Form Number 3328-531 Rev A

# 170-DH Lawn Tractor

**Model No. 74570 - 220000001 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.

© The Toro Company - 2008
All Rights Reserved

Register your product at www.Toro.com

# Contents


| Description | Page |
|---|---|
| Body Assembly | 3 |
| Front Axle Assembly | 5 |
| Steering Assembly | 6 |
| Body Assembly | 7 |
| Engine Assembly | 9 |
| Operation Brake By-Pass Assembly | 10 |
| Operation Travel Pedals Assembly | 11 |
| Transmission Drive Assembly | 12 |
| Control Shaft Assembly | 14 |
| Differential Gear Assembly | 15 |
| Final Pinion Assembly | 16 |
| Axle Shaft Assembly | 17 |
| Brake Assembly | 18 |
| Fan Pulley Assembly | 19 |
| Range Shift Assembly | 20 |
| Center Case Assembly | 21 |
| Pump Shaft Assembly | 22 |
| Motor Shaft Assembly | 23 |
| Transaxle Case Assembly | 24 |
| Chute Collector Assembly | 25 |
| Grass Collector Assembly | 26 |
| Operation Cutting Pan Assembly | 27 |
| Cutting Pan Assembly | 28 |
| Operation Mower Lift Assembly | 29 |
| Electrical Assembly | 30 |
| Electrical Assembly (continued) | 31 |
| Electrical Assembly (continued) | 32 |
| Electrical Assembly (continued) | 33 |
| Cylinder Assembly Briggs and Stratton 311777-0151-E1 | 34 |
| Cylinder Head Assembly Briggs and Stratton 311777-0151-E1 | 35 |
| Crankcase Assembly Briggs and Stratton 311777-0151-E1 | 36 |
| Carburetor Assembly Briggs and Stratton 311777-0151-E1 | 37 |
| Governor Assembly Briggs and Stratton 311777-0151-E1 | 38 |
| Oil Filter, Tube, and Pump Assembly Briggs and Stratton 311777-0151-E1 | 39 |
| Air Cleaner Assembly Briggs and Stratton 311777-0151-E1 | 40 |
| Blower Housing Assembly Briggs and Stratton 311777-0151-E1 | 41 |
| Starter Assembly Briggs and Stratton 311777-0151-E1 | 42 |
| Carburetor Overhaul Kit Assembly Briggs and Stratton 311777-0151-E1 | 43 |


# Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| | |
|---|---|
| AR | as required |
| ASM | assembly |
| BBC | blade brake clutch |
| CARR | carriage |
| DEG | degrees |
| EXT | external |
| FH | flat head |
| GA | gauge |
| HD | heavy-duty |
| HF | hex flange |
| HH | hex head |
| HHF | hex head flange |
| HHFTF | hex head flange thread forming |
| HJ | hex jam |
| HLH | hex lag head |
| HOC | height-of-cut |
| HSBH | hex socket button head |
| HSFH | hex socket flat head |
| HSH | hex socket head |
| HWH | hex washer head |
| HWHTF | hex washer head thread forming |
| HYD | hydraulic |
| LH | left hand |
| NI | nylon insert |
| NPTF | national pipe thread fine |
| PFH | phillips flat head |
| PPH | phillips pan head |
| PPHTF | phillips pan head thread forming |
| PRH | phillips round head |
| PTH | phillips truss head |
| PTO | power-take-off |
| RH | right hand |
| ROPS | roll-over protection system |
| SFH | slotted fillister head |
| SHH | slotted hex head |
| SHWH | slotted hex washer head |
| SPH | slotted pan head |
| SQH | square head |
| SRH | slotted round head |
| STD | standard |
| TAP | self tapping |
| TTH | torx truss head |

# Footnotes

❶ Not illustrated

❷ Not serviced separately

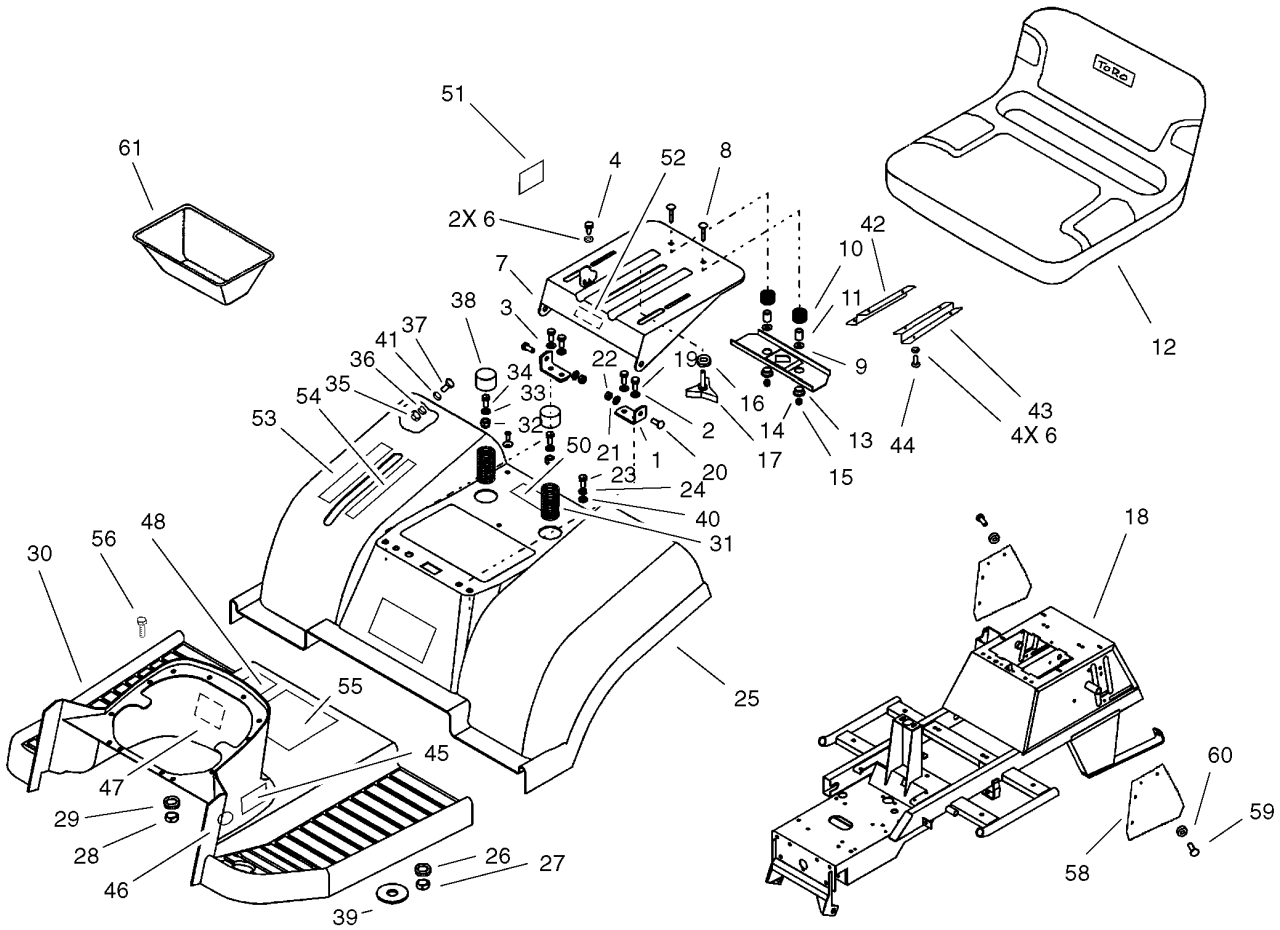
❸ Included in Gasket Set-Ref. 358.

❹ Included in Carburetor Kit-Ref. 121

❺ Included in Valve Overhaul Kit-Ref. 1033.

❻ Included in Carburetor Gasket Set-Ref. 977.

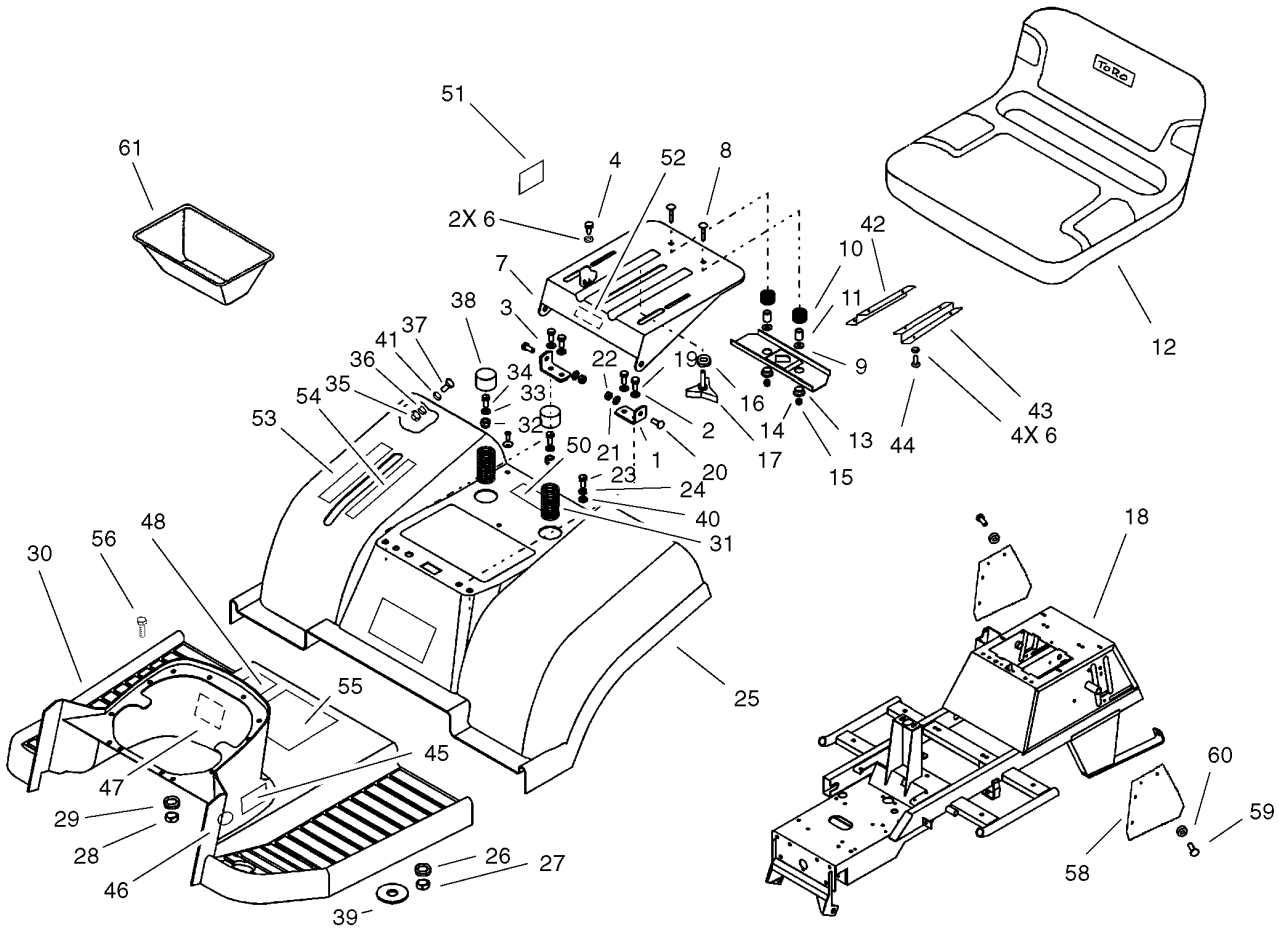
❼ Obtain from your local Briggs & Stratton dealer




# Body Assembly

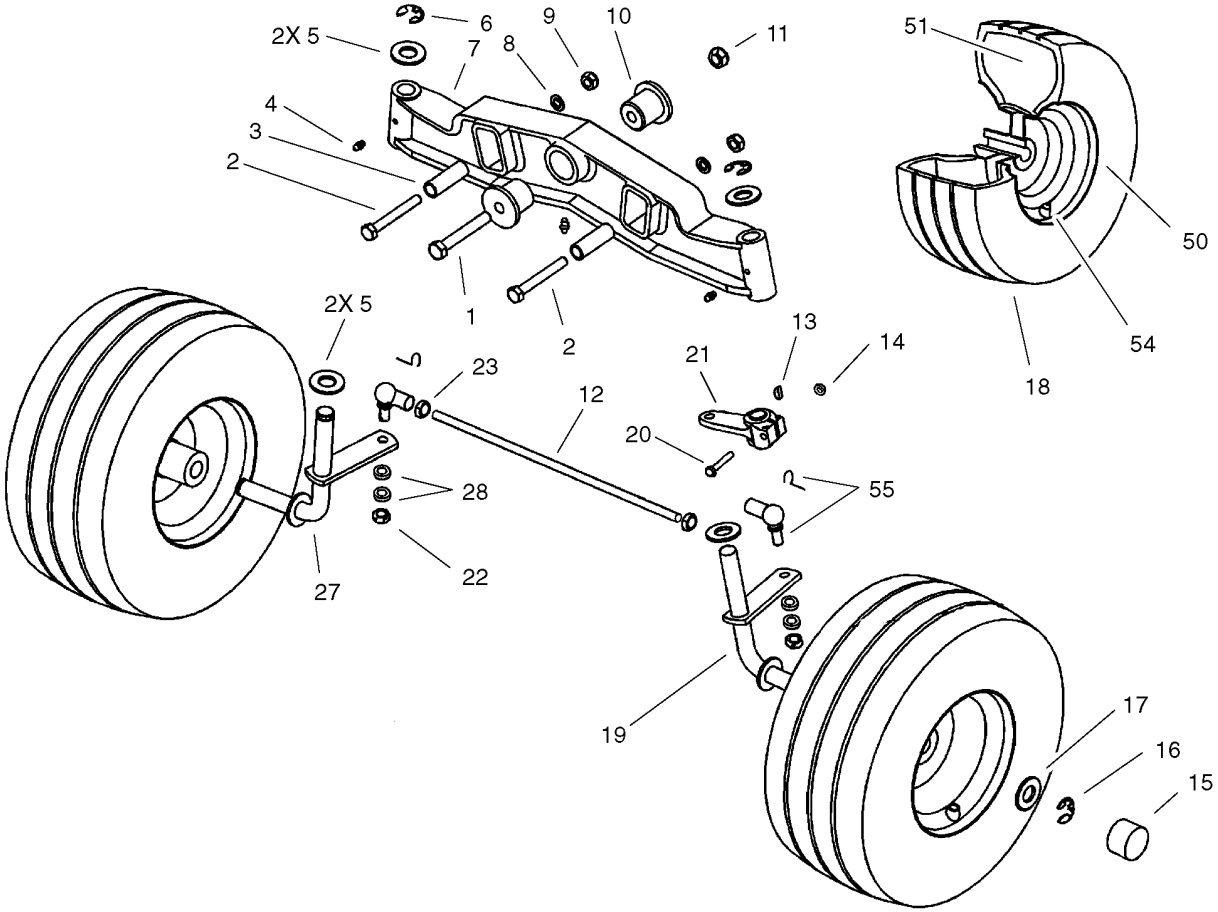
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-2926 | 2 | Bracket-Support, Seat |
| 2 | 104-2927 | 4 | Washer-Spring |
| 3 | 33114-025 | 3 | Screw-HH |
| 4 | 104-3192 | 2 | Bolt-Hex |
| 6 | 104-2927 | 6 | Washer-Spring |
| 7 | 104-2929 | 1 | Support-Seat |
| 8 | 104-2930 | 2 | Bolt-Carriage |
| 9 | 104-2931 | 2 | Washer-Flat |
| 10 | 104-2932 | 2 | Spring-Seat |
| 11 | 104-2933 | 2 | Spacer-Split |
| 12 | 88-3950 | 1 | Seat |
| 13 | 104-2934 | 1 | Bracket |
| 14 | 104-2935 | 2 | Bushing |
| 15 | 33023-00 | 2 | Nut-Lock |
| 16 | 104-2936 | 2 | Washer-Spring |
| 17 | 104-2937 | 2 | Knob-Adj. |
| 18 | 104-2938 | 1 | Frame-Chassis |
| 19 | 33114-030 | 1 | Screw-HH |
| 20 | 104-2939 | 2 | Screw-Support, Seat |
| 21 | 33094-00 | 6 | Washer-Plain |
| 22 | 33024-00 | 6 | Nut-Lock |
| 23 | 104-2940 | 2 | Screw-HSFH |
| 24 | 104-2941 | 2 | Washer-Finish |
| 25 | 106-5752 | 1 | Fender |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 33095-00 | 4 | Washer-Flat |
| 27 | 33025-00 | 4 | Nut-Lock |
| 28 | 87-5140 | 6 | Nut-Lock |
| 29 | 104-2943 | 6 | Washer-Flat |
| 30 | 104-2944 | 1 | Footrest ASM |
| 31 | 104-2945 | 2 | Spring-Seat |
| 32 | 33024-00 | 2 | Nut-Lock |
| 33 | 104-2946 | 6 | Washer-Plain |
| 34 | 33114-020 | 2 | Screw-HH |
| 35 | 87-5140 | 6 | Nut-Lock |
| 36 | 104-2943 | 6 | Washer-Flat |
| 37 | 104-2948 | 6 | Bolt-Carriage |
| 38 | 104-2857 | 2 | Cap-Hub |
| 39 | 104-2949 | 2 | Washer-Rubber |
| 39 | 104-2951 | 2 | Washer-Rubber |
| 40 | 104-2952 | 2 | Washer-Rubber |
| 41 | 104-2952 | 6 | Washer-Rubber |
| 42 | 104-2953 | 1 | Bracket-Right Seat |
| 43 | 104-2954 | 1 | Bracket-Left Seat |
| 44 | 104-3195 | 4 | Screw |
| 45 | 100-9124 | 2 | Decal - Tower 170Dh |
| 46 | 104-3237 | 1 | Decal-Brake, Parking |
| 47 | 104-3238 | 1 | Decal-Starting |
| 48 | 104-3241 | 1 | Decal-Operation, Hydro |




# Body Assembly (continued)

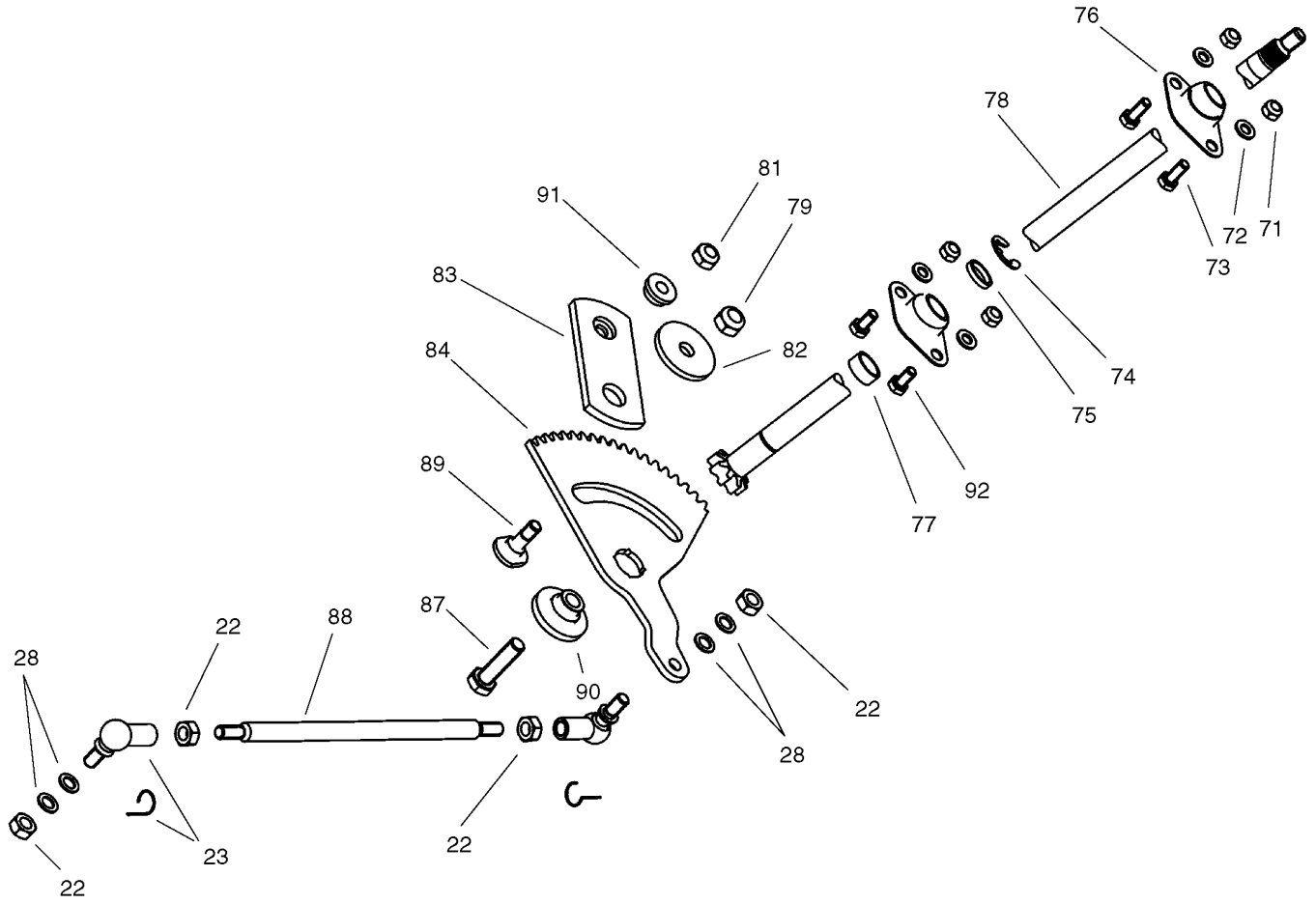
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 50 | 104-3242 | 1 | Decal-Bag To Frame |
| 51 | 99-5340 | 1 | Decal-Switch |
| 52 | 93-7276 | 1 | Decal-Danger |
| 53 | 104-3240 | 1 | Decal-HOC, RH |
| 54 | 104-3239 | 1 | Decal-HOC, LH |
| 55 | 104-2903 | 1 | Decal-Instruction |
| 56 | 60-6910 | 6 | Screw |
| 58 | 106-5753 | 2 | Cover-Rear |
| 59 | 106-5754 | 1 | Screw |
| 60 | 106-5755 | 8 | Washer-Flat |
| 61 | 106-5756 | 1 | Box-Battery |




# Front Axle Assembly

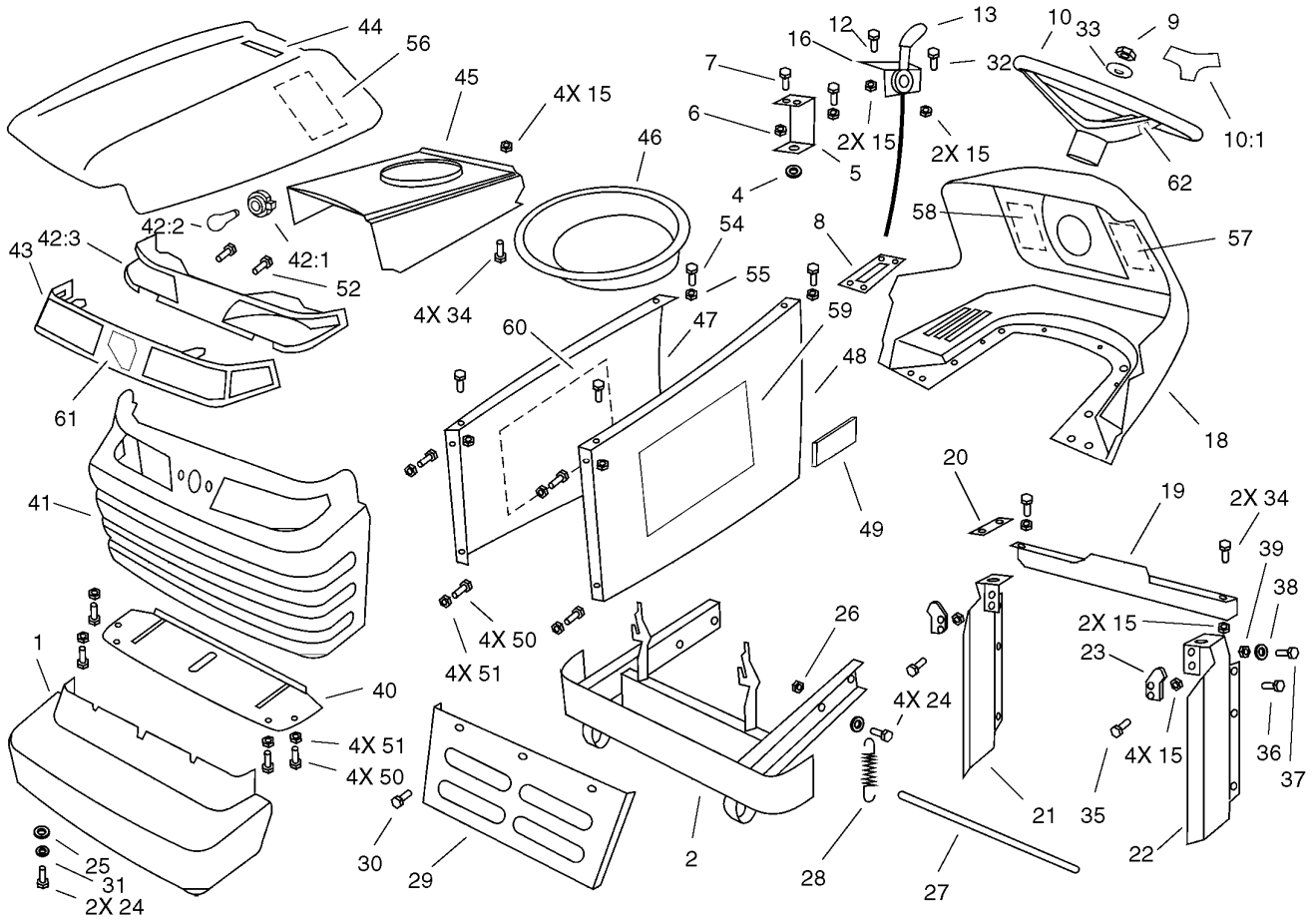
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 33116-090 | 1 | Screw-HH |
| 2 | 33115-080 | 2 | Screw-HH |
| 3 | 104-2851 | 2 | Spacer |
| 4 | 104-2904 | 3 | Fitting-Grease |
| 5 | 104-2905 | 4 | Washer-Flat |
| 6 | 104-2891 | 2 | Clip-Spring |
| 7 | 104-2852 | 1 | Axle-Front |
| 8 | 104-2906 | 2 | Washer-Flat |
| 9 | 33025-00 | 2 | Nut-Lock |
| 10 | 104-2890 | 2 | Bushing-Axle, Front |
| 11 | 104-2907 | 1 | Nut-Self Locking |
| 12 | 104-2855 | 1 | Rod-Tie, Front Axle |
| 13 | 104-2856 | 1 | Key-Woodruff |
| 14 | 33023-00 | 1 | Nut-Lock |
| 15 | 104-2857 | 2 | Cap-Hub |
| 16 | 104-2891 | 2 | Clip-Spring |
| 17 | 104-3206 | 2 | Washer |
| 18 | 104-2858 | 2 | Front Tire Wheel ASM |
| 19 | 104-2860 | 1 | Spindle-LH |
| 20 | 33113-045 | 1 | Screw-HH |
| 21 | 104-2862 | 1 | Lever-Spindle, Steering |
| 22 | 33015-00 | 4 | Nut-Hex |
| 23 | 21-0360 | 2 | Nut-Hex |
| 27 | 104-2866 | 1 | Spindle-RH |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 28 | 106-5757 | 4 | Washer |
| 50 | 104-2868 | 2 | Tyre -Turf Saver, 2-Ply |
| 51 | 104-2870 | 2 | Tube |
| 54 | 104-2875 | 2 | Valve-Tyre |
| 55 | 104-2876 | 2 | Joint-Ball, Angle |




# Steering Assembly

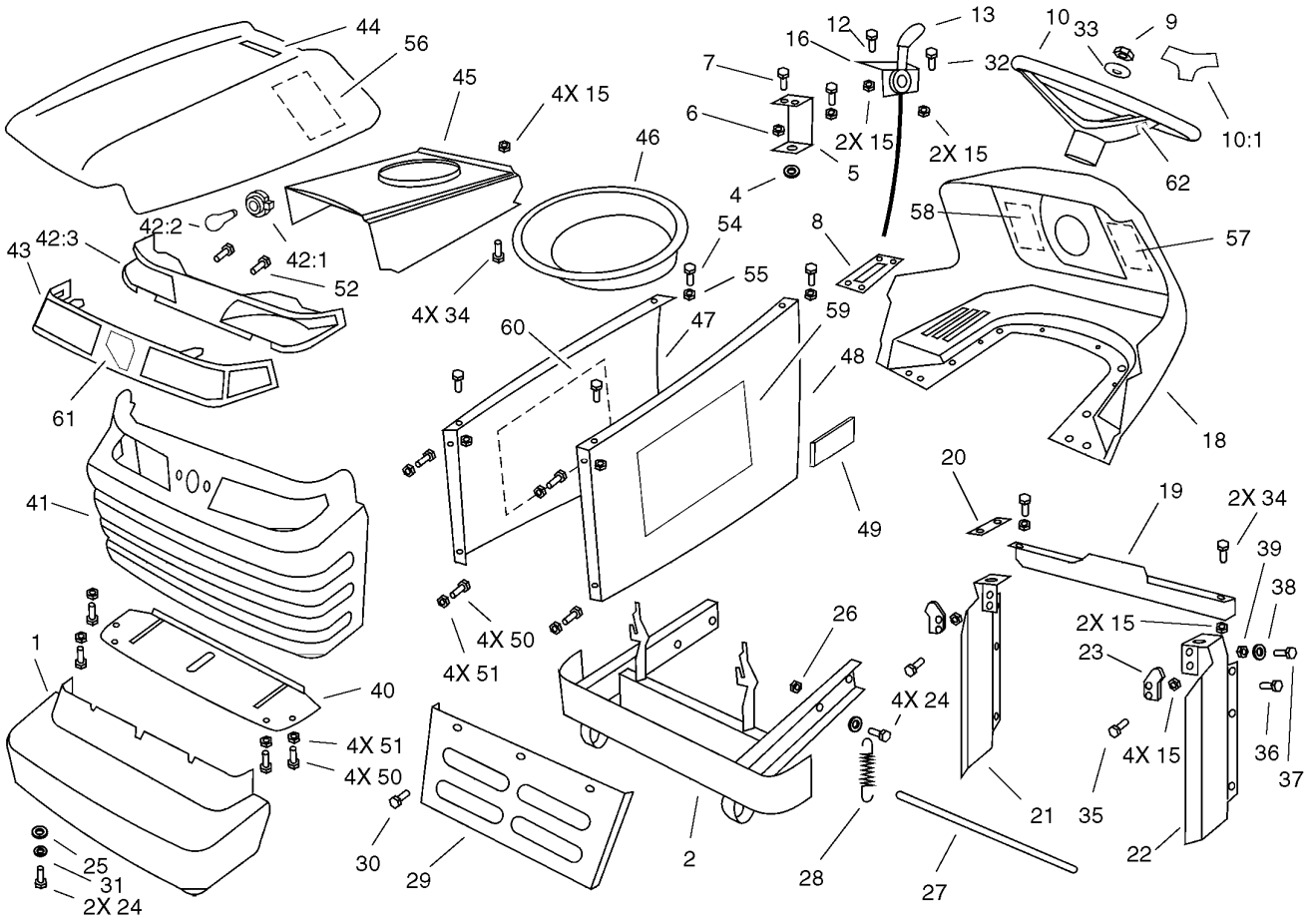
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 22 | 33015-00 | 4 | Nut-Hex |
| 23 | 104-2863 | 2 | Hsg-Ball Angle |
| 28 | 106-5757 | 4 | Washer |
| 71 | 33024-00 | 4 | Nut-Lock |
| 72 | 33094-00 | 4 | Washer-Plain |
| 73 | 33114-020 | 2 | Screw-HH |
| 74 | 104-2891 | 1 | Clip-Spring |
| 75 | 104-2877 | 1 | Spacer-Upper |
| 76 | 104-2878 | 2 | Bearing-Spherical |
| 77 | 104-2879 | 1 | Spacer-Lower |
| 78 | 106-5773 | 1 | Shaft-Steering |
| 79 | 33026-00 | 1 | Nut-Lock |
| 81 | 33025-00 | 1 | Nut-Lock |
| 82 | 33094-00 | 1 | Washer-Plain |
| 83 | 105-1238 | 1 | Plate-Steering |
| 84 | 104-2883 | 1 | Gear-Sector |
| 87 | 104-2910 | 1 | Screw-Hex |
| 88 | 104-2886 | 1 | Link-Drag |
| 89 | 105-1239 | 1 | Bolt-Shoulder |
| 90 | 105-1240 | 1 | Pivot-Steering |
| 91 | 105-1241 | 1 | Bushing |
| 92 | 33114-016 | 2 | Screw-HH |




# Body Assembly

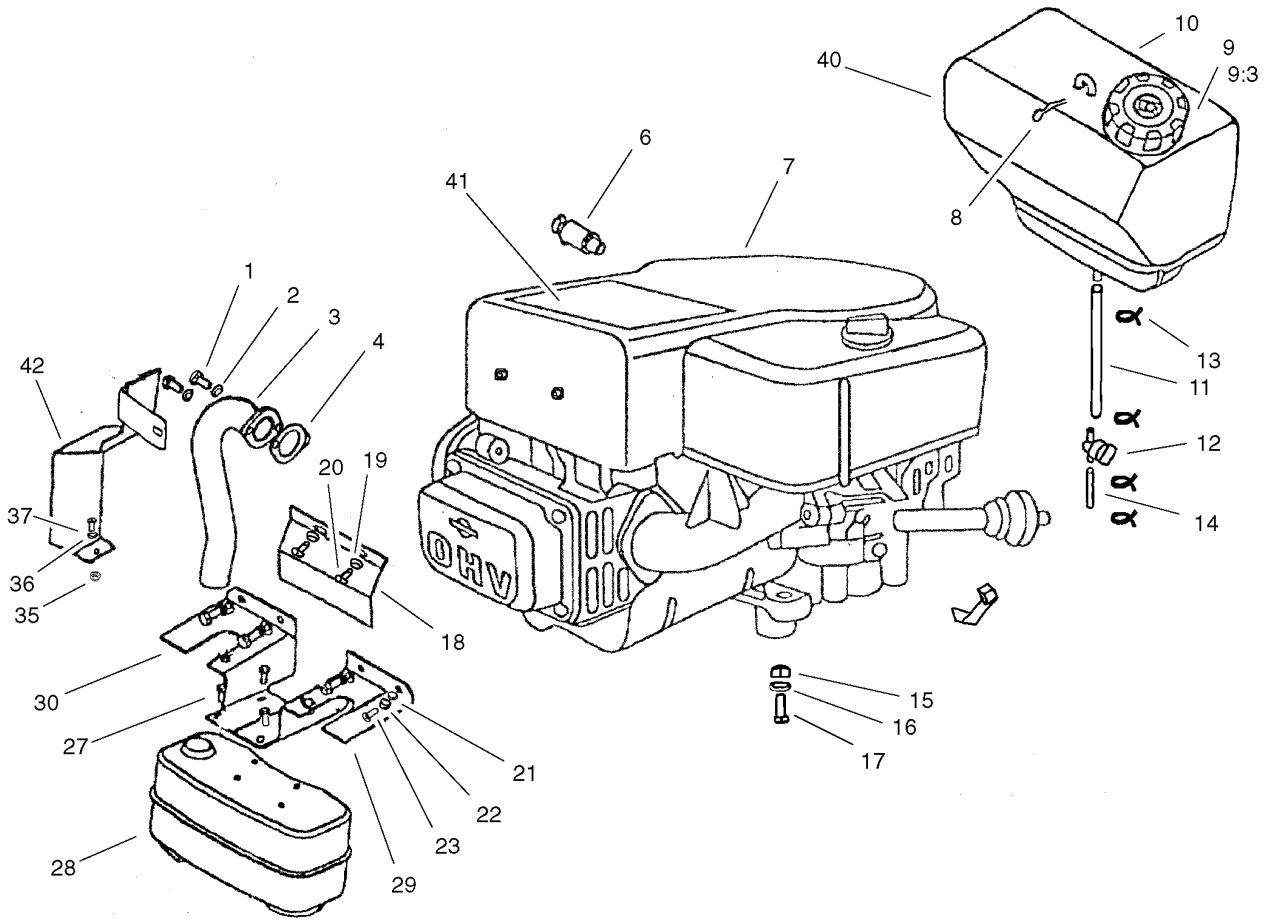
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-2955 | 1 | Cover-Bumper |
| 2 | 104-2956 | 1 | Bumper |
| ❶3 | 104-2957 | 1 | Hood ASM |
| 4 | 104-2959 | 1 | Bushing |
| 5 | 104-2960 | 1 | Holder-Tank, Fuel |
| 6 | 33023-00 | 2 | Nut-Lock |
| 7 | 104-2961 | 2 | Screw |
| 8 | 104-2962 | 1 | Brace |
| 9 | 33026-00 | 1 | Nut-Lock |
| 10 | 98-1471 | 1 | Wheel-Steering |
| 10:1 | 98-1468 | 1 | Cover-Wheel, Steering |
| 12 | 104-2966 | 2 | Screw-Flt HD |
| 13 | 66-0120 | 1 | Knob |
| 15 | 87-5140 | 14 | Nut-Lock |
| 16 | 106-4166 | 1 | Cable-Throttle And Choke |
| 18 | 104-2968 | 1 | Panel-Dash |
| 19 | 104-2970 | 1 | Brace |
| 20 | 104-2971 | 1 | Bracket |
| 21 | 104-2972 | 1 | Panel-Right |
| 22 | 104-2973 | 1 | Panel-Left |
| 23 | 92-6960 | 2 | Latch-Hood |
| 24 | 33114-020 | 6 | Screw-HH |
| 25 | 104-2946 | 6 | Washer-Plain |
| 26 | 33024-00 | 4 | Nut-Lock |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 104-2974 | 1 | Bar-Safety |
| 28 | 104-2975 | 1 | Spring-Hood |
| 29 | 104-2976 | 1 | Shield-Heat |
| 30 | 104-2977 | 3 | Screw-Slf Drl |
| 31 | 104-2927 | 2 | Washer-Spring |
| 32 | 106-5759 | 2 | Screw |
| 33 | 106-5758 | 1 | Washer |
| 34 | 104-2980 | 6 | Screw |
| 35 | 104-2981 | 4 | Screw |
| 36 | 104-2982 | 4 | Screw |
| 37 | 104-2983 | 2 | Screw |
| 38 | 104-2984 | 6 | Washer |
| 39 | 104-2985 | 6 | Nut-Hex |
| 40 | 104-2986 | 1 | Bracket |
| 41 | 100-1344 | 1 | Grill |
| ❶42 | 88-3970 | 1 | Reflector And Lamp ASM |
| 42:1 | 111686 | 2 | Socket-Light |
| 42:2 | 7228 | 2 | Bulb |
| 42:3 | 93-8741 | 1 | Reflector |
| 43 | 92-6656 | 1 | Lens - Headlight |
| 44 | 92-6658 | 1 | Hood-Top |
| 45 | 104-3245 | 1 | Hood - Baffle |
| 46 | 104-2988 | 1 | Plennum-Air |
| 47 | 92-6650 | 1 | Side-Hood, RH |




# Body Assembly (continued)

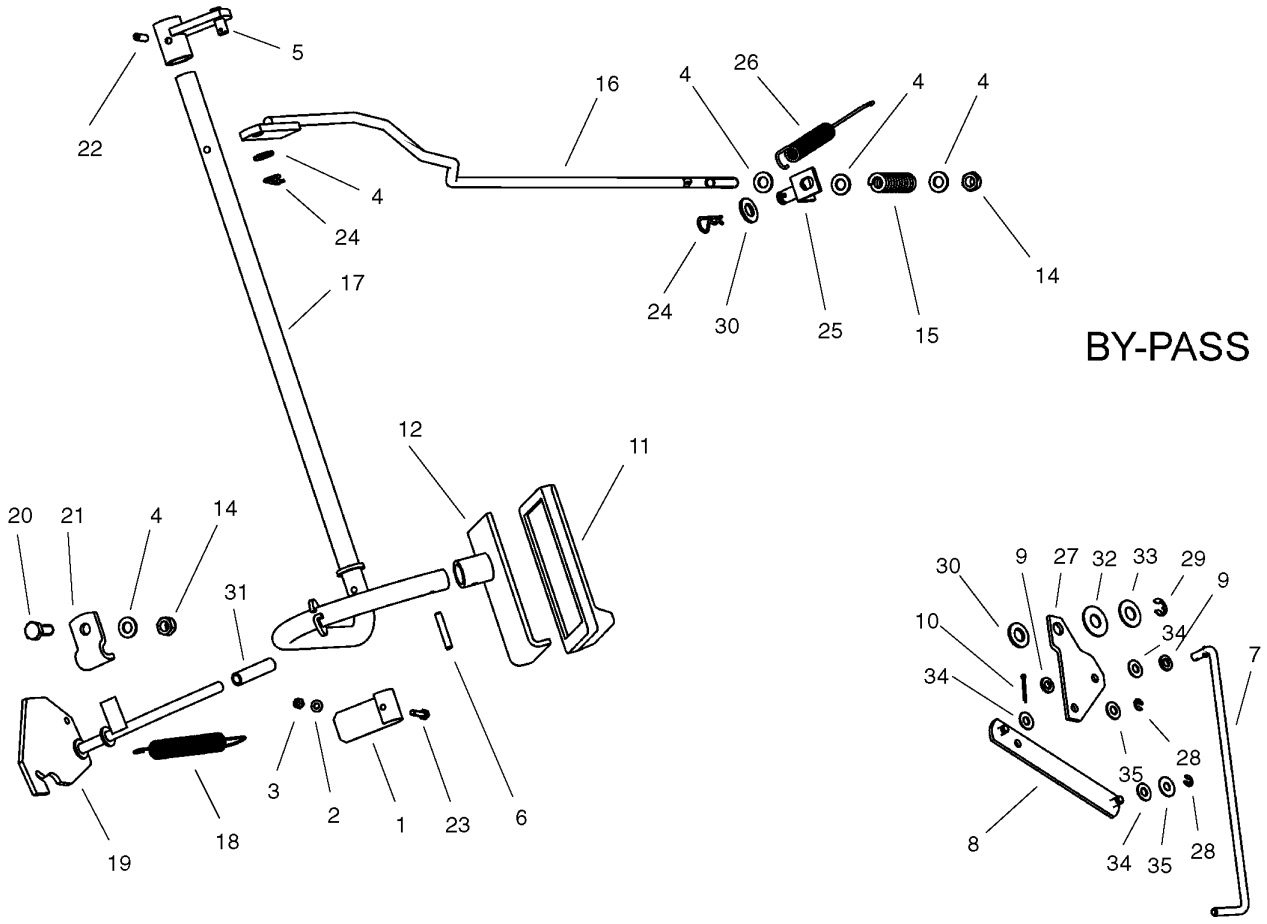
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 48 | 92-6652 | 1 | Side-Hood, LH |
| 49 | 92-7148 | 2 | Foam-Sidepanel |
| 50 | 104-2990 | 8 | Screw |
| 51 | 104-2991 | 8 | Nut-Hex |
| 52 | 46-8093 | 2 | Screw-Plastite |
| 54 | 32105-15 | 4 | Screw |
| 55 | 92-7006 | 4 | Nut |
| 56 | 94-1980 | 2 | Foam-Hood |
| 57 | 104-3235 | 1 | Decal-PTO |
| 58 | 104-3236 | 1 | Decal-Choke/Throttle/Key |
| 59 | 95-0801 | 1 | Decal-Hood, LH |
| 60 | 95-0800 | 1 | Decal-Hood, RH |
| 61 | 92-6987 | 1 | Emblem-Horsehead |
| 62 | 98-1459 | 1 | Decal |




# Engine Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 322-3 | 2 | Screw-HH |
| 2 | 104-2927 | 2 | Washer-Spring |
| 3 | 104-3221 | 1 | Tube-Exhaust |
| 4 | 88-4410 | 1 | Gasket-Muffler |
| 6 | 104-3208 | 1 | Valve-Oil Drain |
| ❷7 | | 1 | Engine-Briggs And Stratton, Intek, 1Cyl Model 311777-0151-E1 |
| 8 | 104-3144 | 1 | Pin-Hair |
| 9 | 88-3980 | 1 | Gas Cap ASM |
| 9:3 | 88-4010 | 1 | Gasket-Cap, Gas |
| 10 | 104-3057 | 1 | Tank-Fuel |
| 11 | 104-3211 | 1 | Line-Fuel |
| 12 | 104-3224 | 1 | Valve-Tank, Fuel |
| 13 | 104-3212 | 4 | Clamp-Line, Fuel |
| 14 | 104-3213 | 1 | Line-Fuel |
| 15 | 33024-00 | 4 | Nut-Lock |
| 16 | 33094-00 | 4 | Washer-Plain |
| 17 | 33114-035 | 4 | Screw-HH |
| 18 | 104-3222 | 1 | Cover-Front |
| 19 | 104-2931 | 2 | Washer-Flat |
| 20 | 106-5763 | 2 | Screw |
| 21 | 104-2979 | 4 | Washer-Flat |
| 22 | 104-2927 | 4 | Washer-Spring |

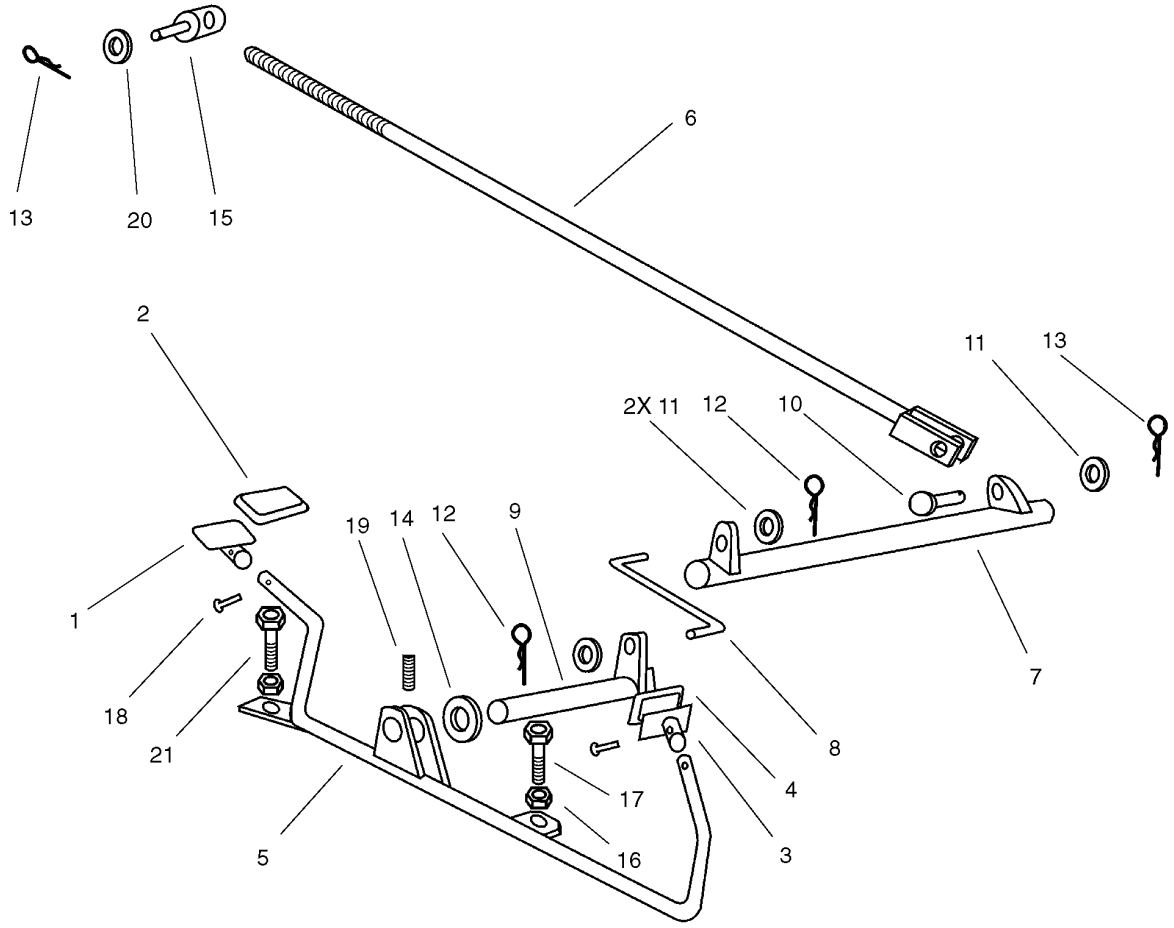
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 23 | 33114-020 | 4 | Screw-HH |
| 27 | 106-5763 | 4 | Screw |
| 28 | 104-3229 | 1 | Muffler |
| 29 | 104-3214 | 1 | Guard-Muffler, LH |
| 30 | 104-3215 | 1 | Guard-Muffler, RH |
| 35 | 33013-00 | 1 | Nut-Hex |
| 36 | 104-3186 | 1 | Washer-Spring |
| 37 | 33113-016 | 1 | Screw-HH |
| 40 | 104-3220 | 1 | Tank-Fuel W/Cap |
| 41 | 104-2902 | 1 | Decal-Engine 17Hp |
| 42 | 105-1242 | 1 | Cover-Manifold, Exhaust |




# Operation Brake By-Pass Assembly

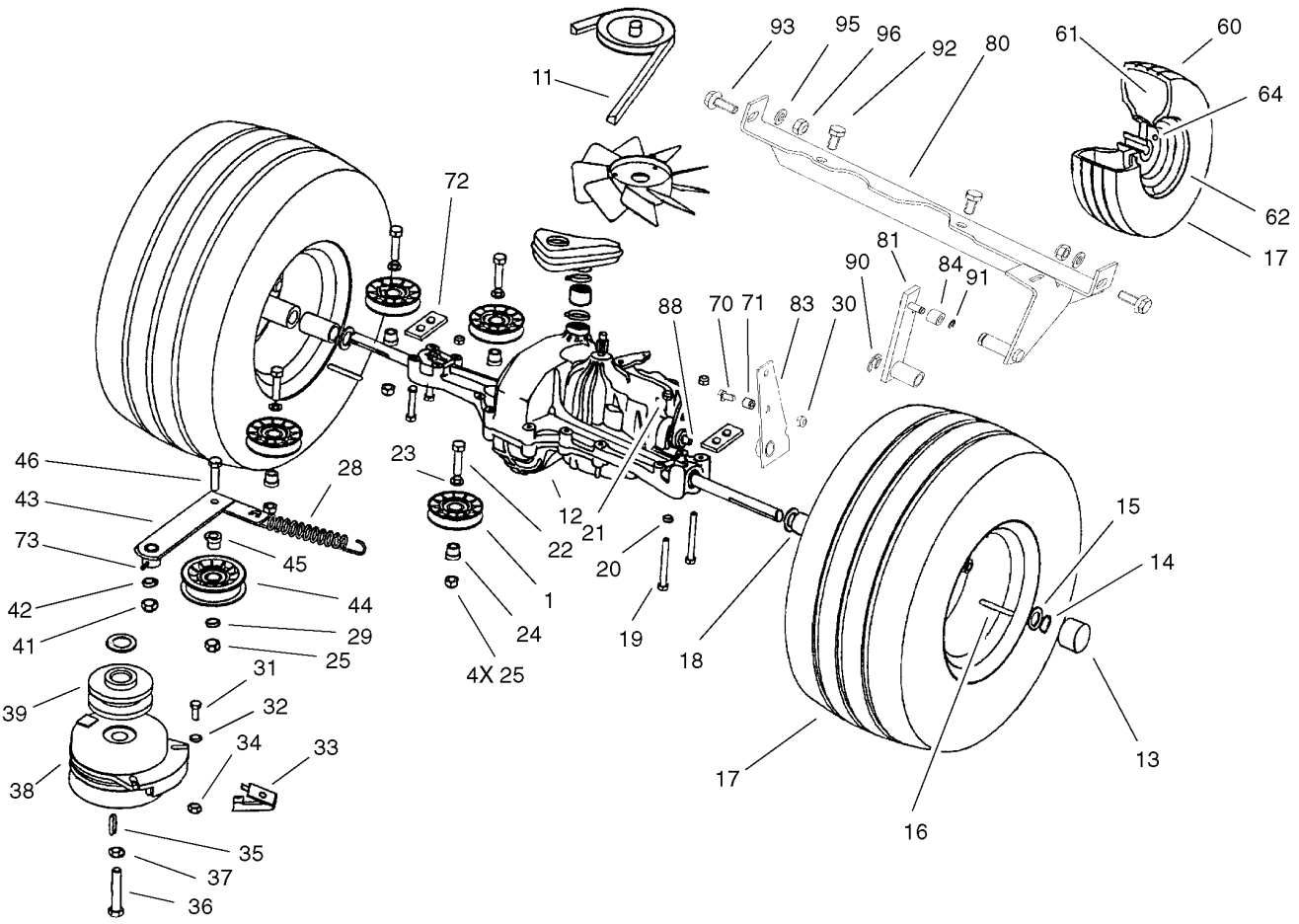
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-2992 | 1 | Lever-Spring |
| 2 | 104-2984 | 1 | Washer |
| 3 | 104-2985 | 1 | Nut-Hex |
| 4 | 33094-00 | 5 | Washer-Plain |
| 5 | 104-2993 | 1 | Bracket-Rod, Brake |
| 6 | 104-2994 | 1 | Pin-Spring |
| 7 | 104-2995 | 1 | Rod-Lever, Bypass |
| 8 | 104-3324 | 1 | Lever-Bypass |
| 9 | 104-3193 | 2 | Washer |
| 10 | 104-2997 | 1 | Pin-Cotter |
| 11 | 104-2998 | 1 | Pad-Pedal |
| 12 | 104-2999 | 1 | Pedal |
| 14 | 33024-00 | 2 | Nut-Lock |
| 15 | 104-3002 | 1 | Spring-Brake |
| 16 | 104-3003 | 1 | Rod-Connecting, Brake |
| 17 | 104-3004 | 1 | Shaft-Brake |
| 18 | 104-3005 | 1 | Spring-Brake, Hand |
| 19 | 104-3006 | 1 | Lever-Brake, Hand |
| 20 | 33114-020 | 1 | Screw-HH |
| 21 | 104-3007 | 1 | Clamp-Lever, Parking Brake |
| 22 | 104-3008 | 1 | Pin-Spring |
| 23 | 104-3009 | 1 | Screw-Hex |
| 24 | 104-3016 | 2 | Pin-Cotter |
| 25 | 104-3011 | 1 | Bracket-Rod, Brake |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 104-3012 | 1 | Spring |
| 27 | 104-3323 | 1 | Plate-Bypass |
| 28 | 104-3014 | 2 | Stirrup |
| 29 | 104-3015 | 1 | Stirrup |
| 30 | 33095-00 | 2 | Washer-Flat |
| 31 | 104-3247 | 1 | Cap |
| 32 | 106-5768 | 1 | Washer |
| 33 | 106-5769 | 1 | Washer |
| 34 | 106-5770 | 3 | Washer |
| 35 | 106-5771 | 2 | Washer |




# Operation Travel Pedals Assembly

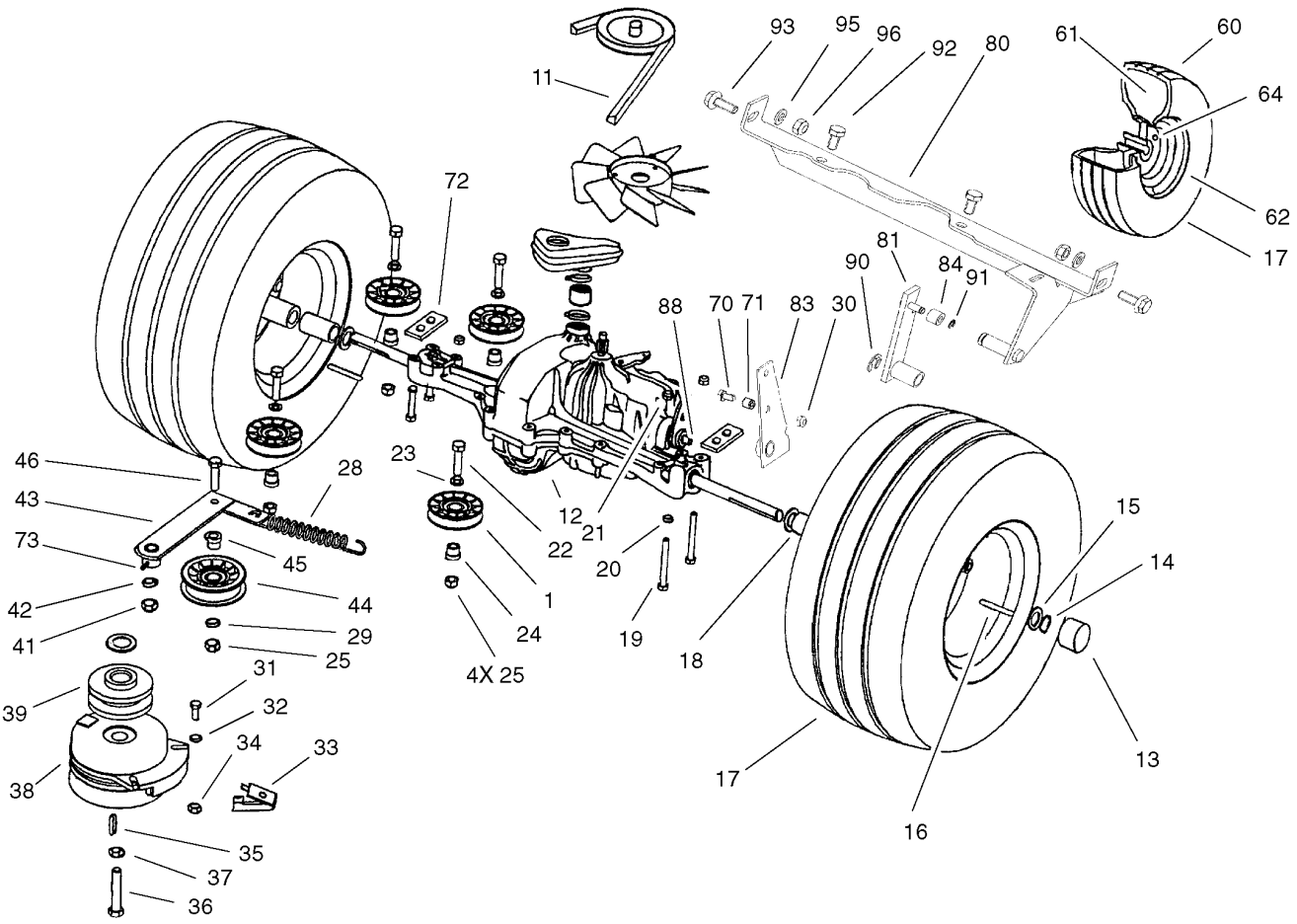
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3017 | 1 | Pedal-Rear, Travel |
| 2 | 104-3018 | 1 | Pad-Pedal |
| 3 | 104-3019 | 1 | Pedal-Travel, Front |
| 4 | 104-3020 | 1 | Pad-Pedal, Front |
| 5 | 104-3021 | 1 | Pad-Travel |
| 6 | 104-3022 | 1 | Rod-Tie |
| 7 | 104-3023 | 1 | Shaft-Diagonal |
| 8 | 104-3024 | 1 | Link-Formed |
| 9 | 104-3025 | 1 | Shaft-Diagonal |
| 10 | 104-3026 | 1 | Pin |
| 11 | 33095-00 | 3 | Washer-Flat |
| 12 | 104-3016 | 2 | Pin-Cotter |
| 13 | 104-3027 | 2 | Pin-Cotter |
| 14 | 104-3028 | 1 | Spacer |
| 15 | 104-3029 | 1 | Pin |
| 16 | 33014-00 | 2 | Nut-Hex |
| 17 | 43-3220 | 1 | Capscrew-HH |
| 18 | 104-3008 | 2 | Pin-Spring |
| 19 | 104-3030 | 1 | Pin-Spring |
| 20 | 104-3031 | 1 | Washer |
| 21 | 33114-025 | 1 | Screw-HH |




# Transmission Drive Assembly

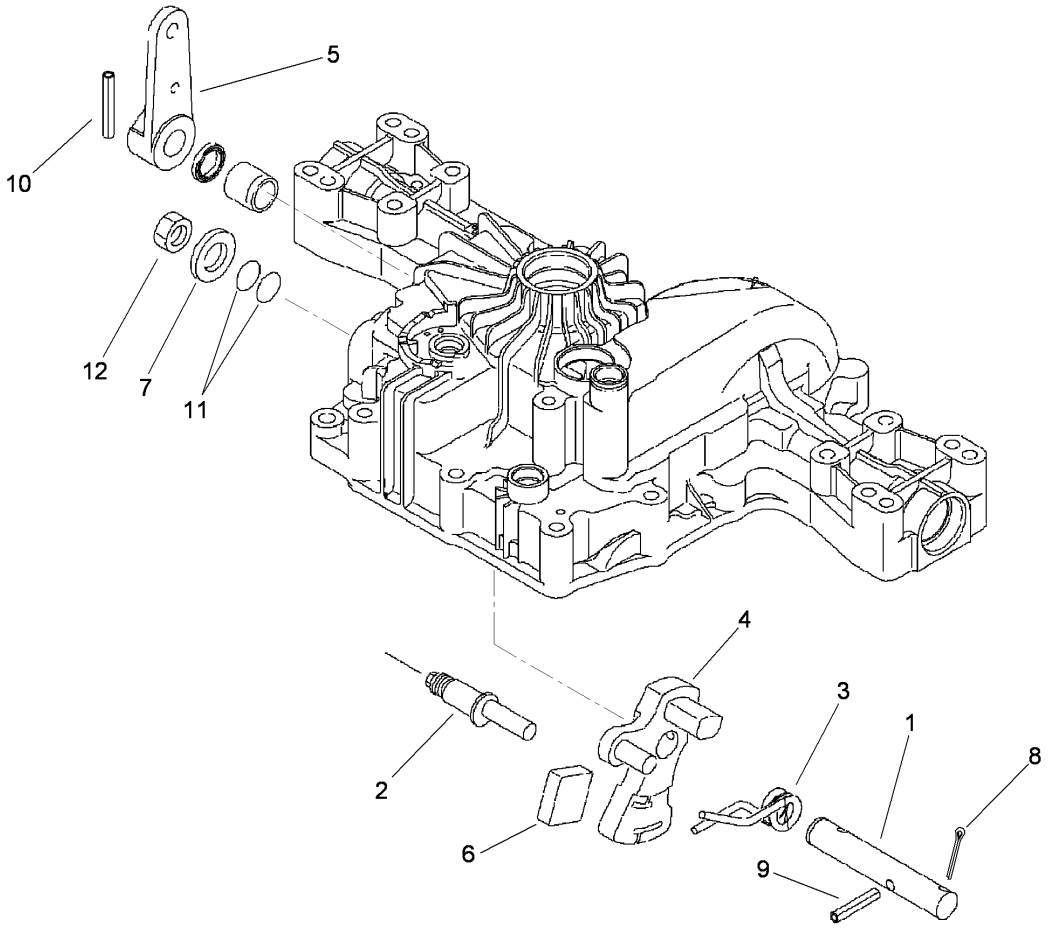
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-2887 | 4 | Pully-Idler |
| 11 | 104-2888 | 1 | V-Belt-Traction |
| 12 | 104-2889 | 1 | Transmission |
| 13 | 104-2857 | 2 | Cap-Hub |
| 14 | 104-2891 | 2 | Clip-Spring |
| 15 | 104-3206 | 4 | Washer |
| 16 | 104-2892 | 2 | Key-Square |
| 17 | 104-2893 | 2 | Rear Wheel Tyre ASM |
| 18 | 104-2895 | 2 | Spacer-Axle |
| 19 | 33114-080 | 4 | Screw-HH |
| 20 | 33094-00 | 8 | Washer-Plain |
| 21 | 33024-00 | 4 | Nut-Lock |
| 22 | 33115-040 | 4 | Screw-HH |
| 23 | 33095-00 | 4 | Washer-Flat |
| 24 | 104-2896 | 4 | Bushing-Idler |
| 25 | 33025-00 | 5 | Nut-Lock |
| 28 | 104-2897 | 1 | Spring |
| 29 | 33095-00 | 1 | Washer-Flat |
| 30 | 33025-00 | 1 | Nut-Lock |
| 31 | 33114-020 | 1 | Screw-HH |
| 32 | 33094-00 | 1 | Washer-Plain |
| 33 | 104-2898 | 1 | Retainer |
| 34 | 33024-00 | 1 | Nut-Lock |
| 35 | 104-2899 | 1 | Key-Square |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 36 | 3212-10 | 1 | Screw-HH |
| 37 | 93-9043 | 1 | Washer-Spring, Belleville |
| 38 | 104-3334 | 1 | Clutch-Electric |
| 39 | 104-2911 | 1 | Pulley-Engine |
| 41 | 33024-00 | 1 | Nut-Lock |
| 42 | 33094-00 | 1 | Washer-Plain |
| 43 | 104-2912 | 1 | Arm-Idler |
| 44 | 104-2913 | 1 | Pulley-Idler |
| 45 | 104-2896 | 1 | Bushing-Idler |
| 46 | 33115-040 | 1 | Screw-HH |
| 60 | 104-2916 | 2 | Tire-Turf Saver |
| 61 | 104-2918 | 2 | Tube |
| 62 | 104-2920 | 2 | Wheel ASM |
| 64 | 104-2922 | 8 | Nut-Wheel |
| 70 | 33115-045 | 1 | Screw-HH |
| 71 | 104-2925 | 1 | Sleeve |
| 72 | 104-3343 | 2 | Plate-Reinforcing |
| 73 | 104-2904 | 1 | Fitting-Grease |
| 80 | 104-3327 | 1 | Bar ASM |
| 81 | 104-3328 | 1 | Arm-Switch |
| 83 | 104-3326 | 1 | Tenon |
| 84 | 104-3329 | 1 | Roller |
| 88 | 104-3342 | 1 | Arm-Transaxle |
| 90 | 104-3341 | 1 | Stirrup |



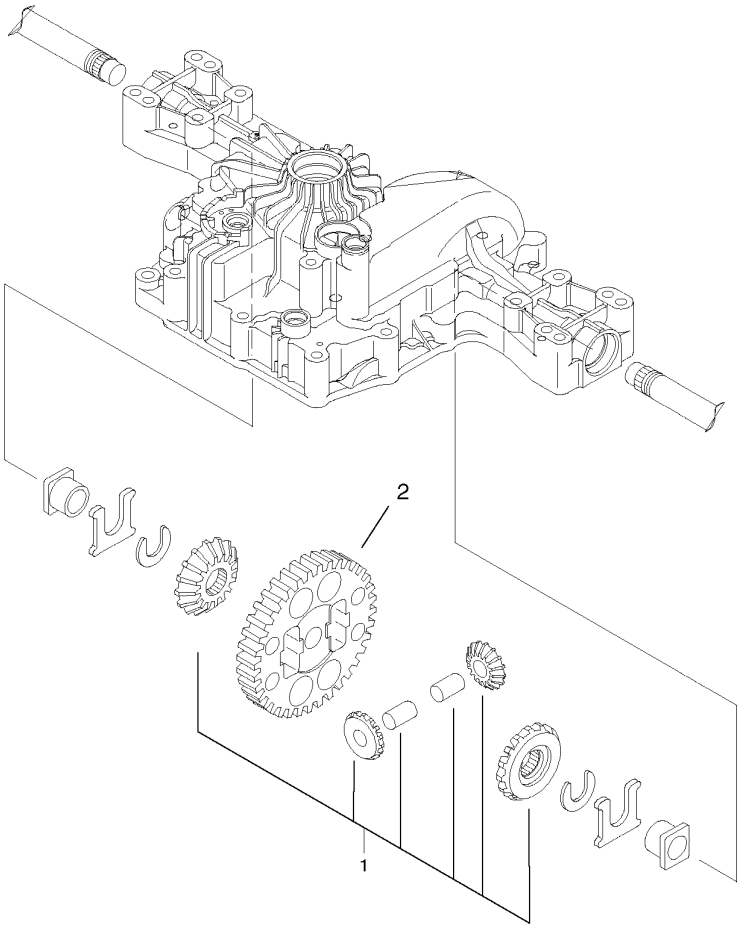

# Transmission Drive Assembly (continued)

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 91 | 104-3014 | 1 | Stirrup |
| 92 | 104-3344 | 2 | Screw-Thread Forming |
| 93 | 104-3065 | 2 | Screw-Hex |
| 95 | 33094-00 | 2 | Washer-Plain |
| 96 | 33024-00 | 2 | Nut-Lock |



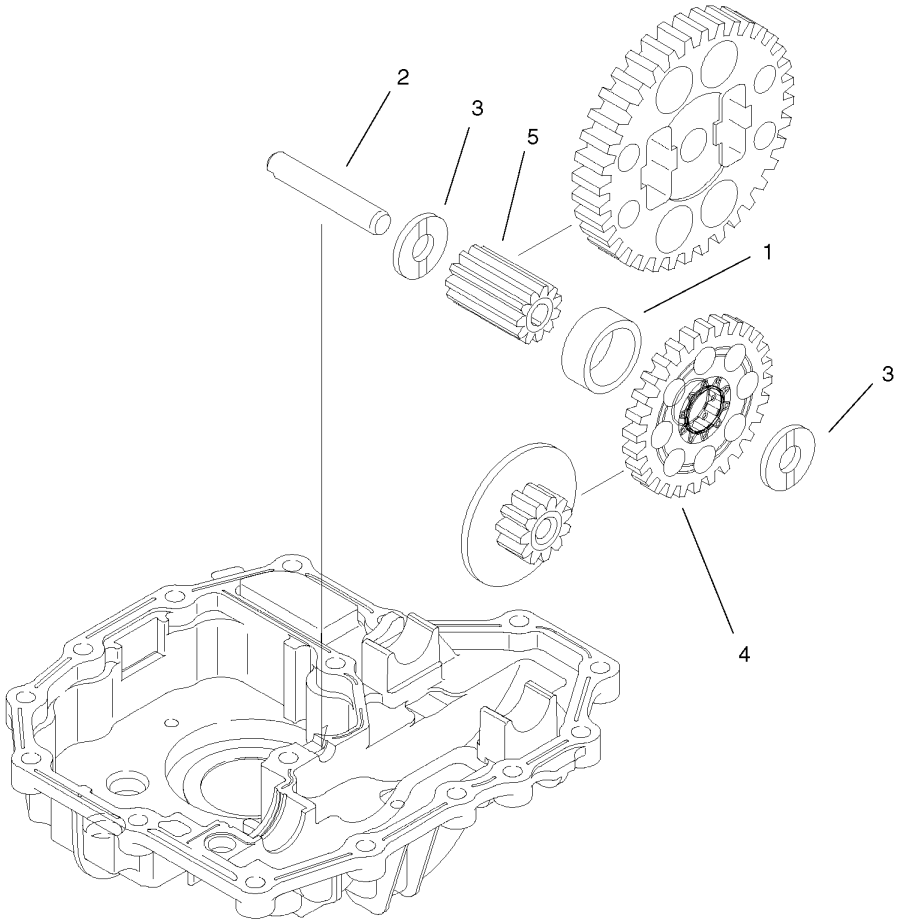

# Control Shaft Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 114-3181 | 1 | Shaft-Control |
| 2 | 104-3292 | 1 | Fulcrum-Eccentricity |
| 3 | 104-3293 | 1 | Spring-Torsion |
| 4 | 114-3180 | 1 | Arm-Control |
| 5 | 104-3295 | 1 | Lever-Control |
| 6 | 104-3296 | 1 | Plate-Jerky |
| 7 | 93-0417 | 1 | Washer |
| 8 | 114-3182 | 1 | Pin-Cotter |
| 9 | 104-3297 | 1 | Pin |
| 10 | 93-0411 | 1 | Pin-Roll |
| 11 | 104-3298 | 2 | Packing |
| 12 | 93-0420 | 1 | Nut |



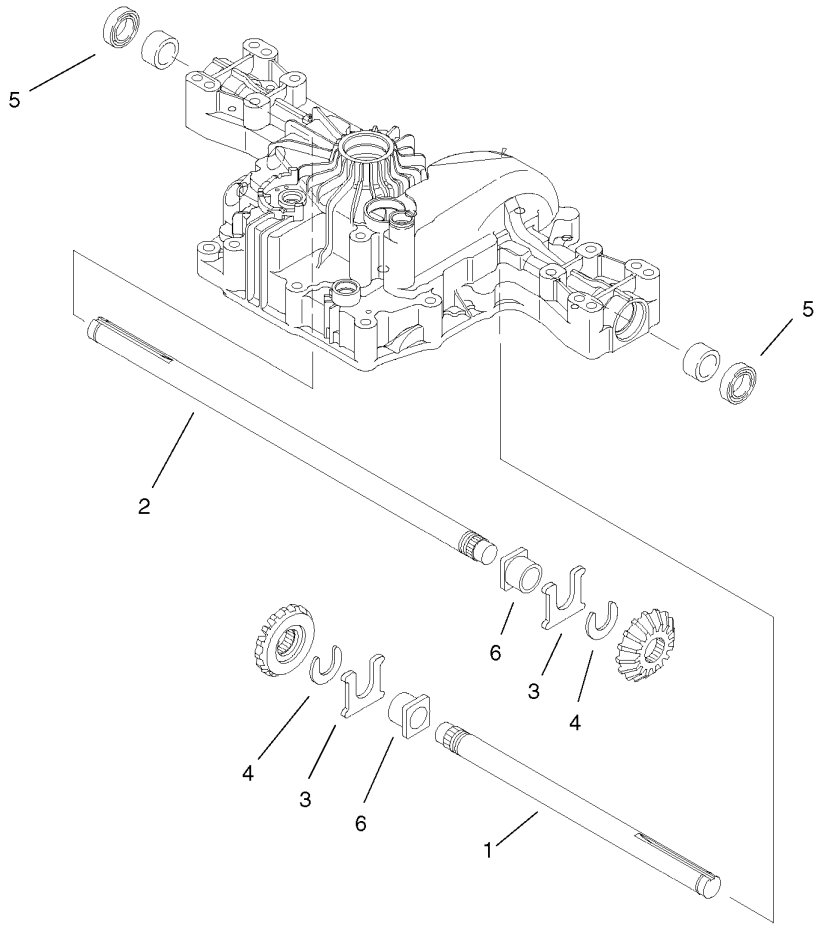

# Differential Gear Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3299 | 1 | Differential Gear Kit |
| 2 | 104-3301 | 1 | Gear-Final |



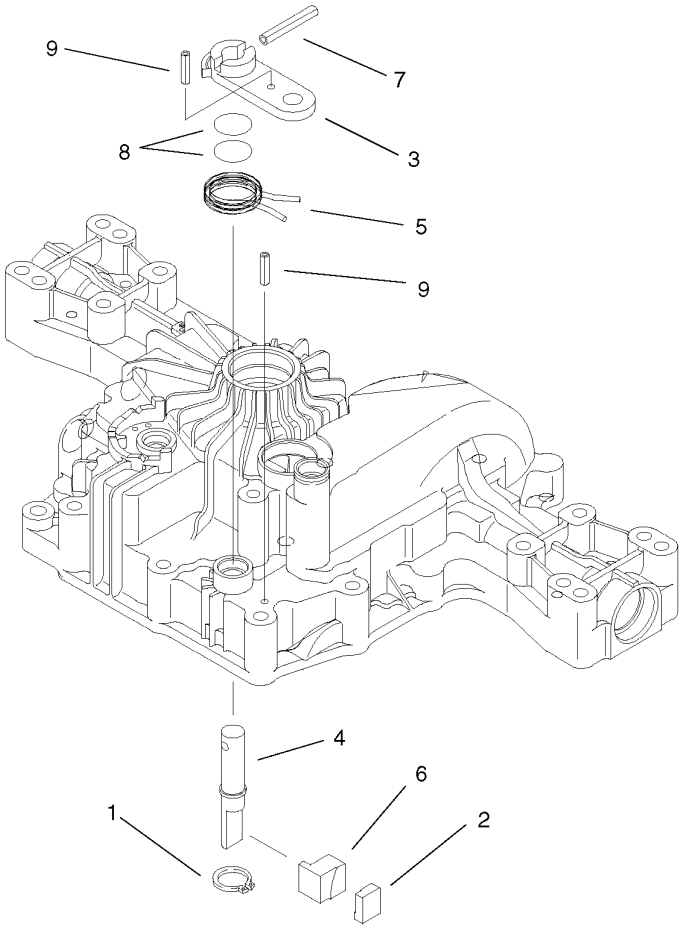

# Final Pinion Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3302 | 1 | Collar-Final Pinion |
| 2 | 104-3303 | 1 | Shaft-Reduction |
| 3 | 104-3304 | 2 | Washer |
| 4 | 104-3305 | 1 | Gear-Reduction |
| 5 | 104-3306 | 1 | Pinion-Final |



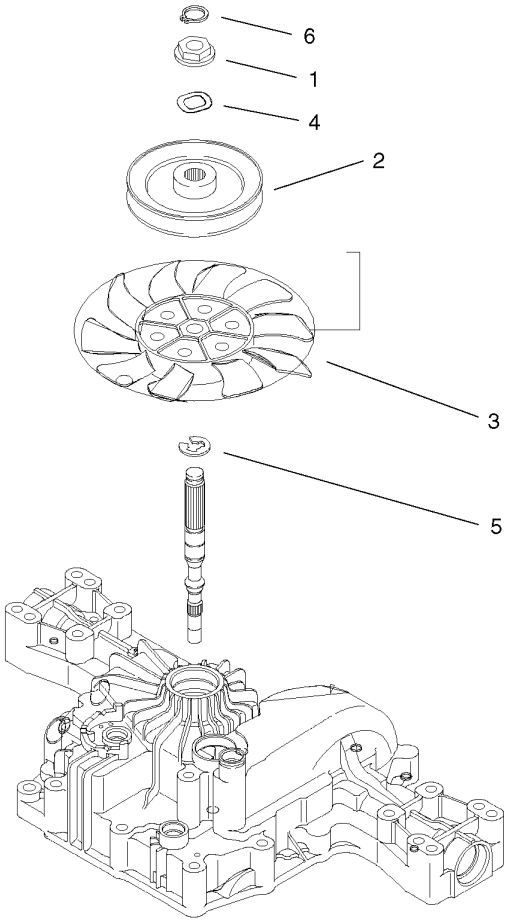

# Axle Shaft Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3307 | 1 | Shaft-Axle, LH |
| 2 | 104-3308 | 1 | Shaft-Axle, RH |
| 3 | 104-3309 | 2 | Washer-Thrust |
| 4 | 104-3310 | 2 | Ring |
| 5 | 104-3311 | 2 | Seal |
| 6 | 104-3312 | 2 | Bushing |



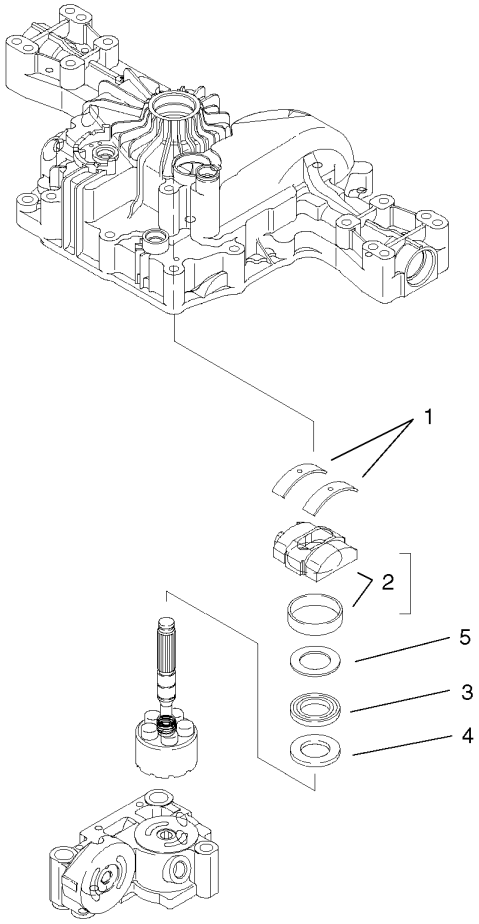

# Brake Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3313 | 1 | Ring |
| 2 | 104-3314 | 1 | Shoe-Brake |
| 3 | 104-3315 | 1 | Arm-Brake |
| 4 | 104-3316 | 1 | Shaft-Brake |
| 5 | 104-3317 | 1 | Spring-Return, Brake |
| 6 | 104-3318 | 1 | Actuator-Brake |
| 7 | 92-0767 | 1 | Pin |
| 8 | 92-0786 | 2 | O-Ring |
| 9 | 104-3319 | 2 | Pin |



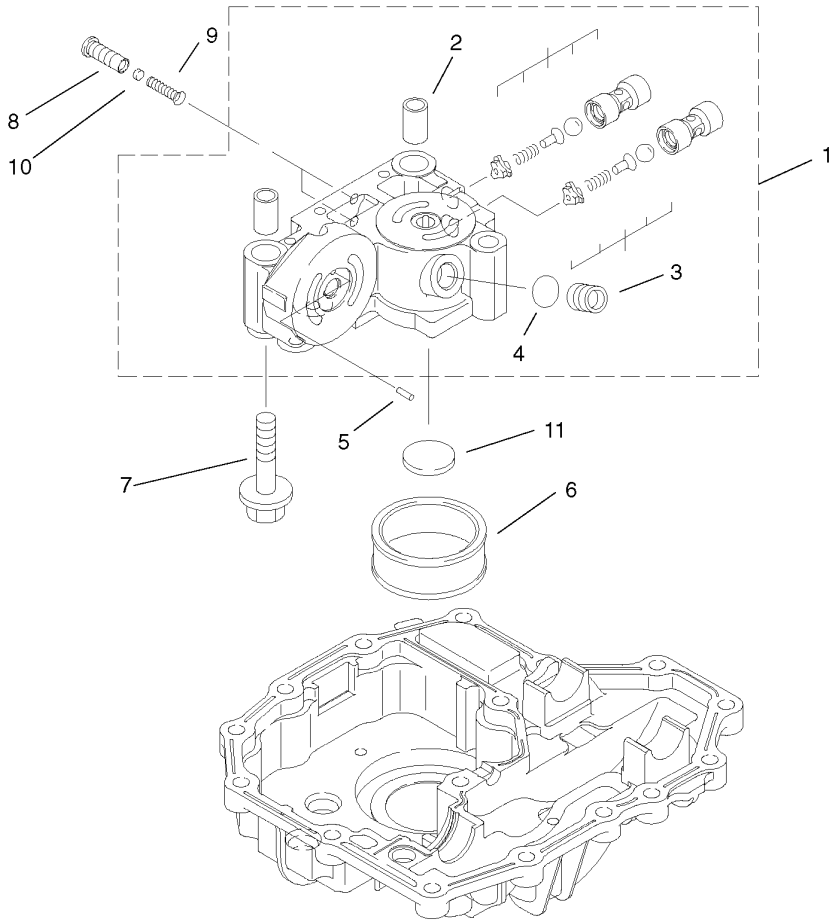

# Fan Pulley Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3320 | 1 | Collar-Spline |
| 2 | 104-3197 | 1 | Pulley-Transmission |
| 3 | 104-3199 | 1 | Fan- Transmission |
| 4 | 104-3321 | 1 | Washer-Lock |
| 5 | 93-0387 | 1 | E-Ring |
| 6 | 104-3198 | 1 | E-Ring |



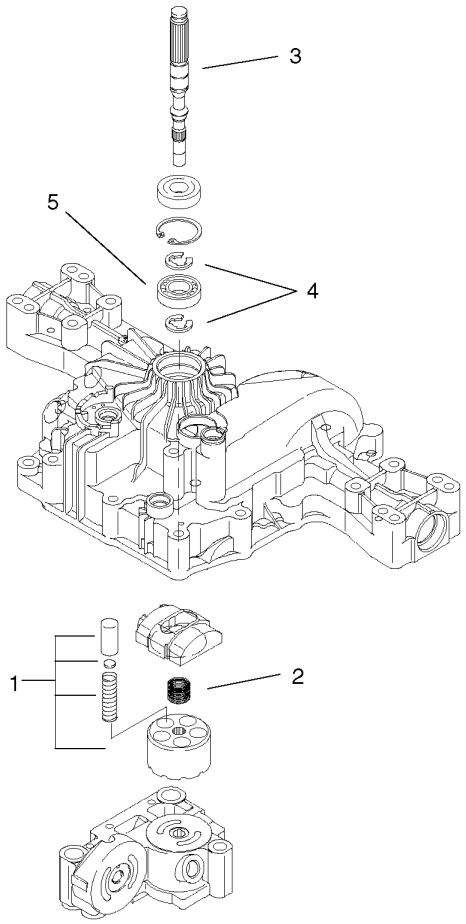

# Range Shift Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3286 | 2 | Metal-Thrust |
| 2 | 104-3287 | 1 | Plate-Swash |
| 3 | 104-3288 | 1 | Bearing |
| 4 | 104-3289 | 1 | Plate-Thrust, A |
| 5 | 104-3290 | 1 | Plate-Thrust, B |



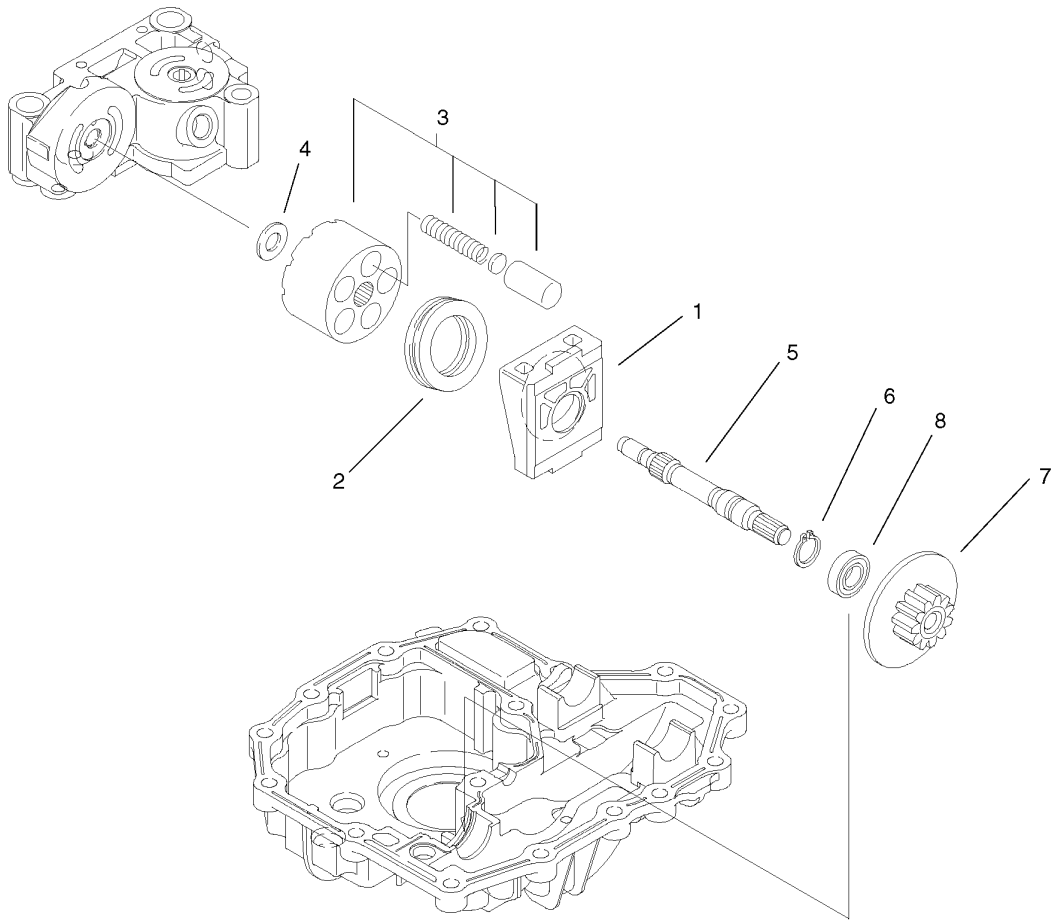

# Center Case Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3267 | 1 | Case-Center |
| 2 | 104-3268 | 2 | Pin-Knock |
| 3 | 104-3269 | 1 | Plug |
| 4 | 93-0419 | 1 | Packing |
| 5 | 104-3270 | 1 | Pin |
| 6 | 104-3271 | 1 | Filter |
| 7 | 104-3272 | 3 | Bolt |
| 8 | 104-3273 | 2 | Valve |
| 9 | 104-3274 | 2 | Spring |
| 10 | 104-3275 | 2 | Filter |
| 11 | 104-3257 | 1 | Magnet |



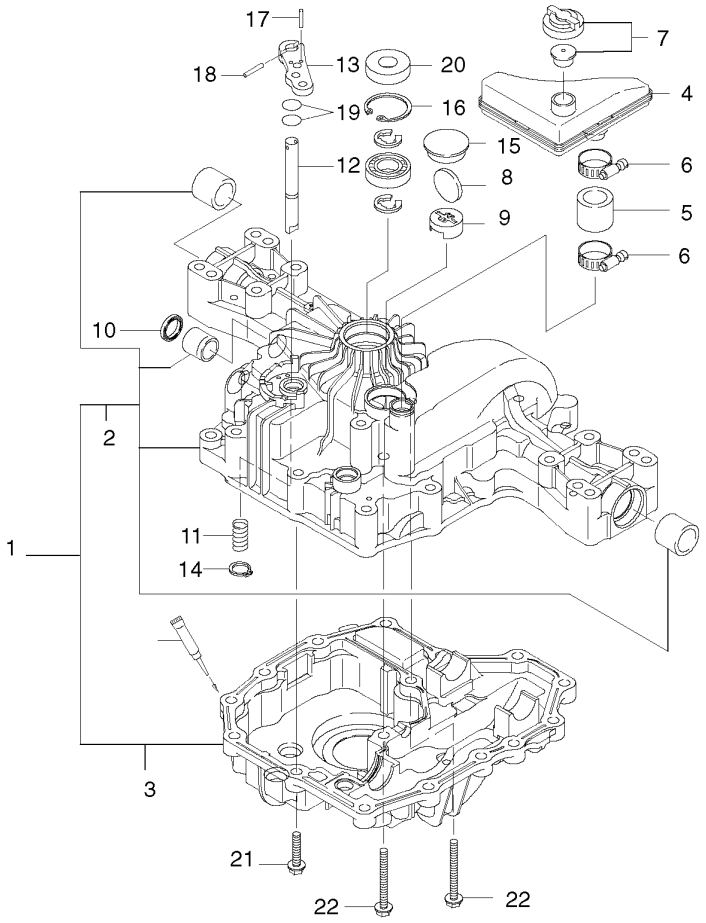

# Pump Shaft Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3276 | 1 | Block-Cylinder |
| 2 | 104-3277 | 1 | Spring-Pump |
| 3 | 104-3278 | 1 | Shaft-Pump |
| 4 | 93-0387 | 2 | E-Ring |
| 5 | 93-0374 | 1 | Bearing-Ball |



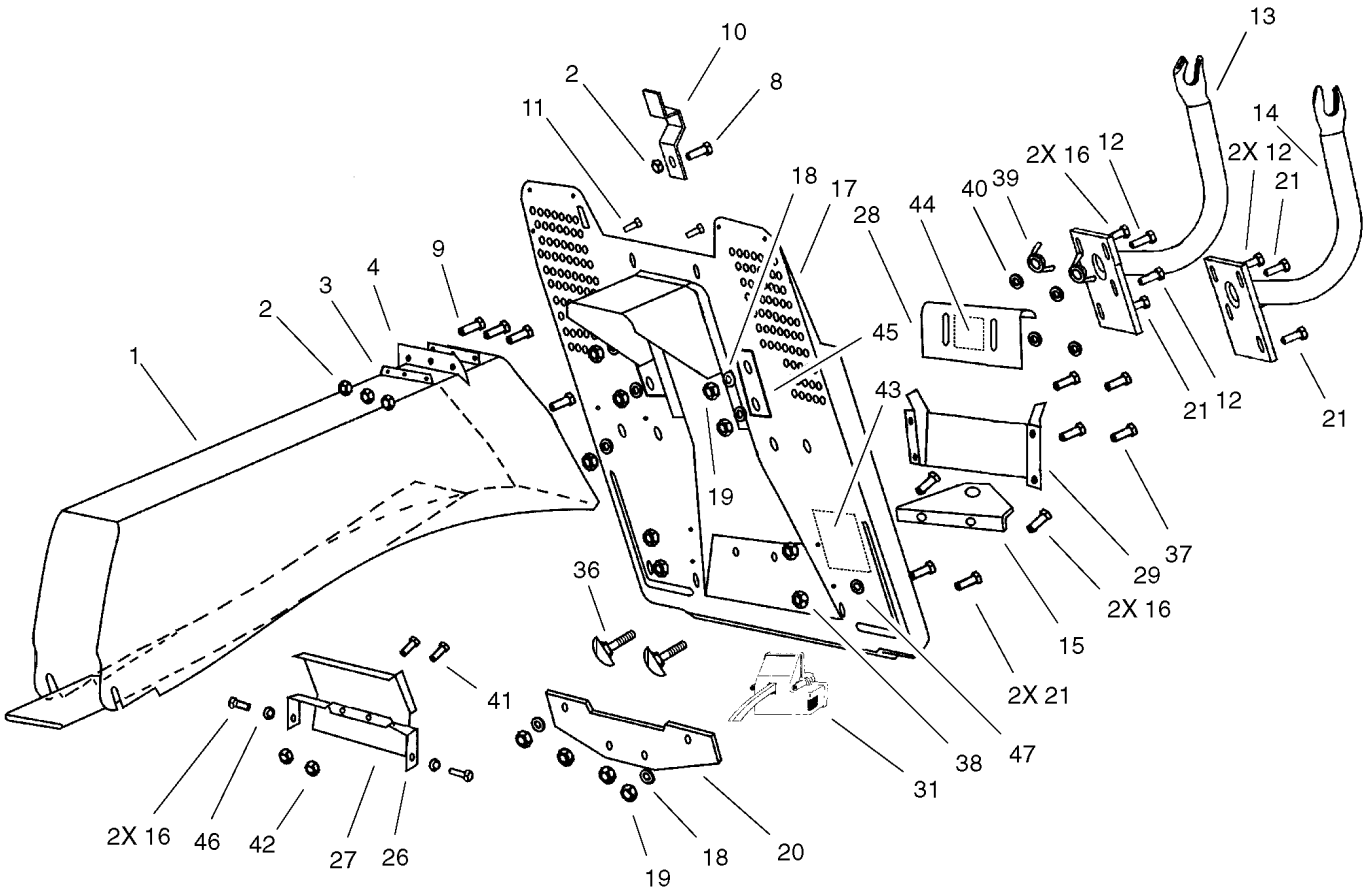

# Motor Shaft Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3279 | 1 | Housing |
| 2 | 104-3280 | 1 | Bearing |
| 3 | 104-3281 | 1 | Block-Cylinder |
| 4 | 104-3282 | 1 | Washer |
| 5 | 104-3283 | 1 | Shaft-Motor |
| 6 | 93-0373 | 1 | Ring-Snap |
| 7 | 104-3284 | 1 | Motor-Gear |
| 8 | 104-3285 | 1 | Bearing |




# Transaxle Case Assembly

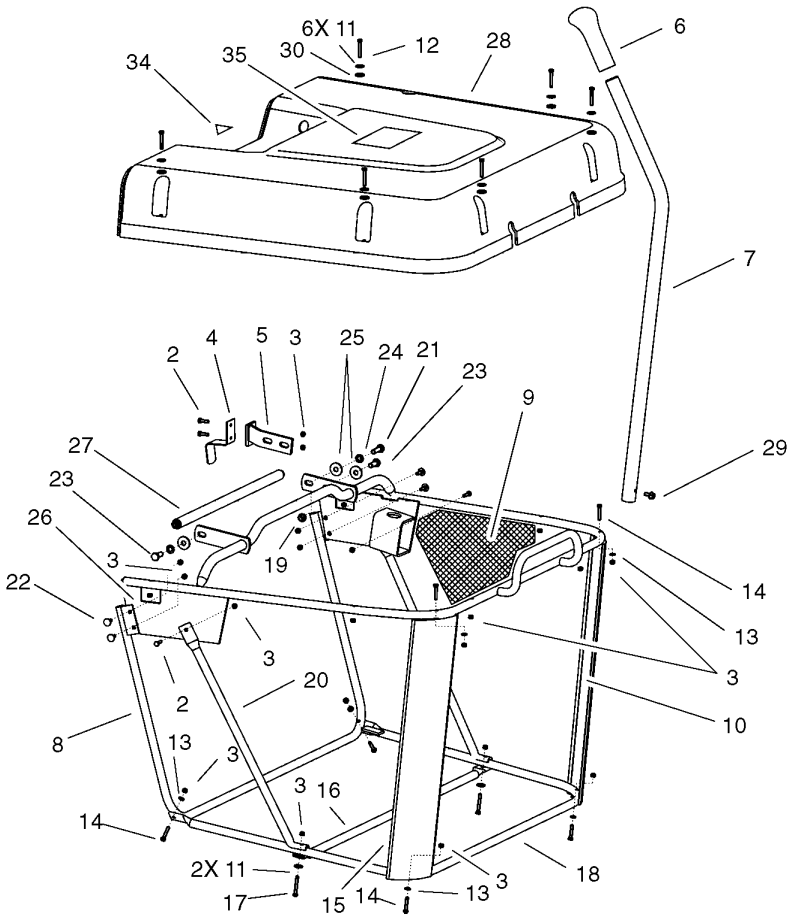
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3251 | 1 | Transaxle Case Set |
| 2 | 104-3252 | 1 | Housing-Upper |
| 3 | 104-3253 | 1 | Housing-Lower |
| 4 | 104-2914 | 1 | Tank-Reservoir, With Cap |
| 5 | 104-3254 | 1 | Tube |
| 6 | 104-3255 | 2 | Clamp-Miniature |
| 7 | 104-3256 | 1 | Valve-Vent, 15 |
| 8 | 104-3257 | 1 | Magnet |
| 9 | 104-3258 | 1 | Holder-Magnet |
| 10 | 104-3259 | 1 | Seal-Oil |
| 11 | 93-0396 | 1 | Spring |
| 12 | 104-3260 | 1 | Shaft-Bypass |
| 13 | 104-3261 | 1 | Lever-Bypass |
| 14 | 104-3262 | 1 | Ring |
| 15 | 104-3263 | 1 | Plug-Bore |
| 16 | 93-0360 | 1 | Ring |
| 17 | 104-3264 | 1 | Pin |
| 18 | 104-3265 | 1 | Pin |
| 19 | 93-0419 | 2 | Packing |
| 20 | 93-0361 | 1 | Seal |
| 21 | 93-0363 | 14 | Screw-TAP |
| 22 | 104-3266 | 2 | Screw-TAP |




# Chute Collector Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3054 | 1 | Tunnel |
| 2 | 104-2985 | 4 | Nut-Hex |
| 3 | 104-3055 | 1 | Plate-Support |
| 4 | 104-3056 | 1 | Seal-Rubber |
| 8 | 104-2983 | 1 | Screw |
| 9 | 104-3058 | 3 | Screw-SFH |
| 10 | 104-3059 | 1 | Cover-Switch |
| 11 | 104-3060 | 2 | Bolt-Carriage |
| 12 | 104-3061 | 4 | Screw |
| 13 | 104-3062 | 1 | Support-Collector, Right |
| 14 | 104-3063 | 1 | Support-Collector, Left |
| 15 | 104-3064 | 1 | Hitch-Tow |
| 16 | 104-3065 | 6 | Screw-Hex |
| 17 | 104-3066 | 1 | Collector Plate ASM |
| 18 | 33095-00 | 6 | Washer-Flat |
| 19 | 33024-00 | 10 | Nut-Lock |
| 20 | 104-3067 | 1 | Support-Hitch, Tow |
| 21 | 104-3068 | 5 | Screw-Hex |
| 26 | 104-3069 | 1 | Bracket-Shield, Protective |
| 27 | 104-3070 | 1 | Shield-Protective |
| 28 | 104-3336 | 1 | Shield-Adjustable |
| 29 | 104-3335 | 1 | Hopper-Receiving |
| 31 | 104-3074 | 1 | Overload Switch ASM |
| 36 | 104-2961 | 2 | Screw |

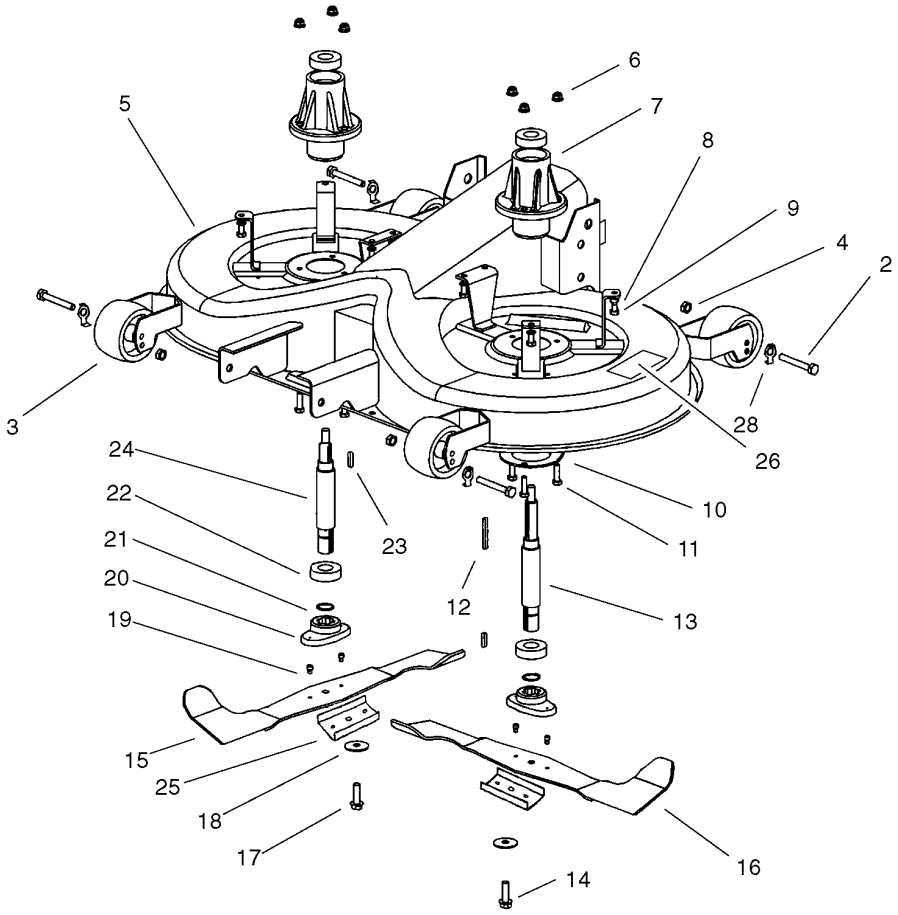
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 37 | 33113-012 | 4 | Screw-HH |
| 38 | 33023-00 | 4 | Nut-Lock |
| 39 | 32103-28 | 2 | Nut-Wing |
| 40 | 33093-00 | 2 | Washer-Flat |
| 41 | 104-2948 | 2 | Bolt-Carriage |
| 42 | 87-5140 | 2 | Nut-Lock |
| 43 | 104-3243 | 1 | Decal-Bypass, Hydro |
| 44 | 104-2853 | 1 | Decal-Position, Bagging |
| 45 | 104-3347 | 2 | Plate-Reinforcing |
| 46 | 104-3348 | 2 | Washer-Spring |
| 47 | 106-5772 | 1 | Bushing |




# Grass Collector Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❶1 | 106-5760 | 1 | Collector ASM |
| 2 | 60-6910 | 2 | Screw |
| 3 | 87-5140 | 22 | Nut-Lock |
| 4 | 104-3033 | 1 | Spring-Coll, Interlock Switch |
| 5 | 106-5761 | 1 | Bracket-Spring |
| 6 | 104-3035 | 1 | Grip-Handle |
| 7 | 104-3036 | 1 | Lever-Dumping |
| 8 | 104-3037 | 1 | Front Frame ASM |
| 9 | 104-3038 | 1 | Bag-Grass |
| 10 | 104-3039 | 1 | Support-Corner, Right |
| 11 | 104-2943 | 8 | Washer-Flat |
| 12 | 104-2981 | 6 | Screw |
| 13 | 52-6430 | 14 | Washer |
| 14 | 104-3041 | 4 | Screw-Hex |
| 15 | 104-3042 | 1 | Support-Corner, Left |
| 16 | 104-3043 | 1 | Brace-Connecting |
| 17 | 104-3044 | 2 | Screw-Hex |
| 18 | 104-3045 | 1 | Bottom Frame ASM |
| 19 | 33024-00 | 1 | Nut-Lock |
| 20 | 104-3046 | 2 | Brace |
| 21 | 33114-025 | 1 | Screw-HH |
| 22 | 104-2948 | 4 | Bolt-Carriage |
| 23 | 33114-020 | 2 | Screw-HH |
| 24 | 104-2927 | 2 | Washer-Spring |

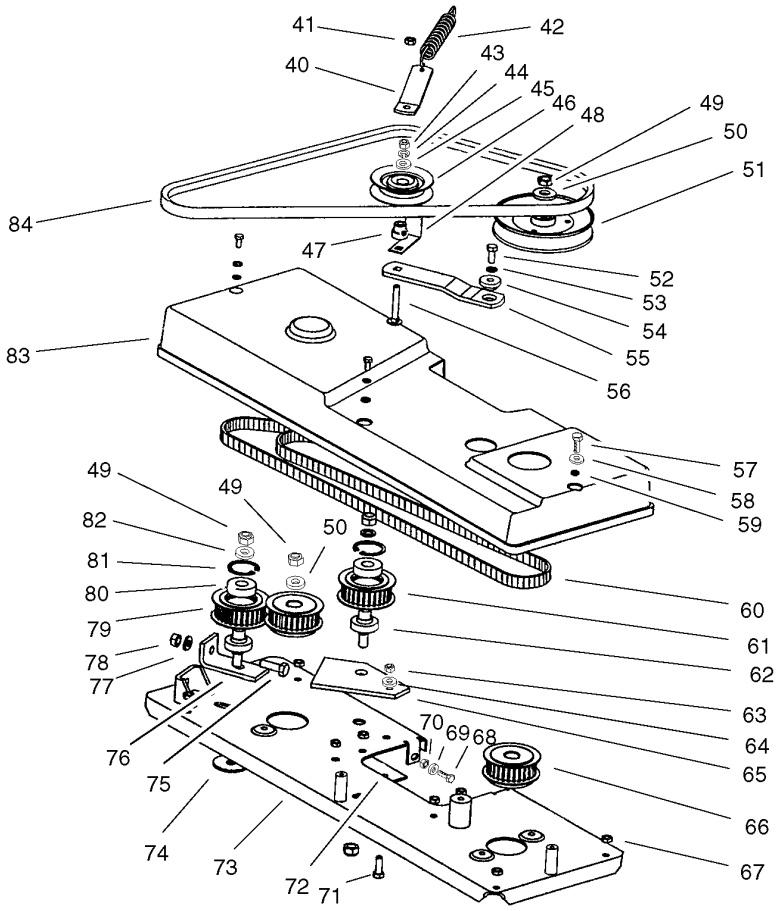
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 104-2946 | 4 | Washer-Plain |
| 26 | 104-3047 | 1 | Top Frame ASM |
| 27 | 104-3048 | 1 | Handle-Lift |
| 28 | 106-5762 | 1 | Cover-Collector |
| 29 | 106-5763 | 1 | Screw |
| 30 | 104-2952 | 6 | Washer-Rubber |
| 34 | 104-3242 | 1 | Decal-Bag To Frame |
| 35 | 104-3322 | 1 | Decal - Horsehead |




# Operation Cutting Pan Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❶1 | 104-3079 | 1 | Cutting System Complete |
| 2 | 33115-090 | 4 | Screw-HH |
| 3 | 104-3080 | 4 | Wheel-Gauge |
| 4 | 33025-00 | 4 | Nut-Lock |
| 5 | 104-3081 | 1 | Mower Housing Complete |
| 6 | 104-3082 | 6 | Nut-Lock, HF |
| 7 | 104-3083 | 2 | Housing-Quill |
| 8 | 33094-00 | 8 | Washer-Plain |
| 9 | 33114-020 | 8 | Screw-HH |
| 10 | 104-3084 | 2 | Support-Ring |
| 11 | 104-3085 | 6 | Bolt-HHF |
| 12 | 104-3086 | 1 | Key |
| 13 | 104-3087 | 1 | Shaft-Left Blade |
| 14 | 104-3088 | 1 | Screw-Hex |
| 15 | 104-3089 | 1 | Blade-Right |
| 16 | 104-3090 | 1 | Blade-Left |
| 17 | 104-3091 | 1 | Screw-Hex Left |
| 18 | 104-3092 | 2 | Washer-Belleville |
| 19 | 104-3093 | 4 | Pin-Shear, Grooved |
| 20 | 106-4185 | 2 | Adapter-Blade |
| 21 | 104-3095 | 2 | Ring-Locking |
| 22 | 104-3096 | 4 | Bearing |
| 23 | 104-3097 | 3 | Key-Square |
| 24 | 104-3098 | 1 | Shaft-Right Blade |

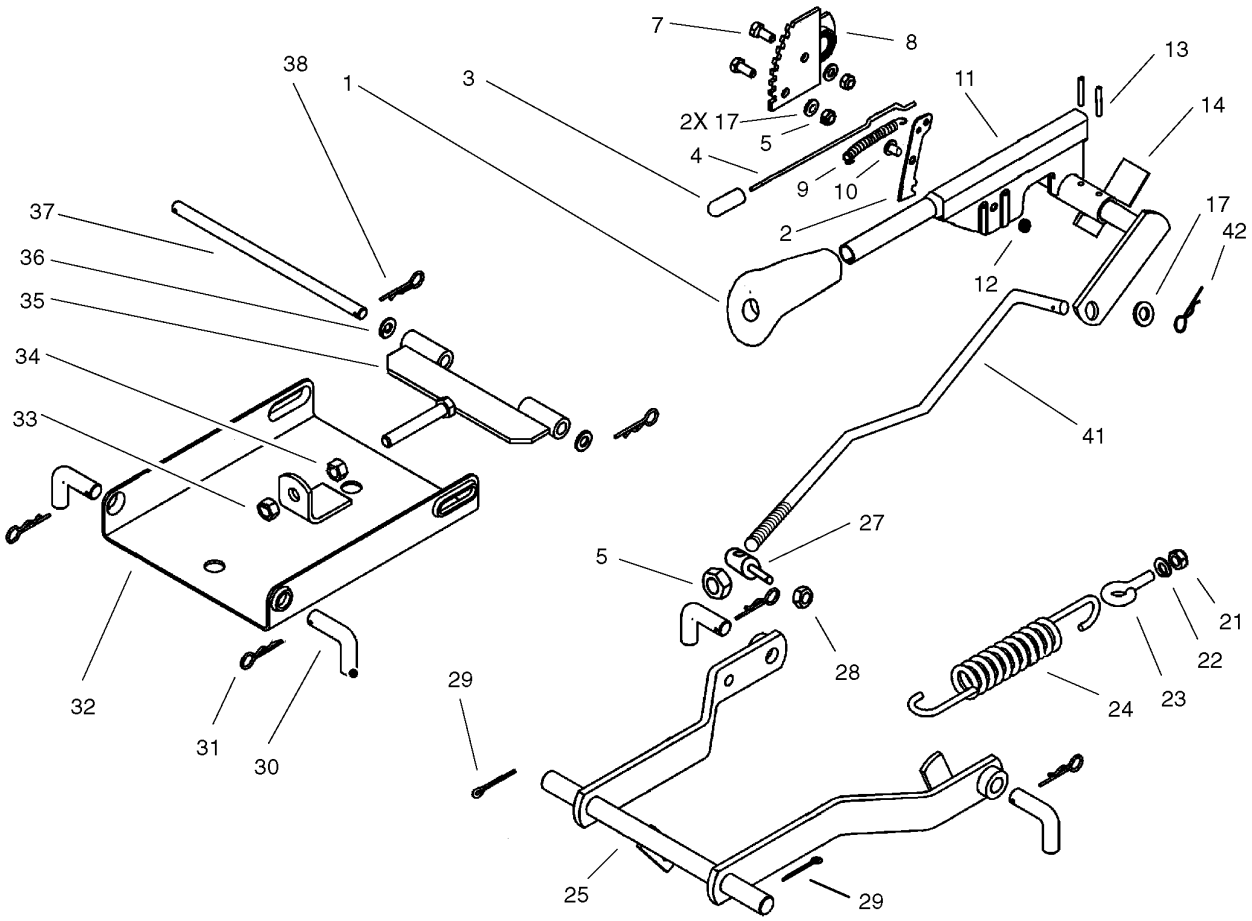
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 25 | 104-3207 | 2 | Stiffener-Blade |
| 26 | 93-7824 | 2 | Decal-Danger |
| 28 | 106-5767 | 4 | Washer |




# Cutting Pan Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 40 | 104-3099 | 1 | Lever-Engagement |
| 41 | 33024-00 | 1 | Nut-Lock |
| 42 | 104-3101 | 1 | Spring |
| 43 | 104-3102 | 1 | Nut-Hex |
| 44 | 104-2927 | 1 | Washer-Spring |
| 45 | 104-2946 | 1 | Washer-Plain |
| 46 | 104-3103 | 1 | Pulley-Idler |
| 47 | 104-3104 | 1 | Bushing |
| 48 | 104-3105 | 1 | Retainer-Belt |
| 49 | 33026-00 | 6 | Nut-Lock |
| 50 | 104-3106 | 2 | Washer-Flat |
| 51 | 104-3107 | 1 | Pulley-Drive |
| 52 | 33114-025 | 1 | Screw-HH |
| 53 | 104-2927 | 1 | Washer-Spring |
| 54 | 104-3108 | 1 | Spacer-Shoulder |
| 55 | 104-3109 | 1 | Arm-Idler |
| 56 | 33114-050 | 1 | Screw-HH |
| 57 | 33113-016 | 3 | Screw-HH |
| 58 | 104-3110 | 3 | Washer-Flat |
| 59 | 104-3111 | 3 | Washer-Rubber |
| 60 | 104-3112 | 1 | Belt-Cog |
| 61 | 104-3113 | 2 | Cog Pulley ASM |
| 62 | 104-3114 | 2 | Pin-Pulley, Cog |
| 63 | 33024-00 | 1 | Nut-Lock |

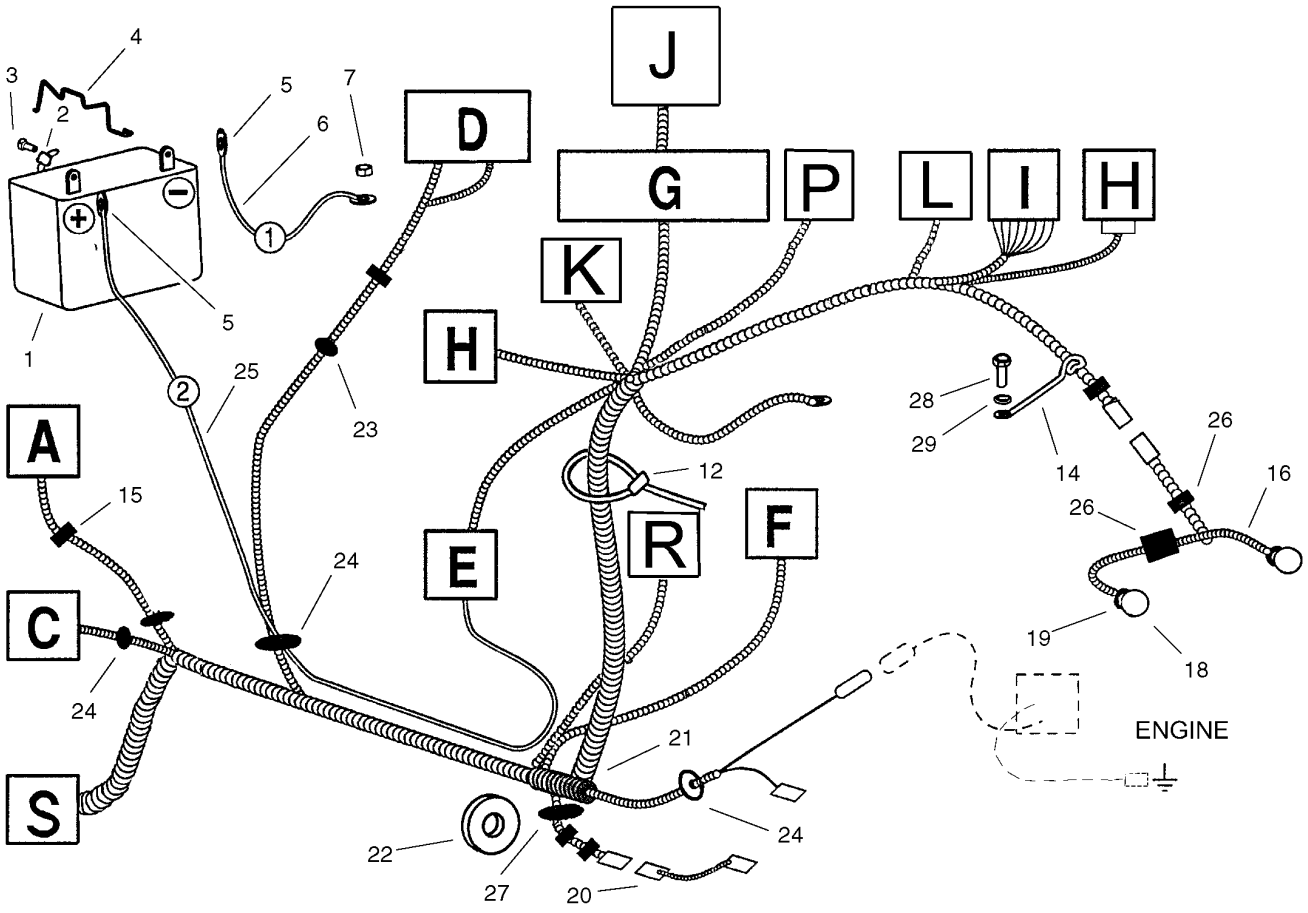
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 64 | 33094-00 | 1 | Washer-Plain |
| 65 | 104-3115 | 1 | Support-Pulley |
| 66 | 104-3116 | 2 | Pulley-Cog, Drive |
| 67 | 33024-00 | 8 | Nut-Lock |
| 68 | 104-2961 | 1 | Screw |
| 69 | 33093-00 | 1 | Washer-Flat |
| 70 | 33023-00 | 1 | Nut-Lock |
| 71 | 33114-025 | 1 | Screw-HH |
| 72 | 104-3117 | 1 | Plate-Anchor |
| 73 | 104-3118 | 1 | Blade Drive Plate ASM |
| 74 | 104-2909 | 1 | Washer |
| 75 | 104-3119 | 1 | Screw-Hex |
| 76 | 104-3120 | 1 | Bracket-Idler |
| 77 | 33095-00 | 1 | Washer-Flat |
| 78 | 33025-00 | 1 | Nut-Lock |
| 79 | 104-3121 | 2 | Pulley-Cog |
| 80 | 104-3122 | 2 | Bearing |
| 81 | 104-3123 | 2 | Ring-Locking |
| 82 | 104-3124 | 4 | Washer-Flat |
| 83 | 104-3125 | 1 | Cover-Belt |
| 84 | 104-3127 | 1 | V-Belt |




# Operation Mower Lift Assembly

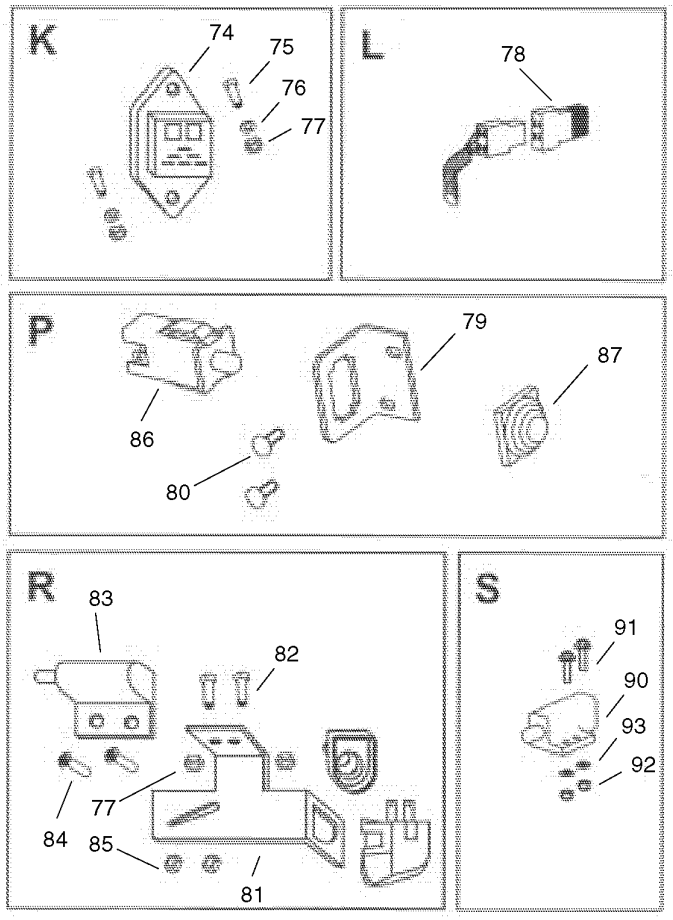
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3129 | 1 | Grip-Handle |
| 2 | 104-3130 | 1 | Ratchet-Plate, Pivot |
| 3 | 104-3131 | 1 | Button-Plunger |
| 4 | 104-3132 | 1 | Rod-Connection |
| 5 | 33024-00 | 3 | Nut-Lock |
| 7 | 33114-020 | 2 | Screw-HH |
| 8 | 104-3133 | 1 | Segment-Gear |
| 9 | 104-3134 | 1 | Spring |
| 10 | 104-3135 | 1 | Pin-Arm Lever |
| 11 | 104-3136 | 1 | Lever-Arm, Height Adj. |
| 12 | 104-3137 | 1 | Clip-Pin |
| 13 | 104-2994 | 2 | Pin-Spring |
| 14 | 104-3138 | 1 | Shaft-Height Adj. |
| 17 | 33094-00 | 3 | Washer-Plain |
| 21 | 33025-00 | 1 | Nut-Lock |
| 22 | 33095-00 | 1 | Washer-Flat |
| 23 | 104-3139 | 1 | Bolt-Eye |
| 24 | 104-3140 | 1 | Spring-Lift |
| 25 | 104-3141 | 1 | Pivot Arm ASM |
| 27 | 104-3142 | 1 | Pin-Lifting |
| 28 | 33025-00 | 1 | Nut-Lock |
| 29 | 104-3016 | 2 | Pin-Cotter |
| 30 | 104-3143 | 4 | Pin-Bent |
| 31 | 104-3144 | 4 | Pin-Hair |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 32 | 104-3145 | 1 | Suspension-Mower Deck, Front |
| 33 | 33026-00 | 1 | Nut-Lock |
| 34 | 33016-00 | 1 | Nut-Hex |
| 35 | 104-3146 | 1 | Holder-Front |
| 36 | 104-3124 | 2 | Washer-Flat |
| 37 | 104-3147 | 1 | Pin |
| 38 | 104-3148 | 2 | Clip-Hair Pin |
| 41 | 104-3149 | 1 | Rod-Height Adj. |
| 42 | 104-3151 | 1 | Pin-Cotter |



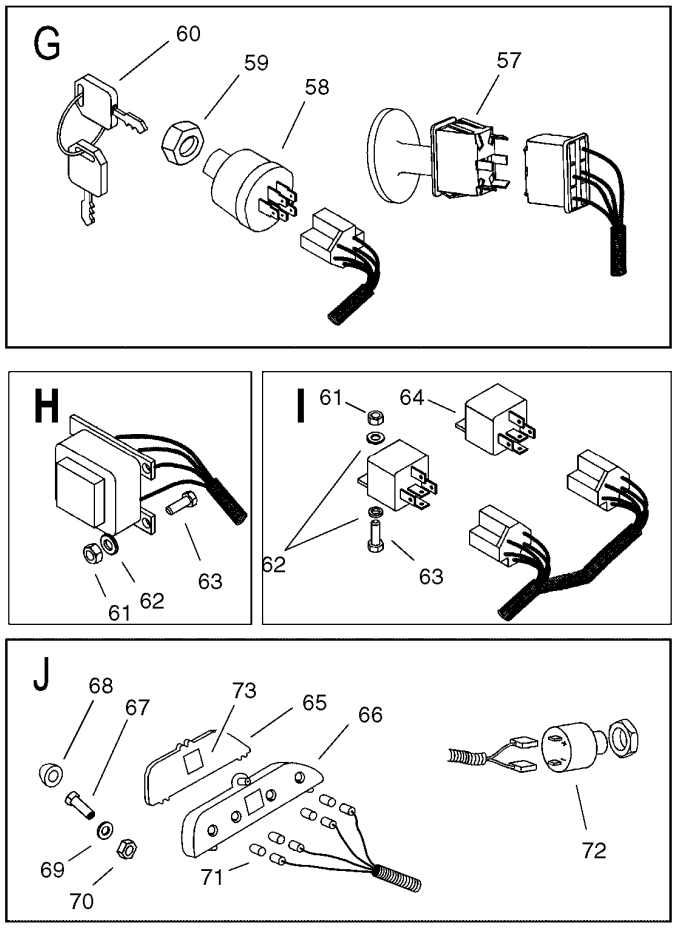

# Electrical Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 104-3152 | 1 | Battery-12V |
| 2 | 32128-32 | 2 | Nut-HHF |
| 3 | 33113-020 | 2 | Screw-HH |
| 4 | 104-3153 | 1 | Clamp-Battery |
| 5 | 104-3154 | 2 | Boot-Rubber |
| 6 | 104-3155 | 1 | Cable-Battery, Negative |
| 7 | 33024-00 | 3 | Nut-Lock |
| 12 | 3334-945 | 3 | Tie-Cable |
| 14 | 104-3156 | 1 | Holder- Harness, Wiring |
| 15 | 104-3157 | 11 | Clip-Snap |
| 16 | 88-4320 | 1 | Harness-Wire, Lights |
| 18 | 104-3158 | 2 | Bulb-Light |
| 19 | 104-3159 | 2 | Socket-Light |
| 20 | 104-3160 | 1 | Harness-Clutch |
| 21 | 104-3337 | 1 | Harness-Wiring |
| 22 | 104-3163 | 1 | Cap |
| 23 | 104-3164 | 1 | Bushing |
| 24 | 104-3165 | 3 | Bushing |
| 25 | 104-3166 | 1 | Cable-Battery Positive |
| 26 | 104-3167 | 2 | Clip-Nylon |
| 27 | 104-3168 | 1 | Bushing |
| 28 | 33114-020 | 1 | Screw-HH |
| 29 | 33094-00 | 1 | Washer-Plain |



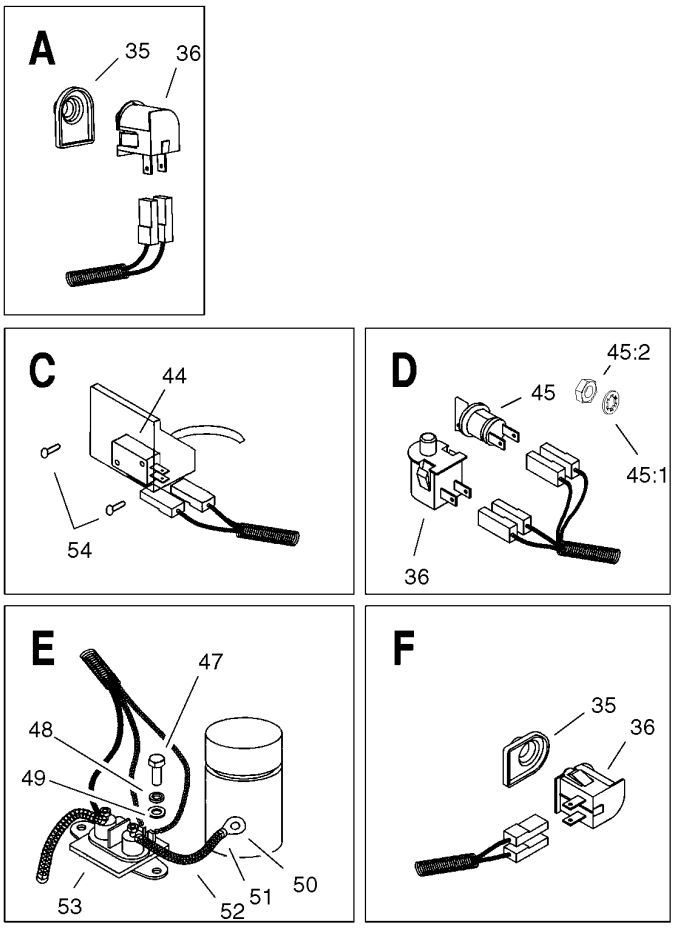

# Electrical Assembly (continued)

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 74 | 99-3701 | 1 | Module-Clutch |
| 75 | 60-6910 | 2 | Screw |
| 76 | 52-6430 | 2 | Washer |
| 77 | 87-5140 | 2 | Nut-Lock |
| 78 | 104-3169 | 1 | Circuit-Memory |
| 79 | 104-3333 | 1 | Holder-Switch |
| 80 | 104-3190 | 2 | Screw |
| 81 | 104-3332 | 1 | Holder-Switch |
| 82 | 104-2980 | 2 | Screw |
| 83 | 95-1653 | 1 | Switch-Pole, Single |
| 84 | 104-2983 | 2 | Screw |
| 85 | 104-2985 | 2 | Nut-Hex |
| 86 | 104-3338 | 1 | Switch-Delta |
| 87 | 104-3339 | 1 | Cover-Switch |
| 90 | 104-3330 | 1 | Switch-Delta |
| 91 | 104-3331 | 2 | Bolt |
| 92 | 46-0430 | 2 | Nut-Lock |
| 93 | 52-6430 | 2 | Washer |



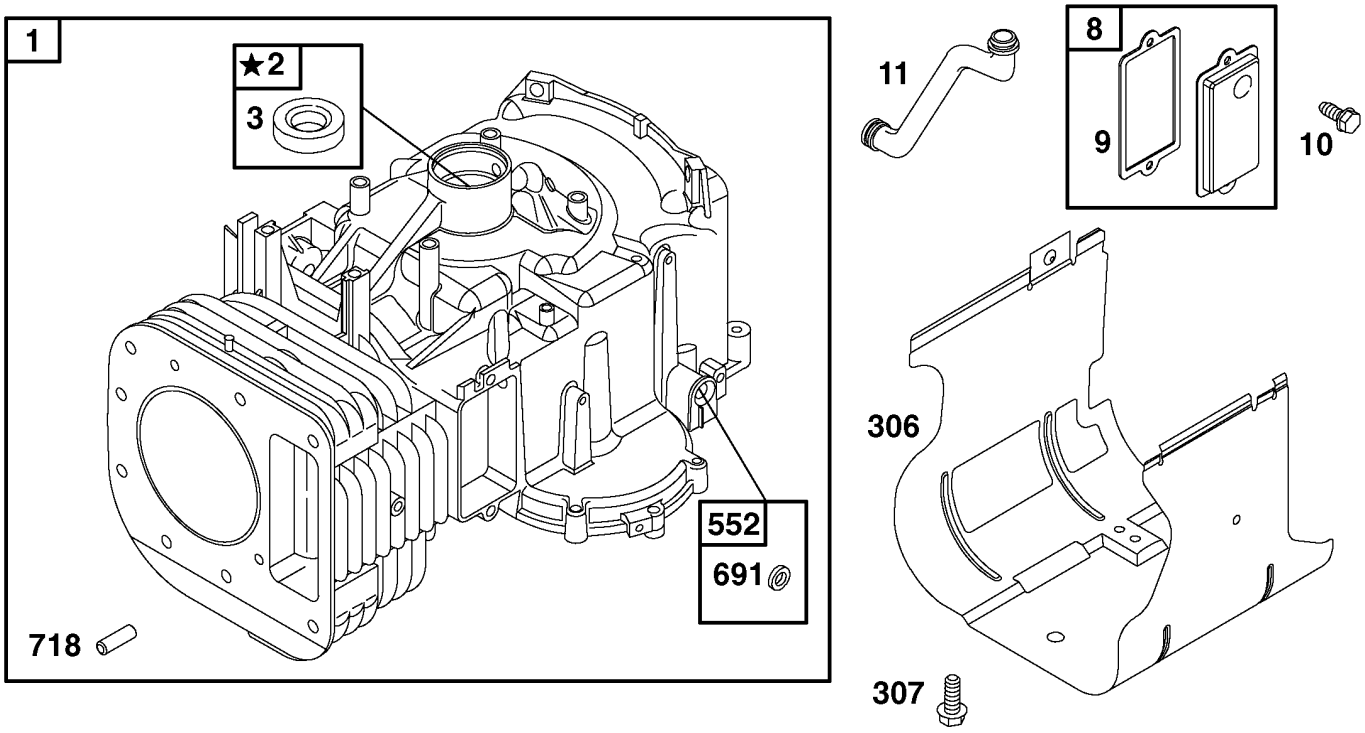

# Electrical Assembly (continued)

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 57 | 93-9998 | 1 | Switch-PTO |
| 58 | 92-6785 | 1 | Switch-Ignition |
| 59 | 104-3172 | 1 | Nut-Hex |
| 60 | 62-7770 | 2 | Key-Ignition |
| 61 | 87-5140 | 4 | Nut-Lock |
| 62 | 104-2943 | 6 | Washer-Flat |
| 63 | 104-2978 | 4 | Screw-Hex |
| 64 | 104-3173 | 2 | Relay |
| 65 | 92-6707 | 1 | Lens-Dash Lights |
| 66 | 92-6732 | 1 | Housing-Light, Indicator |
| 67 | 104-3191 | 3 | Screw |
| 68 | 104-3174 | 1 | Screw-Cap |
| 69 | 104-3175 | 3 | Washer |
| 70 | 104-2985 | 3 | Nut-Hex |
| 71 | 104-3176 | 4 | Bulb |
| 72 | 104-3177 | 1 | Buzzer |
| 73 | 104-3194 | 1 | Decal-Dash |




# Electrical Assembly (continued)

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 35 | 104-3178 | 2 | Cover-Protective |
| 36 | 104-3179 | 3 | Switch-Delta |
| 44 | 104-3185 | 1 | Switch-Omron |
| 45 | 46-5780 | 1 | Switch-Starter |
| 45:1 | 3254-5 | 1 | Washer-Tooth |
| 45:2 | 218-461 | 1 | Nut-HH |
| 47 | 33113-012 | 2 | Screw-HH |
| 48 | 104-3186 | 2 | Washer-Spring |
| 49 | 33093-00 | 2 | Washer-Flat |
| 50 | 32128-32 | 1 | Nut-HHF |
| 51 | 104-3187 | 1 | Boot-Rubber |
| 52 | 104-3188 | 1 | Lead-Starter, Electric |
| 53 | 47-1910 | 1 | Solenoid |
| 54 | 104-3349 | 2 | Screw |

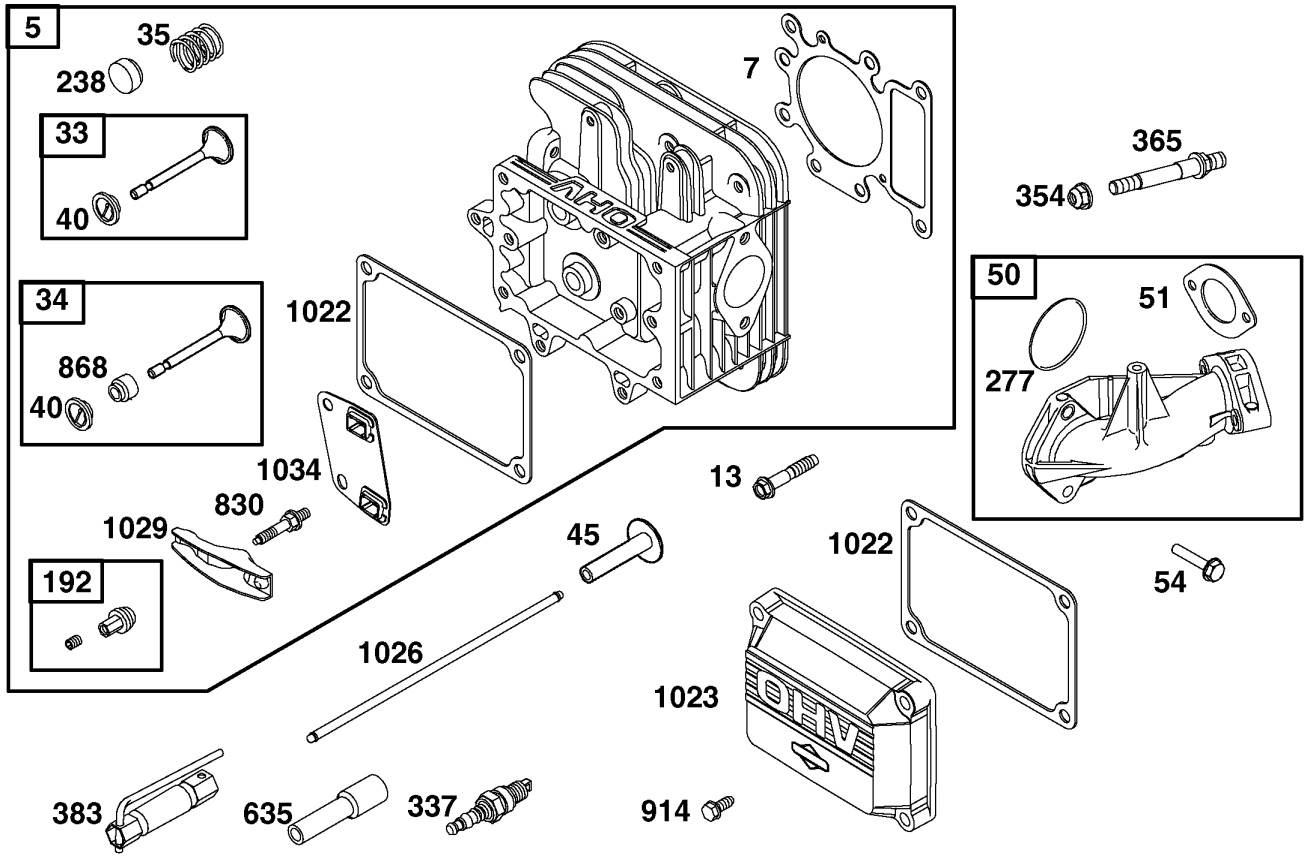



★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.**

Assemblies include all parts shown in frames.

# Cylinder Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼1 | 690156 | 1 | Cylinder Assembly |
| ❼2 | 399265 | 1 | Bushing And Seal Kit |
| ❸❼3 | 391086 | 1 | Seal-Oil |
| ❼8 | 495735 | 1 | Breather ASM |
| ❸❼9 | 27803 | 1 | Gasket-Breather |
| ❼10 | 691666 | 1 | Screw-Hex. |
| ❼11 | 691328 | 1 | Breather Tube |
| ❼306 | 690499 | 1 | Cylinder Shield |
| ❼307 | 94930 | 1 | Screw-Hex |
| ❼552 | 491986 | 1 | Bushing-Crank, Governor |
| ❸❼691 | 491323 | 1 | Seal-Oil |
| ❼718 | 690959 | 1 | Pin-Locating |

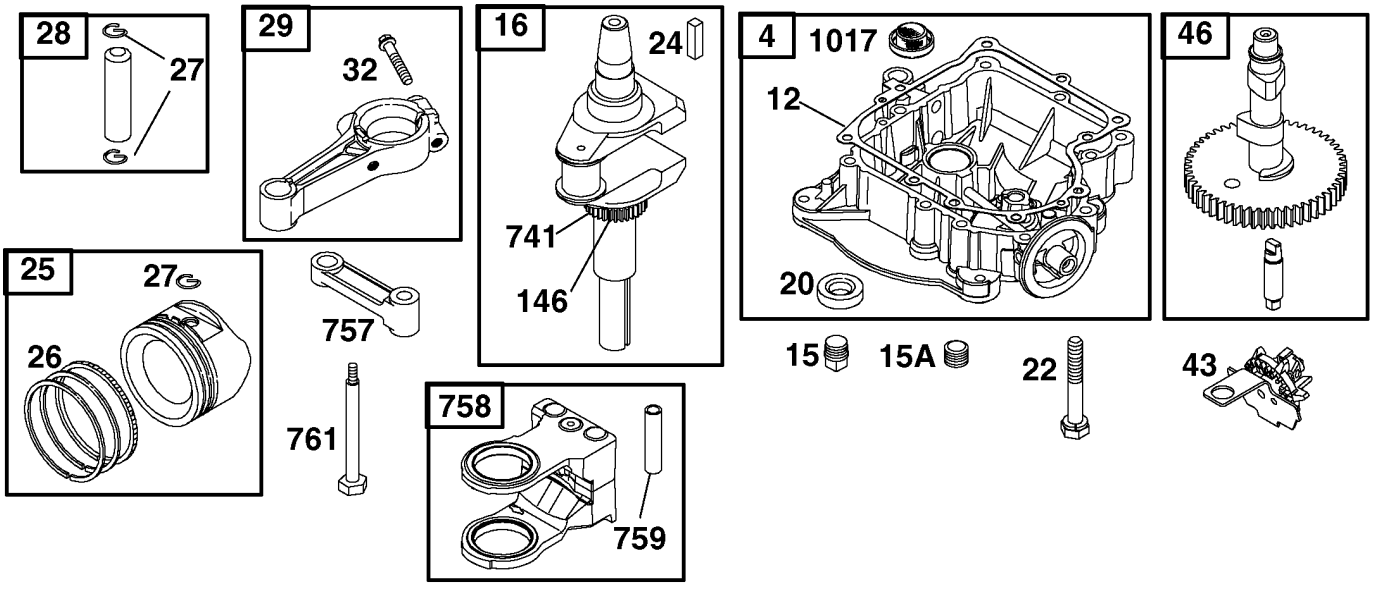



Assemblies include all parts shown in frames.

# Cylinder Head Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼5 | 690188 | 1 | Cylinder Head |
| ❸❹7 ❼ | 692410 | 1 | Gasket-Cylinder Head |
| ❼13 | 690360 | 1 | Screw |
| ❼33 | 495856 | 1 | Valve-Exhaust |
| ❼34 | 495857 | 1 | Valve-Intake |
| ❼35 | 691279 | 1 | Spring-Valve |
| ❼40 | 224641 | 1 | Retainer-Valve |
| ❼45 | 690564 | 1 | Tappet-Valve |
| ❼50 | 690193 | 1 | Manifold-Intake |
| ❸❹51 ❺❻ | 273650 | 1 | Gasket-Intake |
| ❼54 | 691148 | 1 | Screw |
| ❼192 | 492160 | 1 | Adjuster-Valve |
| ❼238 | 691843 | 1 | Cap-Valve |
| ❸❺277 ❼ | 692138 | 1 | Seal-O Ring |
| ❼337 | 491055 | 1 | Plug-Spark |
| ❼354 | 94010 | 1 | Nut |
| ❼365 | 690227 | 1 | Stud |
| ❼383 | 89838 | 1 | Wrench-Plug, Spark |
| ❼635 | 280872 | 1 | Boot-Spark Plug |
| ❼830 | 696095 | 1 | Stud (Rocker Arm) |
| ❸❺868 ❼ | 499236 | 1 | Seal-Valve |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼914 | 690690 | 1 | Seal-O Ring |
| ❸❺1022 ❼ | 272475 | 1 | Gasket-Cover, Rocker |
| ❼1023 | 692492 | 1 | Cover-Rocker |
| ❼1026 | 494432 | 1 | Guide-Push Rod |
| ❼ | 495136 | 1 | Push Rod (Exhaust) |
| ❼1029 | 691751 | 1 | Arm-Rocker |
| ❼1034 | 495248 | 1 | Guide-Push Rod |

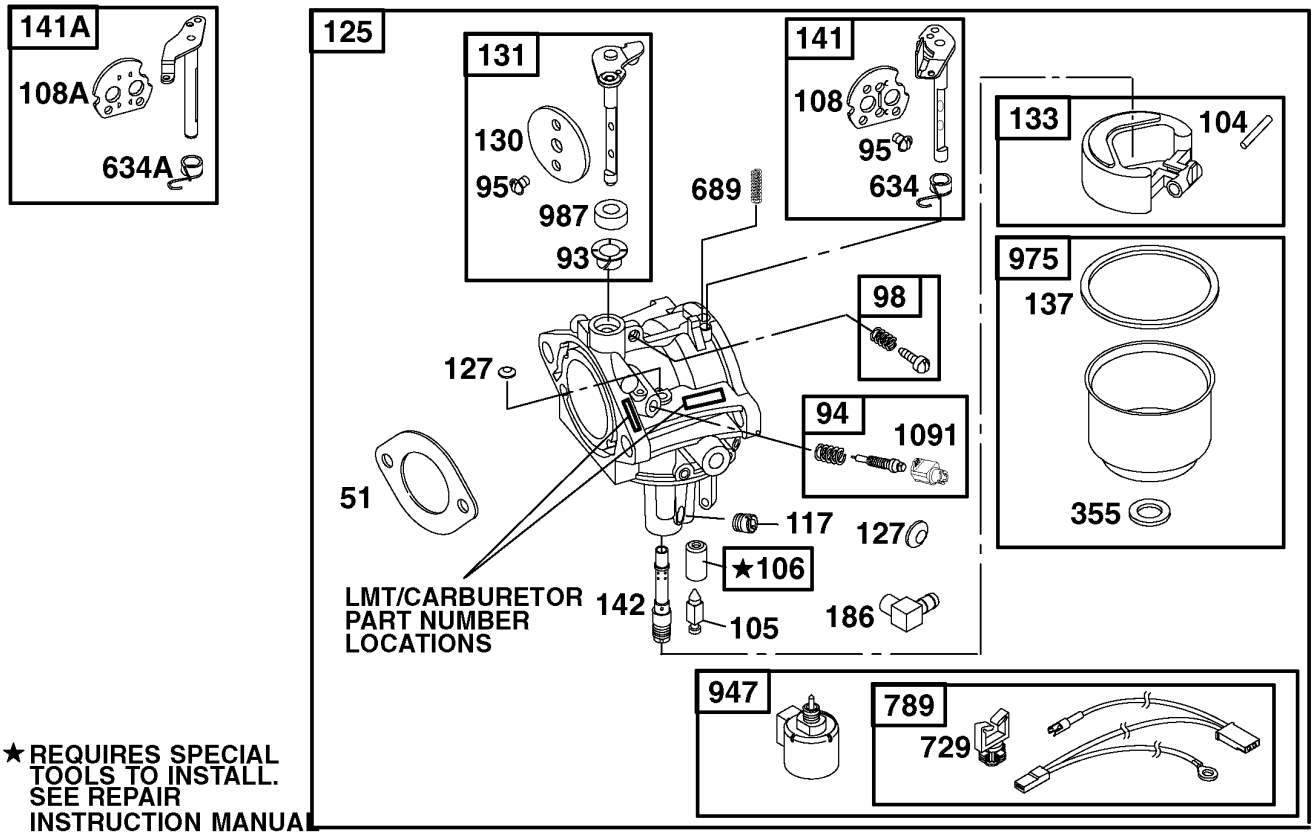



Assemblies include all parts shown in frames.

# Crankcase Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼4 | 693582 | 1 | Enginesump |
| ❸❼12 | 271916 | 1 | Gasket-Crankcase (1/64") |
| ❸❼ | 271997 | 1 | Gasket-Crankcase (.005") |
| ❸❼ | 271996 | 1 | Gasket-Crankcase (.009") |
| ❼15 | 94239 | 1 | Plug-Pipe |
| ❼15A | 91488 | 1 | Plug-Oil |
| ❼16 | 690136 | 1 | Crankshaft |
| ❸❼20 | 291675 | 1 | Seal-Oil |
| ❼22 | 692125 | 1 | Screw |
| ❼24 | 222698 | 1 | Key |
| ❼25 | 692271 | 1 | Piston Assembly (Standard) |
| ❼ | 692272 | 1 | Piston Assy. (.010" O.S.) |
| ❼ | 692273 | 1 | Piston Assy. (.O2O" O.S.) |
| ❼ | 692274 | 1 | Piston Assy. (.030" O.S.) |
| ❼26 | 690162 | 1 | Ring Set (STD) |
| ❼ | 690164 | 1 | Ring Set (.010" O.S.) |
| ❼ | 690166 | 1 | Ring Set (.020" O.S.) |
| ❼ | 690168 | 1 | Ring Set (.030" O.S.) |
| ❼ | 690168 | 1 | Ring Set (.030" O.S.) |
| ❼27 | 691299 | 1 | Lock-Piston Pin |
| ❼28 | 498319 | 1 | Pin-Piston (STD.) |
| ❼ | 498320 | 1 | Pin-Piston (.005 O.S.) |
| ❼29 | 692419 | 1 | Connecting Rod (STD) |
| ❼ | 499940 | 1 | Connecting Rod (.020" Undersize) |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼32 | 692852 | 1 | Screw |
| ❼43 | 490815 | 1 | Gear-Governor |
| ❼46 | 693930 | 1 | Cam Shaft |
| ❼146 | 94196 | 1 | Key-Timing |
| ❼741 | 691284 | 1 | Gear-Timing |
| ❼757 | 213998 | 1 | Link-Counteweight |
| ❼758 | 692423 | 1 | Counterweight |
| ❼759 | 230787 | 1 | Pin-Counterweight |
| ❼761 | 691096 | 1 | Screw (Counterweight) |
| ❼1017 | 690770 | 1 | Screen-Pump, Oil |



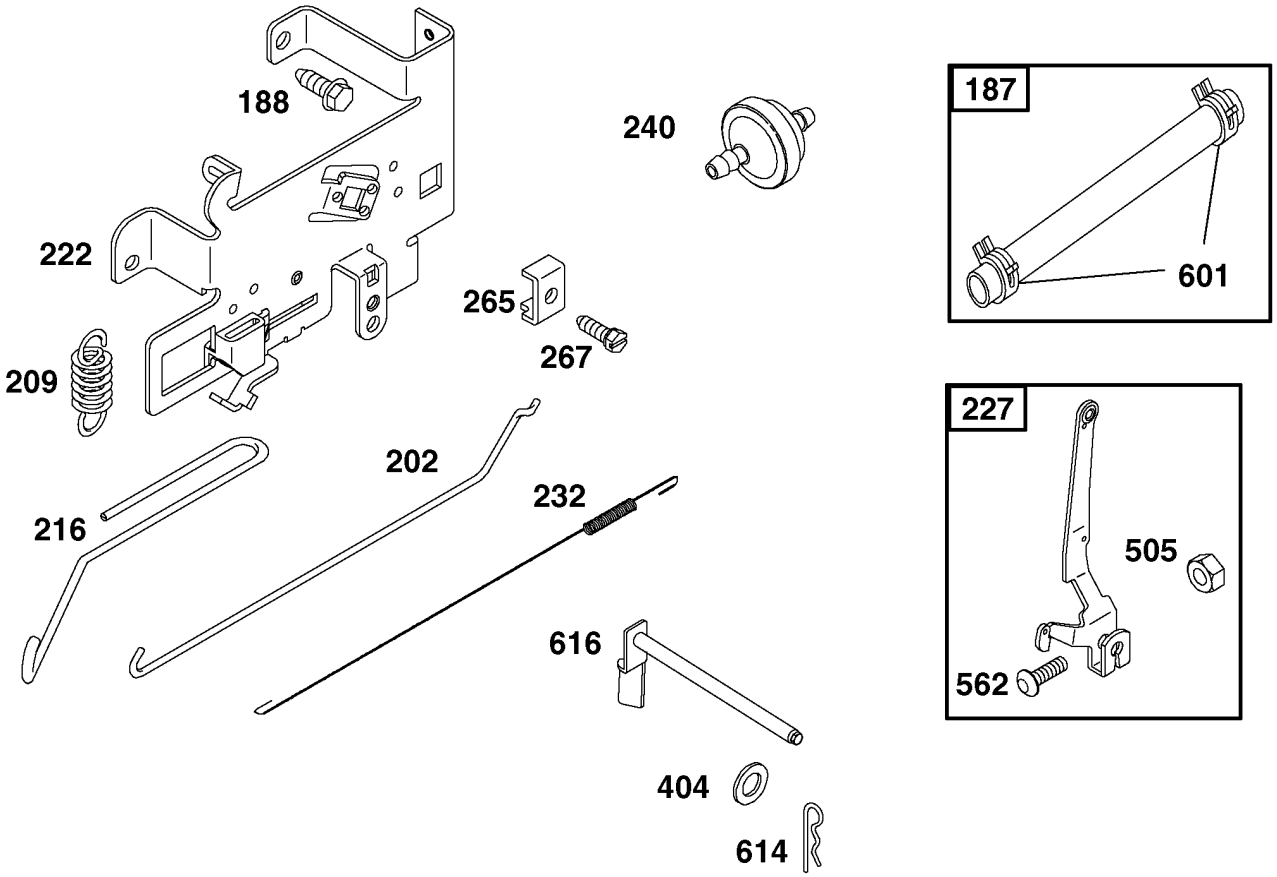

★ REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL

Assemblies include all parts shown in frames.

# Carburetor Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❸❹51 ❺❻ | 273650 | 1 | Gasket-Intake |
| ❹❼93 | 281346 | 1 | Bushing-Throttle |
| ❼94 | 498030 | 1 | Idle Mixture Kit |
| ❹❼95 | 94098 | 1 | Valve-Choke |
| ❼98 | 495800 | 1 | Idle Speed Kit |
| ❹❼104 | 231789 | 1 | Pin-Hinge, Float |
| ❹❼105 | 231855 | 1 | Valve-Needle, Float |
| ❹❼106 | 231854 | 1 | Seat-Inlet |
| ❼108 | 224558 | 1 | Valve-Choke |
| ❼108A | 224540 | 1 | Valve-Choke |
| ❹❼117 | 232118 | 1 | Jet-Main |
| ❼ | 495136 | 1 | Push Rod (Exhaust) |
| ❼125 | 499153 | 1 | Carburetor |
| ❹❼127 | | 1 | Welch Plug(Sold In Kit Only) |
| ❼130 | 224539 | 1 | Valve-Throwe |
| ❼131 | 494379 | 1 | Throttle Shaft Kit |
| ❼133 | 494381 | 1 | Float-Carburetor |
| ❹❻137 ❼ | 281165 | 1 | Gasket-Bowl, Float |
| ❼141 | 495097 | 1 | Choke Shaft Kit |
| ❼141A | 495931 | 1 | Choke Shaft Kit |
| ❹❼142 | 232117 | 1 | Carburetor Nozzle |
| ❼186 | 493496 | 1 | Connector-Fuel |

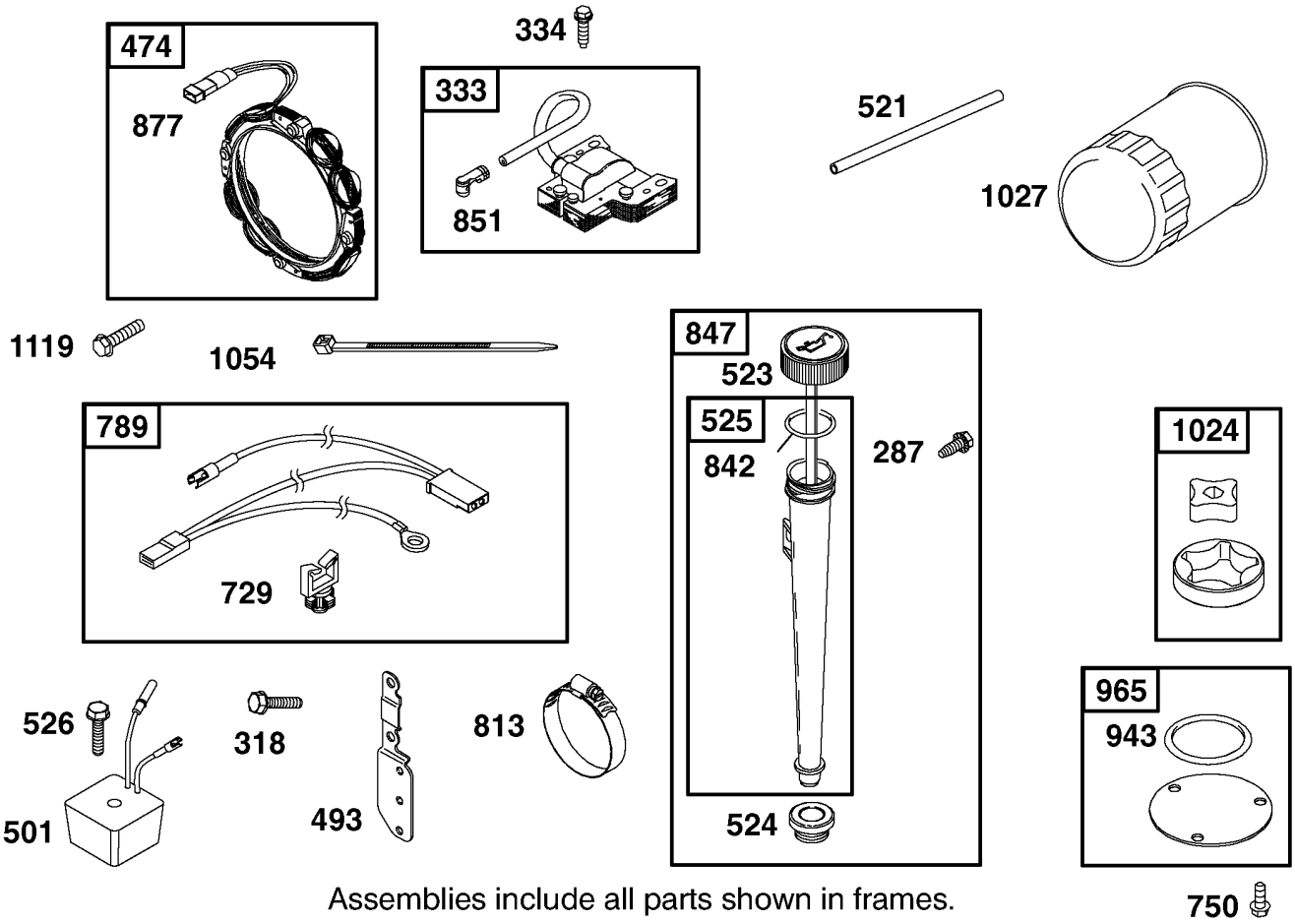
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❹❻355 ❼ | 281164 | 1 | Washer |
| ❹❼634 | 494453 | 1 | Seal-Choke Shaft |
| ❹❼634A | 494455 | 1 | Seal-Choke Shaft |
| ❼689 | 262715 | 1 | Friction Spring |
| ❼729 | 281390 | 1 | Clip-Wire |
| ❼789 | 497708 | 1 | Wire Stop |
| ❼947 | 497672 | 1 | Solenoid |
| ❼975 | 495933 | 1 | Bowl-Float |
| ❹❼987 | 281166 | 1 | Seal-Shaft |
| ❼1091 | 691333 | 1 | Cap-Limiter |




Assemblies include all parts shown in frames.

# Governor Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼187 | 492790 | 1 | Hose-Fuel |
| ❼188 | 94929 | 1 | Screw |
| ❼202 | 262767 | 1 | Choke Link |
| ❼209 | 692208 | 1 | Spring-Governor |
| ❼216 | 691840 | 1 | Link-Choke |
| ❼222 | 694042 | 1 | Bracket-Control |
| ❼227 | 493935 | 1 | Lever-Governor |
| ❼232 | 262785 | 1 | Spring-Link |
| ❼240 | 394358 | 1 | Filter-Fuel |
| ❼265 | 221535 | 1 | Clamp-Casing |
| ❼267 | 94906 | 1 | Screw-Sem |
| ❼404 | 94927 | 1 | Washer |
| ❼505 | 231978 | 1 | Nut-Hex |
| ❼562 | 94907 | 1 | Bolt-Carriage |
| ❼601 | 95162 | 1 | Clamp-Hose |
| ❼614 | 93306 | 1 | Pin-Cotter |
| ❼616 | 495157 | 1 | Crank-Governor |

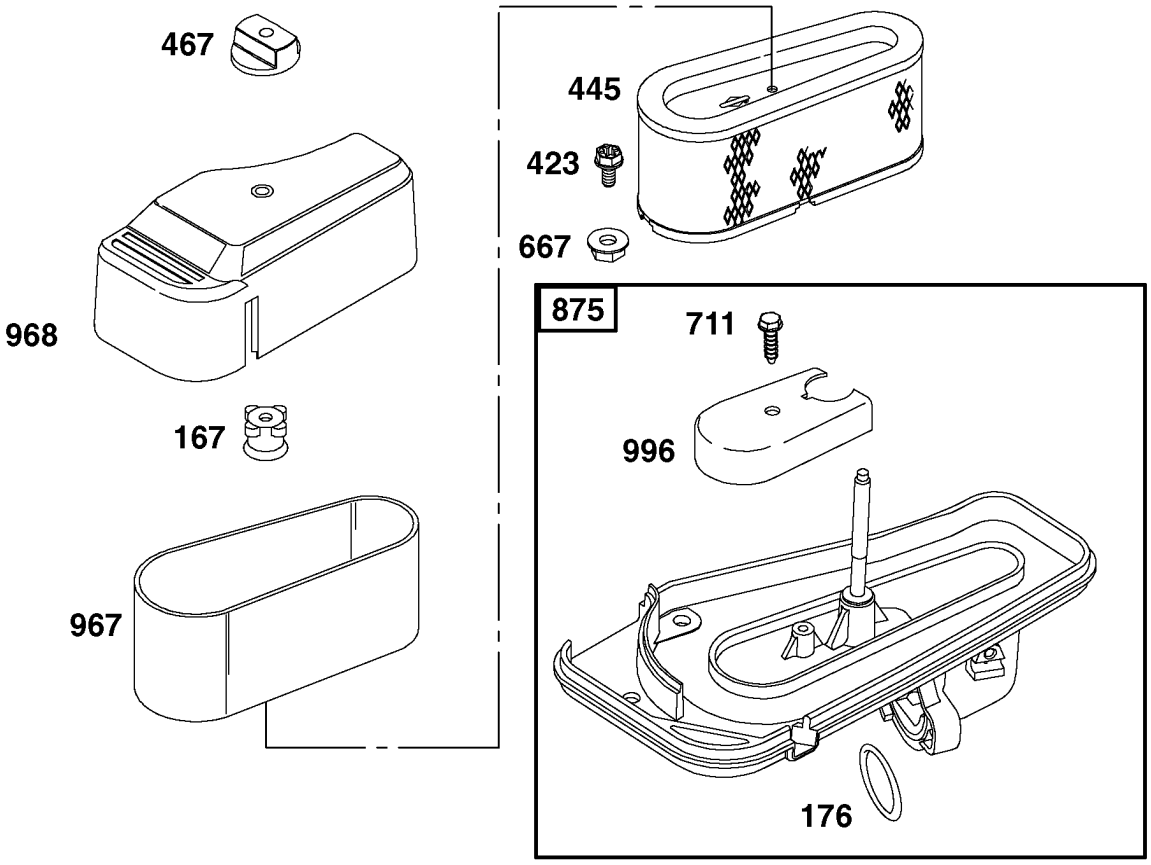



Assemblies include all parts shown in frames.

# Oil Filter, Tube, and Pump Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼287 | 94903 | 1 | Screw-Shoulder |
| ❼318 | 694476 | 1 | Screw |
| ❼333 | 495859 | 1 | Armature-Magneto |
| ❼334 | 691061 | 1 | Screw |
| ❼474 | 691065 | 1 | Alternator |
| ❼493 | 694475 | 1 | Bracket-Mounting |
| ❼501 | 491546 | 1 | Regulator |
| ❼521 | 690581 | 1 | Shield-Cable |
| ❼523 | 692014 | 1 | Dipstick |
| ❸❼524 | 281370 | 1 | Seal |
| ❼525 | 691398 | 1 | Dipstick Tube |
| ❼526 | 690326 | 1 | Screw (Regulator) |
| ❼729 | 281390 | 1 | Clip-Wire |
| ❼750 | 691033 | 1 | Screw |
| ❼789 | 497708 | 1 | Wire Stop |
| ❼813 | 690635 | 1 | Clamp |
| ❸❼842 | 270920 | 1 | O-Ring |
| ❼847 | 496415 | 1 | Fill Group-Oil |
| ❼851 | 224110 | 1 | Cable Terminal |
| ❼877 | 393456 | 1 | Wire-Connector / Alternator |
| ❸❼943 | 280801 | 1 | O-Ring Seal |
| ❼965 | 499613 | 1 | Cover-Pump, Oil |
| ❼1024 | 499054 | 1 | Pump-Oil |
| ❼1027 | 492932 | 1 | Filter-Oil |

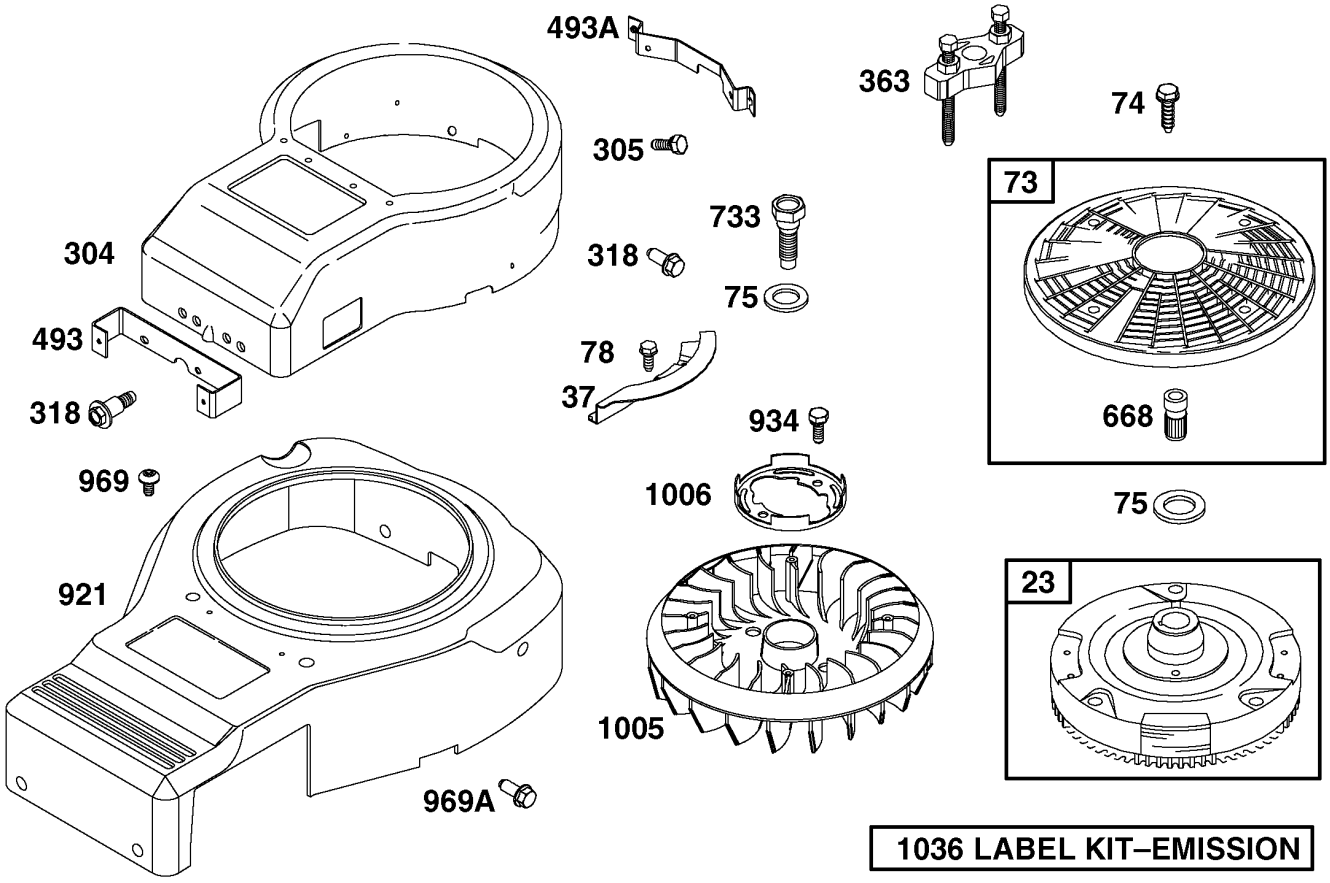
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼1054 | 280275 | 1 | Tie-Cable |
| ❼1119 | 93621 | 1 | Screw |




Assemblies include all parts shown in frames.

# Air Cleaner Assembly
# Briggs and Stratton 311777-0151-E1

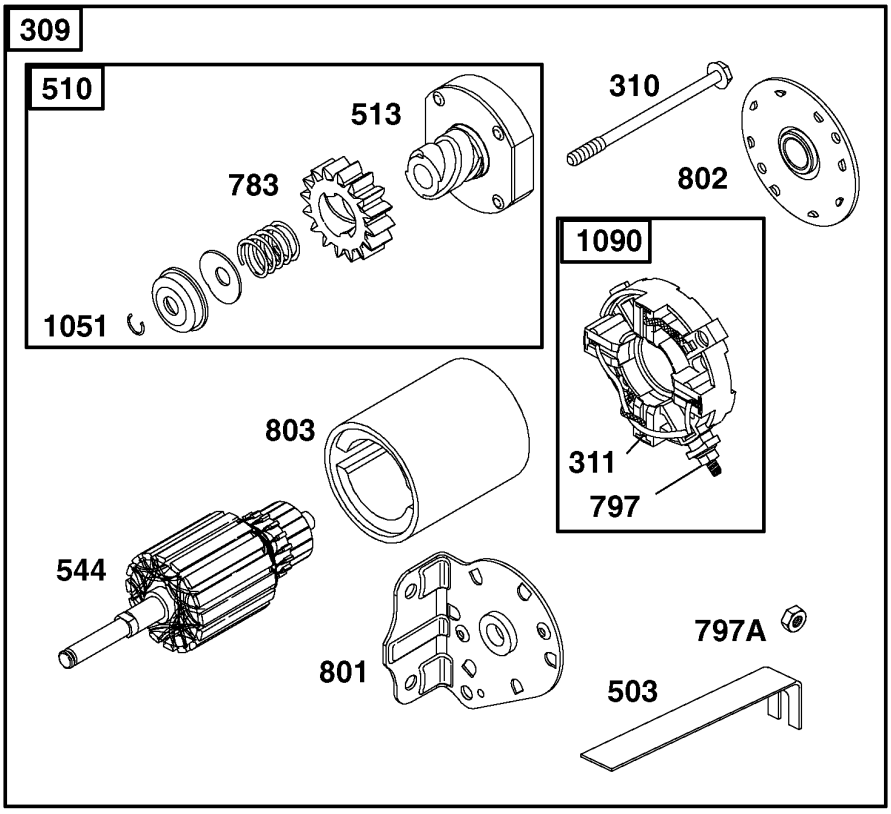
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼167 | 281051 | 1 | Nut |
| ❸❼176 | 281106 | 1 | O-Ring |
| ❼423 | 692129 | 1 | Screw-Torx Hex. |
| ❼467 | 493903 | 1 | Knob |
| ❼445 | 496894 | 1 | Filter-Air |
| ❼667 | 94010 | 1 | Nut |
| ❼711 | 94704 | 1 | Screw |
| ❼875 | 693686 | 1 | Air Cleaner Base |
| ❼967 | 272403 | 1 | Filter-Air |
| ❼968 | 692502 | 1 | Air Cleaner Cover |
| ❼996 | 690678 | 1 | Carburetor Shield |




Assemblies include all parts shown in frames.

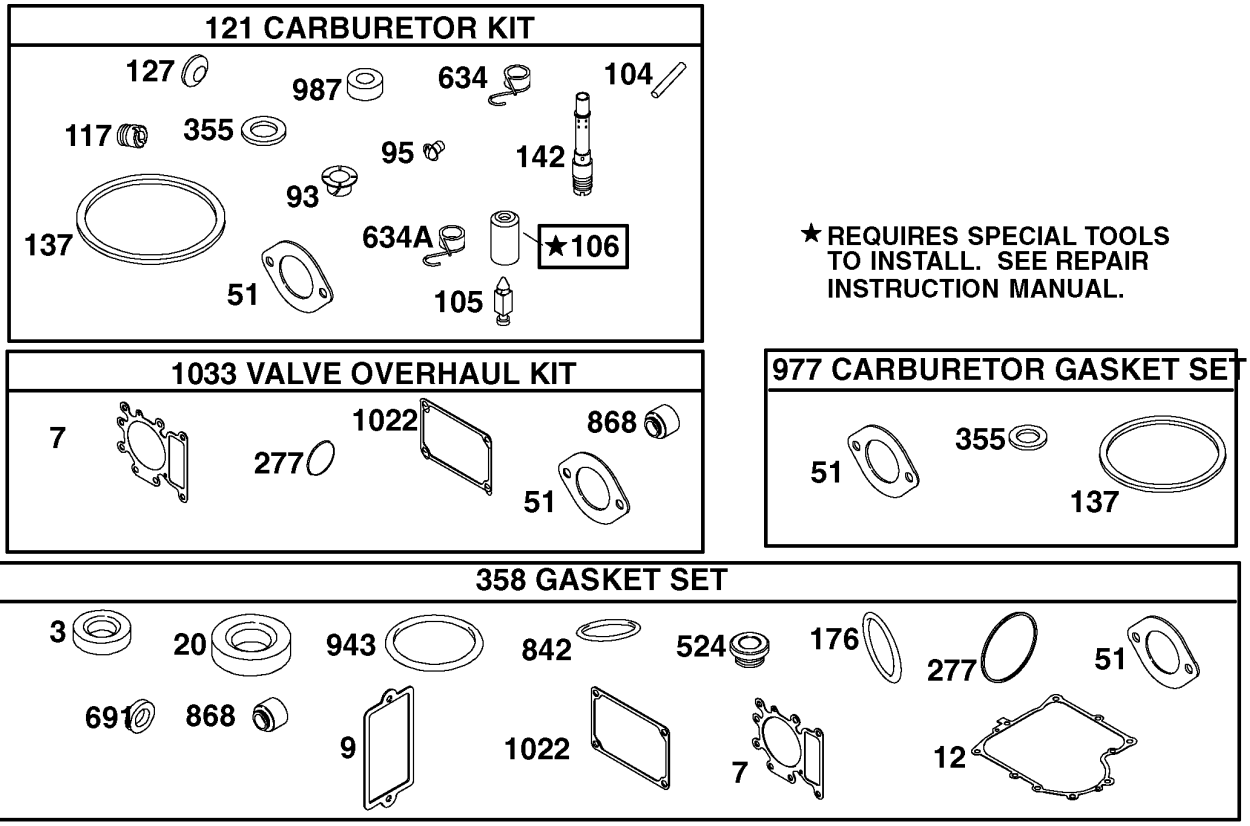
# Blower Housing Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼23 | 693557 | 1 | Flywheel |
| ❼37 | 690456 | 1 | Flywheel Guard |
| ❼73 | 494439 | 1 | Screen-Rotating |
| ❼74 | 94821 | 1 | Screw-Sem |
| ❼75 | 225136 | 1 | Washer |
| ❼78 | 94896 | 1 | Screw |
| ❼304 | 690497 | 1 | Blower Housing |
| ❼305 | 690960 | 1 | Screw |
| ❼318 | 692127 | 1 | Screw (Fuel Tank) |
| ❼363 | 19203 | 1 | Puller-Flywheel |
| ❼493 | 690493 | 1 | Bracket-Mounting (Front) |
| ❼493A | 690494 | 1 | Bracket-Mounting (Rear) |
| ❼668 | 805402 | 1 | Spacer |
| ❼733 | 94673 | 1 | Screw-Hex.Head |
| ❼921 | 692679 | 1 | Blower Housing Cover |
| ❼934 | 94627 | 1 | Screw |
| ❼969 | 690365 | 1 | Screw-Torxê |
| ❼969A | 690960 | 1 | Screw |
| ❼1005 | 281400 | 1 | Fan-Flywheel |
| ❼1006 | 690452 | 1 | Retainer-Fan |
| ❼1036 | 694332 | 1 | Emission Label Kit |




# Starter Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❼309 | 693551 | 1 | Motor-Starter |
| ❼310 | 690323 | 1 | Bolt |
| ❼311 | 497608 | 1 | Brush Set |
| ❼503 | 691532 | 1 | Strap-Starter |
| ❼510 | 693699 | 1 | Drive-Starter |
| ❼513 | 398003 | 1 | Clutch ASM |
| ❼544 | 497603 | 1 | Armature-Starter |
| ❼697 | 690372 | 1 | Screw |
| ❼729A | 691224 | 1 | Clip-Wire |
| ❼783 | 693713 | 1 | Gear-Pinion |
| ❼797 | 693167 | 1 | Nut |
| ❼797A | 92278 | 1 | Nut-Hex |
| ❼801 | 691429 | 1 | Cap-Drive |
| ❼802 | 497607 | 1 | Cap-End |
| ❼803 | 691427 | 1 | Starter Housing |
| ❼1051 | 263080 | 1 | Retainer |
| ❼1090 | 691293 | 1 | Retainer-Brush |




Assemblies include all parts shown in frames.

# Carburetor Overhaul Kit Assembly
# Briggs and Stratton 311777-0151-E1

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❸3 | 391086 | 0 | Seal-Oil |
| ❸❺7 | 692410 | 0 | Gasket-Cylinder Head |
| ❸9 | 27803 | 0 | Gasket-Breather |
| ❸12 | 271916 | 0 | Gasket-Crankcase (1/64") |
| ❸ | 271997 | 0 | Gasket-Crankcase (.005") |
| ❸ | 271996 | 0 | Gasket-Crankcase (.009") |
| ❸20 | 291675 | 0 | Seal-Oil |
| ❸❹51 | 273650 | 0 | Gasket-Intake |
| ❺❻ | | | |
| ❹93 | 281346 | 0 | Bushing-Throttle |
| ❹95 | 94098 | 0 | Valve-Choke |
| ❹104 | 231789 | 0 | Pin-Hinge, Float |
| ❹105 | 231855 | 0 | Valve-Needle, Float |
| ❹106 | 231854 | 0 | Seat-Inlet |
| ❹117 | 232118 | 0 | Jet-Main |
| 121 | 690191 | 0 | Carburetor Kit |
| ❹127 | | 0 | Welch Plug Sold In Kit Only |
| ❹❻137 | 281165 | 0 | Gasket-Bowl, Float |
| ❹142 | 232117 | 0 | Carburetor Nozzle |
| ❸176 | 281106 | 0 | O-Ring |
| ❸❺277 | 692138 | 0 | Seal-O Ring |
| ❹❻355 | 281164 | 0 | Washer |
| 358 | 690189 | 0 | Gasket Set |
| ❸524 | 281370 | 0 | Seal |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❹634 | 494453 | 0 | Seal-Choke Shaft |
| ❹634A | 494455 | 0 | Seal-Choke Shaft |
| ❸691 | 491323 | 0 | Seal-Oil |
| ❸842 | 270920 | 0 | O-Ring |
| ❸❺868 | 499236 | 0 | Seal-Valve |
| ❸943 | 280801 | 0 | O-Ring Seal |
| 977 | 690192 | 0 | Carburetor Gasket Set |
| ❹987 | 281166 | 0 | Seal-Shaft |
| ❸❺1022 | 272475 | 0 | Gasket-Cover, Rocker |
| 1033 | 690190 | 0 | Set-Valve Gasket |


TORO®