Form No. 3329–436

# 1028 Power Shift®

## Snowthrower

**Model No. 38560–240000001 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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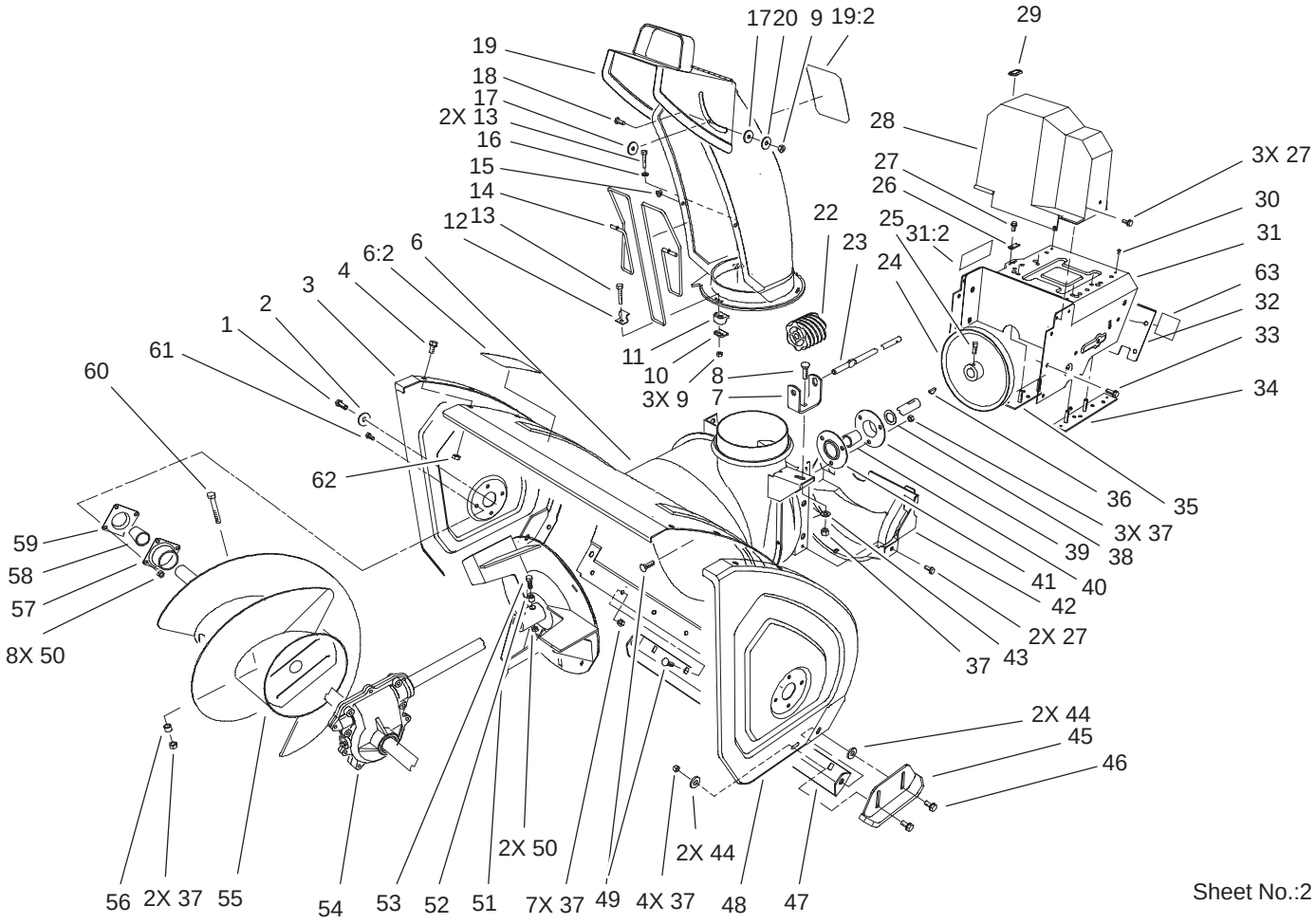
## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

| Abbreviation | Meaning |
|---|---|
| AR | as required |
| ASM | assembly |
| CARR | carriage |
| DEG | degrees |
| FH | flat head |
| GA | gauge |
| HF | hex flange |
| HH | hex head |
| HHF | hex head flange |
| HLH | hex lag head |
| HJ | hex jam |
| HOC | height-of-cut |
| HS | hex socket |
| HSBH | hex socket button head |
| HSFH | hex socket flat head |
| HSH | hex socket head |
| HWH | hex washer head |
| HWHTF | hex washer head thread forming |
| HYD | hydraulic |
| INC | incorporated |
| LH | left hand |
| NI | nylon insert |
| PPH | Phillips pan head |
| PTH | Phillips truss head |
| PTO | power take off |
| RH | right hand |
| SFH | slotted fillister head |
| SHH | slotted hex head |
| SQH | square head |
| SHWH | slotted hex washer head |
| SPH | slotted pan head |
| SRH | slotted round head |
| STD | standard |
| TAP | self tapping |
| TTH | Torx truss head |
| WH | wing head |

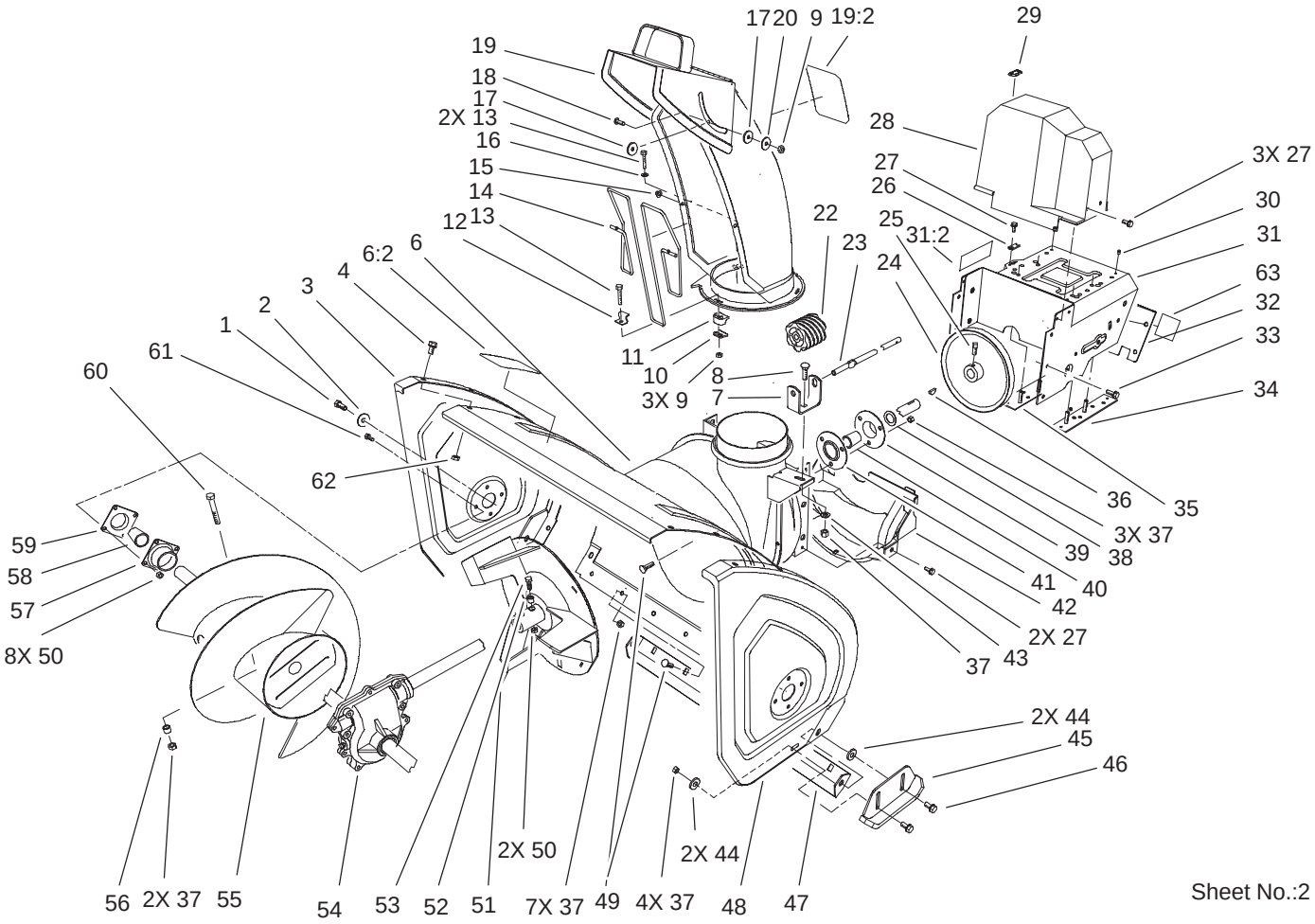



Sheet No.:2

# Housing and Engine Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 323–4 | 2 | Screw–HH |
| 2 | 3–0750 | 2 | Washer |
| 3 | 66–7821–01 | 1 | Plate–Side, RH |
| 4 | 3234–28 | 12 | Screw–HHF |
| 6 | 100–5454 | 1 | Auger Housing ASM |
| 6:2 | 53–7670 | 1 | Decal–Warning, Auger |
| 7 | 63–2180 | 1 | Bracket–Worm, Chute |
| 8 | 3230–2 | 1 | Bolt–CARR |
| 9 | 3296–2 | 4 | Nut–Lock |
| 10 | 63–2670 | 3 | Plate–Retainer, Chute |
| 11 | 62–1430 | 3 | Retainer–Chute |
| 12 | 63–3130 | 1 | Clip–Guard, Chute |
| 13 | 3274–13 | 3 | Screw–HSH |
| 14 | 63–3020 | 1 | Guard–Chute |
| 15 | 3290–326 | 2 | Nut–Push |
| 16 | 3256–14 | 1 | Washer–Flat |
| 17 | 63–2900 | 2 | Washer–Plastic |
| 18 | 32122–32 | 1 | Screw |
| 19 | 95–2661 | 1 | Chute |
| 19:2 | 94–8079 | 1 | Decal–Danger |
| 20 | 3256–61 | 1 | Washer–Flat |
| 22 | 62–0820 | 1 | Gear–Worm |
| 23 | 62–1720 | 1 | Rod–Chute, Lower |
| 24 | 62–1300 | 1 | Pulley–Impeller |
| 25 | 3242–4 | 2 | Screw–Set, SQH |
| 26 | 63–2300 | 1 | Retainer–Cable |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 32144–4 | 6 | Screw–HWH |
| 28 | 63–2080 | 1 | Cover–Belt, Upper |
| 29 | 63–3290 | 1 | Cover–Cable |
| 30 | 3269–23 | 4 | Rivet–Pop |
| 31 | 100–5450 | 1 | Engine Frame ASM |
| 31:2 | 66–6860 | 1 | Decal–Warning |
| 32 | 62–1440–01 | 1 | Cover–Frame, Engine |
| 33 | 32144–14 | 6 | Screw–HWH |
| 34 | 68–4110 | 1 | LH Frame Plate ASM |
| 35 | 68–4100 | 1 | RH Frame Plate ASM |
| 36 | 3257–23 | 1 | Key–Woodruff |
| 37 | 3296–29 | 17 | Nut–Lock, NI |
| 38 | 252–80 | 1 | Washer–Thrust |
| 39 | 26–6110 | 1 | Flange–Cup, Bearing |
| 40 | 63–3450 | 1 | Bearing–Ball |
| 41 | 26–6120 | 1 | Flange–Cup, Bearing |
| 42 | 68–8410 | 1 | Cover–Belt, Lower |
| 43 | 3256–23 | 1 | Washer–Flat |
| 44 | 52–2861 | 4 | Washer |
| 45 | 74–1440–01 | 2 | Skid ASM |
| 46 | 3234–5 | 4 | Screw |
| 47 | 66–7761–01 | 1 | Blade–Scraper |
| 48 | 66–7831–01 | 1 | Plate–Side, LH |
| 49 | 3230–23 | 10 | Screw–CARR |
| 50 | 3296–42 | 10 | Nut–Lock, NI |
| 51 | 66–7920–03 | 1 | Impeller–4 Blade |



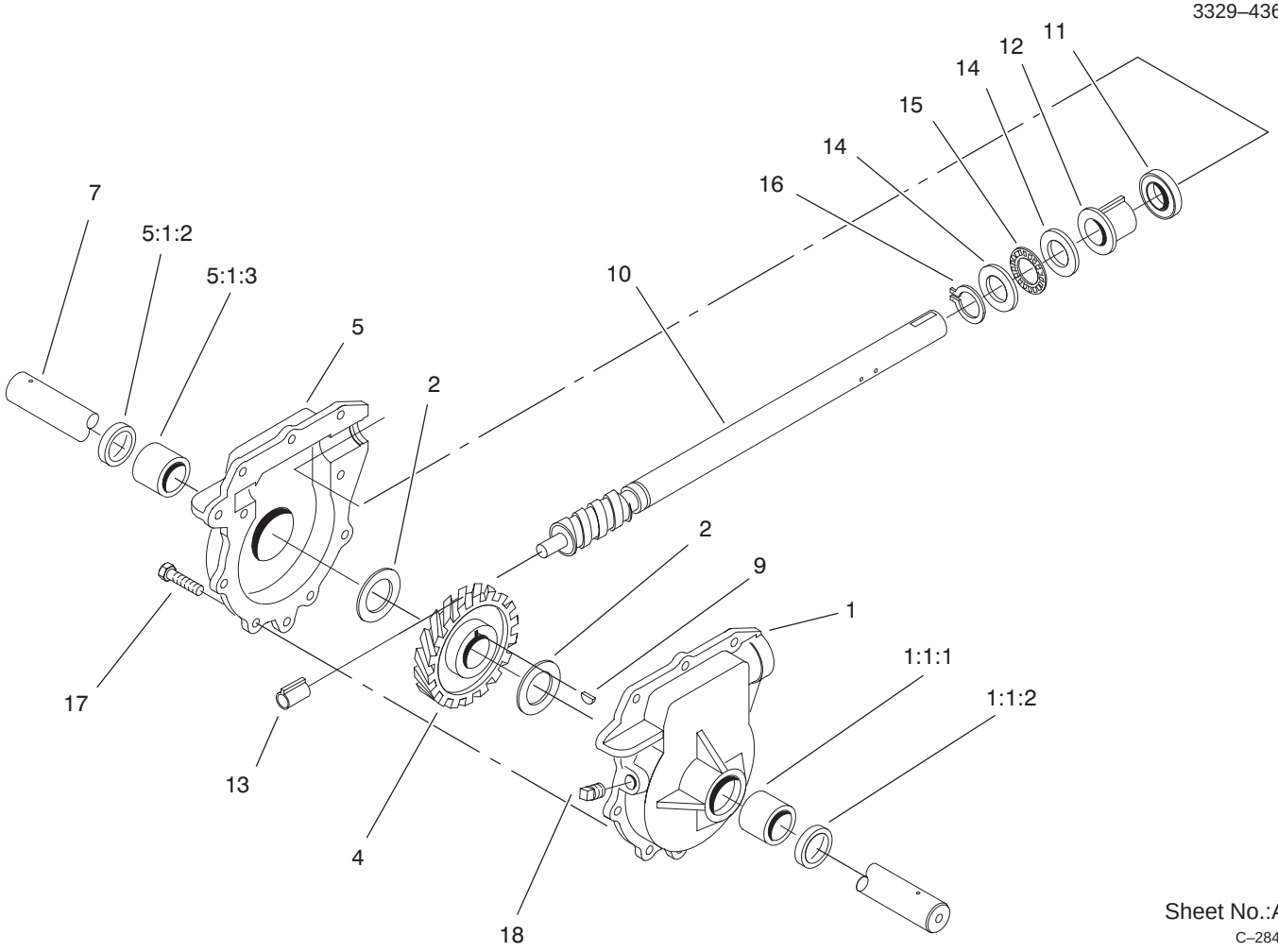

Sheet No.:2

# Housing and Engine Frame Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 52 | 66–8010 | 2 | Spacer–Hub, Impeller |
| 53 | 321–44 | 2 | Screw–HHF |
| 54 | 74–1561 | 1 | 28in Auger Gearcase ASM |
| *55 | 68–7461–03 | 1 | Auger–LH |
| 55 | 68–7451–03 | 1 | Auger–RH |
| 56 | 25–5090 | 2 | Spacer–Hub, Auger |
| 57 | 20–0990 | 2 | Bearing–Flange, Front |
| 58 | 20–0980 | 2 | Bearing |
| 59 | 20–1000 | 2 | Bearing–Flange, Rear |
| 60 | 322–12 | 2 | Screw–HH |
| 61 | 321–3 | 8 | Screw–HH |
| 62 | 3296–47 | 12 | Nut–Lock, NI |
| 63 | 68–9390 | 1 | Decal |

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

* Not illustrated

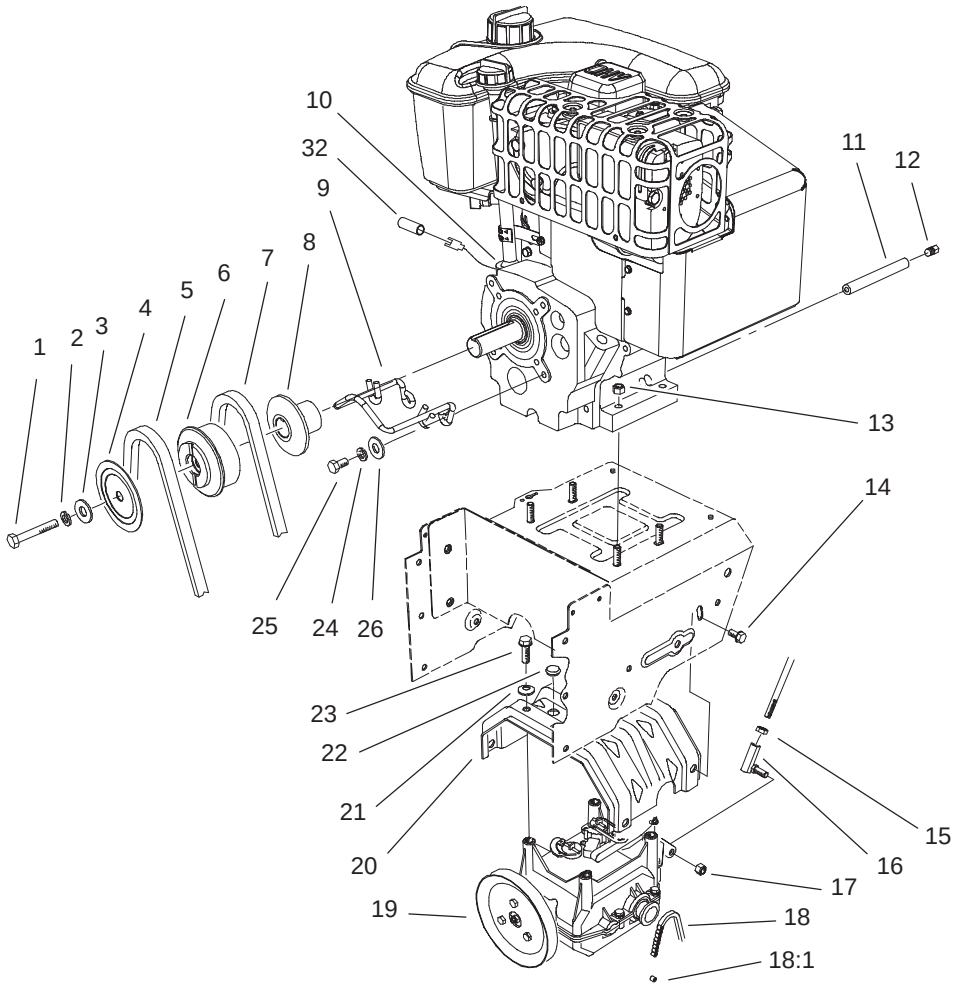



Sheet No.:A1
C–2849

# 28in Auger Gearcase Assembly Part No. 74–1561

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 74–1570 | 1 | LH Auger Gearcase ASM |
| 1:1:1 | 256–237 | 1 | Bushing |
| 1:1:2 | 7–0045 | 1 | Oil Seal |
| 2 | 252–71 | 2 | Washer–Thrust |
| 4 | 62–0120 | 1 | Gear–Helical |
| 5 | 74–1580 | 1 | RH Auger Gearcase ASM |
| 5:1:2 | 7–0045 | 1 | Oil Seal |
| 5:1:3 | 256–237 | 1 | Bushing |
| 7 | 62–1531 | 1 | 28” Auger Shaft |
| 9 | 3257–10 | 1 | Key–Woodruff |
| 10 | 66–7811 | 1 | Shaft–Impeller |
| 11 | 253–149 | 1 | Seal–Oil |
| 12 | 37–6560 | 1 | Bushing–Input |
| 13 | 62–1150 | 1 | Bushing–Worm |
| 14 | 252–78 | 2 | Bearing–Thrust |
| 15 | 252–76 | 1 | Bearing–Thrust |
| 16 | 32151–33 | 1 | Ring–Retaining, Ext. |
| 17 | 32144–110 | 9 | Screw–HWH |
| 18 | 281–1 | 1 | Plug–Pipe, SQH |

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



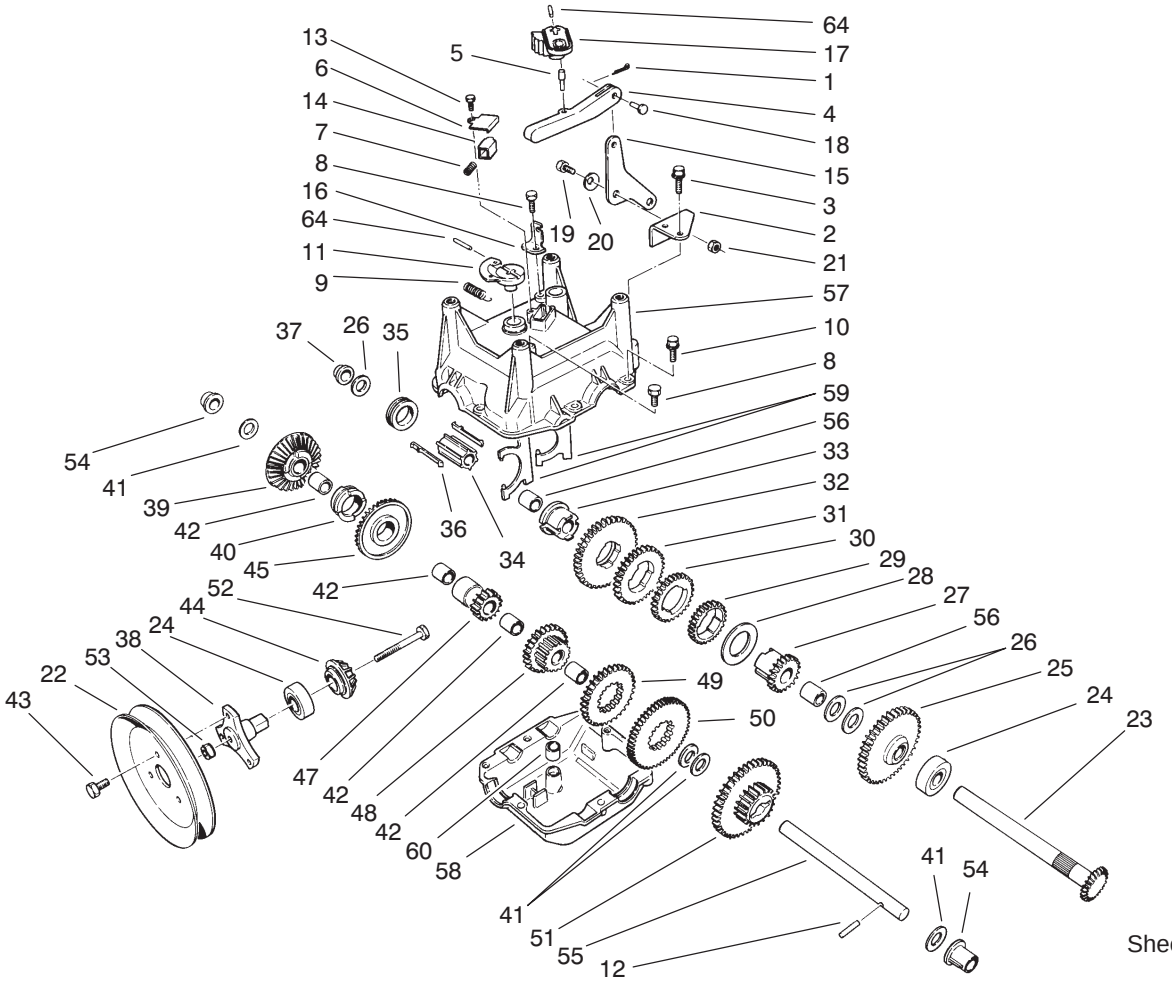

Sheet No.:3

# Engine and Transmission Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3212–8 | 1 | Screw–HH |
| 2 | 3253–6 | 1 | Washer–Lock |
| 3 | 3256–41 | 1 | Washer–Flat |
| 4 | 62–0940 | 1 | Sheave–Half, Impeller |
| 5 | 63–2962 | 1 | V–Belt |
| 6 | 62–0930 | 1 | Pulley–Engine, Center |
| 7 | 63–2951 | 1 | V–Belt, Traction |
| 8 | 62–0920 | 1 | Sheave–Half, Traction |
| 9 | 100–3432 | 1 | Guide–Belt |
| ☆10 | | 1 | Engine–10hp Tecumseh Ohsk 100–221606d |
| *10:2 | 99–9300 | 1 | Cord–Extension |
| 11 | 289–34 | 1 | Nipple–Pipe |
| 12 | 288–2 | 1 | Cap–Pipe |
| 13 | 32128–20 | 4 | Nut–HF |
| 14 | 3234–7 | 4 | Screw–HHF |
| 15 | 3220–3 | 1 | Nut–Jam |
| 16 | 78–2920 | 1 | Ball–Joint |
| 17 | 3296–6 | 1 | Nut–Lock, NI |
| 18 | 63–2930 | 1 | Chain |
| 18:1 | 2710–15 | 1 | Link–Offset |
| 19 | 66–8030 | 1 | Traction Gearcase ASM |
| 20 | 63–2990–03 | 1 | Transmission Frame ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 21 | 3290–461 | 4 | Washer–Spring |
| 22 | 95–7947 | 2 | Cap–Plug |
| 23 | 11–0590 | 4 | Screw–HWH, Thd Form |
| 24 | 3253–4 | 2 | Washer–Lock |
| 25 | 3210–3 | 2 | Screw–HH |
| 26 | 3256–41 | 2 | Washer–Flat |
| 32 | 94–2782 | 1 | Cap–Wire, Lite |

☆ Not serviced separately
* Not illustrated

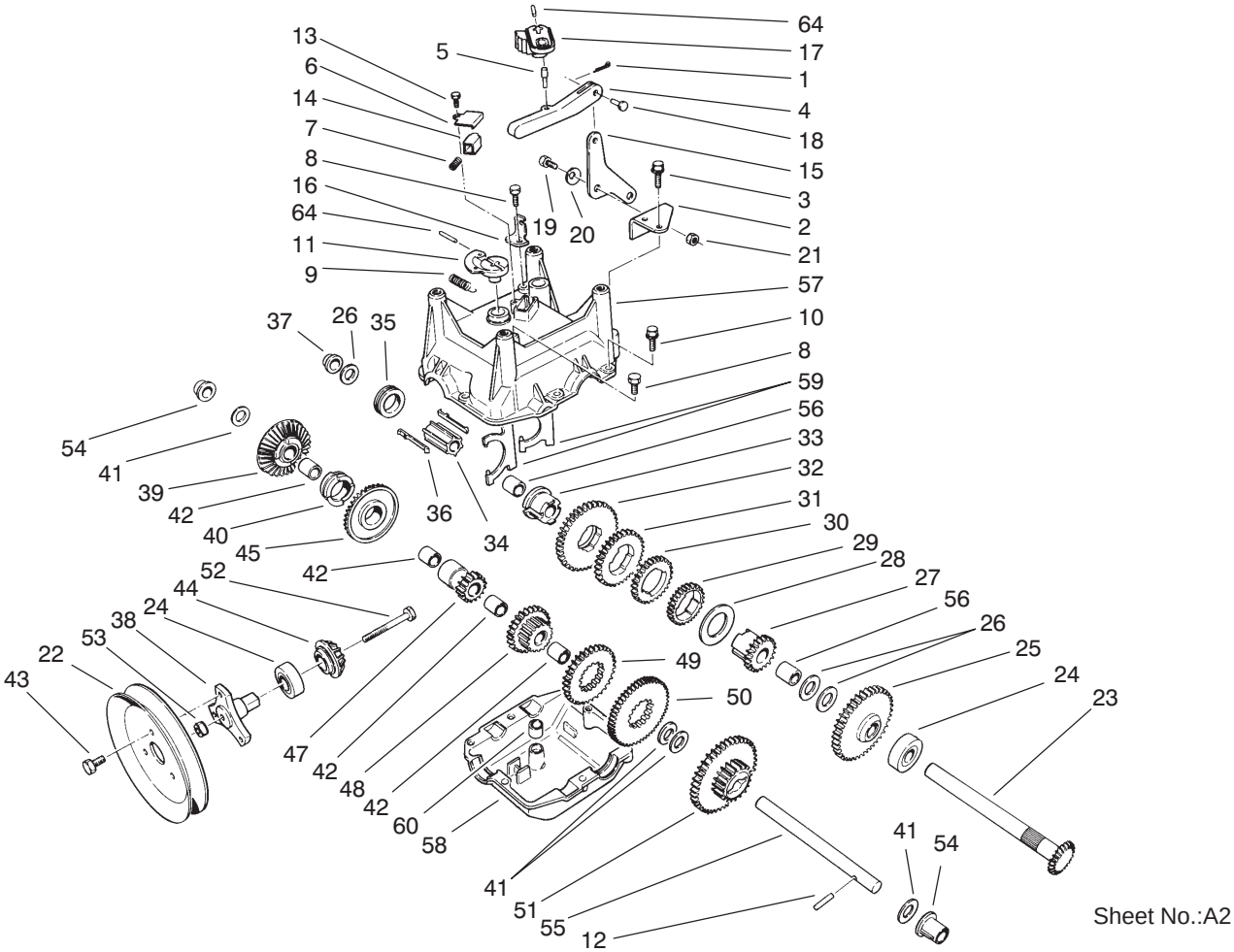



Sheet No.:A2

# Traction Gearcase Assembly Part No. 66–8030

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3272–1 | 1 | Pin–Cotter |
| 2 | 62–1190 | 1 | Bracket–Bellcrank |
| 3 | 32104–95 | 2 | Screw–HWH |
| 4 | 62–0860 | 1 | Link–Shift, Gear |
| 5 | 63–2190 | 1 | Pin–Link, Gear Shift |
| 6 | 62–1690 | 1 | Cover–Detent |
| 7 | 63–2890 | 1 | Spring–Detent |
| 8 | 32144–4 | 2 | Screw–HWH |
| 9 | 63–2920 | 1 | Spring–Extension |
| 10 | 32144–86 | 6 | Screw–HH |
| 11 | 62–0880 | 1 | Lever |
| 12 | 32121–106 | 1 | Pin–Spring |
| 13 | 32104–71 | 1 | Screw–HWH |
| 14 | 62–1020 | 1 | Button–Detent |
| 15 | 63–2600 | 1 | Bellcrank |
| 16 | 62–1740 | 1 | Bracket–Cable |
| 17 | 62–0870 | 1 | Lever–Shift, Gear |
| 18 | 283–3 | 1 | Pin–Clevis |
| 19 | 63–3410 | 1 | Screw–Shoulder |
| 20 | 3290–477 | 1 | Washer–Curved |
| 21 | 3296–42 | 1 | Nut–Lock, NI |
| 22 | 62–1310 | 1 | Traction–Sheave, Half |
| 23 | 62–1080 | 1 | Shaft–Output |
| 24 | 100–1048 | 2 | Bearing–Ball |
| 25 | 62–0370 | 1 | Gear, 41 T |
| 26 | 252–59 | 3 | Bearing–Thrust |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 27 | 62–0340 | 1 | Gear–Sleeve, 19 T |
| 28 | 63–2280 | 1 | Washer–Thrust |
| 29 | 62–0250 | 1 | Gear, 29 T |
| 30 | 62–0200 | 1 | Gear, 27 T |
| 31 | 62–0220 | 1 | Gear, 34 T |
| 32 | 62–0240 | 1 | Gear, 45 T |
| 33 | 62–0320 | 1 | Sleeve–Gear |
| 34 | 68–4320 | 1 | Sleeve–Shift |
| 35 | 62–0430 | 1 | Collar–Shift |
| 36 | 62–0310 | 2 | Key–Shift |
| 37 | 62–1180 | 1 | Bushing–Flange, Output |
| 38 | 62–0380 | 1 | Hub–Pulley |
| 39 | 67–5860 | 1 | Gear–Bevel, Rev, 36 T |
| 40 | 67–5880 | 1 | Collar–Shift |
| 41 | 257–10 | 4 | Washer–Thrust |
| 42 | 62–1160 | 4 | Bushing |
| 43 | 12–3270 | 3 | Screw |
| 44 | 62–0350 | 1 | Pinion–Bevel |
| 45 | 67–5870 | 1 | Gear–Bevel, 36 T |
| 47 | 62–0500 | 1 | Gear–Bevel, 15 T |
| 48 | 68–4310 | 1 | Gear, 26 T |
| 49 | 62–0210 | 1 | Gear, 33 T |
| 50 | 62–0260 | 1 | Gear, 51 T |
| 51 | 62–0360 | 1 | Gear, 19/41 T |
| 52 | 321–15 | 1 | Screw–HH |

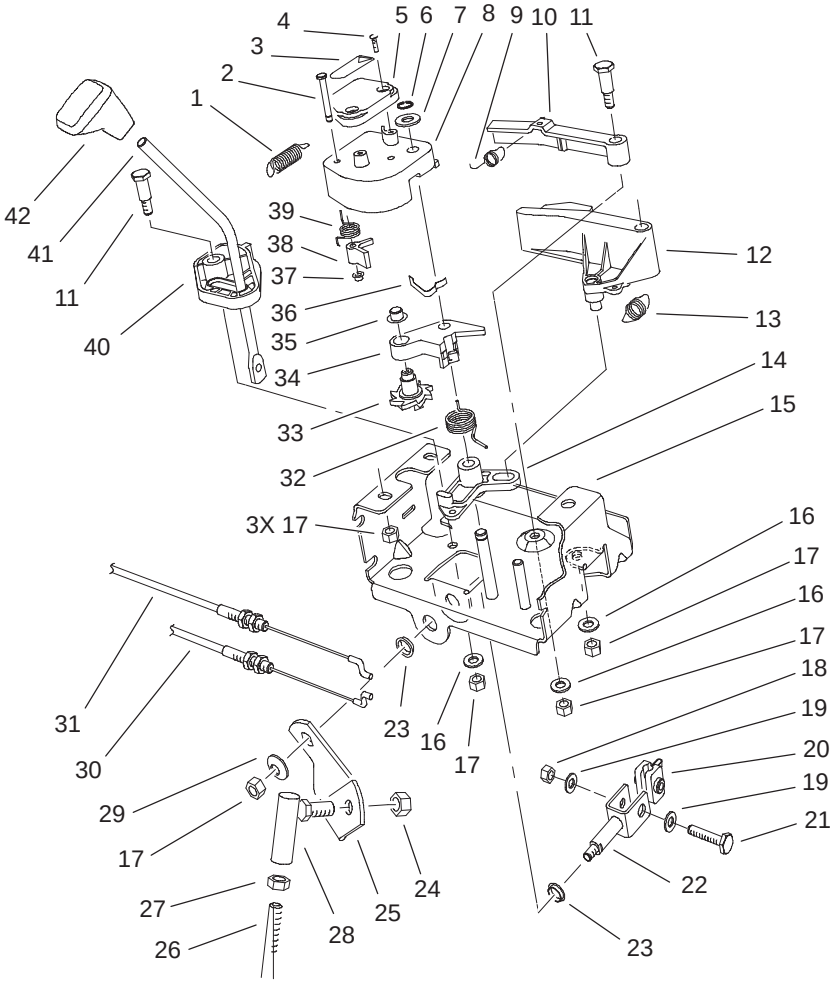



Sheet No.:A2

# Traction Gearcase Assembly Part No. 66–8030

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 53 | 32128–32 | 1 | Nut–HHF |
| 54 | 62–1170 | 2 | Bushing–Intermediate |
| 55 | 62–0330 | 1 | Shaft–Intermediate |
| 56 | 62–1350 | 2 | Bushing–Output |
| 57 | 62–0490 | 1 | Gearcase–Upper, Casing |
| 58 | 62–0480 | 1 | Gearcase–Lower, Casing |
| 59 | 62–1040 | 2 | Yoke–Shift |
| 60 | 29–9570 | 1 | Bushing–Yoke |
| 64 | 32121–120 | 2 | Pin–Spring |

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

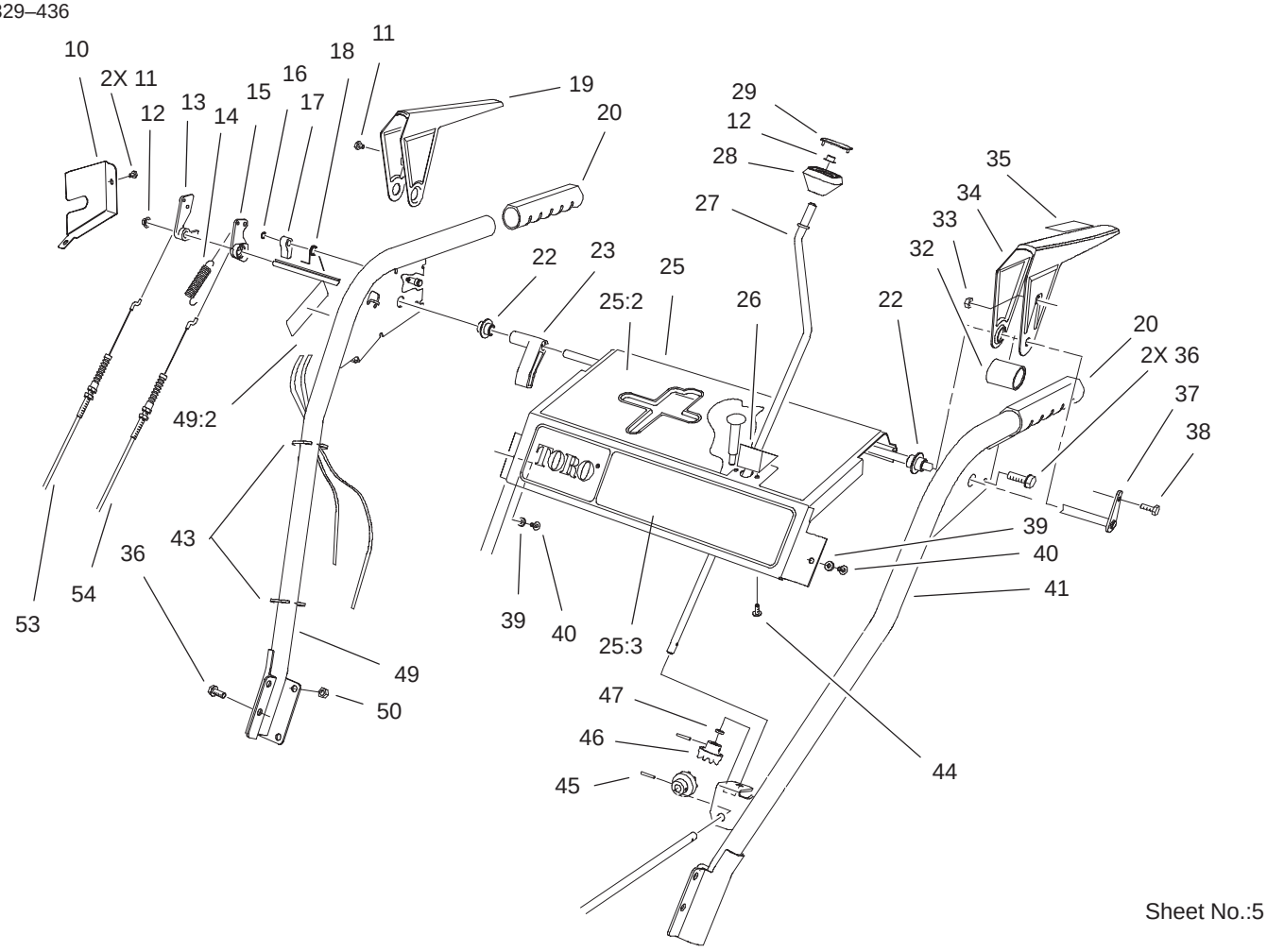



Sheet No.:4

# Power Shift Control Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 63–2220 | 1 | Spring–Extension |
| 2 | 63–2610 | 1 | Pin–Tang |
| 3 | 63–2480 | 1 | Decal–Number 2 |
| 4 | 94–6961 | 2 | Screw |
| 5 | 62–1140 | 1 | Cover–Latch |
| 6 | 32120–46 | 1 | Ring–Retaining |
| 7 | 257–9 | 1 | Washer–Thrust |
| 8 | 62–1100 | 1 | Lever Latch |
| 9 | 63–2240 | 1 | Spring–Extension |
| 10 | 62–1700 | 1 | Lever–Lockout |
| 11 | 63–2650 | 2 | Screw–Shoulder |
| 12 | 62–1130 | 1 | Lever–Reverse |
| 13 | 63–2230 | 1 | Spring–Extension |
| 14 | 62–1120 | 1 | Lever–Reverse, Switch |
| 15 | 63–2150–03 | 1 | Control Frame ASM |
| 16 | 3256–23 | 3 | Washer–Flat |
| 17 | 3296–29 | 7 | Nut–Lock, NI |
| 18 | 3296–42 | 1 | Nut–Lock, NI |
| 19 | 3256–1 | 2 | Washer–Flat |
| 20 | 67–9250 | 1 | Retainer–Rod, Shift |
| 21 | 321–9 | 1 | Screw–HH |
| 22 | 66–7730 | 1 | Clevis ASM |
| 23 | 256–296 | 2 | Bushing |
| 24 | 3296–6 | 1 | Nut–Lock, NI |
| 25 | 63–2630 | 1 | Bracket–Shift |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 63–2830 | 1 | Rod–Bent Shift, Lower |
| 27 | 3220–3 | 1 | Nut–Jam |
| 28 | 78–2920 | 1 | Ball–Joint |
| 29 | 3290–456 | 1 | Washer–Belleville |
| 30 | 63–2210 | 1 | Cable–Gearbox |
| 31 | 63–2200 | 1 | Cable–Arm, Latch |
| 32 | 63–2270 | 1 | Spring–Torsion |
| 33 | 62–0170 | 1 | Wheel–Index |
| 34 | 62–1110 | 1 | Lever–Wheel, Index |
| 35 | 3290–320 | 1 | Retainer–Push On |
| 36 | 62–1710 | 1 | Spring–Flat |
| 37 | 3290–422 | 1 | Nut–Push |
| 38 | 62–0180 | 1 | Tang–Index |
| 39 | 62–1650 | 1 | Spring–Torsion |
| 40 | 62–1470 | 1 | Base–Lockout |
| 41 | 67–9240 | 1 | Rod–Shift |
| 42 | 62–1290 | 1 | Knob–Shift |

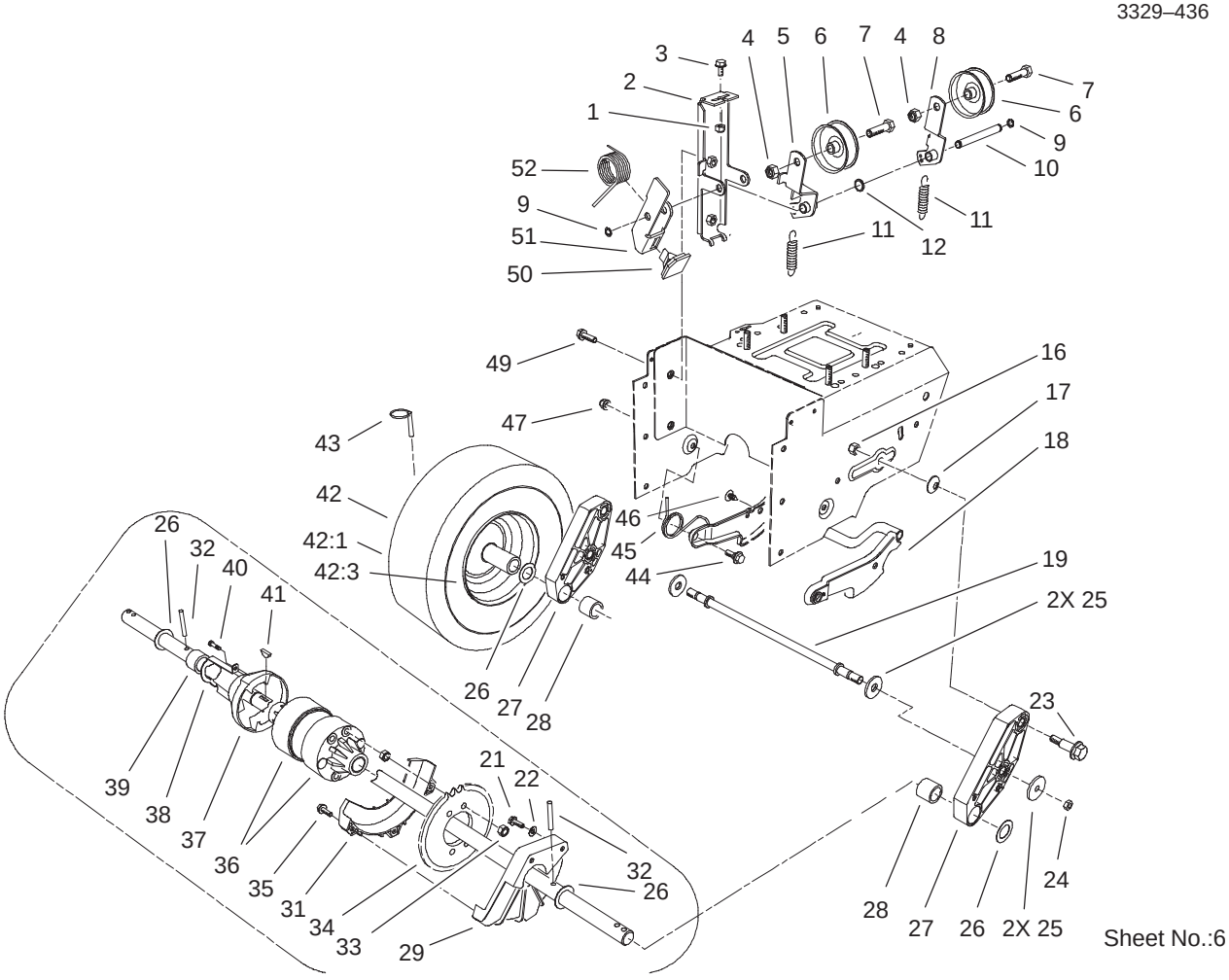



Sheet No.:5

# Handle and Control Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 10 | 63–2170–03 | 1 | Cover–Lock, Lever |
| 11 | 2210–250 | 3 | Screw–HH |
| 12 | 3290–320 | 2 | Retainer–Push On |
| 13 | 62–0300 | 1 | Tang–Locking |
| 14 | 88–0810 | 1 | Spring–Extension |
| 15 | 62–0290 | 1 | Cam–Release |
| 16 | 32151–66 | 1 | E–Ring–Retainer |
| 17 | 62–0280 | 1 | Latch–Locking |
| 18 | 63–2910 | 1 | Spring–Torsion |
| 19 | 62–1050–03 | 1 | Lever–Traction, RH |
| 20 | 66–7850 | 2 | Grip–Handle |
| 22 | 62–1070 | 2 | Bushing–Lever |
| 23 | 62–1640 | 1 | Lever–Trip |
| 25 | 100–3576 | 1 | Control Panel ASM |
| 25:2 | 99–3230 | 1 | Decal–Top, Panel |
| 25:3 | 100–3336 | 1 | Decal – Front Panel |
| 26 | 62–1490 | 1 | Plate–Guide |
| 27 | 63–2160 | 1 | Crank–Rod, Chute |
| 28 | 62–1320 | 1 | Knob–Control, Chute |
| 29 | 62–1520 | 1 | Cover–Knob |
| 32 | 63–3380 | 1 | Spacer–Lever, Traction |
| 33 | 3296–2 | 1 | Nut–Lock |
| 34 | 62–1060–03 | 1 | Lever–Traction, LH |
| 35 | 63–3050 | 1 | Decal–Lever |
| 36 | 32144–14 | 6 | Screw–HWH |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 37 | 63–2030 | 1 | Cross Rod ASM |
| 38 | 3290–359 | 1 | Screw–HWH |
| 39 | 3256–14 | 2 | Washer–Flat |
| 40 | 32104–76 | 2 | Screw |
| 41 | 66–8091–03 | 1 | LH Handle ASM |
| 43 | 3290–378 | 2 | Tie–Cable |
| 44 | 94–6961 | 2 | Screw |
| 45 | 32121–50 | 2 | Pin–Spring |
| 46 | 62–1460 | 2 | Gear–Universal |
| 47 | 62–1230 | 1 | Washer–Rubber |
| 49 | 100–3597 | 1 | Handle ASM |
| 49:2 | 66–6860 | 1 | Decal–Warning |
| 50 | 3296–47 | 4 | Nut–Lock, NI |
| 53 | 63–2700 | 1 | Cable–Impeller |
| 54 | 63–2710 | 1 | Cable–Traction |



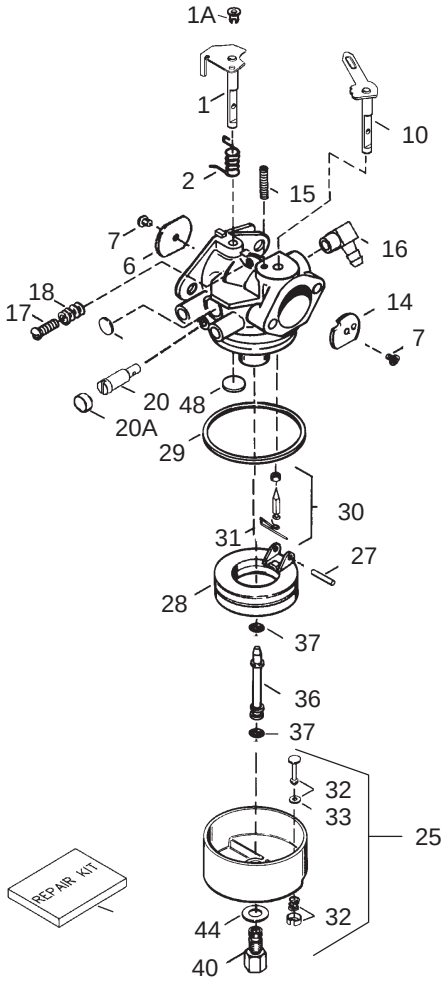

Sheet No.:6

# Lower Traction Assembly

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3296–42 | 1 | Nut–Lock, NI |
| 2 | 63–2850 | 1 | Idler Arm Bracket ASM |
| 3 | 3234–13 | 1 | Screw–HHF |
| 4 | 3296–59 | 2 | Nut–Lock, NI |
| 5 | 93–8046 | 1 | Impeller Idler Arm ASM |
| 6 | 3–4244 | 2 | Pulley–Idler |
| 7 | 323–7 | 2 | Screw–HH |
| 8 | 93–8045 | 1 | Traction Idler Arm ASM |
| 9 | 32120–46 | 2 | Ring–Retaining |
| 10 | 62–0970 | 1 | Pin–Idler |
| 11 | 63–2870 | 2 | Spring–Extension |
| 12 | 3256–38 | 1 | Washer–Flat |
| 16 | 3296–39 | 2 | Nut–Lock, NI |
| 17 | 3290–461 | 2 | Washer–Spring |
| 18 | 62–0470–03 | 1 | Latch ASM |
| 19 | 66–7720 | 1 | Rod–Latch |
| 21 | 32144–4 | 2 | Screw–HWH |
| 22 | 3256–1 | 2 | Washer–Flat |
| 23 | 62–1330 | 2 | Bolt–Shoulder |
| 24 | 3296–23 | 2 | Nut–Lock, NI |
| 25 | 63–3340 | 4 | Washer–Support |
| 26 | 252–80 | 4 | Washer–Thrust |
| 27 | 66–7740 | 2 | Pivot Arm ASM |
| 28 | 63–2250 | 2 | Bushing–Axle |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 29 | 62–1010 | 1 | Guard–Chain, LH |
| 31 | 68–9310 | 1 | Guard–Chain |
| 32 | 32121–9 | 2 | Pin–Spring |
| 33 | 3296–47 | 6 | Nut–Lock, NI |
| 34 | 68–9270 | 1 | Sprocket, 32 T |
| 35 | 94–4496 | 3 | Screw–PPH |
| 36 | 68–9200 | 1 | Differential ASM |
| 37 | 68–9250 | 1 | Coupling–Differential |
| 38 | 68–9260 | 1 | Spring – Lockout |
| 39 | 95–7930 | 1 | Spacer |
| 40 | 104–2065 | 1 | Screw–HWH |
| 41 | 3257–41 | 2 | Key–Woodruff |
| 42 | | 2 | Wheel & Tire Assembly |
| 42:1 | 231–123 | 1 | Tire |
| *42:2 | 232–48 | 1 | Inner Tube |
| 42:3 | 241–127 | 1 | Rim–Wheel |
| 43 | 3290–243 | 2 | Pin–Lynch |
| 44 | 5–2490 | 2 | Screw–Shoulder |
| 45 | 63–2740 | 1 | Spring–Latch, Torsion |
| 46 | 3290–476 | 1 | Fastener–Panel |
| 47 | 3296–47 | 2 | Nut–Lock, NI |
| 49 | 3234–7 | 2 | Screw–HHF |
| 50 | 66–8060 | 1 | Pad–Brake |
| 51 | 63–2820 | 1 | Arm–Brake |
| 52 | 100–5474 | 1 | Spring–Torsion |

* Not illustrated




Sheet No.:

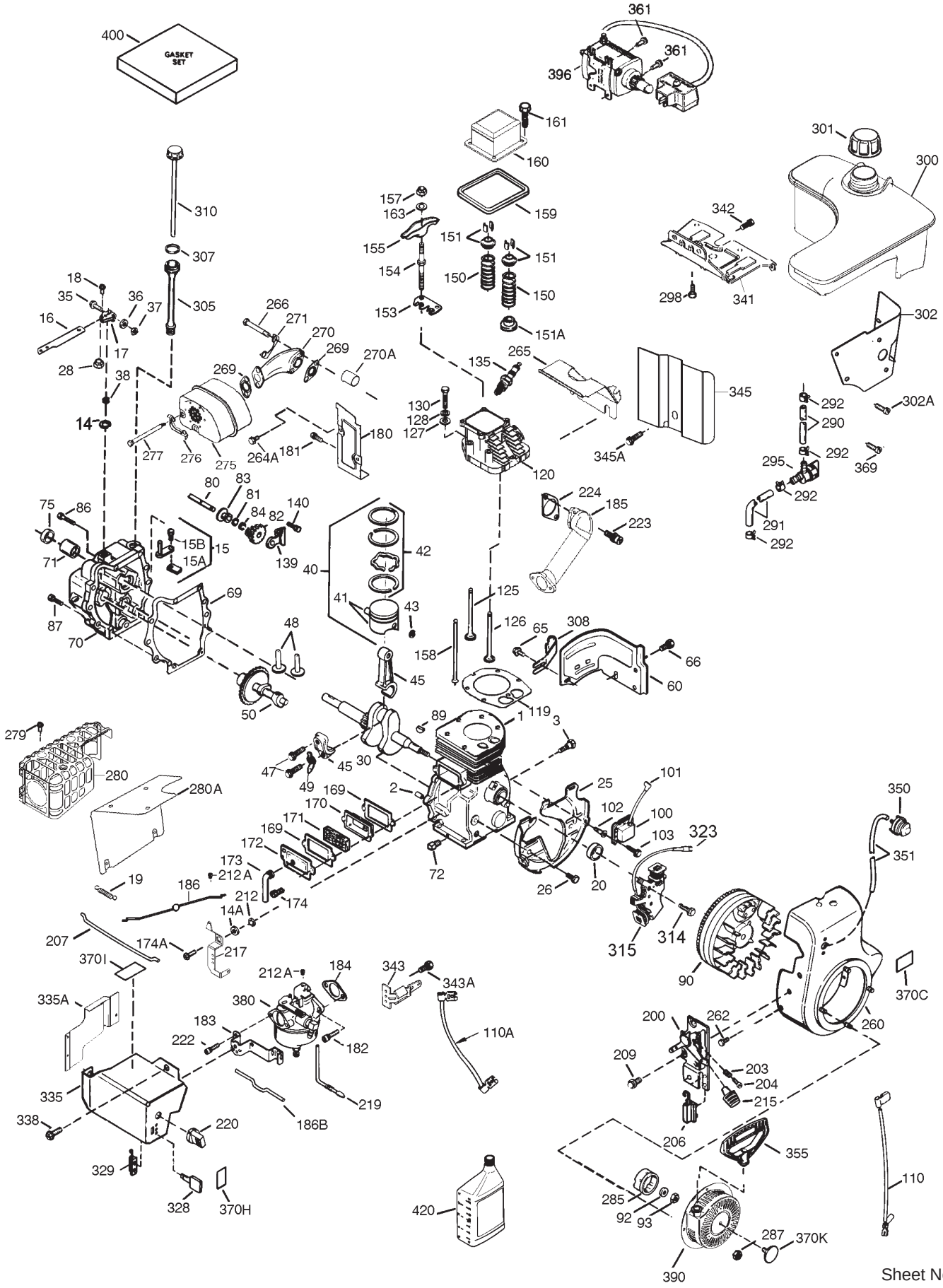
# Carburetor Assembly Part No. 640169

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 632777 | 1 | Throttle Shaft & Lever ASM |
| 1A | 36288 | 1 | Bushing |
| 2 | 631970 | 1 | Throttle Return Spring |
| 6 | 640109 | 1 | Throttle Shutter |
| 7 | 650506 | 2 | Shutter Screw |
| 10 | 632778 | 1 | Choke Shaft & Lever ASM |
| 14 | 632189 | 1 | Choke Shutter |
| 15 | 630735 | 1 | Choke Positioning Spring |
| 16 | 632527 | 1 | Fuel Fitting |
| 17 | 651025 | 1 | Idle Speed Screw |
| 18 | 630766 | 1 | Tension Spring |
| 20 | 640027 | 1 | Idle Restrictor Screw |
| 20A | 640053 | 1 | Idle Restrictor Screw Cap |
| 25 | 632594A | 1 | Float Bowl ASM (Incl. Ref.# 32 & 33) |
| 27 | 631024 | 1 | Float Shaft |
| 28 | 632802 | 1 | Float |
| 29 | 631028 | 1 | Float Bowl O–Ring |
| 30 | 631021 | 1 | Inlet Needle, Seat, Clip (Incl. Ref.# 31) |
| 31 | 631022 | 1 | Spring Clip |
| 32 | 27136A | 1 | Bowl Drain ASM |

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 33 | 27554 | 1 | Drain Plunger Gasket |
| 36 | 640013 | 1 | Main Nozzle Tube |
| 37 | 632547 | 2 | O–Ring, Main Nozzle Tube |
| 40 | 640170 | 1 | High Speed Bowl Nut |
| 44 | 27110A | 1 | Bowl Nut Washer |
| 47 | 630748 | 1 | Welch Plug, Idle Mixture Well |
| 48 | 631027 | | Welch Plug, Vent |
| 60 | 632760 | 1 | Repair Kit |

Obtain Part from Local Tecumseh Dealer.

# Tecumseh Engine Assembly
# Model No. OHSK100–221606D



# Tecumseh Engine Assembly
# Model No. OHSK100–221606D

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 37251 | 1 | Cylinder (Incl. Ref.# 2, 20 & 72) |
| 2 | 27652 | 2 | Dowel Pin |
| 3 | 650820 | 2 | Screw |
| 14 | 28277 | 1 | Washer |
| 14A | 651057 | 1 | Washer |
| 15 | 30699C | 1 | Governor Rod (Incl. Ref.#15A & 15B) |
| 15A | 30700 | 1 | Yoke—Governor |
| 15B | 650494 | 1 | Screw |
| 16 | 37255A | 1 | Governor Lever |
| 17 | 29916 | 1 | Governor Lever Clamp |
| 18 | 651028 | 1 | Screw – Torx |
| 19 | 36281 | 1 | Extension Spring |
| 20 | 35319 | 1 | Oil Seal |
| 25 | 36460 | 1 | Blower Housing Baffle |
| 26 | 650561 | 2 | Screw |
| 28 | 30322 | 1 | Lock Nut |
| 30 | 37272 | 1 | Crankshaft |
| 35 | 29826 | 1 | Screw |
| 36 | 29918 | 1 | Lock Washer |
| 37 | 29216 | 1 | Lock Nut |
| 38 | 29642 | 1 | Retaining Ring |
| 40 | 40011 | 1 | Piston, Pin & Ring Set (Std.) |
| 40 | 40012 | 1 | Piston, Pin & Ring Set (.010) |
| 41 | 40009 | 1 | Piston & Pin Ass'y (Std.) (Incl. Ref.#43) |
| 41 | 40010 | 1 | Piston & Pin Ass'y (.010) (Incl. Ref.#43) |
| 42 | 40013 | 1 | Ring Set (Std.) |
| 42 | 40014 | 1 | Ring Set (.010) |
| 43 | 27888 | 2 | Piston Pin Retaining Ring |
| 45 | 36897 | 1 | Connecting Rod ASM (Incl. Ref.# 47 & 49) |
| 47 | 651033 | 2 | Connecting Rod Bolt |
| 48 | 35313 | 2 | Valve Lifter |
| 49 | 63896 | 1 | Oil Dipper |
| 50 | 37517 | 1 | Camshaft (MCR) |
| 60 | 35316A | 1 | Blower Housing Extension |
| 65 | 30200 | 1 | Screw |
| 66 | 30063 | 1 | Screw – Torx |
| 69 | 37342 | 1 | Cylinder Cover Gasket |
| 70 | 37273B | 1 | Cylinder Cover (Incl. Ref.#71,75 & 80—84) |
| 71 | 35377 | 1 | Crankshaft Bushing |
| 72 | 27642 | 1 | Oil Drain Plug |
| 75 | 35319 | 1 | Oil Seal |
| 80 | 37587 | 1 | Governor Shaft |
| 81 | 651080 | 1 | Washer |
| 82 | 37588 | 1 | Governor Gear ASM (Incl. Ref. #81) |

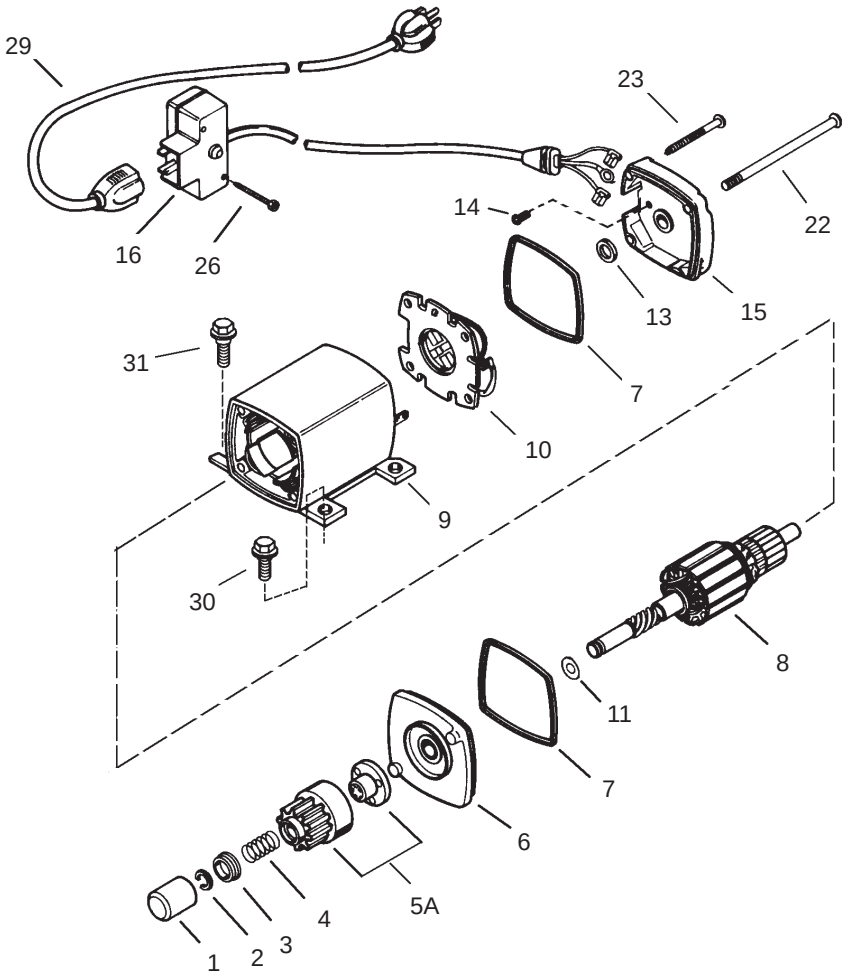
| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 83 | 30588A | 1 | Governor Spool |
| 84 | 29193 | 1 | Retaining Ring |
| 86 | 650833 | 7 | Screw |
| 87 | 650832 | 1 | Screw |
| 89 | 32589 | 1 | Flywheel Key |
| 90 | 611093 | 1 | Flywheel (W/Ring Gear) |
| 92 | 650880 | 1 | Lock Washer |
| 93 | 650881 | 1 | Flywheel Nut |
| 100 | 35135A | 1 | Solid State Ignition (Incl. Ref. #101) |
| 101 | 610118 | 1 | Spark Plug Cover |
| 102 | 651024 | 2 | Solid State Mounting Stud |
| 103 | 651007 | 2 | Screw—Torx |
| 110 | 35187 | 1 | Ground Wire |
| 110A | 37047 | 1 | Ground Wire |
| 119 | 37256 | 1 | Cylinder Head Gasket |
| 120 | 37516 | 1 | Cylinder Head (Incl. Ref. #151A & 270A) |
| 125 | 36934 | 1 | Exhaust Valve (Std.) |
| 125 | 36936 | 1 | Exhaust Valve (1/32) |
| 126 | 36935 | 1 | Intake Valve (Std.) |
| 127 | 650691 | 6 | Washer |
| 128 | 650690 | 6 | Belleville Washer |
| 130 | 650697A | 6 | Screw |
| 135 | 34645 | 1 | Spark Plug (RN4C) |
| 139 | 33369 | 1 | Governor Gear Bracket |
| 140 | 650836 | 1 | Screw |
| 150 | 33507 | 2 | Valve Spring |
| 151 | 33508 | 2 | Valve Spring Keeper |
| 151A | 35862 | 1 | Seal—Valve, Intake |
| 153 | 35949 | 1 | Push Rod Guide |
| 154 | 650945 | 2 | Rocker Arm Stud |
| 155 | 35950 | 2 | Rocker Arm |
| 157 | 650947 | 2 | Jam Nut |
| 158 | 35466 | 2 | Push Rod |
| 159 | 35952 | 1 | Rocker Arm Cover Gasket |
| 160 | 35953A | 1 | Rocker Arm Cover |
| 161 | 30063 | 4 | Screw—Torx |
| 163 | 650890 | 2 | Lock Washer |
| 169 | 27896A | 2 | Valve Cover Gasket |
| 170 | 28423 | 1 | Breather Body |
| 171 | 28424 | 1 | Breather Element |
| 172 | 28425 | 1 | Valve Cover |
| 173 | 35350 | 1 | Breather Tube |
| 174 | 650128 | 2 | Screw |
| 174A | 651056 | 1 | Screw |
| 180 | 37101 | 1 | Blower Housing Extension |
| 181 | 30200 | 2 | Lock Nut |
| 182 | 650517 | 2 | Screw—Torx |
| 183 | 34583A | 1 | Choke Bracket |
| 184 | 33263 | 1 | Carb. To Intake Pipe Gasket |

Obtain Part from Local Tecumseh Dealer.

# Tecumseh Engine Assembly
# Model No. OHSK100–221606D (continued)

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 185 | 37085 | 1 | Intake Pipe |
| 186 | 37261 | 1 | Governor Link |
| 186B | 36653 | 1 | Choke Spring |
| 200 | 35702 | 1 | Control Bracket (Incl. Ref.#203,204 & 206) |
| 203 | 31342 | 1 | CompressionSpring |
| 204 | 651029 | 1 | Screw – Torx |
| 206 | 610973 | 1 | Terminal |
| 207 | 37262 | 1 | Choke Link |
| 209 | 650821 | 2 | Screw |
| 212 | 30773A | 1 | Bushing |
| 212A | 36288 | 1 | Bushing |
| 215 | 35440 | 1 | Control Knob |
| 217 | 37260 | 1 | Bellcrank Lever |
| 219 | 35689 | 1 | Choke Rod |
| 220 | 35438 | 1 | Choke Knob |
| 222 | 28820 | 2 | Screw |
| 223 | 650971 | 2 | Screw – Torx |
| 224 | 33515A | 1 | Intake Pipe Gasket |
| 260 | 37092A | 1 | Blower Housing |
| 262 | 29747B | 2 | Screw – Torx |
| 264A | 650738 | 1 | Screw |
| 265 | 37086 | 1 | Cylinder Head Cover |
| 266 | 650876 | 2 | Screw |
| 269 | 35762 | 2 | Exhaust Gasket |
| 270 | 37263 | 1 | Manifold |
| 270A | 35829A | 1 | Exhaust Port Liner |
| 271 | 35293 | 1 | Locking Plate (Manifold) |
| 275 | 37264 | 1 | Muffler |
| 276 | 35348 | 1 | Locking Plate |
| 277 | 650877 | 2 | Screw |
| 279 | 651011 | 4 | Screw |
| 280 | 37265 | 1 | Heat Shield |
| 285 | 35985B | 1 | Starter Cup |
| 287 | 29752 | 4 | Nut & Lock Washer |
| 290 | 30962 | 1 | Fuel Line |
| 291 | 29774 | 1 | Fuel Line |
| 292 | 26460 | 4 | Fuel Line Clamp |
| 295 | 35857 | 1 | Fuel Shut–Off Valve (Incl. Ref. #292) |
| 298 | 650665 | 2 | Screw |
| 300 | 37099 | 1 | Fuel Tank (Incl. Ref.#292 & 301) |
| 301 | 36246 | 1 | Fuel Cap |
| 302 | 37098 | 1 | Fuel Tank Extension |
| 302A | 650821 | 3 | Screw |
| 305 | 35574 | 1 | Oil Fill Tube |
| 307 | 35499 | 1 | O–Ring |
| 308 | 35539 | 1 | Fill Tube Clip |
| 310 | 35700 | 1 | Dipstick |
| 314 | 650873 | 1 | Screw |
| 315 | 611111 | 1 | Alternator Coil (18 Watt) (Incl. Ref.# 322 & 323) |
| 322 | 611117 | 1 | Connector Body |
| 323 | 611118 | 1 | Terminal |
| 328 | 35062 | 2 | Ignition Keys |
| 329 | 610973 | 1 | Terminal |
| 335 | 37096 | 1 | Carburetor Cover |
| 335A | 37087 | 1 | Carburetor Cover |
| 338 | 650821 | 4 | Screw |
| 341 | 37093 | 1 | Fuel Tank Bracket |
| 342 | 792028 | 2 | Screw |
| 343 | 35079A | 1 | Key Switch Bracket (Incl. Ref. #343A) |
| 343A | 651060 | 1 | Screw |
| 345 | 37097 | 1 | Heat Baffle |
| 345A | 650821 | 1 | Screw |
| 350 | 570682A | 1 | Primer Assembly |
| 351 | 32180C | 1 | Primer Line |
| 355 | 590574 | 1 | Starter Handle |
| 361 | 650990 | 2 | Screw–Torx |
| 369 | 651032 | 2 | Screw |
| 370C | 36501 | 1 | Primer Decal |
| 370H | 37226 | 1 | Choke Decal |
| 370I | 37119 | 1 | Warning Decal |
| 370K | 36695 | 1 | Starter Decal |
| 380 | 640169 | 1 | Carburetor (Incl. Ref.# 184) |
| 390 | 590749 | 1 | Rewind Starter (Note: This engine could have been built with 590733 Starter) |
| 396 | 33329E | 1 | Electric Starter Motor (110 Volt) |
| 400 | 37257A | 1 | Gasket Set |
| 420 | 730226A | 1 | SAE 5W30 4–Cycle Engine Oil (Quart) |
| | 756339B | 1 | Short Block |

Obtain Parts from Local Tecumseh Dealer.



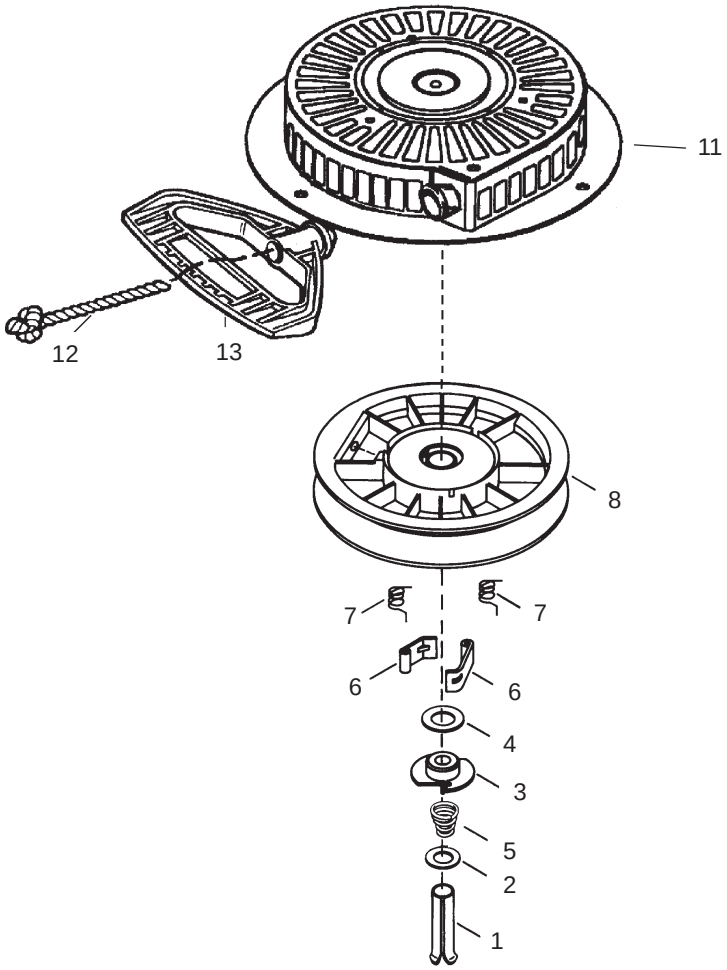

Sheet No.:

# Electric Starter (110 Volt) Part No. 33329E

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 33451 | 1 | Dust Cover |
| 2 | 33842 | 1 | Retaining Ring |
| 3 | 33430 | 1 | Spring Retainer |
| 4 | 33431 | 1 | Anti–drift Spring |
| 5A | 37050 | 1 | Gear & Nut (Incl. Ref.# 2) |
| 6 | 35449 | 1 | Drive End Cap ASM (Incl. Ref.#7) |
| 7 | 35450 | 2 | O–Ring |
| 8 | 35915 | 1 | Armature |
| 9 | 35451B | 1 | Housing ASM |
| 10 | 35452A | 1 | Brush Card ASM |
| 11 | 35911 | 1 | Thrust Washer |
| 13 | 590500 | 1 | Thrust Washer |
| 14 | 33441 | 1 | Ground Screw |
| 15 | 35453 | 1 | Commutator End Cap ASM (Incl. Ref.# 7) |
| 16 | 35454 | 1 | Switch Box ASM |
| 22 | 35455 | 2 | Case Bolt |
| 23 | 35456 | 1 | Ground Screw |
| 26 | 650819 | 2 | Screw |
| 26 | 651032 | 2 | Screw |
| 29 | 32450B | 1 | Extension Cord |
| 30 | 30063 | 2 | Screw–Torx |
| 31 | 650820 | 2 | Screw |

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

Obtain Parts from Local Tecumseh Dealer.



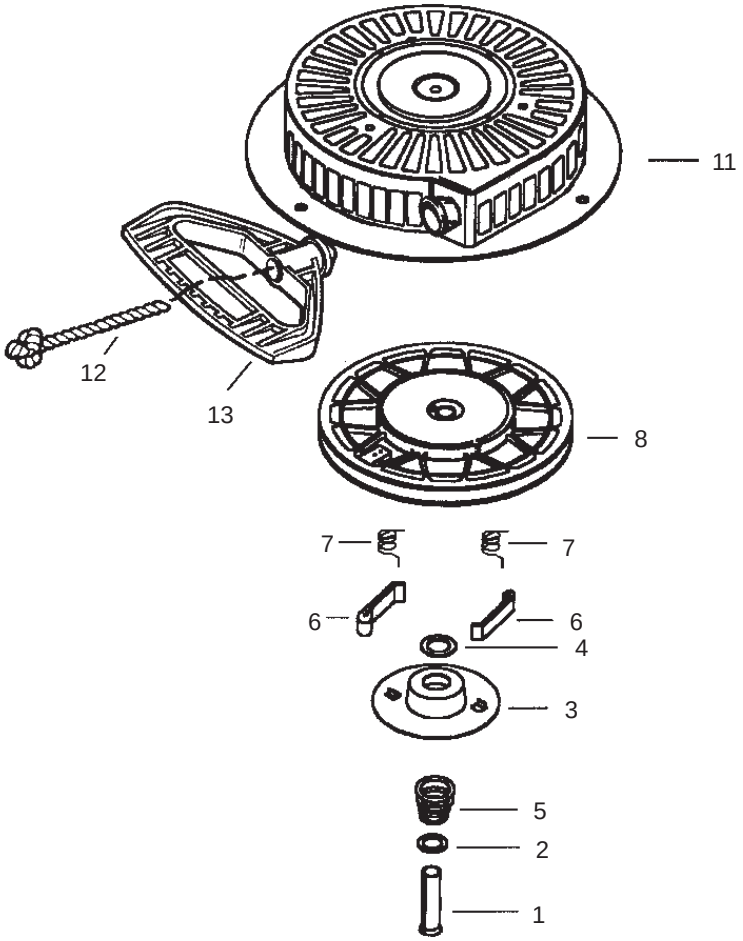

Sheet No.:

# Recoil Starter Part No. 590749

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 590599A | 1 | Spring Pin (Incl. Ref.# 4) |
| 2 | 590600 | 1 | Washer |
| 3 | 590679 | 1 | Retainer |
| 4 | 590601 | 1 | Washer |
| 5 | 590678 | 1 | Brake Spring |
| 6 | 590680 | 2 | Starter Dog |
| 7 | 590412 | 2 | Dog Spring |
| 8 | 590682 | 1 | Pulley & Rewind Spring ASM |
| 11 | 590750A | 1 | Starter Housing ASM |
| 12 | 590535 | 1 | Starter Rope |
| 13 | 590574 | 1 | Mitten Grip Handle |

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

Obtain Part from Local Tecumseh Dealer.




Sheet No.:

# Rewind Starter Part No. 590733

| Ref. No. | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 590599A | 1 | Spring Pin (Incl. Ref.# 4) |
| 2 | 590600 | 1 | Washer |
| 3 | 590696 | 1 | Retainer |
| 4 | 590601 | 1 | Washer |
| 5 | 590697 | 1 | Brake Spring |
| 6 | 590698 | 2 | Starter Dog |
| 7 | 590699 | 2 | Dog Spring |
| 8 | 590709 | 1 | Pulley & Rewind Spring ASM |
| 11 | 590734A | 1 | Starter Housing ASM |
| 12 | 590535 | 1 | Starter Rope |
| 13 | 590574 | 1 | Mitten Grip Handle |

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

Obtain Part from Local Tecumseh Dealer.

# Maintenance Record

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