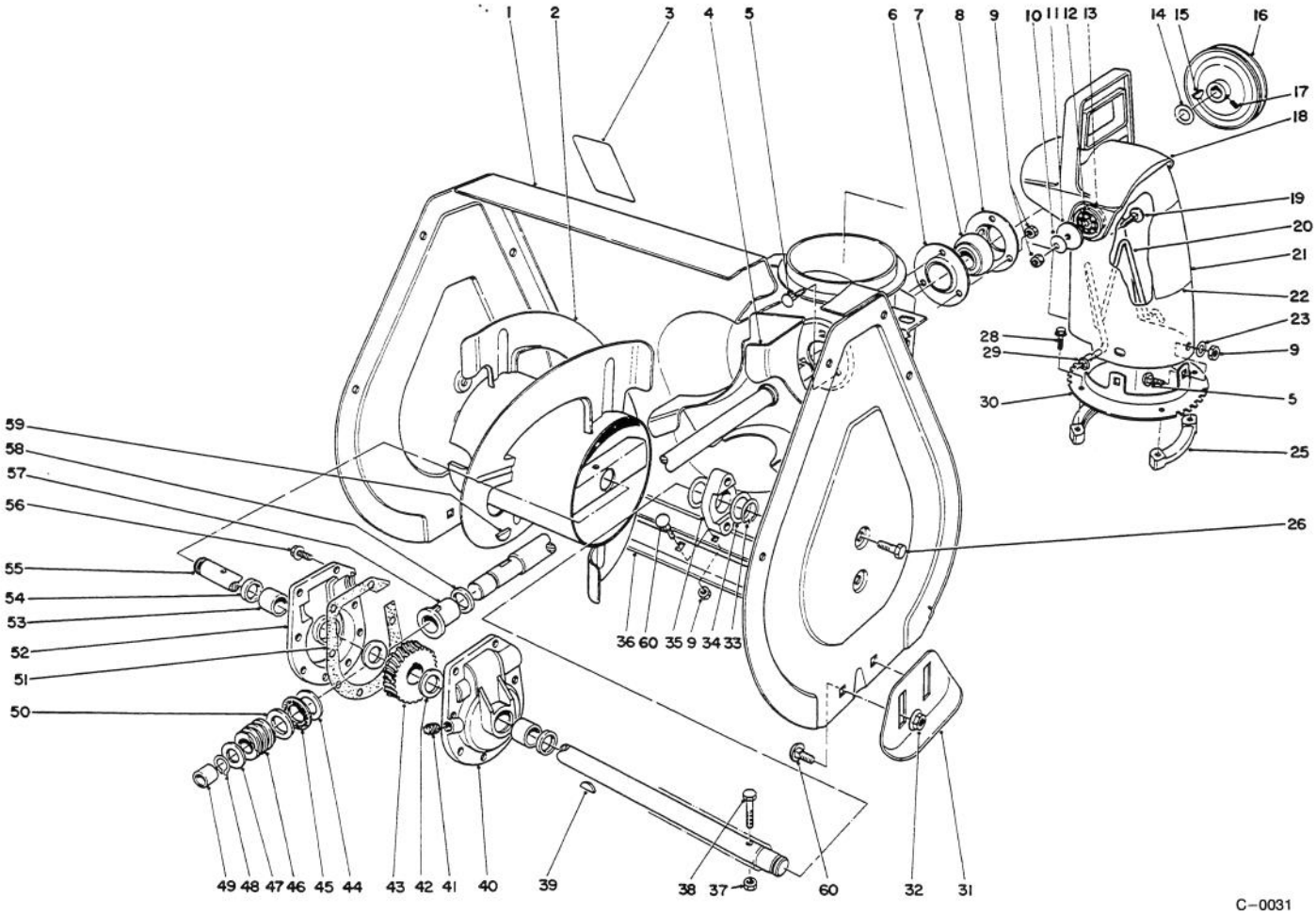
FORM NO. 3317–287

TORO®

MODEL NO. 38052–5900001 & UP
MODEL NO. 38054–5900001 & UP

PARTS CATALOG

# 521 SNOWTHROWER




C–0031

## AUGER ASSEMBLY

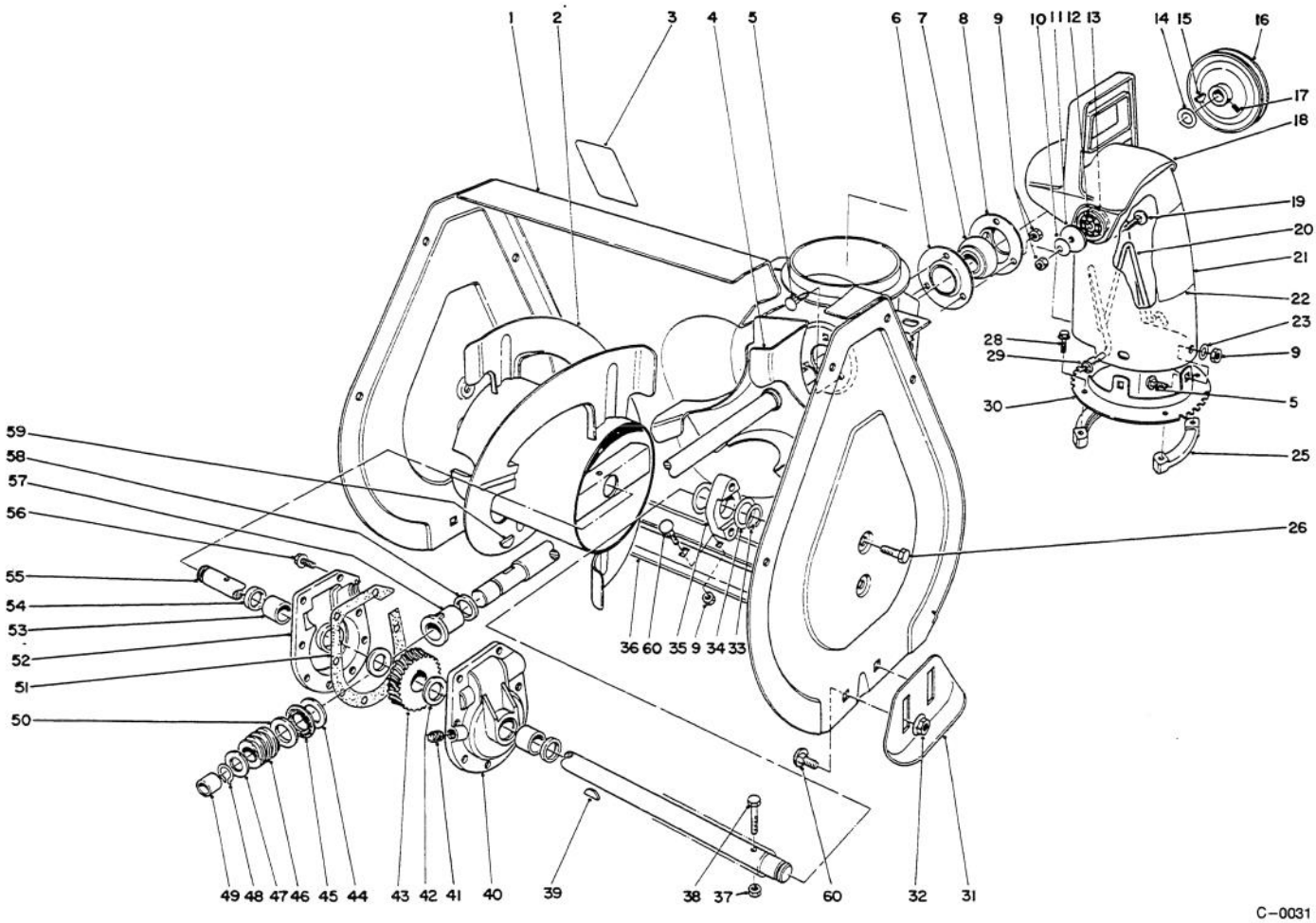
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 11–5269 | Housing–Auger (Incl. Ref. #3) | 1 |
| 2 | 39–1180 | Auger – R.H. | 1 |
| * | 39–1190 | Auger – L.H. | 1 |
| 3 | 53–7670 | Decal – Auger Warning | 1 |
| 4 | 37–6990 | Shaft & Impeller | 1 |
| 5 | 3230–18 | Bolt – Carriage | 6 |
| 6 | | Flange – Bearing Front | 1 |
| 7 | 63–3450 | Bearing – Ball | 1 |
| 8 | | Flange – Bearing Rear | 1 |
| 9 | 3296–29 | Nut – Lock | 13 |
| 10 | 3290–340 | Washer – Belleville | 2 |
| 11 | 3256–68 | Washer – Flat | 2 |
| 12 | 55–8950 | Plate – Friction | 2 |
| 13 | 20–4320 | Washer – Rubber | 2 |
| 14 | 3–0737 | Washer | 1 |
| 15 | 3257–23 | Key | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 16 | 37–6890 | Pulley | 1 |
| 17 | 3242–4 | Screw – Set | 2 |
| 18 | 56–2680 | Deflector | 1 |
| 19 | 3230–22 | Bolt – Carriage | 2 |
| 20 | 56–2670 | Chute – Wire | 1 |
| 21 | 13–7979 | Chute – Discharge (Incl. Ref.# 22) Model 38052 | 1 |
| * | 12–8749 | Chute – Discharge (Incl. Ref.# 22) Model 38054 | 1 |
| 22 | 63–3740 | Decal – Discharge Model 38052 | 1 |
| * | 63–3760 | Decal – Discharge Model 38054 | 1 |
| 23 | 3256–23 | Washer | 3 |
| 25 | 37–6490 | Retainer – Chute Ring | 3 |
| 26 | 32144–70 | Screw – Self Tapping | 4 |

*Not Illustrated

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TPS

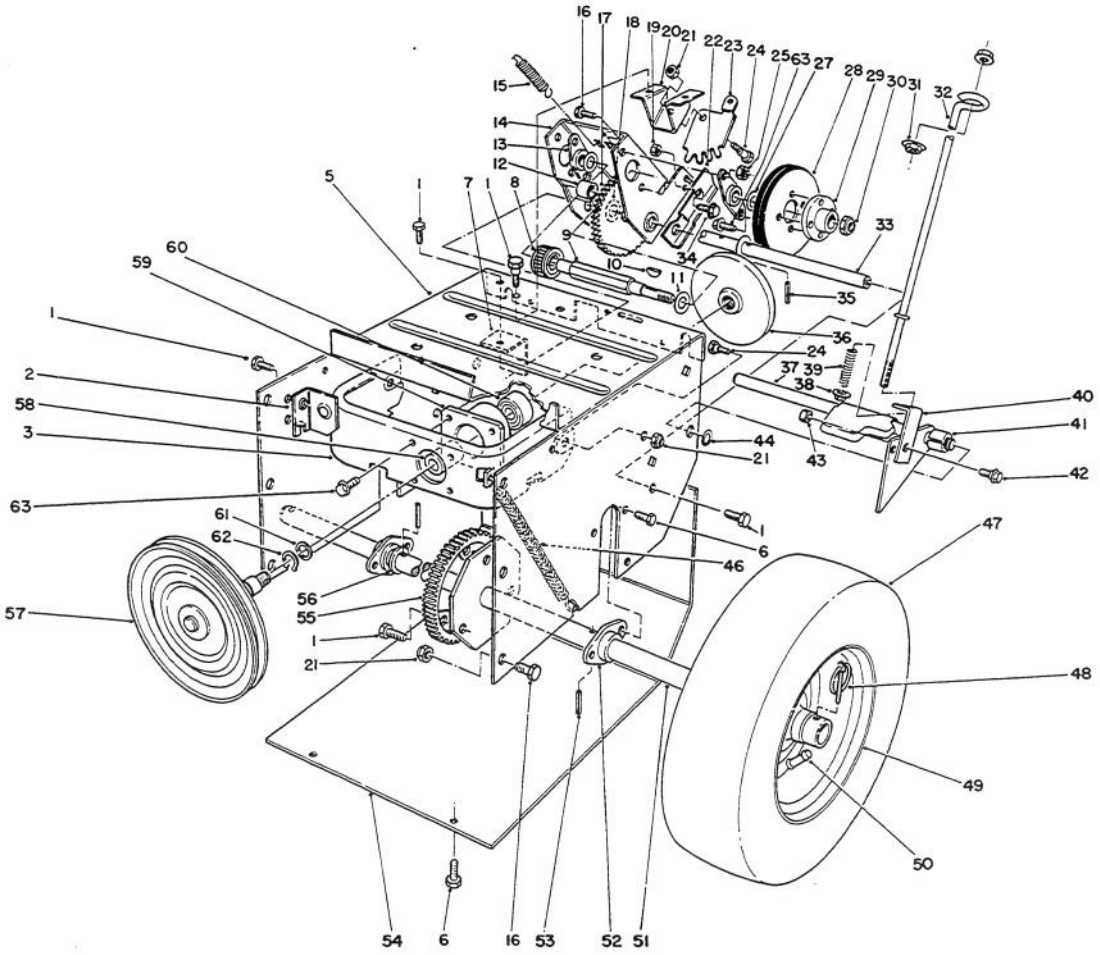



# AUGER ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 28 | 27–0220 | Screw – Self Tapping | 6 |
| 29 | 3290–326 | Pushnut | 1 |
| 30 | 37–8941 | Ring – Chute | 1 |
| 31 | 40–8160 | Skid | 2 |
| 32 | 32128–20 | Nut – Flange | 4 |
| 33 | 32151–36 | Ring – Retaining | 2 |
| 34 | 5–1550 | Washer – Thrust | 4 |
| 35 | 37–6550 | Bearing – Auger | 2 |
| 36 | 39–1551 | Blade – Scraper | 1 |
| 37 | 3296–42 | Nut – Lock | 2 |
| 38 | 321–10 | Screw – Cap | 2 |
| 39 | 3257–33 | Key – Woodruff | 1 |
| 40 | 14–2459 | Gear Case L.H. (Incl. Ref. #53 & 54) | 1 |
| 41 | 281–1 | Pipe – Plug | 1 |
| 42 | 252–71 | Bearing – Thrust | 2 |
| 43 | 5–7180 | Gear | 1 |
| 44 | 257–3 | Washer – Thrust | 1 |
| 45 | 252–76 | Bearing – Needle, Thrust | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 46 | 5–7170 | Gear – Worm | 1 |
| 47 | 3–8664 | Washer | 1 |
| 48 | 32120–72 | Ring – Retaining | 1 |
| 49 | 256–32 | Bushing | 1 |
| 50 | 252–80 | Washer – Thrust | 1 |
| 51 | 51–0460 | Gasket | 1 |
| 52 | 14–2449 | Gear Case R.H. (Incl. Ref. #53 & 54) | 1 |
| 53 | 256–237 | Bushing | 2 |
| 54 | 7–0045 | Seal – Oil | 2 |
| 55 | 37–6800 | Shaft – Auger | 1 |
| 56 | 32144–41 | Screw – Self Tapping | 8 |
| 57 | 37–6560 | Bushing – Input | 1 |
| 58 | 237–87 | Seal | 1 |
| 59 | 3257–23 | Key – Woodruff | 1 |
| 60 | 3230–1 | Bolt – Carriage | 9 |
| * | 37–6960 | Gear Case Assembly | 1 |
| * | 12–8789 | Bearing Assembly (Incl. Ref. #6–8) | 1 |

*Not Illustrated

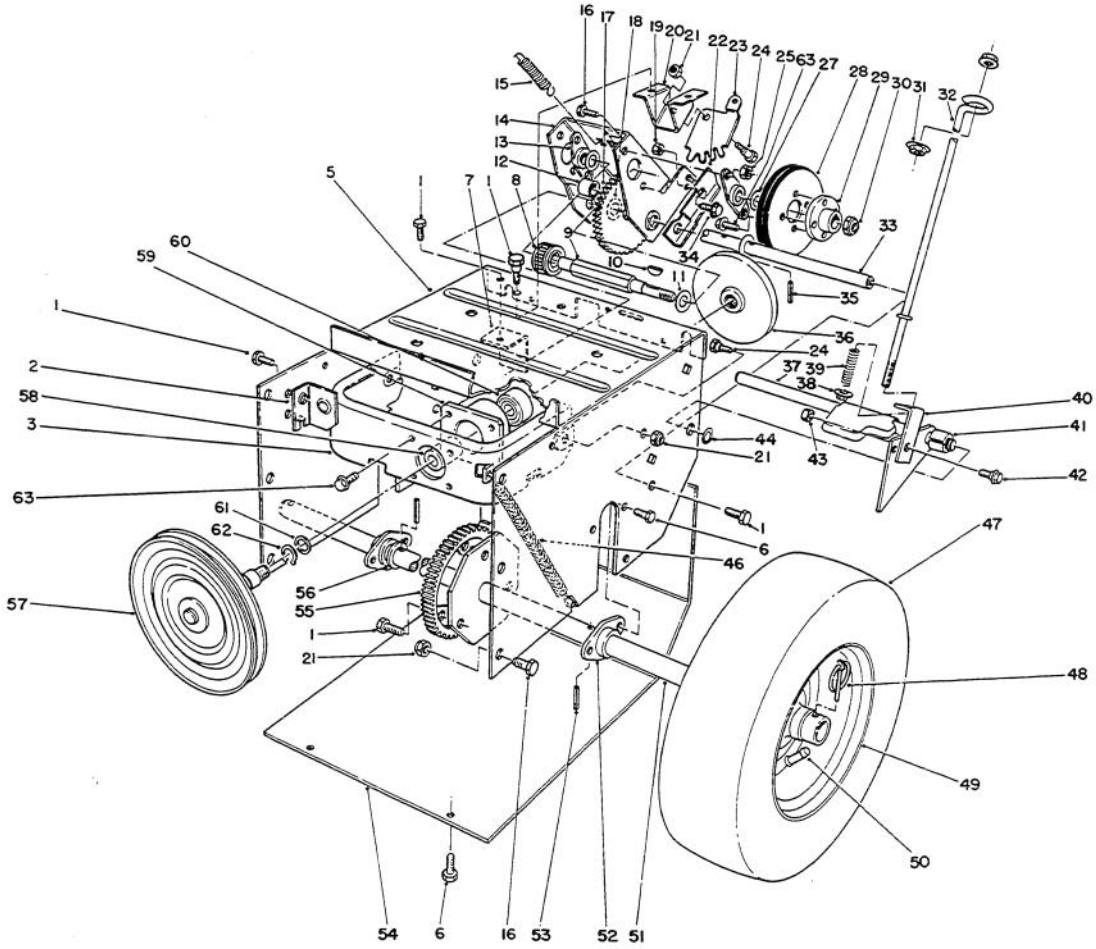



C–1277

# TRACTION ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 32144–70 | Screw – Self Tap. Hex. Hd. | 9 |
| 2 | 66–6790 | Mount – Clutch Rod Front | 1 |
| 3 | 88–0550 | Frame – Friction Plate | 1 |
| 5 | 37–8900 | Frame – Traction | 1 |
| 6 | 32144–4 | Screw – Self Tap. Hex. Hd. | 8 |
| 7 | 37–9070 | Mount – Clutch Rod Rear | 1 |
| 8 | 37–6500 | Gear – Sliding | 1 |
| 9 | 37–6780 | Shaft – Hex | 1 |
| 10 | 3257–24 | Key | 1 |
| 11 | 5–7570 | Washer – Thrust | 2 |
| 12 | 256–86 | Bushing | 1 |
| 13 | 20–1620 | Bearing – Friction Wheel | 2 |
| 14 | 39–1230 | Bracket – Sliding | 1 |
| 15 | 37–8880 | Spring – Traction Engage | 1 |
| 16 | 322–2 | Screw – Hex. Hd. Cap | 10 |
| 17 | 37–9160 | Intermediate Gear & Bushing (Incl. Ref. #12) | 1 |
| 18 | 10–9280 | Washer – Thrust | 2 |
| 19 | 3296–16 | Nut – Lock | 1 |
| 20 | 37–8790 | Mount – Quadrant Gear | 1 |
| 21 | 3296–29 | Nut – Lock | 9 |
| 22 | 39–1250 | Cam – Receiver | 1 |
| 23 | 37–8800 | Quadrant – Gear | 1 |

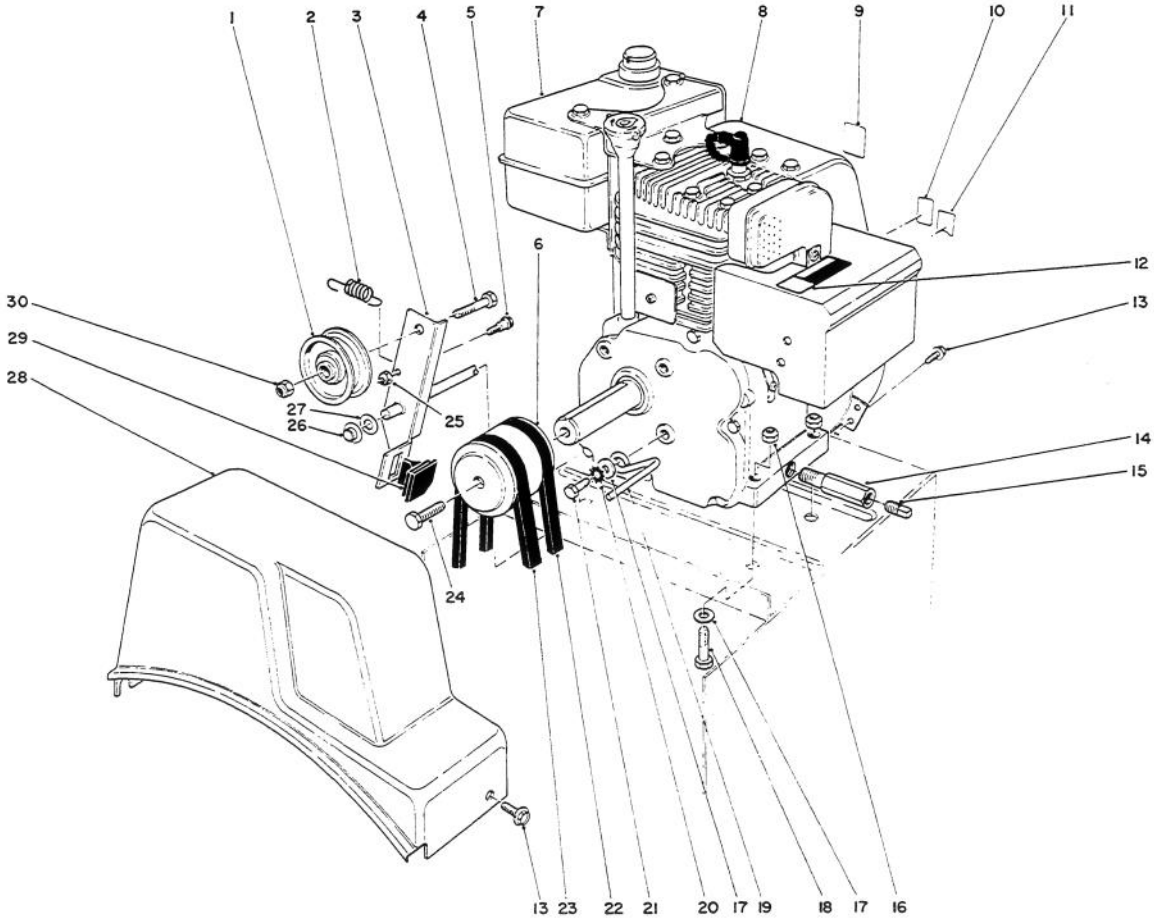
| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 24 | 37–8770 | Bolt – Shoulder | 3 |
| 25 | 3296–29 | Nut – Lock | 4 |
| 27 | 36–4790 | Washer – Thrust | 2 |
| 28 | 37–6570 | Wheel – Friction | 1 |
| 29 | 39–1520 | Hub – Friction Wheel Mount | 1 |
| 30 | 3296–48 | Nut – Lock | 1 |
| 31 | 32128–33 | Nut – Flange | 2 |
| 32 | 39–3060 | Rod – Lower Traction | 1 |
| 33 | 37–6760 | Shaft – Pivot | 1 |
| 34 | 321–4 | Screw – Hex. Hd. | 1 |
| 35 | 32121–45 | Pin – Roll | 2 |
| 36 | 38–0800 | Plate – Friction | 1 |
| 37 | 43–7310 | Traction Engagement Assy. | 1 |
| 38 | 32128–32 | Nut – Flange | 1 |
| 39 | 38–4520 | Spring – Compression | 1 |
| 40 | 38–4490 | Bracket – Traction | 1 |
| 41 | 40–9680 | Spacer | 1 |
| 42 | 40–8350 | Screw – Shoulder | 1 |
| 43 | 3296–42 | Nut – Lock | 1 |
| 44 | 32151–61 | Ring – Retaining | 1 |
| 46 | 37–8870 | Spring – Friction Plate Frame | 1 |
| 47 | 231–120 | Tire | 2 |
| 48 | 3290–243 | Pin – Klik | 2 |




# TRACTION ASSEMBLY (Continued)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 49 | 241–131 | Rim | 2 |
| 50 | 232–46 | Tube | 2 |
| 51 | 74–1350 | Shaft – Axle | 1 |
| 52 | 37–6850 | Bearing – Axle | 2 |
| 53 | 32121–31 | Pin – Roll | 2 |
| 54 | 37–6830 | Cover – Bottom | 1 |
| 55 | 37–6520 | Gear – Axle | 1 |
| 56 | 3–8664 | Washer – Thrust | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 57 | 88–0850 | Pulley & Shaft | 1 |
| 58 | 256–322 | Bushing | 1 |
| 59 | 88–0560 | Hub – Frame | 1 |
| 60 | 38–7820 | Bearing | 1 |
| 61 | 252–80 | Washer – Thrust | 1 |
| 62 | 32151–103 | Ring – Snap | 1 |
| 63 | 12–3270 | Screw – Tapping | 8 |




C–0038

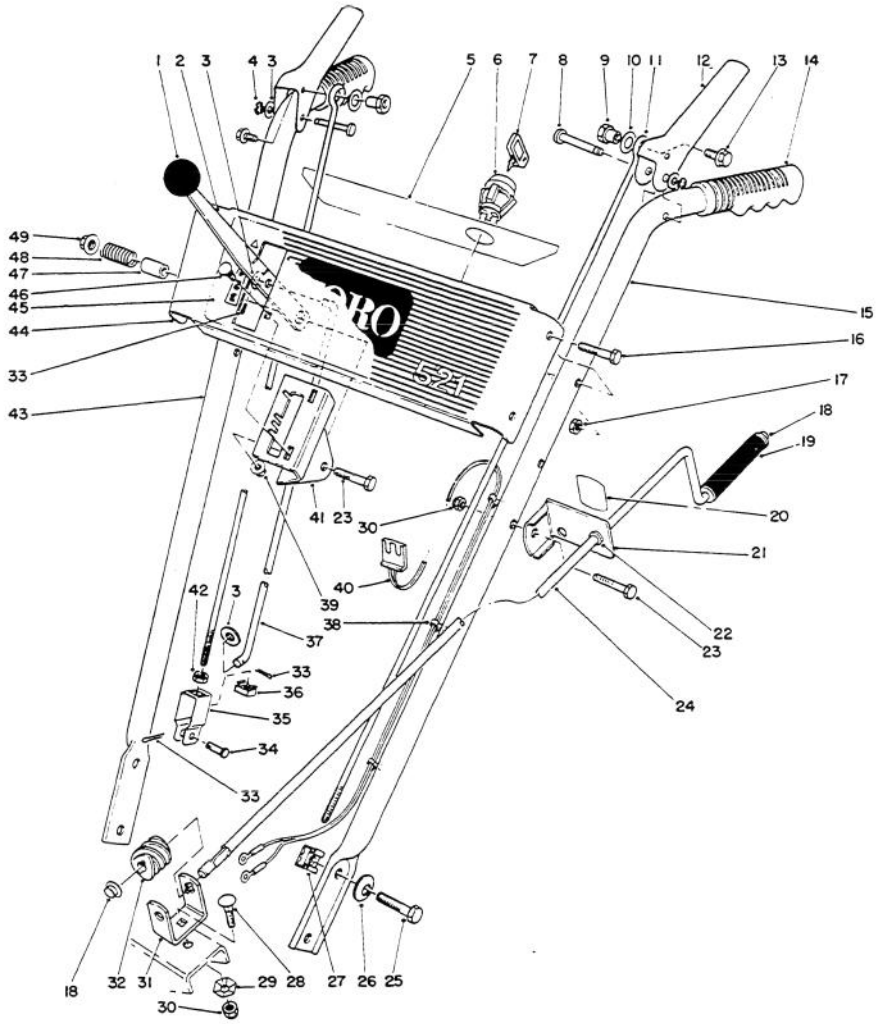
# ENGINE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 3–4244 | Idler Pulley | 1 |
| 2 | 53–7570 | Spring – Auger Disengage | 1 |
| 3 | 14–7959 | Auger Clutch (Incl. Ref. #29) | 1 |
| 4 | 323–29 | Screw – Cap | 1 |
| 5 | 42–3560 | Bolt – Shoulder | 1 |
| 6 | 43–7370 | Engine Pulley | 1 |
| 8 | | Engine | 1 |
| 9 | 62–5760 | Decal – Primer | 1 |
| 10 | 63–2450 | Decal – Throttle | 1 |
| 11 | 39–3850 | Decal – Choke (Model 38052) | 1 |
| * | 63–2410 | Decal – Choke (Model 38054) | 1 |
| 12 | 66–6840 | Decal – Hot Surface Warning (Model 38052) | 1 |
| * | 63–2310 | Decal – Hot Surface Warning (Model 38054) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 13 | 32144–4 | Screw – Self Tapping | 3 |
| 14 | 49–3040 | Tube – Drain | 1 |
| 15 | 281–7 | Plug – Pipe | 1 |
| 16 | 3296–29 | Nut – Lock | 4 |
| 17 | 3256–23 | Washer – Flat | 5 |
| 18 | 322–7 | Screw – Cap | 4 |
| 19 | 37–8990 | Retainer – Belt | 1 |
| 20 | 3255–8 | Washer –Lock Ext. Tooth | 1 |
| 21 | 3210–3 | Screw – Cap | 1 |
| 22 | 37–9090 | V–Belt – Traction | 1 |
| 23 | 37–9080 | V–Belt – Auger | 1 |
| 24 | 43–7290 | Screw – Special | 1 |
| 25 | 3296–56 | Nut – Lock | 1 |
| 26 | 3290–320 | Nut – Push On | 1 |
| 27 | 3256–24 | Washer – Flat | 1 |
| 28 | 37–6900 | Cover – Belt | 1 |
| 29 | 66–8060 | Molded Brake Assembly | 1 |
| 30 | 3296–59 | Nut – Lock | 1 |

*Not Illustrated

3317–287



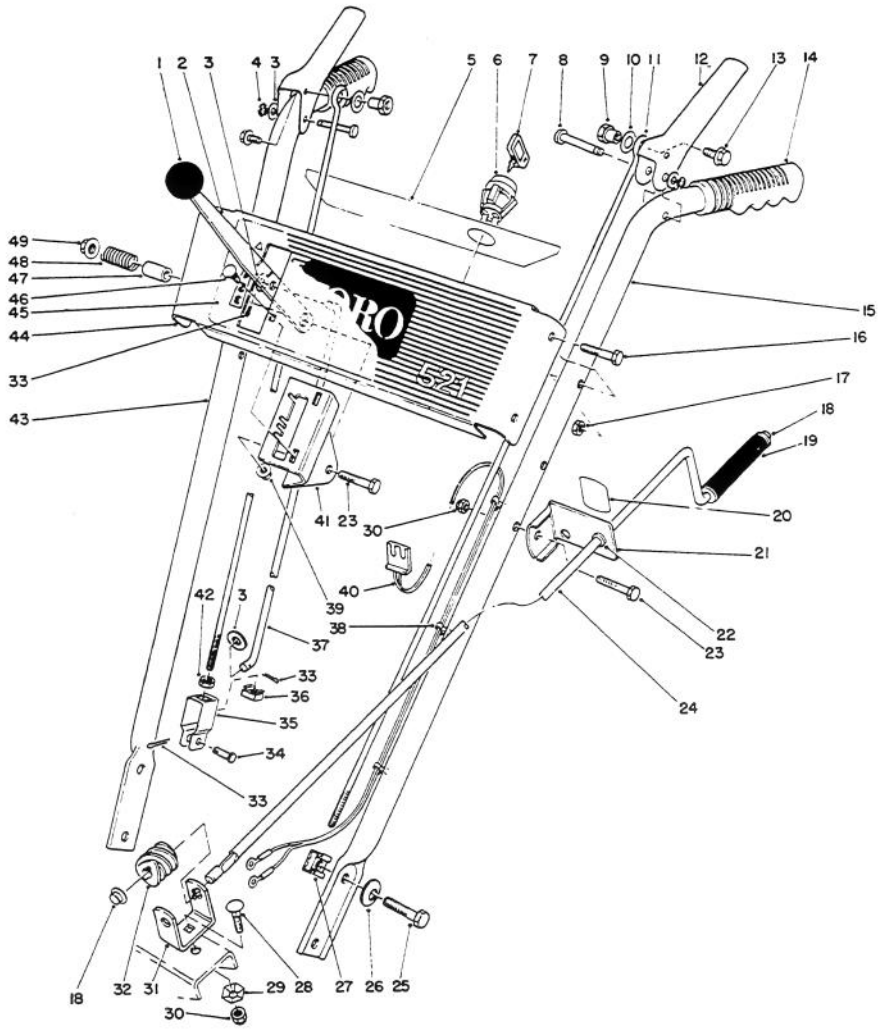
C–0039

# HANDLE ASSEMBLY

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 233–21 | Knob | 1 |
| 2 | 37–8820 | Selector – Speed | 1 |
| 3 | 3256–23 | Washer | 4 |
| 4 | 32151–73 | Ring – Clip | 2 |
| 5 | 66–6830 | Decal – Escutcheon Back (Model 38052) | 1 |
| * | 66–6880 | Decal – Escutcheon Back (Model 38054) | 1 |
| 6 | 40–5940 | Switch – On/Off | 1 |
| 7 | 63–8360 | Key – Ignition | 1 |
| 8 | 52–5600 | Pin – Control Lever | 2 |
| 9 | 47–4990 | Post – Linkage Mounting | 2 |
| 10 | 3256–24 | Washer | 2 |
| 11 | 52–5590 | Link – Upper | 2 |
| 12 | 63–3640 | Handle – Control | 2 |
| 13 | 3234–13 | Screw – Hex. Flange Hd. | 2 |
| 14 | 74–1360 | Grip – Handle | 2 |
| 15 | 52–5571 | Handle – Left (Model 38052) | 1 |
| * | 52–5570 | Handle – Left (Model 38054) | 1 |
| 16 | 321–9 | Screw – Hex. Head | 4 |
| 17 | 3296–42 | Nut – Lock | 4 |
| 18 | 3290–320 | Nut – Push | 2 |
| 19 | 40–8230 | Grip – Rod | 1 |
| 20 | 63–3510 | Decal – Chute Direction | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 21 | 12–7739 | Bracket – Chute Control (Incl. Ref.# 20 & 22) | 1 |
| 22 | 256–249 | Nyliner | 1 |
| 23 | 322–7 | Screw – Hex. Hd. | 2 |
| 24 | 40–8270 | Rod – Chute Control | 1 |
| 25 | 322–2 | Screw – Hex. Hd. Cap | 4 |
| 26 | 3290–456 | Washer – Belleville | 4 |
| 27 | 3290–196 | Retainer – Nut | 4 |
| 28 | 3230–22 | Bolt – Carriage | 1 |
| 29 | 3290–238 | Washer – Pyramidal | 1 |
| 30 | 3296–29 | Nut – Lock | 2 |
| 31 | 40–8280 | Bracket – Chute Worm | 1 |
| 32 | 40–8250 | Gear – Worm | 1 |
| 33 | 3272–4 | Pin – Cotter | 3 |
| 34 | 283–3 | Pin – Clevis | 1 |
| 35 | 39–3080 | Clevis | 1 |
| 36 | 32115–5 | Retainer – Nut | 1 |
| 37 | 39–7570 | Rod – Speed Selector | 1 |
| 38 | 17–9120 | Mount – Wire | 3 |
| 39 | 32128–33 | Nut – Flange Lock | 2 |
| 40 | 43–7390 | Wire Harness Assembly (Incl. Ref.# 38) | 1 |
| 41 | 39–1280 | Mount – Speed Selector | 1 |
| 42 | 3218–1 | Nut – Jam | 1 |

*Not Illustrated




C–0039

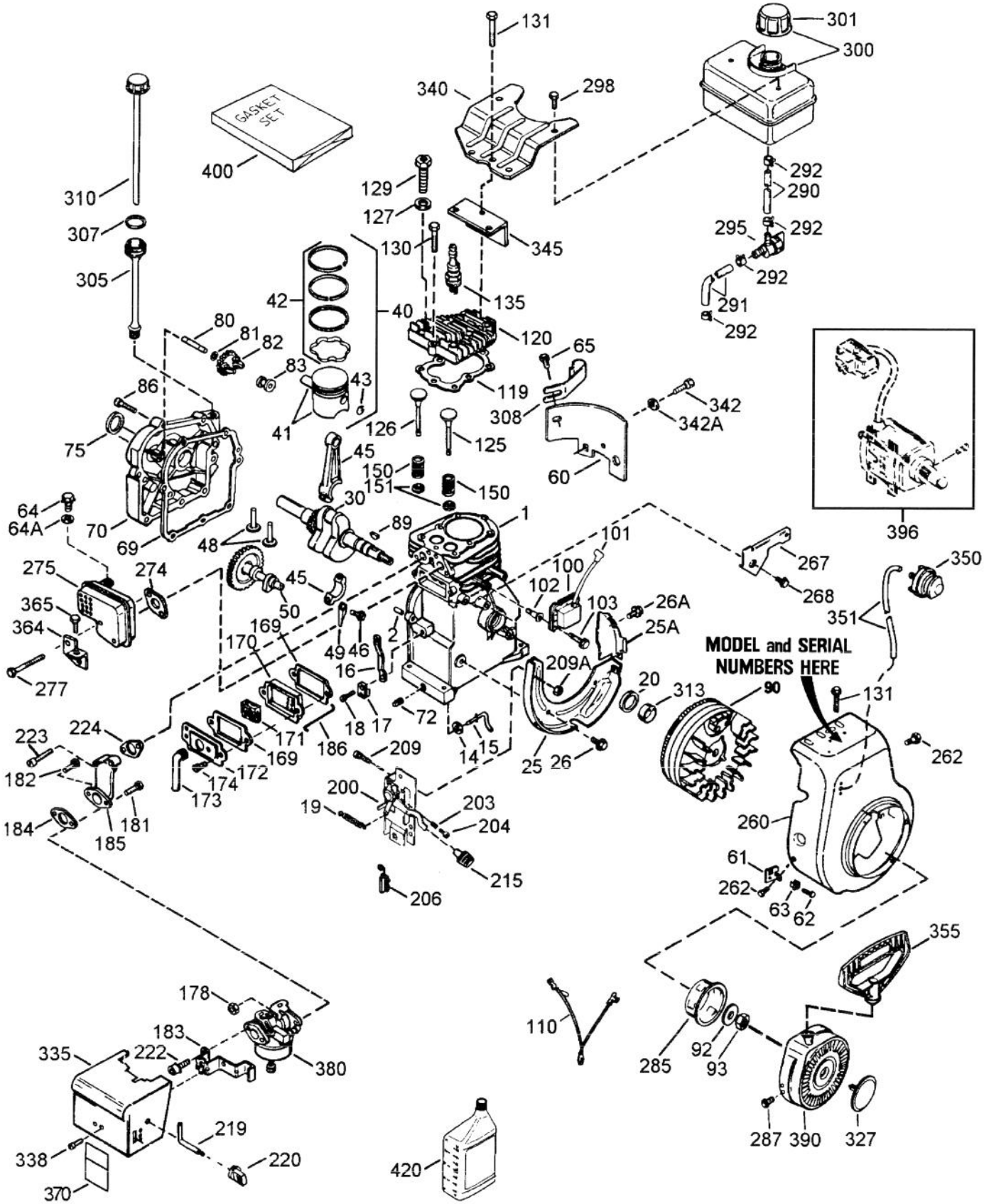
# HANDLE ASSEMBLY (Cont.)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 43 | 52–5561 | Handle – Right (Model 38052) | 1 |
| * | 52–5560 | Handle – Right (Model 38054) | 1 |
| 44 | 43–7360 | Panel – Escutcheon | 1 |
| 45 | 66–6560 | Decal – 521 | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 46 | 3229–11 | Bolt – Carriage | 2 |
| 47 | 40–8130 | Spacer – Speed Selector | 1 |
| 48 | 37–9150 | Spring | 1 |
| 49 | 32128–13 | Nut – Flange Lock | 1 |
| * | 3290–378 | Cable Tie | 2 |

*Not Illustrated

# ENGINE TECUMSEH MODEL HSSK50–67259N

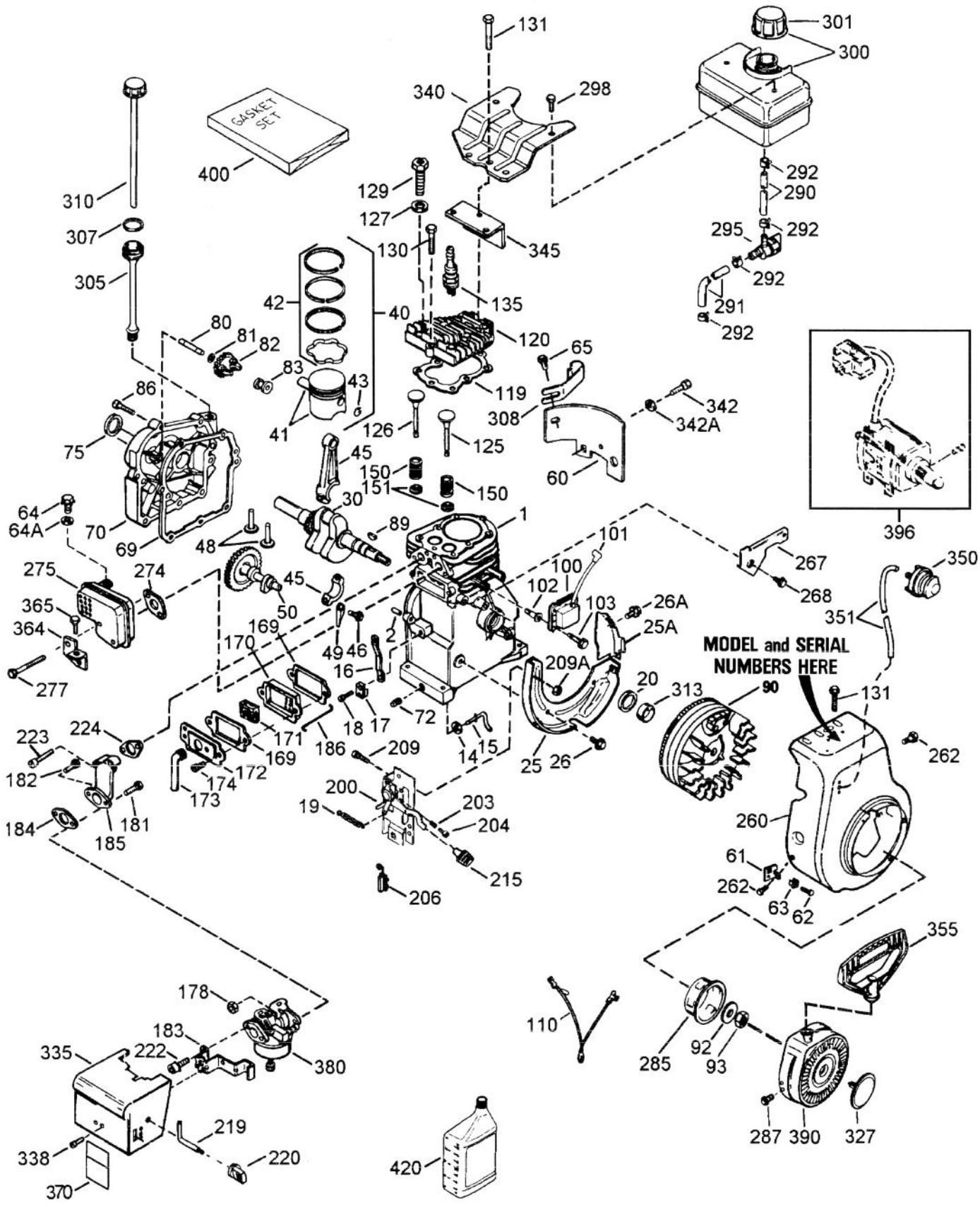


# ENGINE TECUMSEH MODEL HSSK50–67259N

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 36469 | Cylinder Assembly (Incl. Ref. #2, 20 & 72) | 1 |
| 2 | 26727 | Pin – Dowel | 2 |
| 14 | 28277 | Washer – Flat | 1 |
| 15 | 31334 | Rod – Governor | 1 |
| 16 | 31510 | Lever – Governor | 1 |
| 17 | 31335 | Clamp – Governor Lever | 1 |
| 18 | 650548 | Screw – Hex Washer Hd. | 1 |
| 19 | 31426 | Spring – Extension | 1 |
| 20 | 32600 | Seal – Oil | 1 |
| 25 | 33342 | Baffle – Blower Housing | 1 |
| 25A | 35883 | Extension – Baffle | 1 |
| 26 | 650802 | Screw – Hex Washer Hd. | 2 |
| 26A | 650926 | Screw | 1 |
| 30 | 34740 | Crankshaft Assembly | 1 |
| 40 | 36073 | Piston – Pin & Ring Assy. Standard | 1 |
| | 36074 | Piston – Pin & Ring Assy .010" oversize | 1 |
| | 36075 | Piston – Pin & Ring Assy .020" oversize | 1 |
| 41 | 36070 | Piston & Pin Assy. Standard (Incl. Ref. #43) | 1 |
| | 36071 | Piston & Pin Assembly .010" oversize (Incl. Ref. #43) | 1 |
| | 36072 | Piston & Pin Assembly .020" oversize (Incl. Ref. #43) | 1 |
| 42 | 36076 | Ring Set – Piston Std. | 1 |
| | 36077 | Ring Set – Piston .010" oversize | 1 |
| | 36078 | Ring Set – Piston .020" oversize | 1 |
| 43 | 20381 | Ring – Piston Pin Retaining | 2 |
| 45 | 32875 | Connecting Rod Assembly (Incl. Ref. #46 & 49) | 1 |
| 46 | 32610A | Bolt – Connecting Rod | 2 |
| 48 | 27241 | Lifter – Valve | 2 |
| 49 | 32654 | Dipper – Oil | 1 |
| 50 | 33158 | Camshaft | 1 |
| 60 | 29745 | Extension – Blower | 1 |
| 61 | 34126 | Bracket – Grommet Mtg. | 1 |
| 62 | 650760 | Screw – Pan Hd. | 1 |
| 63 | 28545 | Grommet – Plastic | 1 |
| 64 | 30063 | Screw – Hex Washer Hd. | 1 |
| 64A | 8345 | Washer – Flat | 1 |
| 65 | 650128 | Screw – Hex Hd. | 1 |
| 69 | *27677A | Gasket – Cylinder Cover | 1 |
| 70 | 34674C | Cover – Cylinder (Incl. Ref. #75 & 80) | 1 |
| 72 | 27642 | Plug – Pipe | 2 |
| 75 | 27897 | Seal – Oil | 1 |
| 80 | 30574A | Shaft – Governor | 1 |
| 81 | 30590A | Washer – Flat | 1 |
| 82 | 30591 | Gear – Governor (Incl. Ref. #81) | 1 |
| 83 | 30588A | Spool – Governor | 1 |
| 86 | 650488 | Screw – Hex Hd. | 7 |
| 89 | 610961 | Key– Flywheel | 1 |
| 90 | 611199 | Flywheel – w/Ring Gear | 1 |
| 92 | 650815 | Washer – Belleville | 1 |
| 93 | 650863 | Nut – Flywheel | 1 |
| 100 | 34443A | Solid State Assembly | 1 |
| 101 | 610118 | Cover – Spark Plug | 1 |
| 102 | 650872 | Stud | 2 |
| 103 | 650814 | Screw – Torx | 2 |
| 110 | 35557 | Wire – Ground | 1 |
| 119 | *36443 | Gasket – Cylinder Head | 1 |
| 120 | 36441 | Head – Cylinder (Incl. Ref. #131) | 1 |
| 125 | 29313C | Valve – Exhaust Standard (Incl. ref. #151) | 1 |
| | 29315C | Valve – Exhaust 1/32" oversize (Incl. Ref. #151) | 1 |
| 126 | 32644A | Valve – Intake Standard (Incl. Ref. #151) | 1 |
| | 32645A | Valve – Intake 1/32" oversize (Incl. Ref. #151) | 1 |
| 127 | 650691 | Washer – Flat | 1 |
| 129 | 650818 | Screw – Special | 1 |
| 130 | 6021A | Screw – Hex Flange Hd. | 2 |
| 131 | 650694A | Screw – Hex Flange Hd. | 5 |
| 135 | 35395 | Plug – Spark (Champion RJ–19LM or equivalent | 1 |
| 150 | 31672 | Spring – Valve | 2 |
| 151 | 31673 | Cap – Valve Spring | 2 |
| 169 | *27234A | Gasket – Valve Cover | 2 |
| 170 | 27666 | Body – Valve Cover | 1 |
| 171 | 31410 | Element – Valve Body | 1 |
| 172 | 34146 | Cover – Breather | 1 |
| 173 | 35350 | Tube – Breather | 1 |
| 174 | 30200 | Screw – Hex Hd. | 2 |
| 178 | 29752 | Nut & Lockwasher | 2 |
| 181 | 650870 | Screw – Hex Hd. | 1 |
| 182 | 6201 | Screw – Hex Hd. | 1 |
| 183 | 34583 | Bracket – Choke | 1 |
| 184 | *26756 | Gasket – Carburetor | 1 |
| 185 | 33691 | Pipe – Intake | 1 |
| 186 | 32698 | Link – Governor to Throttle | 1 |
| 200 | 33858A | Control Assembly (Incl. Ref.# 203, 204, 206, 209 & 209A) | 1 |
| 203 | 31342 | Spring – Compression | 1 |
| 204 | 650549 | Screw – Fil. Hd. | 1 |
| 206 | 610973 | Terminal Assembly | 1 |
| 209 | 650139 | Screw | 2 |
| 209A | 30322 | Lock Nut | 2 |
| 215 | 35440 | Knob – Speed Control | 1 |
| 219 | 34582 | Rod – Choke | 1 |
| 220 | 35438 | Knob – Choke Control | 1 |
| 222 | 28820 | Screw – Fil. Hd. | 2 |
| 223 | 650664 | Screw – Fil Hd. | 2 |
| 224 | *33673A | Gasket – Intake | 1 |

* Indicated Parts included in Gasket Set Ref.#400

# ENGINE TECUMSEH MODEL HSSK50–67259N

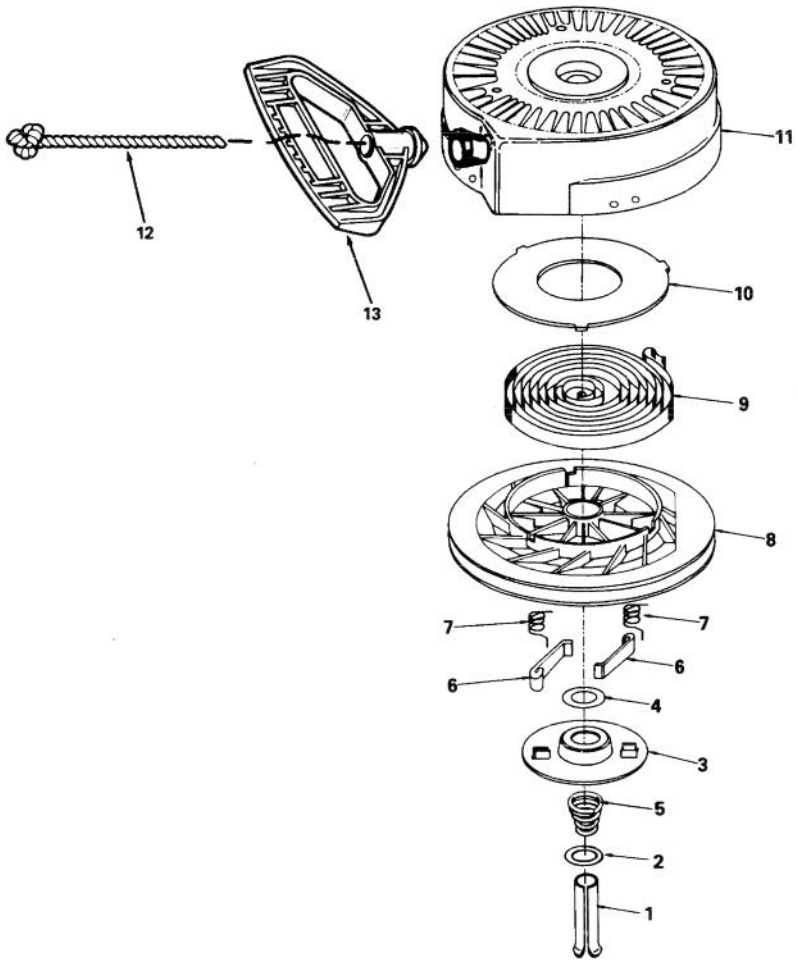


# ENGINE TECUMSEH MODEL HSSK50–67259N (Cont.)

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 260 | 35656A | Housing – Blower | 1 |
| 262 | 29212 | Screw – Hex Hd. | 2 |
| 267 | 34212 | Bracket – Hold Down | 1 |
| 268 | 30200 | Screw – Hex Washers Hd. | 1 |
| 272 | 650735 | Screw – Hex Hd, | 1 |
| 274 | *33670A | Gasket – Exhaust | 1 |
| 275 | 35771 | Muffler (Incl. Ref.# 274) | 1 |
| 277 | 650327 | Screw – Fil. Hd. | 2 |
| 285 | 36476 | Cup – Starter | 1 |
| 287 | 650926 | Screw – Hex Washer Hd. | 2 |
| 290 | 29774 | Line – Fuel | 1 |
| 291 | 30705 | Line – Fuel | 1 |
| 292 | 26460 | Clamp – Fuel Line | 4 |
| 295 | 35857 | Valve – Shut–Off | 1 |
| 298 | 650665 | Screw – Hex Washer Hd. | 2 |
| 300 | 35584 | Tank Assembly – Fuel (Incl. Ref. #292 & 301) | 1 |
| 301 | 35355 | Cap – Fuel Tank | 1 |
| 305 | 35554 | Tube Assy. – Oil Fill | 1 |
| 307 | 35499 | "O" Ring | 1 |
| 308 | 35539 | Clip – Oil Fill | 1 |
| 310 | 35556 | Dipstick | 1 |
| 313 | 34080 | Spacer – Flywheel Key | 1 |
| 327 | 35392 | Plug – Starter | 1 |
| 335 | 35072 | Cover – Carburetor | 1 |
| 338 | 650257 | Screw – Pan Hd. | 2 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 340 | 36247 | Plate – Fuel Tank | 1 |
| 342 | 30063 | Screw w/Belleville Washer | 1 |
| 342A | 650675 | Washer – Flat | 1 |
| 345 | 33344 | Baffle – Heat | 1 |
| 350 | 570682 | Primer Assembly | 1 |
| 351 | 32180C | Line – Primer | 1 |
| 355 | 590574 | Handle – Starter | 1 |
| 364 | 33333 | Carburetor Cover Bracket | 1 |
| 365 | 650735 | Screw | 1 |
| 370 | 36261 | Decal – Lubrication | 1 |
| 380 | 632107A | Carburetor (Incl. Ref. #184) | 1 |
| 390 | 590646 | Starter – Rewind (NOTE: This engine could have been built with a 590707 starter. Refer to the design of the air intake louvers for part identification. Individual starter parts do not interchange.) | 1 |
| 396 | 33290D | Electric Starter Kit (Optional) | 1 |
| 400 | 36444 | Gasket Set | 1 |
| 420 | 730226 | Oil – 4 Cycle SAE 5W30 (Quart) | 1 |

* Indicated Parts included in Gasket Set ref.#400

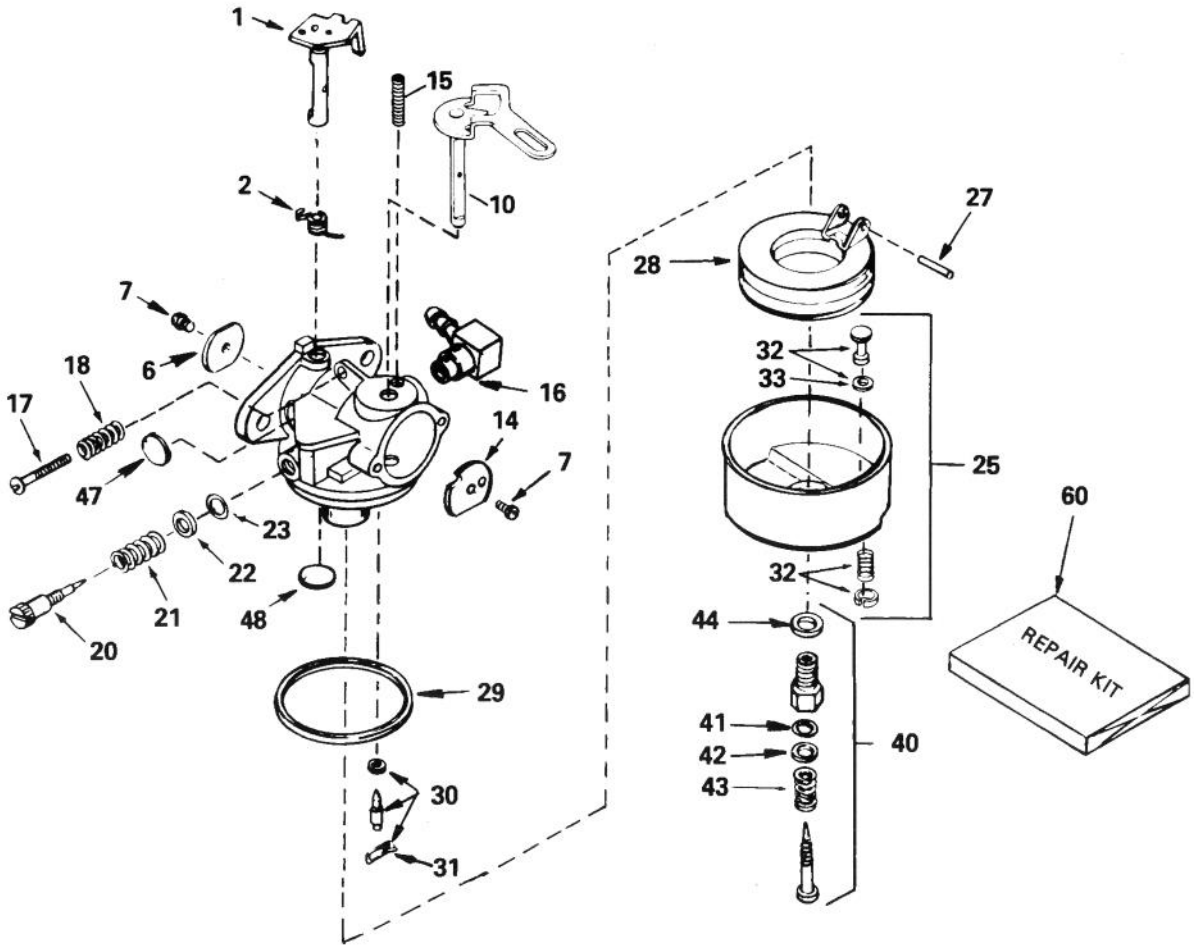



# REWIND STARTER NO. 590646

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 590599A | Pin – Spring (Incl. Ref. #4) | 1 |
| 2 | 590600 | Washer | 1 |
| 3 | 590615 | Retainer | 1 |
| 4 | 590601 | Washer | 1 |
| 5 | 590598 | Spring – Brake | 1 |
| 6 | 590616 | Dog – Starter | 2 |
| 7 | 590617 | Spring – Dog | 2 |
| 8 | 590645A | Pulley | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 9 | 590619 | Spring – Rewind | 1 |
| 10 | 590620 | Cover – Spring | 1 |
| 11 | 590647 | Housing Assembly | 1 |
| 12 | 590535 | Rope – 9/64" dia. x 98" long | 1 |
| 13 | 590574 | Handle – Mitten Grip (Not included with Starter) | 1 |
| * | 590646 | Starter – Rewind | 1 |

* Not Illustrated




# CARBURETOR NO. 632107A

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 1 | 631615 | Shaft & Lever Assembly | 1 |
| 2 | 631767 | Spring – Throttle Return | 1 |
| 6 | 631036 | Shutter – Throttle | 1 |
| 7 | 650506 | Screw | 2 |
| 10 | 632108 | Shaft & Lever Assy. (Choke) | 1 |
| 14 | 631815 | Shutter – Choke | 1 |
| 15 | 630735 | Spring – Choke Stop | 1 |
| 16 | 631807 | Fitting – Fuel Inlet | 1 |
| 17 | 650417 | Screw – Idle | 1 |
| 18 | 630766 | Spring – Idle Screw | 1 |
| 20 | 631838† | Screw – Idle | 1 |
| 21 | 630766 | Spring – Idle Tension | 1 |
| 22 | 630739 | Washer – Flat | 1 |
| 23 | 630740† | "O" Ring | 1 |
| 25 | 631951 | Bowl – Assembly (Incl. Ref. #32 & 33) | 1 |
| 27 | 631024† | Shaft – Float | 1 |
| 28 | 632019 | Float – Carburetor | 1 |
| 29 | 631028† | Gasket – Bowl–to–Body | 1 |
| 30 | 631021† | Inlet Needle – Seat & Clip (Incl. Ref. #31) | 1 |

| Ref. No. | Part No. | Description | No. Used |
|---|---|---|---|
| 31 | 631022 | Clip – Inlet Needle | 1 |
| 32 | 27136A | Drain Assembly – Bowl (Incl. Ref. #33) | 1 |
| 33 | 27554 | Gasket – Drain Plunger | 1 |
| 40 | 31839† | Screw Adjustment Assembly (Incl. Ref. #41–44) | 1 |
| 41 | 630740† | "O" Ring – High Speed Mixture Screw | 1 |
| 42 | 630739 | Washer – Flat High Speed Mixture Screw | 1 |
| 43 | 630738 | Spring | 1 |
| 44 | 27110† | Washer – Bowl Nut | 1 |
| 47 | 630748† | Plug – Welch | 1 |
| 48 | 631027† | Plug – Welch | 1 |
| 60 | 31840 | Repair Kit (Incl. Items Marked †) | 1 |
| * | 632107A | Carburetor (Incl. Ref. #1–60) | 1 |

* Not Illustrated

# TORO PART NUMBER INDEX



| Part No. | Description | Pg. No. | Ref. No. | Qty. |
|---|---|---|---|---|
| 3–0737 | Washer | 1 | 14 | 1 |
| 3–4244 | Idler Pulley | 5 | 1 | 1 |
| 3–8664 | Washer | 2 | 47 | 1 |
| 3–8664 | Washer – Thrust | 4 | 56 | 2 |
| 5–1550 | Washer – Thrust | 2 | 34 | 4 |
| 5–7170 | Gear – Worm | 2 | 46 | 1 |
| 5–7180 | Gear | 2 | 43 | 1 |
| 5–7570 | Washer – Thrust | 3 | 11 | 2 |
| 7–0045 | Seal – Oil | 2 | 54 | 2 |
| 10–9280 | Washer – Thrust | 3 | 18 | 2 |
| 11–5269 | Housing–Auger | 1 | 1 | 1 |
| 12–3270 | Screw – Tapping | 4 | 63 | 8 |
| 12–7739 | Bracket – Chute Control | 6 | 21 | 1 |
| 12–8749 | Chute – Discharge | 1 | * | 1 |
| 12–8789 | Bearing Assembly | 2 | * | 1 |
| 13–7979 | Chute – Discharge | 1 | 21 | 1 |
| 14–2449 | Gear Case R.H. | 2 | 52 | 1 |
| 14–2459 | Gear Case L.H. | 2 | 40 | 1 |
| 14–7959 | Auger Clutch | 5 | 3 | 1 |
| 17–9120 | Mount – Wire | 6 | 38 | 3 |
| 20–1620 | Bearing – Friction Wheel | 3 | 13 | 2 |
| 20–4320 | Washer – Rubber | 1 | 13 | 2 |
| 27–0220 | Screw – Self Tapping | 2 | 28 | 6 |
| 36–4790 | Washer – Thrust | 3 | 27 | 2 |
| 37–6490 | Retainer – Chute Ring | 1 | 25 | 3 |
| 37–6500 | Gear – Sliding | 3 | 8 | 1 |
| 37–6520 | Gear – Axle | 4 | 55 | 1 |
| 37–6550 | Bearing – Auger | 2 | 35 | 2 |
| 37–6560 | Bushing – Input | 2 | 57 | 1 |
| 37–6570 | Wheel – Friction | 3 | 28 | 1 |
| 37–6760 | Shaft – Pivot | 3 | 33 | 1 |
| 37–6780 | Shaft – Hex | 3 | 9 | 1 |
| 37–6800 | Shaft – Auger | 2 | 55 | 1 |
| 37–6830 | Cover – Bottom | 4 | 54 | 1 |
| 37–6850 | Bearing – Axle | 4 | 52 | 2 |
| 37–6890 | Pulley | 1 | 16 | 1 |
| 37–6900 | Cover – Belt | 5 | 28 | 1 |
| 37–6960 | Gear Case Assembly | 2 | * | 1 |
| 37–6990 | Shaft & Impeller | 1 | 4 | 1 |
| 37–8770 | Bolt – Shoulder | 3 | 24 | 3 |
| 37–8790 | Mount – Quadrant Gear | 3 | 20 | 1 |
| 37–8800 | Quadrant – Gear | 3 | 23 | 1 |
| 37–8820 | Selector – Speed | 6 | 2 | 1 |
| 37–8870 | Spring – Friction Plate Frame | 3 | 46 | 1 |
| 37–8880 | Spring – Traction Engage | 3 | 15 | 1 |
| 37–8900 | Frame – Traction | 3 | 5 | 1 |
| 37–8941 | Ring – Chute | 2 | 30 | 1 |
| 37–8990 | Retainer – Belt | 5 | 19 | 1 |
| 37–9070 | Mount – Clutch Rod Rear | 3 | 7 | 1 |
| 37–9080 | V–Belt – Auger | 5 | 23 | 1 |
| 37–9090 | V–Belt – Traction | 5 | 22 | 1 |
| 37–9150 | Spring | 7 | 48 | 1 |
| 37–9160 | Intermediate Gear & Bushing | 3 | 17 | 1 |
| 38–0800 | Plate – Friction | 3 | 36 | 1 |
| 38–4490 | Bracket – Traction | 3 | 40 | 1 |
| 38–4520 | Spring – Compression | 3 | 39 | 1 |
| 38–7820 | Bearing | 4 | 60 | 1 |
| 39–1180 | Auger – R.H. | 1 | 2 | 1 |
| 39–1190 | Auger – L.H. | 1 | * | 1 |
| 39–1230 | Bracket – Sliding | 3 | 14 | 1 |
| 39–1250 | Cam – Receiver | 3 | 22 | 1 |
| 39–1280 | Mount – Speed Selector | 6 | 41 | 1 |
| 39–1520 | Hub – Friction Wheel Mount | 3 | 29 | 1 |
| 39–1551 | Blade – Scraper | 2 | 36 | 1 |
| 39–3060 | Rod – Lower Traction | 3 | 32 | 1 |
| 39–3080 | Clevis | 6 | 35 | 1 |
| 39–3850 | Decal – Choke | 5 | 11 | 1 |
| 39–7570 | Rod – Speed Selector | 6 | 37 | 1 |
| 40–5940 | Switch – On/Off | 6 | 6 | 1 |
| 40–8130 | Spacer – Speed Selector | 7 | 47 | 1 |
| 40–8160 | Skid | 2 | 31 | 2 |
| 40–8230 | Grip – Rod | 6 | 19 | 1 |
| 40–8250 | Gear – Worm | 6 | 32 | 1 |
| 40–8270 | Rod – Chute Control | 6 | 24 | 1 |
| 40–8280 | Bracket – Chute Worm | 6 | 31 | 1 |
| 40–8350 | Screw – Shoulder | 3 | 42 | 1 |
| 40–9680 | Spacer | 3 | 41 | 1 |
| 42–3560 | Bolt – Shoulder | 5 | 5 | 1 |
| 43–7290 | Screw – Special | 5 | 24 | 1 |
| 43–7310 | Traction Engagement Assy. | 3 | 37 | 1 |
| 43–7360 | Panel – Escutcheon | 7 | 44 | 1 |
| 43–7370 | Engine Pulley | 5 | 6 | 1 |
| 43–7390 | Wire Harness Assembly | 6 | 40 | 1 |
| 47–4990 | Post – Linkage Mounting | 6 | 9 | 2 |
| 49–3040 | Tube – Drain | 5 | 14 | 1 |
| 51–0460 | Gasket | 2 | 51 | 1 |
| 52–5560 | Handle – Right | 7 | * | 1 |
| 52–5561 | Handle – Right | 7 | 43 | 1 |
| 52–5570 | Handle – Left (Model 38054) | 6 | * | 1 |
| 52–5571 | Handle – Left (Model 38052) | 6 | 15 | 1 |
| 52–5590 | Link – Upper | 6 | 11 | 2 |
| 52–5600 | Pin – Control Lever | 6 | 8 | 2 |
| 53–7570 | Spring – Auger Disengage | 5 | 2 | 1 |
| 53–7670 | Decal – Auger Warning | 1 | 3 | 1 |
| 55–8950 | Plate – Friction | 1 | 12 | 2 |
| 56–2670 | Chute – Wire | 1 | 20 | 1 |
| 56–2680 | Deflector | 1 | 18 | 1 |
| 62–5760 | Decal – Primer | 5 | 9 | 1 |
| 63–2310 | Decal – Hot Surface Warning | 5 | * | 1 |
| 63–2410 | Decal – Choke | 5 | * | 1 |
| 63–2450 | Decal – Throttle | 5 | 10 | 1 |
| 63–3450 | Bearing – Ball | 1 | 7 | 1 |
| 63–3510 | Decal – Chute Direction | 6 | 20 | 1 |
| 63–3640 | Handle – Control | 6 | 12 | 2 |
| 63–3740 | Decal – Discharge | 1 | 22 | 1 |
| 63–3760 | Decal – Discharge | 1 | * | 1 |
| 63–8360 | Key – Ignition | 6 | 7 | 1 |
| 66–6560 | Decal – 521 | 7 | 45 | 1 |
| 66–6790 | Mount – Clutch Rod Front | 3 | 2 | 1 |
| 66–6830 | Decal – Escutcheon Back | 6 | 5 | 1 |
| 66–6840 | Decal – Hot Surface Warning | 5 | 12 | 1 |
| 66–6880 | Decal – Escutcheon Back | 6 | * | 1 |
| 66–8060 | Molded Brake Assembly | 5 | 29 | 1 |
| 74–1350 | Shaft – Axle | 4 | 51 | 1 |
| 74–1360 | Grip – Handle | 6 | 14 | 2 |
| 88–0550 | Frame – Friction Plate | 3 | 3 | 1 |
| 88–0560 | Hub – Frame | 4 | 59 | 1 |
| 88–0850 | Pulley & Shaft | 4 | 57 | 1 |
| 231–120 | Tire | 3 | 47 | 2 |
| 232–46 | Tube | 4 | 50 | 2 |
| 233–21 | Knob | 6 | 1 | 1 |
| 237–87 | Seal | 2 | 58 | 1 |
| 241–131 | Rim | 4 | 49 | 2 |
| 252–71 | Bearing – Thrust | 2 | 42 | 2 |
| 252–76 | Bearing – Needle, Thrust | 2 | 45 | 1 |
| 252–80 | Washer – Thrust | 2 | 50 | 1 |

*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)



| Part No. | Description | Pg. No. | Ref. No. | Qty. |
|---|---|---|---|---|
| 252–80 | Washer – Thrust | 4 | 61 | 1 |
| 256–32 | Bushing | 2 | 49 | 1 |
| 256–86 | Bushing | 3 | 12 | 1 |
| 256–237 | Bushing | 2 | 53 | 2 |
| 256–249 | Nyliner | 6 | 22 | 1 |
| 256–322 | Bushing | 4 | 58 | 1 |
| 257–3 | Washer – Thrust | 2 | 44 | 1 |
| 281–1 | Pipe – Plug | 2 | 41 | 1 |
| 281–7 | Plug – Pipe | 5 | 15 | 1 |
| 283–3 | Pin – Clevis | 6 | 34 | 1 |
| 321–4 | Screw – Hex. Hd. | 3 | 34 | 1 |
| 321–9 | Screw – Hex. Head | 6 | 16 | 4 |
| 321–10 | Screw – Cap | 2 | 38 | 2 |
| 322–2 | Screw – Hex. Hd. Cap | 3 | 16 | 10 |
| 322–2 | Screw – Hex. Hd. Cap | 6 | 25 | 4 |
| 322–7 | Screw – Cap | 5 | 18 | 4 |
| 322–7 | Screw – Hex. Hd. | 6 | 23 | 2 |
| 323–29 | Screw – Cap | 5 | 4 | 1 |
| 3210–3 | Screw – Cap | 5 | 21 | 1 |
| 3218–1 | Nut – Jam | 6 | 42 | 1 |
| 3229–11 | Bolt – Carriage | 7 | 46 | 2 |
| 3230–1 | Bolt – Carriage | 2 | 60 | 9 |
| 3230–18 | Bolt – Carriage | 1 | 5 | 6 |
| 3230–22 | Bolt – Carriage | 1 | 19 | 2 |
| 3230–22 | Bolt – Carriage | 6 | 28 | 1 |
| 3234–13 | Screw – Hex. Flange Hd. | 6 | 13 | 2 |
| 3242–4 | Screw – Set | 1 | 17 | 2 |
| 3255–8 | Washer –Lock Ext. Tooth | 5 | 20 | 1 |
| 3256–23 | Washer | 6 | 3 | 4 |
| 3256–23 | Washer | 1 | 23 | 3 |
| 3256–23 | Washer – Flat | 5 | 17 | 5 |
| 3256–24 | Washer | 6 | 10 | 2 |
| 3256–24 | Washer – Flat | 5 | 27 | 1 |
| 3256–68 | Washer – Flat | 1 | 11 | 2 |
| 3257–23 | Key | 1 | 15 | 1 |
| 3257–23 | Key – Woodruff | 2 | 59 | 1 |
| 3257–24 | Key | 3 | 10 | 1 |
| 3257–33 | Key – Woodruff | 2 | 39 | 1 |
| 3272–4 | Pin – Cotter | 6 | 33 | 3 |
| 3290–196 | Retainer – Nut | 4 | 6 | 27 |
| 3290–238 | Washer – Pyramidal | 6 | 29 | 1 |
| 3290–243 | Pin – Klik | 3 | 48 | 2 |
| 3290–320 | Nut – Push | 6 | 18 | 2 |
| 3290–320 | Nut – Push On | 5 | 26 | 1 |
| 3290–326 | Pushnut | 2 | 29 | 1 |
| 3290–340 | Washer – Belleville | 1 | 10 | 2 |
| 3290–378 | Cable Tie | 7 | * | 2 |
| 3290–456 | Washer – Belleville | 6 | 26 | 4 |
| 3296–16 | Nut – Lock | 3 | 19 | 1 |
| 3296–29 | Nut – Lock | 5 | 16 | 4 |
| 3296–29 | Nut – Lock | 3 | 21 | 9 |
| 3296–29 | Nut – Lock | 3 | 25 | 4 |
| 3296–29 | Nut – Lock | 6 | 30 | 2 |
| 3296–29 | Nut – Lock | 1 | 9 | 13 |
| 3296–42 | Nut – Lock | 6 | 17 | 4 |
| 3296–42 | Nut – Lock | 2 | 37 | 2 |
| 3296–42 | Nut – Lock | 3 | 43 | 1 |
| 3296–48 | Nut – Lock | 3 | 30 | 1 |
| 3296–56 | Nut – Lock | 5 | 25 | 1 |
| 3296–59 | Nut – Lock | 5 | 30 | 1 |
| 32115–5 | Retainer – Nut | 6 | 36 | 1 |
| 32120–72 | Ring – Retaining | 2 | 48 | 1 |
| 32121–31 | Pin – Roll | 4 | 53 | 2 |
| 32121–45 | Pin – Roll | 3 | 35 | 2 |
| 32128–13 | Nut – Flange Lock | 7 | 49 | 1 |
| 32128–20 | Nut – Flange | 2 | 32 | 4 |
| 32128–32 | Nut – Flange | 3 | 38 | 1 |
| 32128–33 | Nut – Flange | 3 | 31 | 2 |
| 32128–33 | Nut – Flange Lock | 6 | 39 | 2 |
| 32144–4 | Screw – Self Tap. Hex. Hd. | 3 | 6 | 8 |
| 32144–4 | Screw – Self Tapping | 5 | 13 | 3 |
| 32144–41 | Screw – Self Tapping | 2 | 56 | 8 |
| 32144–70 | Screw – Self Tap. Hex. Hd. | 3 | 1 | 9 |
| 32144–70 | Screw – Self Tapping | 1 | 26 | 4 |
| 32151–36 | Ring – Retaining | 2 | 33 | 2 |
| 32151–61 | Ring – Retaining | 3 | 44 | 1 |
| 32151–73 | Ring – Clip | 6 | 4 | 2 |
| 32151–103 | Ring – Snap | 4 | 62 | 1 |

OPTIONAL EQUIPMENT

| | | |
|---|---|---|
| 56–2700 | Tire Chain Kit | 1 |

*Not Illustrated

## PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

## COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

# MAINTENANCE RECORD

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Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.