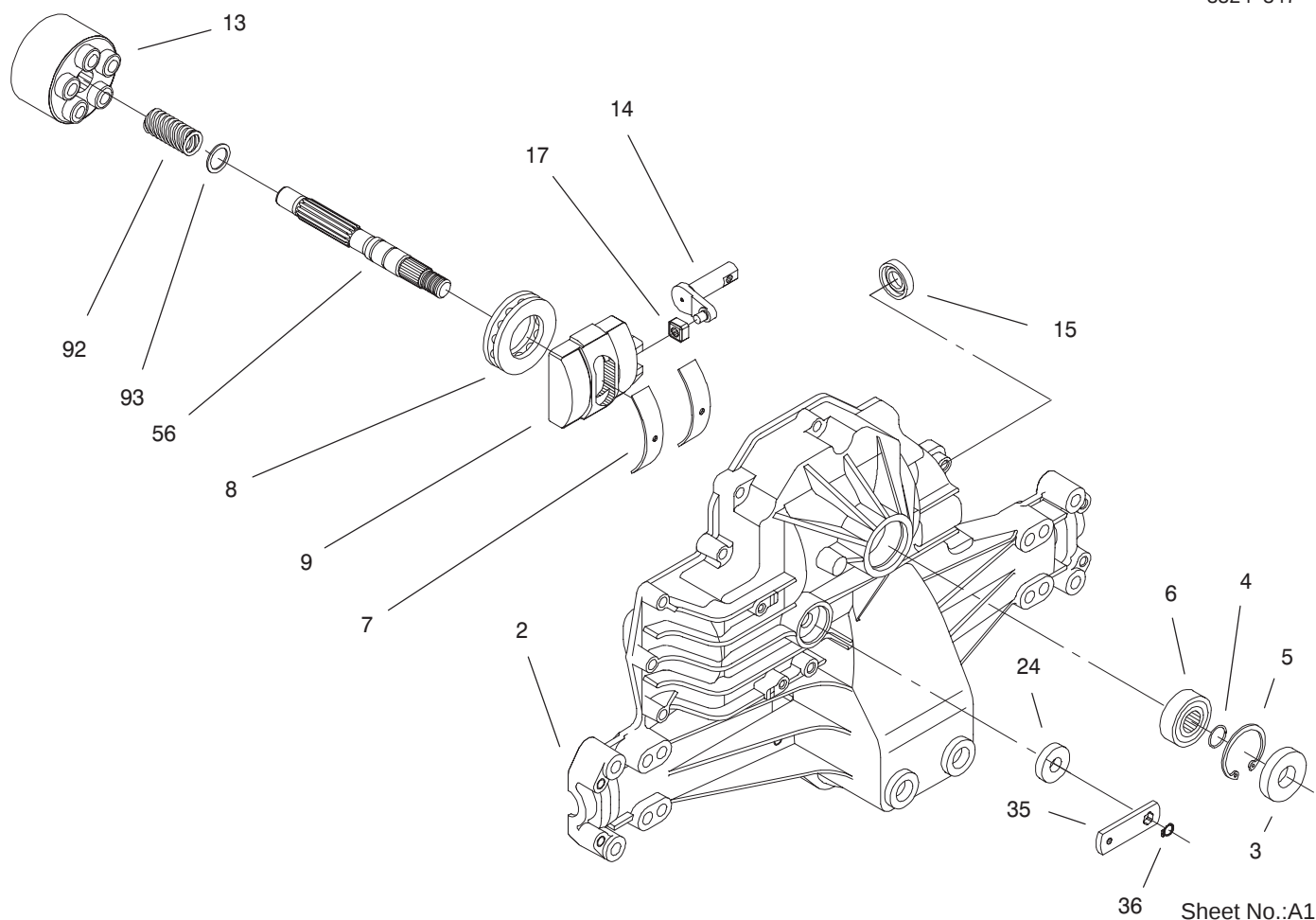


Sheet No.:21

## Wire Schematic

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          | 218-578  | 3    | Fuse-10     |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |



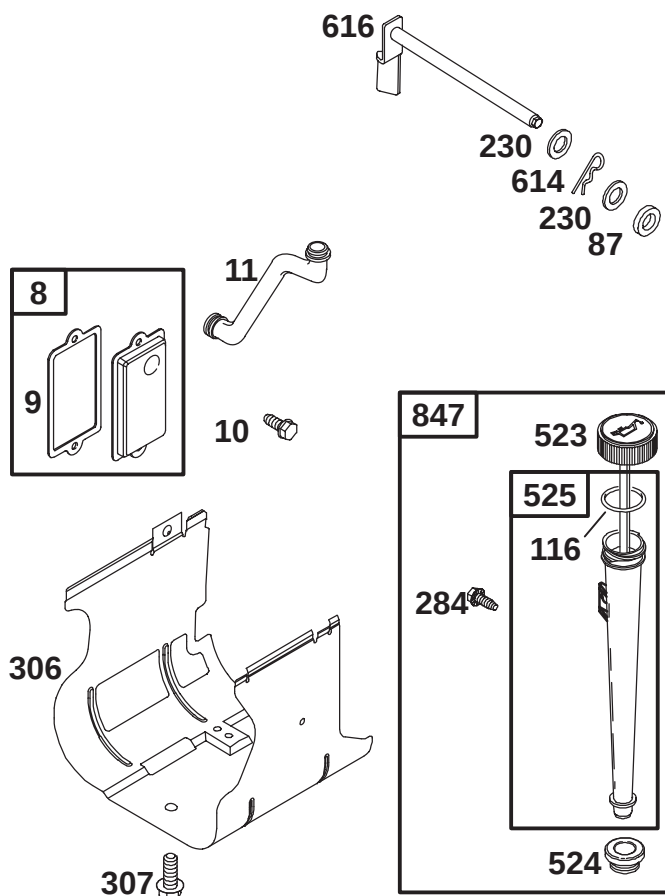
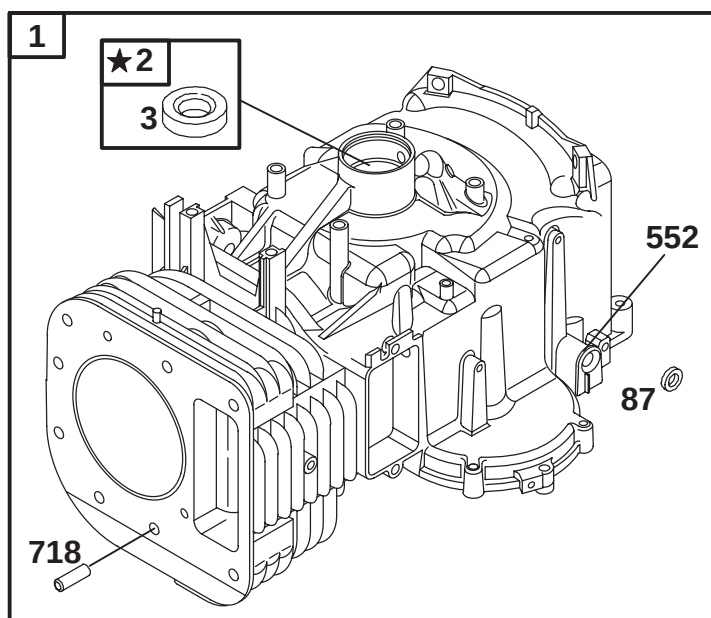
# Hydro Transaxle Assembly

| Ref. No. | Part No. | Qty. | Description         |
|----------|----------|------|---------------------|
| 2        | 94-1948  | 1    | Upper Housing ASM   |
| 3        | 92-6543  | 1    | Seal-Lip            |
| 4        | 94-1902  | 1    | Ring-Wire Retaining |
| 5        | 94-1903  | 1    | Ring-Retaining      |
| 6        | 94-1904  | 1    | Bearing-Shaft Ball  |
| 7        | 94-1905  | 2    | Bearing-Cradle      |
| 8        | 94-6922  | 1    | Bearing-Thrust      |
| 9        | 94-1907  | 1    | Swashplate-Variable |
| 13       | 94-1908  | 1    | Block-Cylinder ASM  |
| 14       | 94-1909  | 1    | Arm-Trunion         |
| 15       | 92-6544  | 1    | Seal-Lip            |
| 17       | 94-1910  | 1    | Guide-Slot          |
| 24       | 92-6545  | 1    | Seal-Lip            |
| 35       | 92-6547  | 1    | Arm-Bypass          |
| 36       | 936109   | 1    | Ring-Retaining      |
| 56       | 94-1925  | 1    | Shaft-Input         |
| 92       | 94-1936  | 1    | Spring              |
| 93       | 94-1937  | 1    | Washer              |

| Ref. No. | Part No. | Qty. | Description |
|----------|----------|------|-------------|
|          |          |      |             |

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### 1058 OWNER'S MANUAL

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

Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

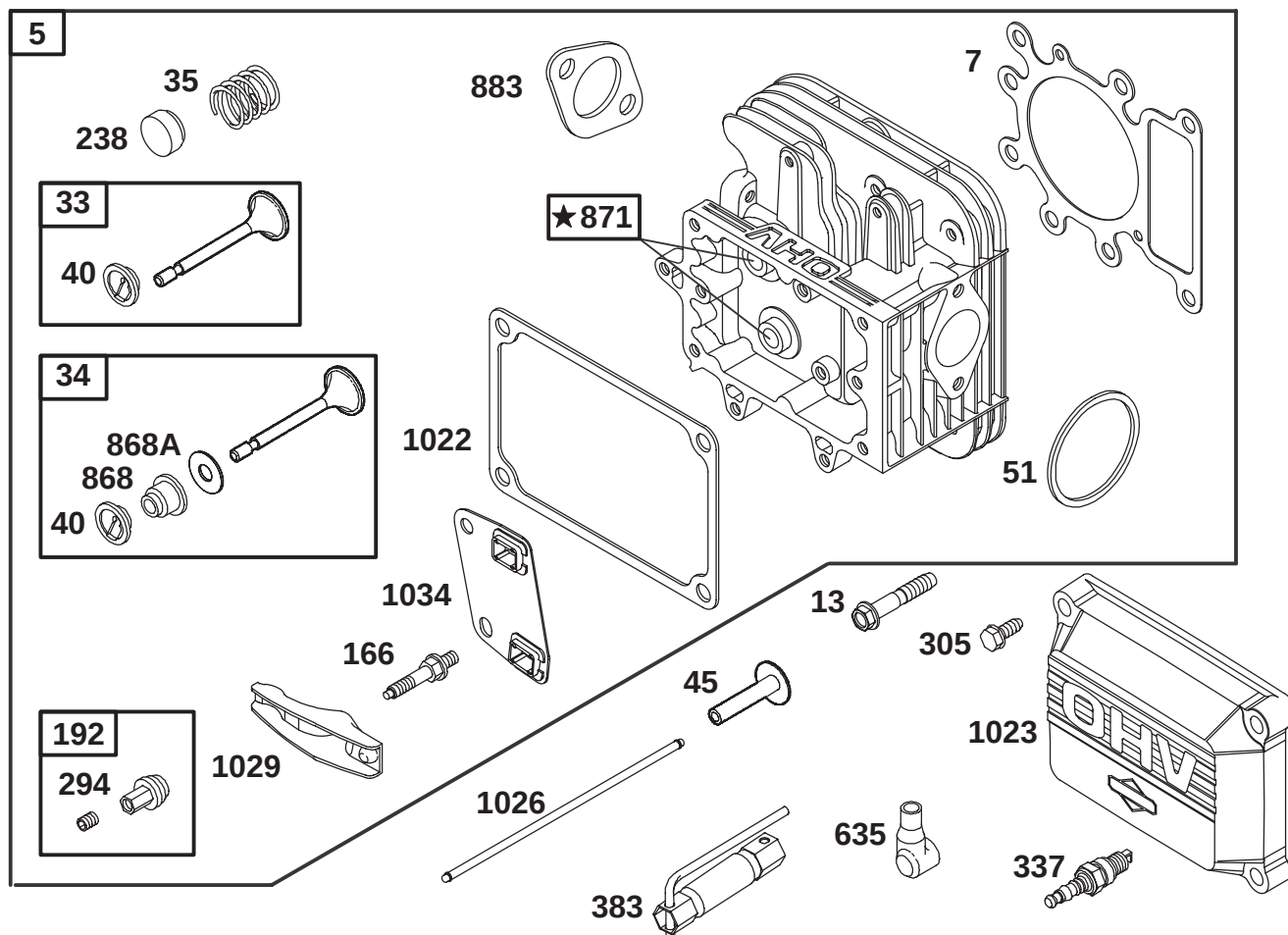
| Ref. No. | Part No. | Description                             | No. Used |
|----------|----------|-----------------------------------------|----------|
| 307      | 94930    | Screw-Self Tap                          | 1        |
| 523      | 495230   | Cap-Oil Fill                            | 1  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

★ Included in Gasket Set-Part No. 495993.

△ Included in Valve Overhaul Kit-Part No. 495992.

● Included in Carburetor Kit-Part No. 499233.

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



## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

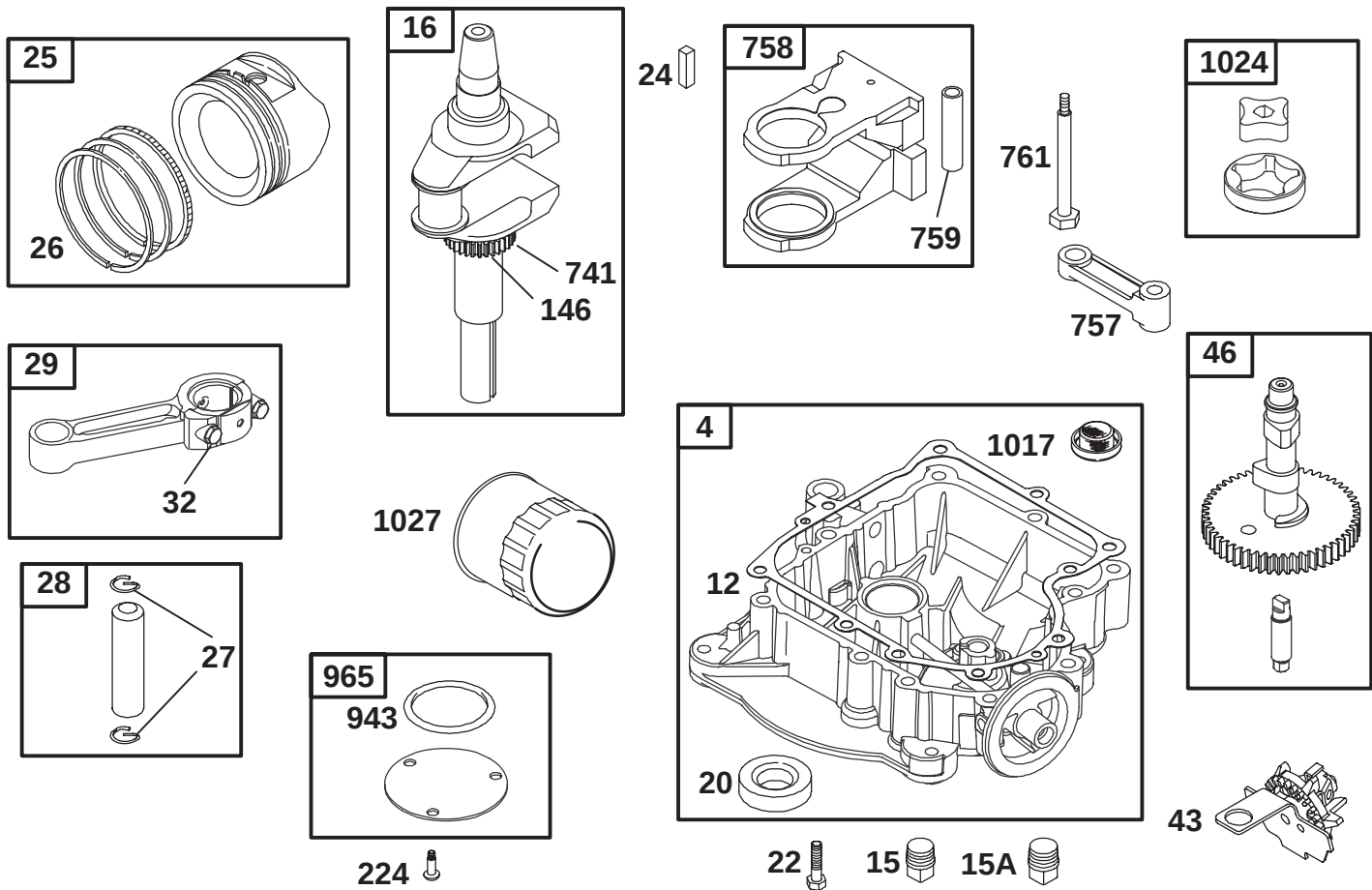
| Ref. No. | Part No. | Description          | No. Used | Ref. No.                               | Part No. | Description                        | No. Used |
|----------|----------|----------------------|----------|----------------------------------------|----------|------------------------------------|----------|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

★ Included in Gasket Set-Part No. 495993.

Δ Included in Valve Overhaul Kit-Part No. 495992.

● Included in Carburetor Kit-Part No. 499233.

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



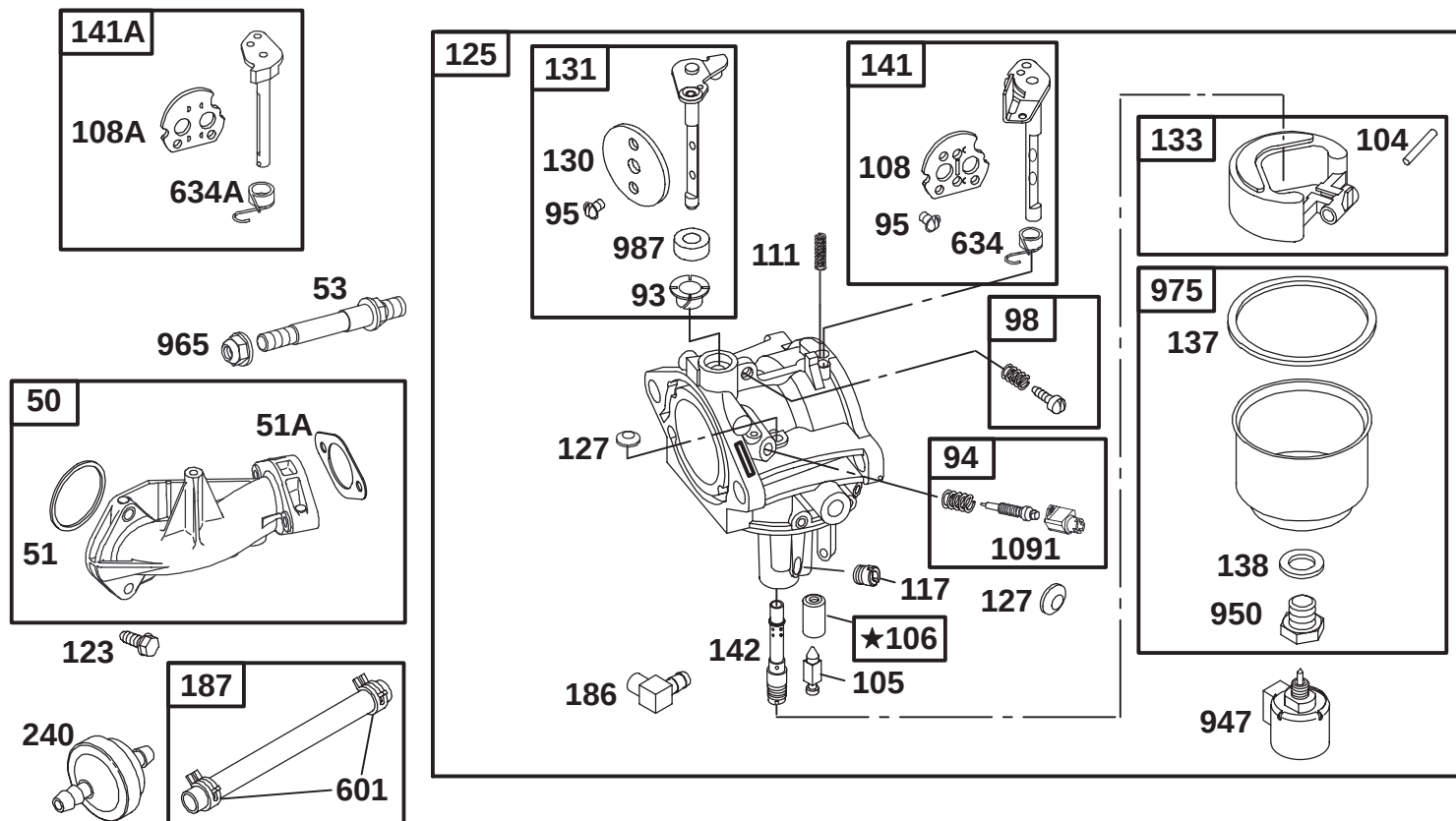
## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
|          | 495855   | Ring Set (.030" O.S.)     | 1        |
| 27       | 263129   | Lock—Piston Pin           | 1        |
| 28       | 498319   | Pin—Piston (Standard)     | 1        |
|          | 498320   | Pin—Piston (.005" O.S.)   | 1        |
| 29       | 692419   | Rod—Connecting (Standard) | 1        |
| 32       | 692852   | Screw—Conn. Rod           | 1        |
| 43       | 490815   | Governor/Oil Slinger      | 1        |
| 46       | 693450   | Camshaft                  | 1        |
| 146      | 94196    | Key—Timing Gear           | 1        |
| 224      | 691033   | Screw—Torx® Hex.          | 1        |
| 741      | 262932   | Gear—Timing               | 1        |
| 757      | 213998   | Link—Counterweight        | 1        |
| 758      | 499994   | Counterweight Assy.       | 1        |
| 759      | 230787   | Pin—Counterweight         | 1        |
| 761      | 94593    | Screw—Counterweight       | 1        |
| 943      | 280801   | Seal—O-Ring               | 1        |
| 965      | 499613   | Cover—Pump                | 1        |
| 1017     | 491722   | Screen—Oil Pump           | 1        |
| 1024     | 499054   | Pump—Oil                  | 1        |
| 1027     | 492932   | Filter—Oil                | 1        |

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

● Included in Carburetor Kit—Part No. 499233.  
 ◆ Included in Carburetor Gasket Set—Part No. 690192.



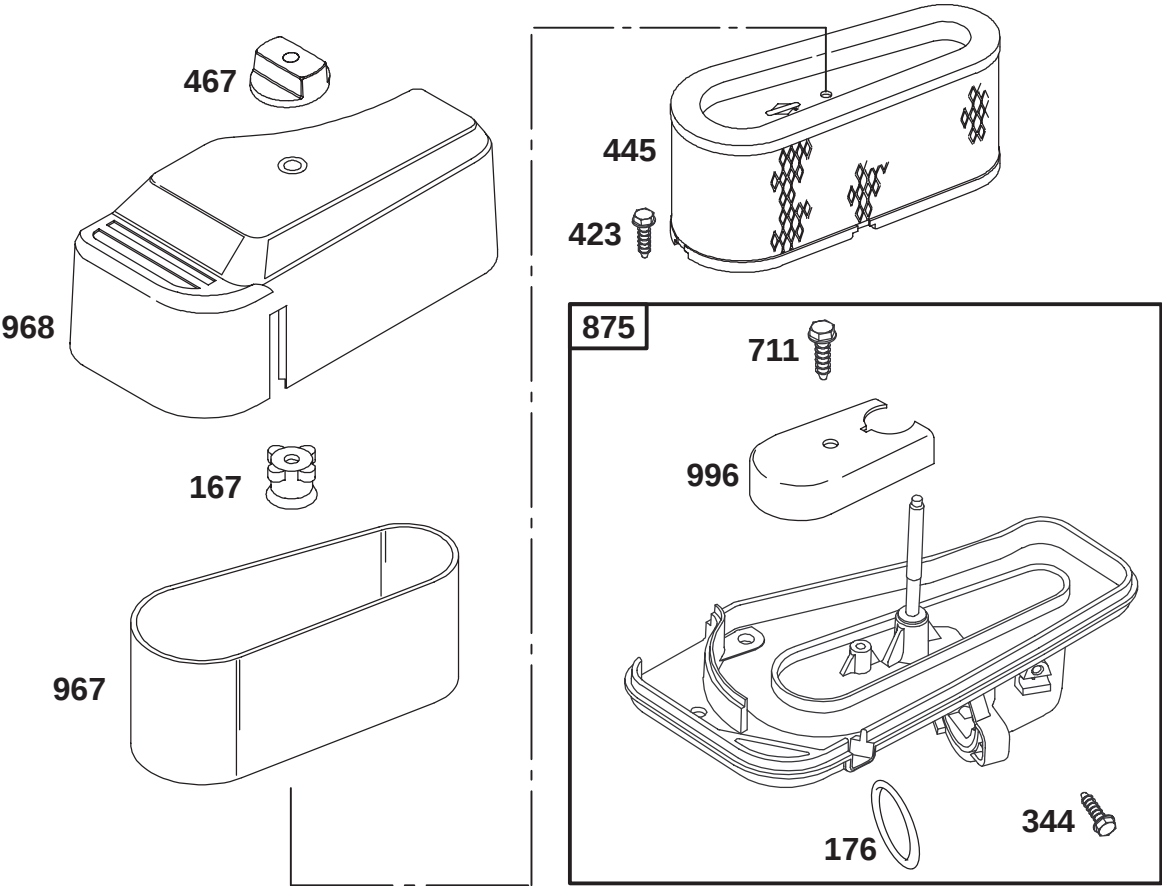
★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.** Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

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

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



Assemblies include all parts shown in frames.

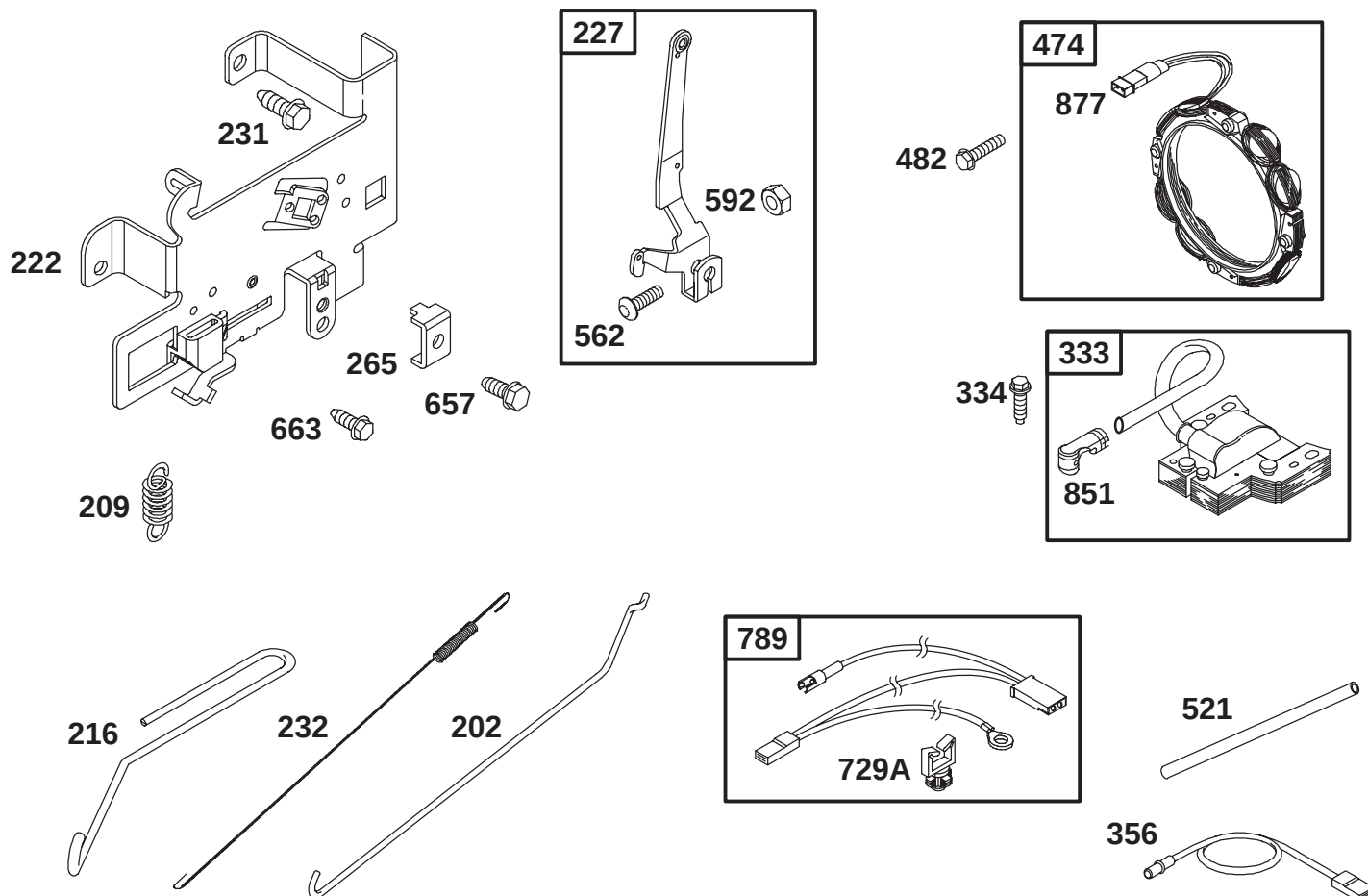
**ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1**

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

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

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

● Included in Carburetor Kit-Part No. 499233.  
◆ Included in Carburetor Gasket Set-Part No. 690192.



Assemblies include all parts shown in frames.

## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

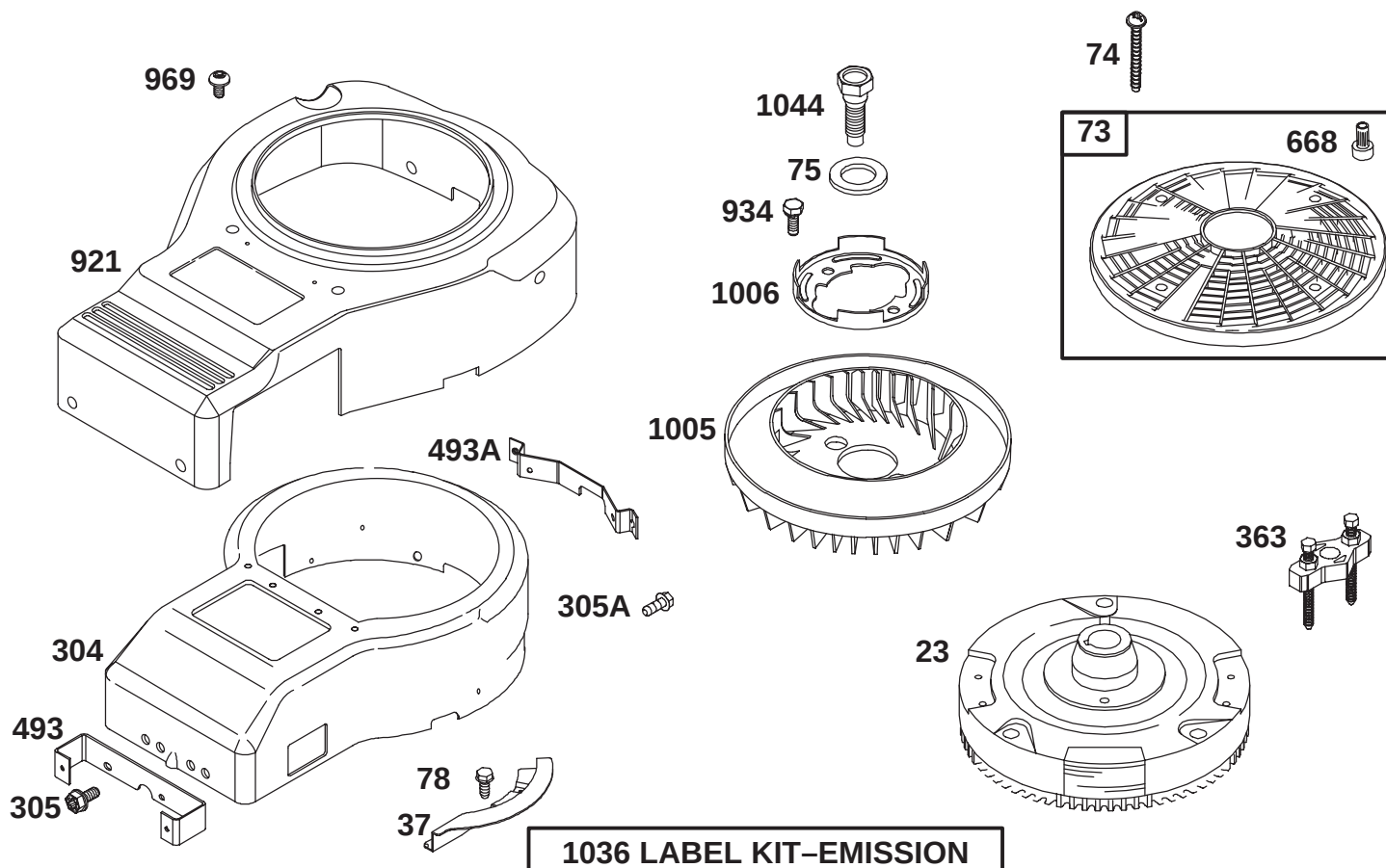
| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 482      | 93621    | Screw—Sem               | 1        |
| 521      | 272699   | Shield—Cable            | 1        |
| 562      | 94907    | Bolt—Governor Lever     | 1     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

★ Included in Gasket Set—Part No. 495993.

△ Included in Valve Overhaul Kit—Part No. 495992.

● Included in Carburetor Kit—Part No. 499233.

◆ Included in Carburetor Gasket Set—Part No. 690192.



Assemblies include all parts shown in frames.

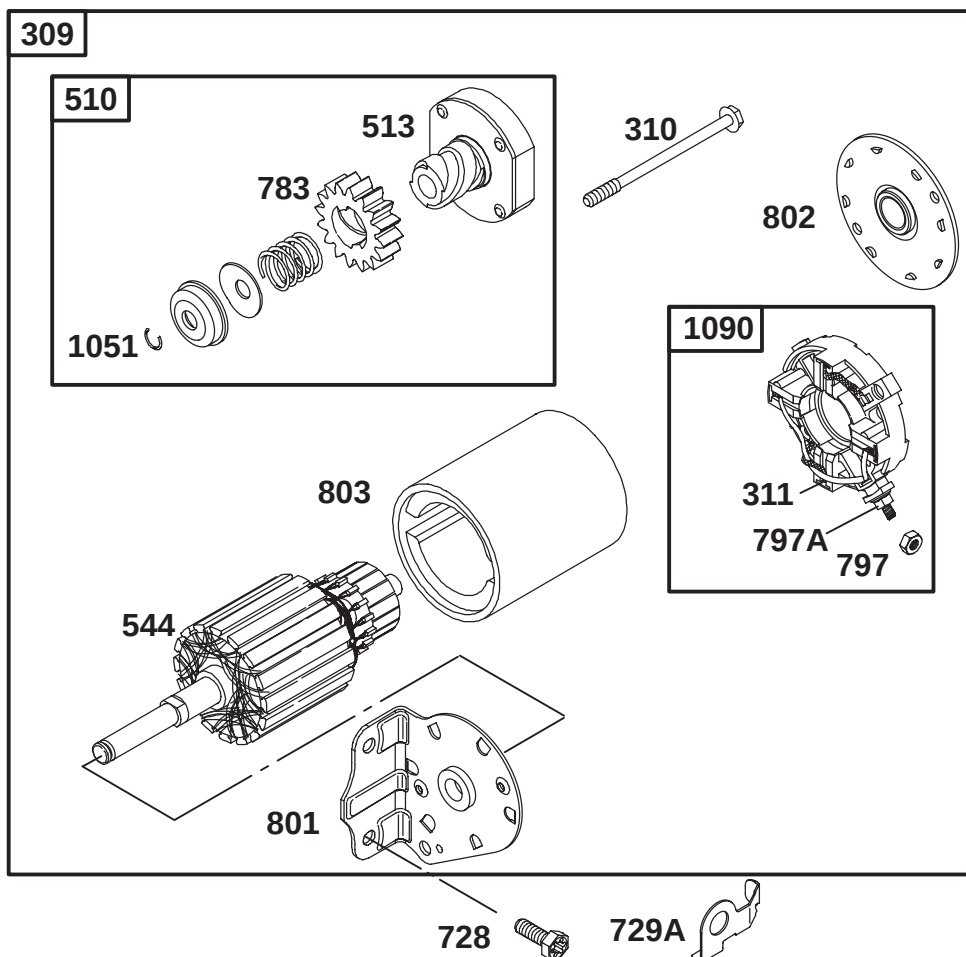
## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

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

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

● Included in Carburetor Kit-Part No. 499233.  
 ◆ Included in Carburetor Gasket Set-Part No. 690192.



## ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

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

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

● Included in Carburetor Kit-Part No. 499233.  
 ◆ Included in Carburetor Gasket Set-Part No. 690192.

**51A**  **137** 

**138** 

7 1022 868 883

This diagram shows the exploded view of a water pump assembly. The components are labeled with numbers:

- 3**: A small circular gasket or seal.
- 20**: A larger circular gasket or seal.
- 116**: A small circular gasket or seal.
- 176**: A small circular gasket or seal.
- 87**: A small circular gasket or seal.
- 12**: A large, irregularly shaped gasket or seal.
- 7**: A small circular gasket or seal.
- 524**: A small circular gasket or seal.
- 883**: A small circular gasket or seal.
- 9**: A small rectangular gasket or seal.
- 868**: A small circular gasket or seal.
- 1022**: A large rectangular gasket or seal.

# ENGINE BRIGGS & STRATTON MODEL 28Q777-0690-E1

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

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