Form Number 3329-947

# CCR™ Powerlite® 325 Snowthrower

**Model No. 38182 - 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.

AR. . . . . as required
ASM. . . . . assembly
CARR. . . . . carriage
DEG. . . . . degrees
FH. . . . . flat head
GA. . . . . gauge
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
HS. . . . . hex
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
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
WH. . . . . wing head

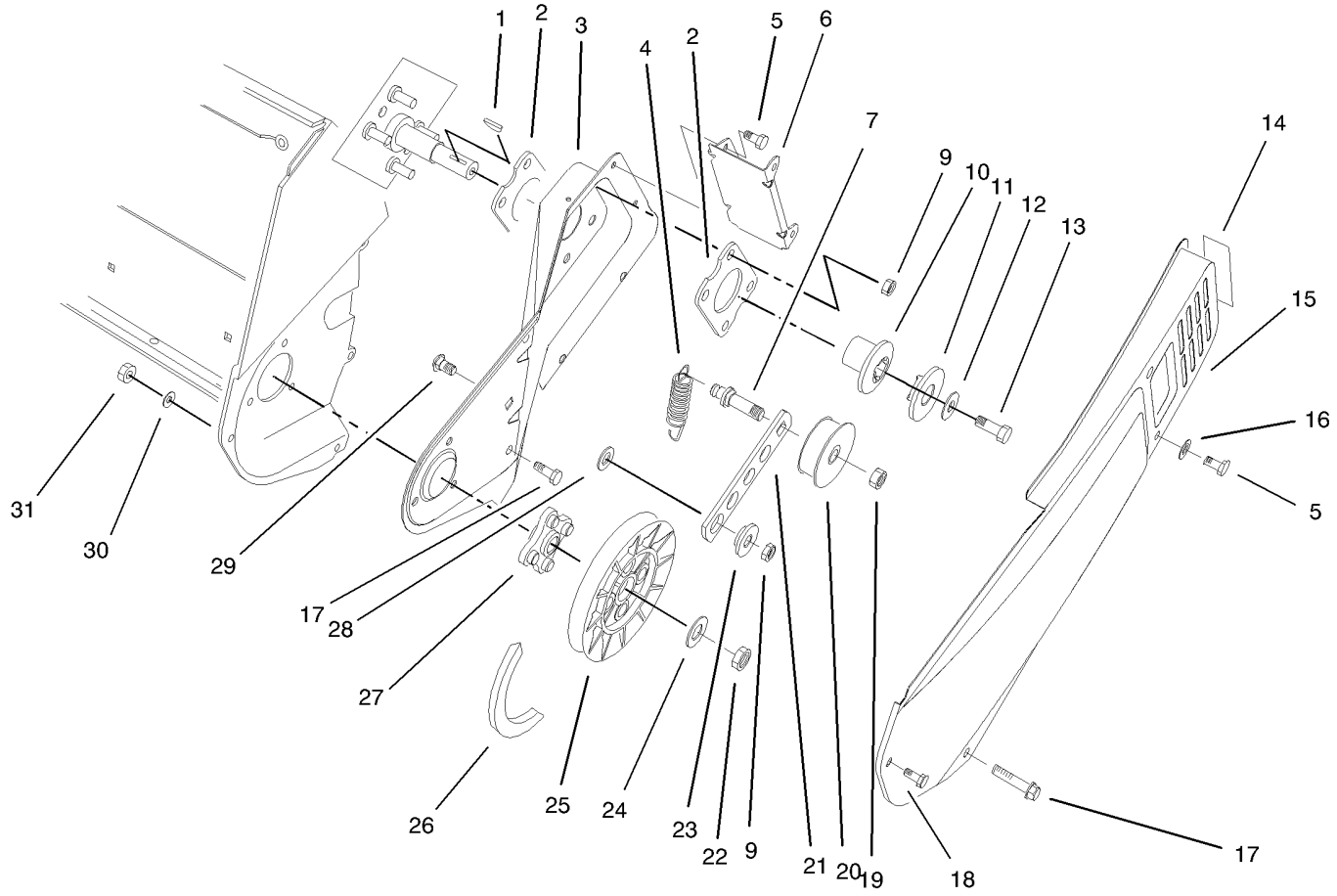
# Footnotes

❶ Not illustrated

❷ Not serviced separately

# Contents

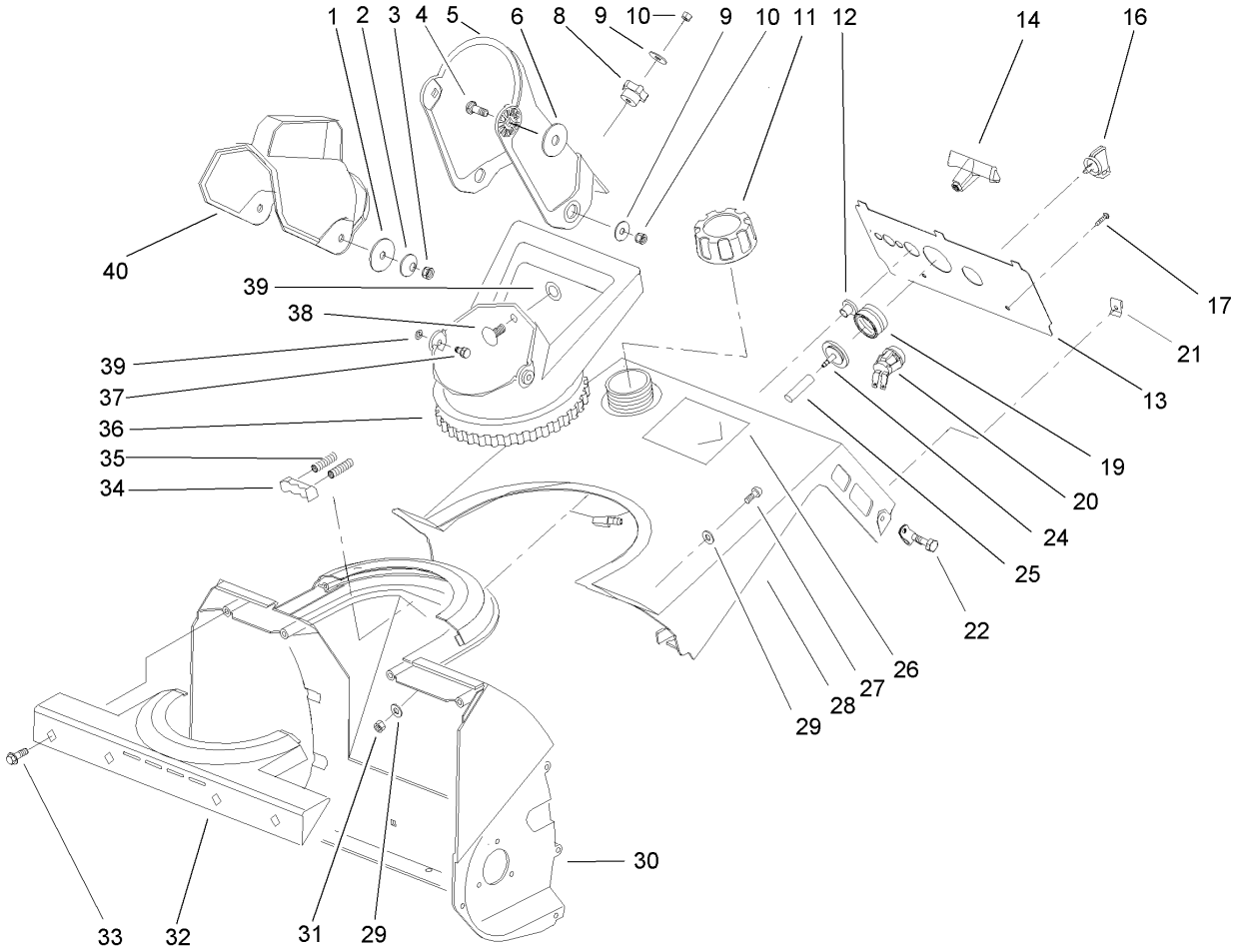

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# Impeller Drive Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3257-3 | 1 | Key-Woodruff |
| 2 | 71-5290-03 | 2 | Plate-Engine |
| 3 | 95-7945-03 | 1 | Sideplate-LH |
| 4 | 75-9020 | 1 | Spring-Extension |
| 5 | 32144-4 | 4 | Screw-HWH |
| 6 | 75-8870-03 | 1 | Bracket-Cover, Belt |
| 7 | 75-8720 | 1 | Pin-Idler |
| 9 | 3296-29 | 5 | Nut-Lock, NI |
| 10 | 71-5050 | 1 | Hub-Half Sheave |
| 11 | 71-5060 | 1 | Cap-Half Sheave |
| 12 | 3256-71 | 1 | Washer-Flat |
| 13 | 3235-6 | 1 | Screw-HH |
| 14 | 104-2767 | 1 | Decal-Hot Surface |
| 15 | 75-8830-03 | 1 | Cover-Belt |
| 16 | 3256-1 | 2 | Washer-Flat |
| 17 | 46-8094 | 3 | Screw-Plastite |
| 18 | 32105-23 | 1 | Screw |
| 19 | 3296-59 | 1 | Nut-Lock, NI |
| 20 | 71-5260 | 1 | Pulley-Idler |
| 21 | 75-9050 | 1 | Arm-Idler |
| 22 | 3296-38 | 1 | Nut-Lock NI |
| 23 | 75-8700 | 1 | Bushing-Idler |
| 24 | 3256-25 | 1 | Washer-Flat |
| 25 | 75-8750 | 1 | Pulley-Driven |

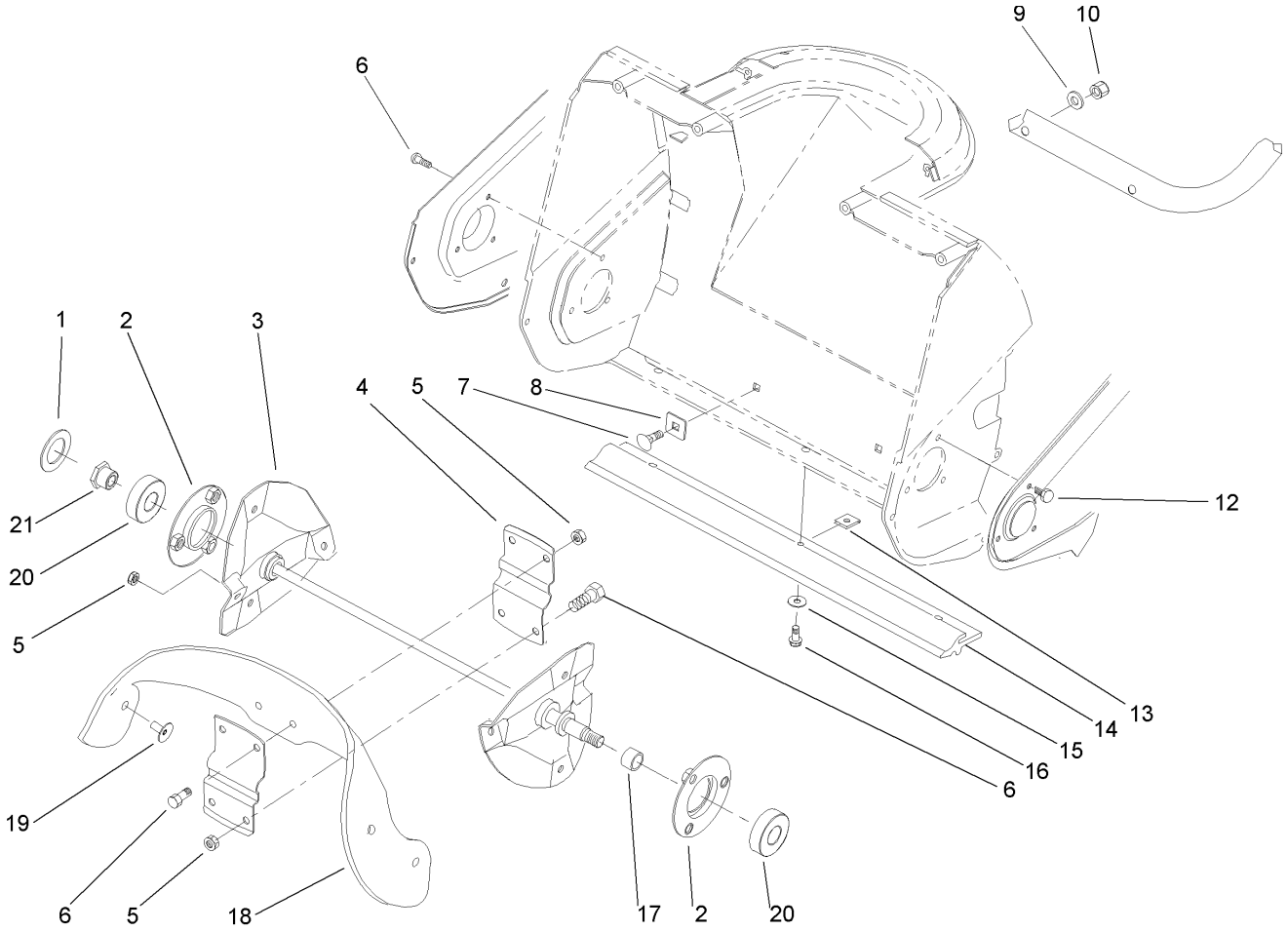
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 26 | 75-9010 | 1 | V-Belt |
| 27 | 75-8740 | 1 | Hub |
| 28 | 25-5640 | 1 | Washer |
| 29 | 3230-23 | 1 | Screw-CARR |
| 30 | 3256-14 | 1 | Washer-Flat |
| 31 | 3296-2 | 1 | Nut-Lock |




# Housing, Upper Shroud, and Chute Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3256-68 | 2 | Washer-Flat |
| 2 | 3290-340 | 2 | Washer-Belleville |
| 3 | 3296-29 | 2 | Nut-Lock, NI |
| 4 | 3230-2 | 2 | Bolt-CARR |
| 5 | 104-2764 | 1 | Chute |
| 6 | 95-1905 | 2 | Washer-Rubber |
| 8 | 233-67 | 1 | Knob-Chute |
| 9 | 3256-81 | 2 | Washer-Flat |
| 10 | 3296-56 | 2 | Nut-Lock, NI |
| 11 | 104-4133 | 1 | Gas Cap ASM |
| 12 | 23-7470 | 1 | Guide-Starter Rope |
| 13 | 104-4940 | 1 | Control Panel-Silkscreened |
| 14 | 92-4853 | 1 | Handle-Starter |
| 16 | 63-8360 | 1 | Key-Ignition |
| 17 | 32144-53 | 2 | Screw-SHWH |
| 19 | 66-7460 | 1 | Bulb-Primer |
| 20 | 40-5940 | 1 | Switch-On/off |
| 21 | 49-1490 | 2 | Nut |
| 22 | 32144-89 | 2 | Screw-Forming, Thread |
| 24 | 44-2750 | 1 | Body-Primer |
| 25 | 44-3173 | 1 | Hose-Primer |
| 26 | 106-4724 | 1 | Decal-Electric Start |
| 27 | 3250-32 | 2 | Screw-PPH |
| 28 | 105-2994 | 1 | Shroud-Tank, Gas Upper |

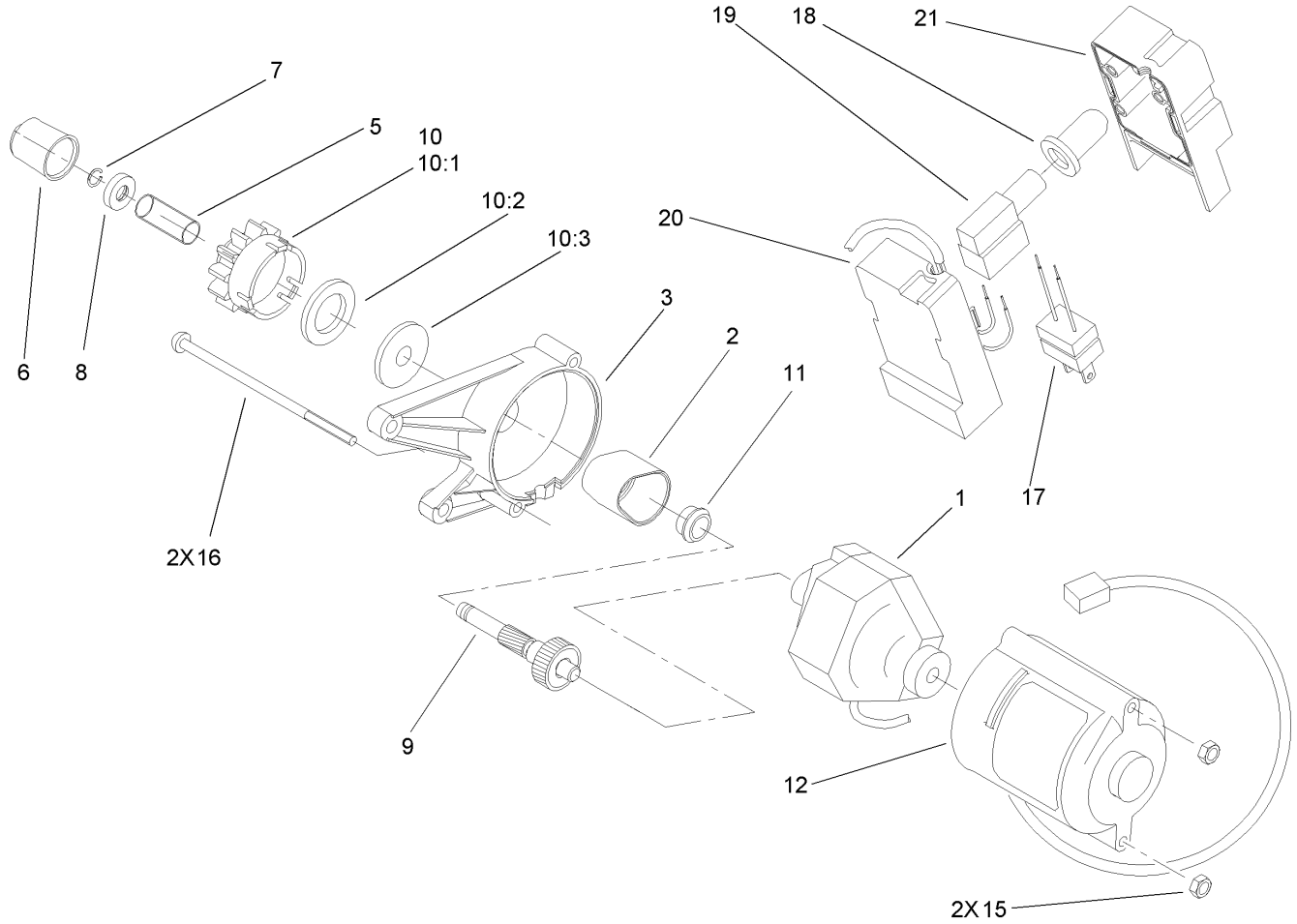
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 29 | 3256-1 | 4 | Washer-Flat |
| 30 | 75-8660 | 1 | Housing |
| 31 | 3296-42 | 2 | Nut-Lock, NI |
| 32 | 75-8650 | 1 | Retainer-Chute |
| 33 | 46-8094 | 4 | Screw-Plastite |
| 34 | 75-9160 | 1 | Detent-Chute |
| 35 | 75-9170 | 2 | Spring-Compression |
| 36 | 75-8670 | 1 | Handle-Chute |
| 37 | 321-3 | 2 | Screw-HH |
| 38 | 3229-11 | 1 | Screw-CARR |
| 39 | 32115-15 | 3 | Pushnut-Retainer, Bolt |
| 40 | 75-8770 | 1 | Deflector-Chute |




# Impeller Assembly

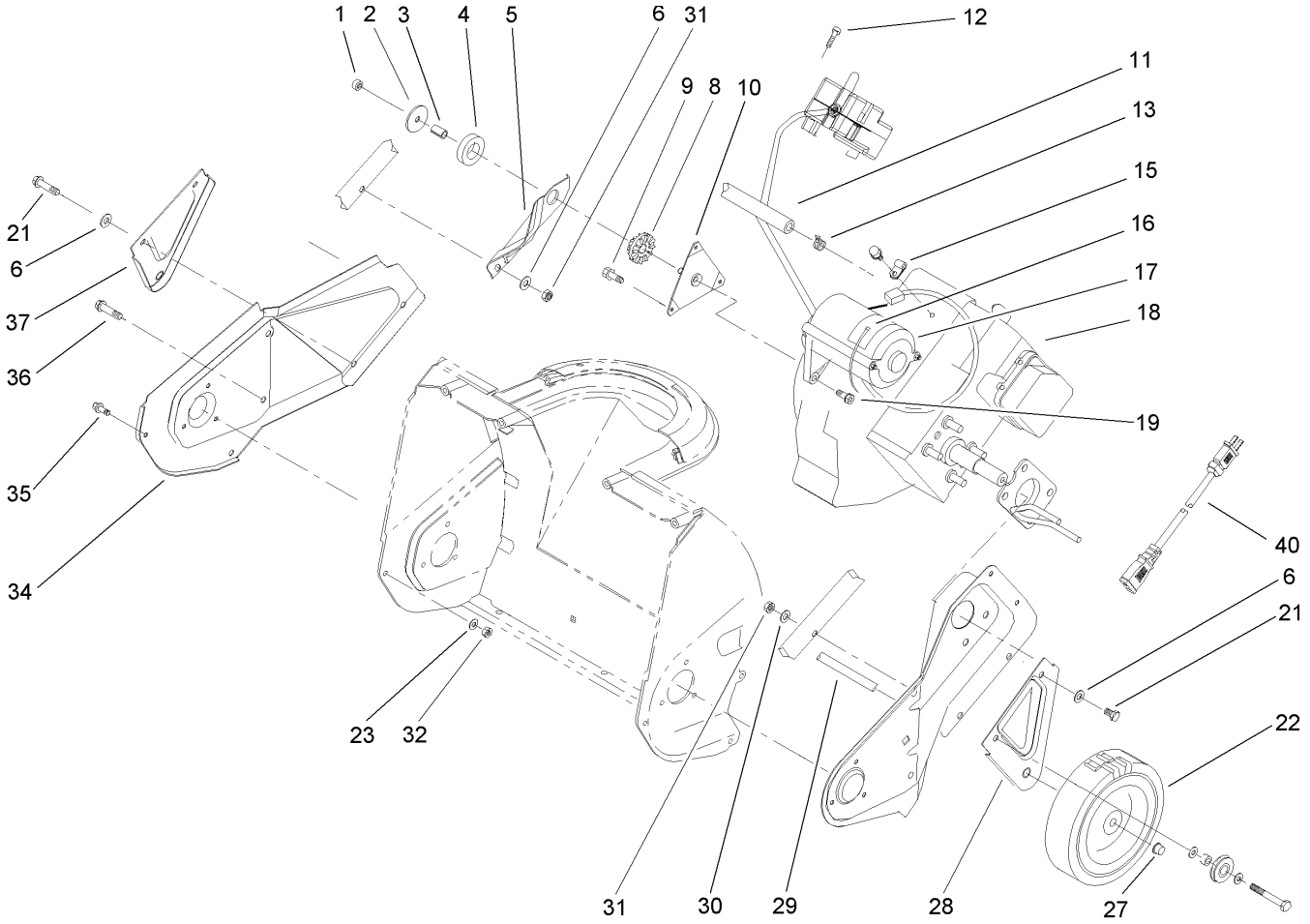
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 75-9180 | 1 | Washer-Rubber |
| 2 | 75-9080-03 | 2 | Flange Bearing ASM |
| 3 | 75-8840-03 | 1 | Rotor Shaft ASM |
| 4 | 75-8880-03 | 2 | Support-Rotor |
| 5 | 3296-56 | 12 | Nut-Lock, NI |
| 6 | 3234-33 | 7 | Screw-HHF |
| 7 | 3229-5 | 2 | Screw-CARR |
| 8 | 75-9040 | 2 | Washer-Square |
| 9 | 3-7501 | 2 | Washer |
| 10 | 3296-42 | 2 | Nut-Lock, NI |
| 12 | 321-3 | 3 | Screw-HH |
| 13 | 32115-19 | 3 | Nut-Speed, U Type |
| 14 | 75-8780 | 1 | Scraper |
| 15 | 3256-14 | 3 | Washer-Flat |
| 16 | 32144-34 | 3 | Screw-Forming, Thread |
| 17 | 75-8710 | 1 | Spacer |
| 18 | 84-1980 | 2 | Blade-Rotor |
| 19 | 84-1970 | 8 | Screw |
| 20 | 100-1048 | 2 | Bearing-Ball |
| 21 | 75-8690 | 1 | Nut |

| | | | |
|---|---|---|---|
| | | | |




# 120 Volt Starter Assembly No. 105-2953

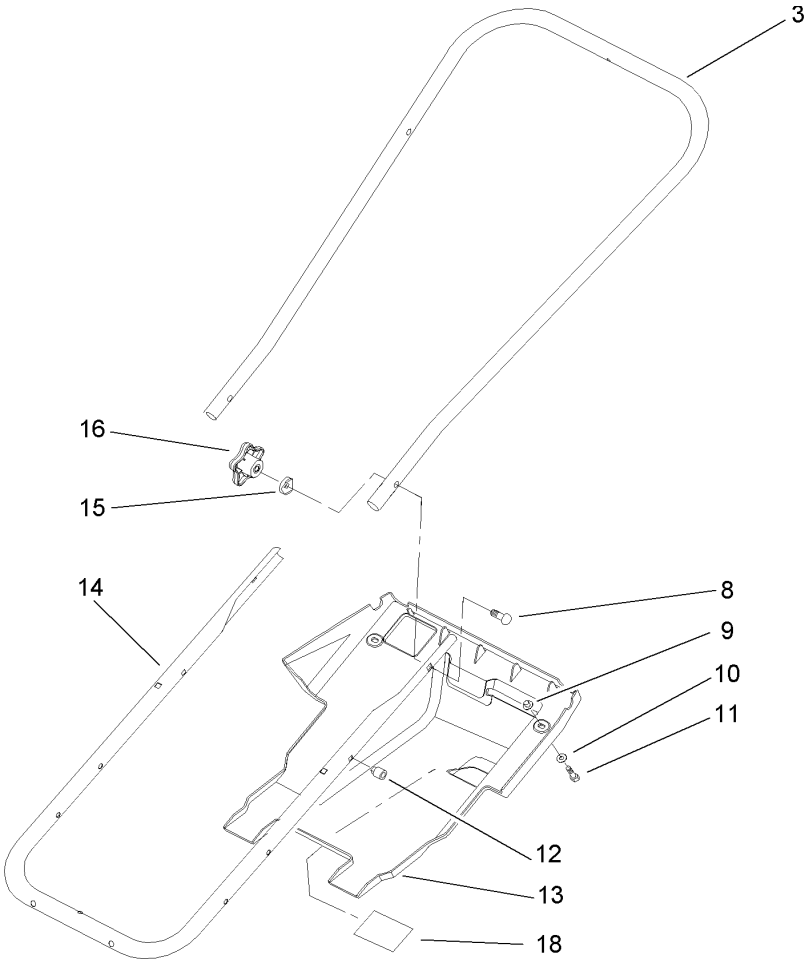
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 70-7802 | 1 | Starter Motor ASM |
| 2 | 70-7850 | 1 | Cover-Gear |
| 3 | 100-3443 | 1 | Housing-Upper Starter |
| 5 | 61-4690 | 1 | Spring |
| 6 | 70-7890 | 1 | Cap-Pinion |
| 7 | 61-4680 | 1 | Ring-Lock |
| 8 | 100-2902 | 1 | Stop-Pinion |
| 9 | 105-8831 | 1 | Shaft And Gear ASM |
| 10 | 84-5240 | 1 | Pinion ASM |
| 10:1 | 70-7790 | 1 | Nut |
| 10:2 | 84-5230 | 1 | Pinion |
| 10:3 | 84-5440 | 1 | Ring-Rubber |
| 11 | 70-7900 | 1 | Bushing |
| 12 | 100-3444 | 1 | Housing-Lower Starter |
| 15 | 3296-2 | 2 | Nut-Lock |
| 16 | 32144-101 | 2 | Screw |
| 17 | 94-9933 | 1 | Plug-Power |
| 18 | 61-4810 | 1 | Boot-Switch |
| 19 | 61-4820 | 1 | Switch-Starter |
| 20 | 100-3441 | 1 | Switch-Base Housing |
| 21 | 100-3442 | 1 | Switch-Cap Housing |




# Engine, Side Plate and Wheel Assembly

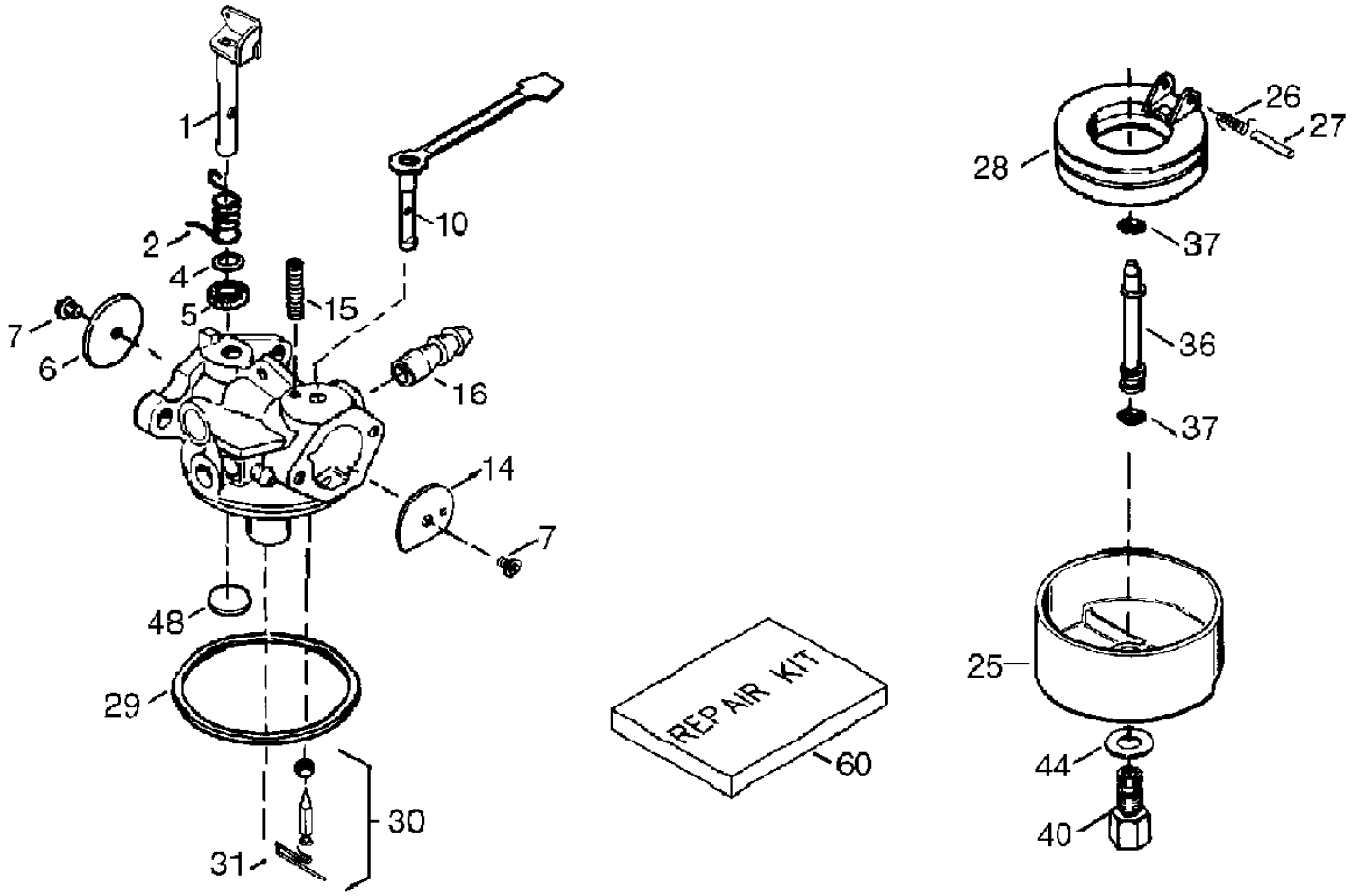
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 3296-56 | 1 | Nut-Lock, NI |
| 2 | 3256-58 | 1 | Washer-Flat |
| 3 | 80-0650 | 1 | Spacer-Tubular |
| 4 | 95-1903 | 1 | Ring-Isolator |
| 5 | 75-8980-03 | 1 | Bracket-Support, Engine |
| 6 | 3256-1 | 6 | Washer-Flat |
| 8 | 75-9100 | 1 | Bushing-Isolator |
| 9 | 94-2789 | 3 | Screw |
| 10 | 92-6012 | 1 | Bracket/stud ASM |
| 11 | 49-2483 | 1 | Line-Gas |
| 12 | 32144-27 | 3 | Screw-Plastite |
| 13 | 2412-98 | 2 | Clamp |
| 15 | 2412-91 | 1 | Clamp |
| 16 | 250-7 | 1 | Tie-Cable |
| 17 | 105-2953 | 1 | Starter ASM (120 Volt) |
| ❷18 | | 1 | Engine-Tecumseh, Hsk635-1723c |
| 19 | 80-0700 | 2 | Screw |
| 21 | 321-10 | 4 | Screw-HH |
| 22 | 23-3250 | 2 | Wheel |
| 23 | 3256-14 | 1 | Washer-Flat |
| 27 | 3290-320 | 2 | Retainer-Push On |
| 28 | 75-8910-03 | 1 | Bracket-Wheel, LH |
| 29 | 27-0062 | 1 | Axle |
| 30 | 3-7501 | 2 | Washer |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 31 | 3296-42 | 4 | Nut-Lock, NI |
| 32 | 3296-2 | 1 | Nut-Lock |
| 34 | 75-8820-03 | 1 | Plate-Side, RH |
| 35 | 32105-23 | 1 | Screw |
| 36 | 46-8094 | 3 | Screw-Plastite |
| 37 | 75-8900-03 | 1 | Bracket-Wheel, RH |
| 40 | 106-4741 | 1 | Cord-Electric |




# Handle and Lower Shroud Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 3 | 75-9070-03 | 1 | Handle-Upper |
| 8 | 92-2260 | 2 | Screw-Handle |
| 9 | 605120 | 2 | Nut-Clip |
| 10 | 3256-14 | 2 | Washer-Flat |
| 11 | 32144-34 | 2 | Screw-Forming, Thread |
| 12 | 32115-17 | 2 | Nut-Expansion |
| 13 | 75-8790 | 1 | Shroud |
| 14 | 75-9060-03 | 1 | Tube-Frame |
| 15 | 75-9130 | 2 | Washer-Curved |
| 16 | 106-4161 | 2 | Knob-Handle |
| 18 | 61-4790 | 1 | Decal |

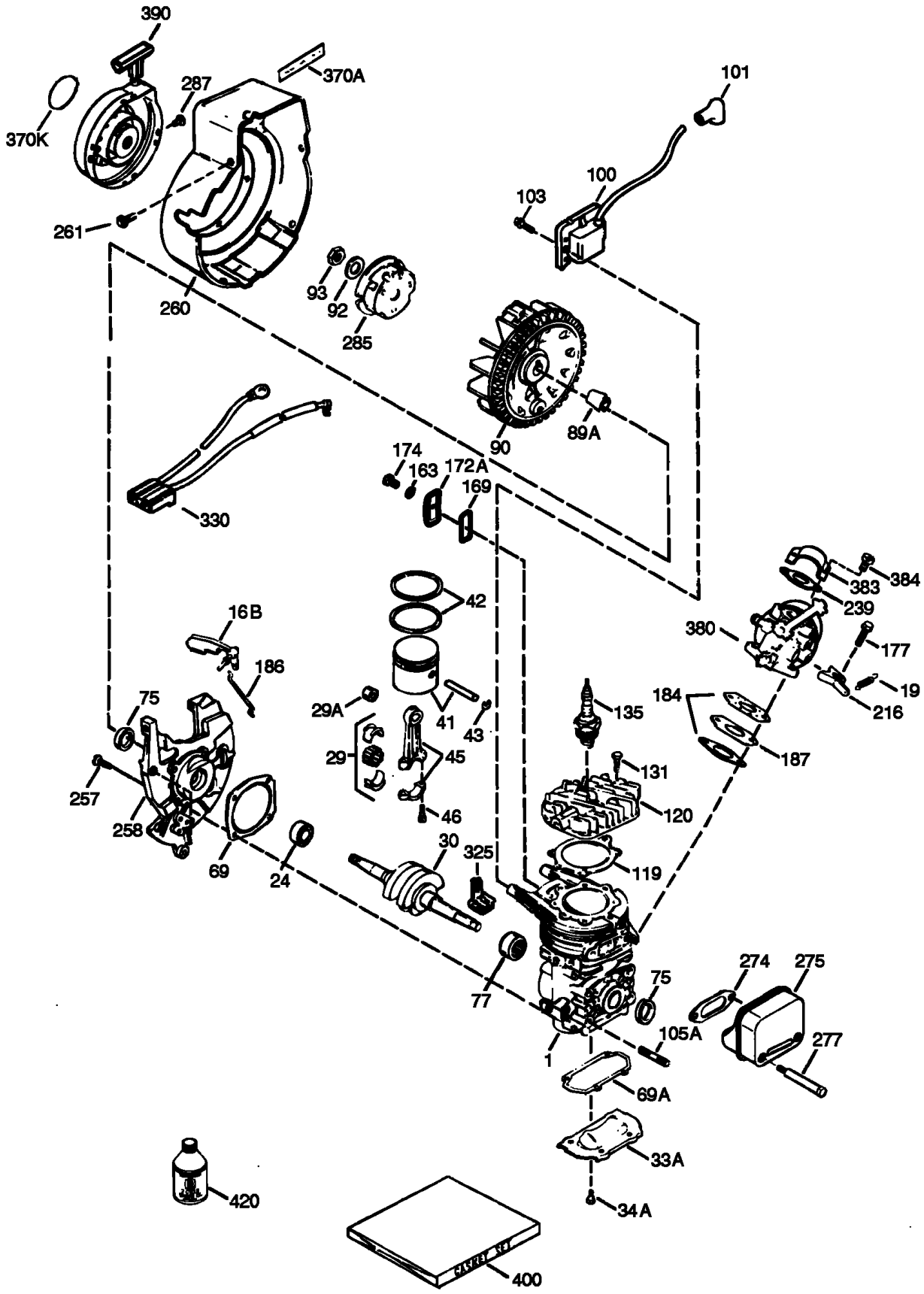



# Carburetor Assembly No. 640086
# Tecumseh Hsk635 Type 1723c

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 0 | 640086A | 1 | Carburetor (Incl. 184 Of Engine Parts List) |
| 1 | 632166A | 1 | Throttle Shaft And Lever Assembly |
| 2 | 632169 | 1 | Spring-Trottle, Return |
| 4 | 631184 | 1 | Washer-Dust Seal |
| 5 | 631183 | 1 | Seal-Dust, Throttle |
| 6 | 631616 | 1 | Throttle-Shutter |
| 7 | 650506 | 2 | Shutter-Screw |
| 10 | 632553 | 1 | Choke Shaft And Lever Assembly |
| 14 | 31837 | 1 | Shutter-Choke |
| 15 | 630735 | 1 | Spring-Choke, Positioning |
| 16 | 632164 | 1 | Fitting-Fuel |
| 25 | 631867 | 1 | Float-Bowl |
| 26 | 632386 | 1 | Spring-Float, Dampening |
| 27 | 631024 | 1 | Float-Shaft |
| 28 | 632019 | 1 | Float |
| 29 | 631028 | 1 | O-Ring-Bowl, Float |
| 30 | 631021 | 1 | Inlet Needle, Seat & Clip (Incl. 31) |
| 31 | 631022 | 1 | Clip-Spring |
| 36 | 640080 | 1 | Tube-Nozzle, Main |
| 37 | 632547 | 2 | O-Ring-Main Nozzle Tube |
| 40 | 640301 | 1 | Nut-Bowl, High Speed |
| 44 | 27110A | 1 | Washer-Nut, Bowl |
| 48 | 631027 | 1 | Welch Plug-Atmospheric Vent |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 60 | 632760 | 1 | Repair Kit |

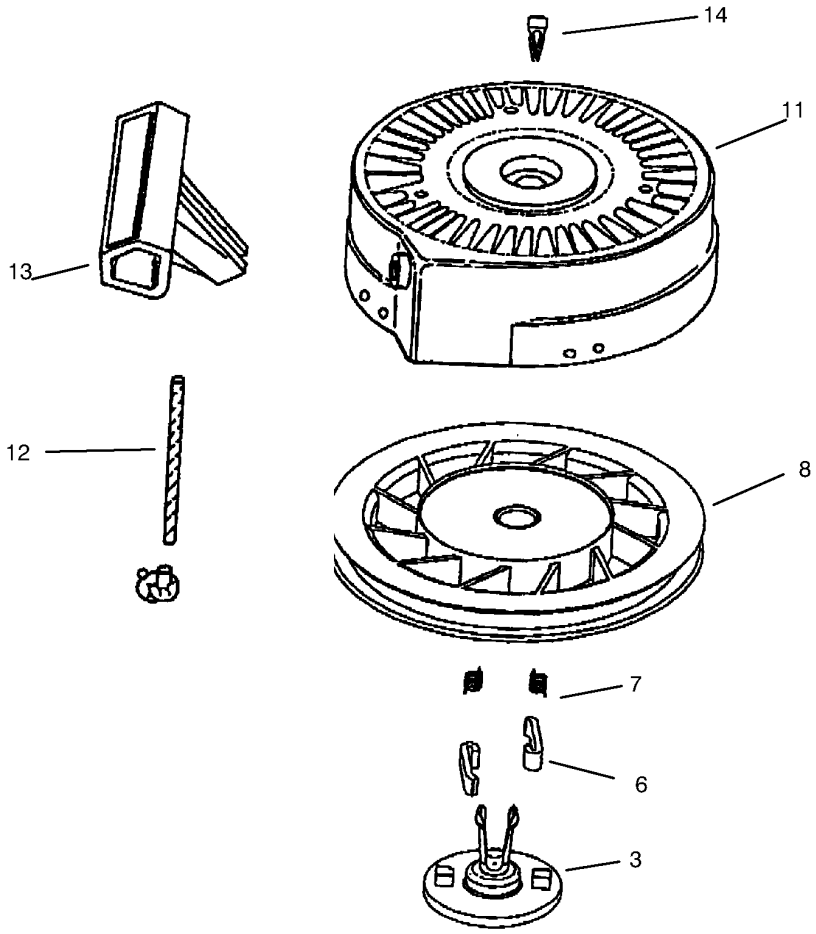
# Engine Assembly
# Tecumseh No. Hsk635 1723c



# Engine Assembly
# Tecumseh No. Hsk635 1723c

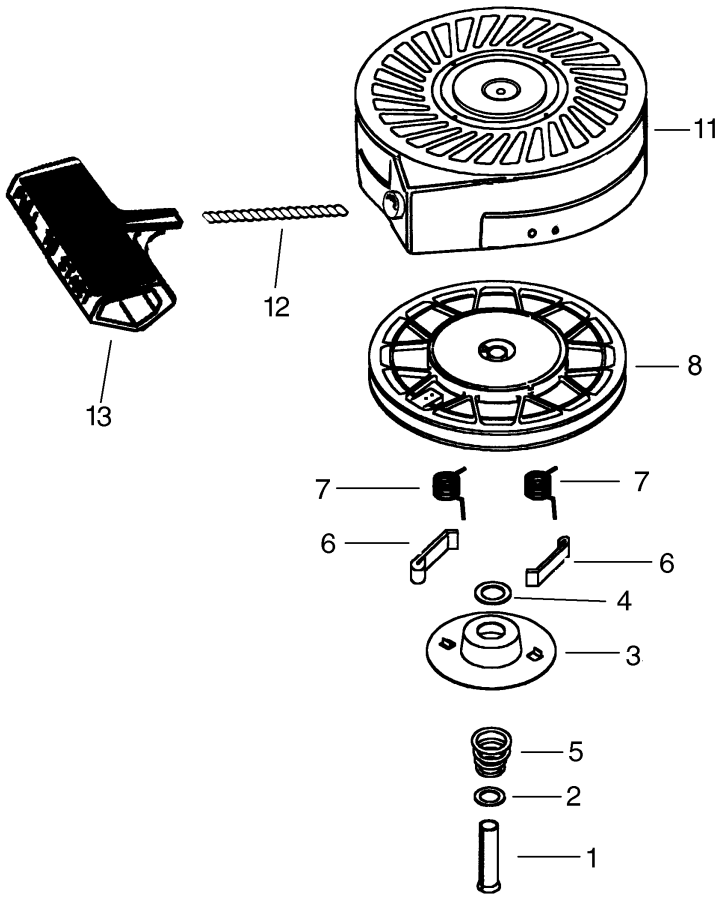
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 0 | 1 | Cylinder |
| 16B | 490291A | 1 | Vane-Air |
| 19 | 570707 | 1 | Spring-Extention |
| 24 | 530110 | 1 | Bearing-Ball |
| 29 | 530150 | 1 | Needle Bearing And Liner Set (37 Needles) |
| 29A | 530104A | 1 | Bearing-Cartridge |
| 30 | 290602 | 1 | Crankshaft |
| 33A | 570644 | 1 | Plate-Cover |
| 34A | 650579 | 4 | Screw, T-25, 10-24 X 1/2” |
| 41 | 310283A | 1 | Piston & Pin Ass’y. (Incl. 43) |
| 42 | 310289 | 2 | Ring Set |
| 43 | 310167 | 2 | Ring-Retaning |
| 45 | 310235B | 1 | Connecting Rod Ass’y. (Incl. 29, 29a, & 46) |
| 46 | 650633 | 2 | Bolt-Rod, Connecting |
| 69 | 510292A | 1 | Gasket-Cover, Cylinder |
| 69A | 510323A | 1 | Gasket-Plate, Cover |
| 75 | 510319 | 2 | Seal-Oil |
| 77 | 530105 | 1 | Bearing-Cartridge |
| 89A | 611032 | 1 | Sleve-Adapter |
| 90 | 611066 | 1 | Flywheel |
| 92 | 650815 | 1 | Washer-Belleville |
| 93 | 650390 | 1 | Nut-Flywheel |
| 100 | 34443B | 1 | Solid State Ignition (Incl. 101) |
| 101 | 610118 | 1 | Cover-Spark Plug |
| 103 | 651007 | 2 | Screw, T-15, 10-24 X 15/16” |
| 105A | 650796 | 4 | Stud |
| 119 | 510274A | 1 | Gasket-Cylinder Head |
| 120 | 250240B | 1 | Head-Cylinder |
| 131 | 650477 | 5 | Screw, T-30, 1/4-20 X 3/4” |
| 135 | 611049 | 1 | Plug-Spark, Resister (Rcj8y) |
| 163 | 650838 | 1 | Washer |
| 169 | 510325A | 1 | Cover, Compression Release |
| 172A | 570708 | 1 | Cover-Compression Release |
| 174 | 650579 | 1 | Screw, T-25, 10-24 X 1/2” |
| 177 | 650959 | 2 | Screw, 5/32, 1/4-20 X 1” |
| 184 | 510326A | 2 | Gasket-Carburetor |
| 186 | 490322 | 1 | Governor-Link |
| 187 | 570438A | 1 | Spacer |
| 216 | 570645 | 1 | Lever-Adjusting, Rpm |
| 239 | 35815 | 1 | Gasket-Air Cleaner |
| 257 | 650911 | 4 | Screw, T-30, 1/4-20 X 5/8” |
| 258 | 350422 | 1 | Base-Housing,blower (Incl.75) |
| 260 | 350437 | 1 | Housing-Blower |
| 261 | 650737 | 4 | Screw, 1/4-20 X 1/2” |
| 274 | 510207A | 1 | Gasket-Exhaust |
| 275 | 390332 | 1 | Muffler (Incl. 274 & 277) |
| 277 | 650869 | 2 | Screw, 1/4-20 X 2-3/4” |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 285 | 590551A | 1 | Cup-Starter |
| 287 | 650926 | 3 | Screw, 8-32 X 21/64” |
| 325 | 29443 | 1 | Clip-Wire |
| 330 | 611131A | 1 | Harness-Wire |
| 370A | 36261 | 1 | Decal-Instruction |
| 370K | 36695 | 1 | Decal-Starter |
| 380 | 640086A | 1 | Carburetor (Incl. 184) |
| 383 | 570434 | 1 | Baffle-Carburetor |
| 384 | 650431 | 2 | Screw, T-25, 10-32 X 5/8” |
| 390 | 590743 | 1 | Rewind Starter Assembly |
| 400 | 510324B | 1 | Gasket Set |
| 420 | 730227B | 1 | 2-Cycle Oil (8 Oz.) |




# Recoil Starter Assembly No. 590743
# Tecumseh Hsk635 Type 1723c

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❶0 | 590743 | 1 | Rewind Starter Assembly |
| 3 | 590740 | 1 | Retainer |
| 6 | 590616 | 2 | Dog-Starter |
| 7 | 590617 | 2 | Spring-Dog |
| 8 | 590645A | 1 | Pulley And Rewind Spring Assembly |
| 11 | 590643A | 1 | Starter Housing Assembly |
| 12 | 590535 | 1 | Rope-Starter |
| 13 | 590701 | 1 | Handle-Starter |
| 14 | 590760 | 1 | Clip-Spring |




# Recoil Starter Assembly No. 590712

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 0 | 590712 | 1 | Rewind Starter Assembly (Optional) |
| 1 | 590599A | 1 | Spring Pin (Incl. 4) |
| 2 | 590600 | 1 | Washer |
| 3 | 590696 | 1 | Retainer |
| 4 | 590601 | 1 | Washer |
| 5 | 590697 | 1 | Spring-Brake |
| 6 | 590698 | 2 | Dog-Starter |
| 7 | 590699 | 2 | Spring-Dog |
| 8 | 590709 | 1 | Pulley And Rewind Spring Assembly |
| 11 | 590713 | 1 | Starter Housing Assembly |
| 12 | 590535 | 1 | Rope-Starter |
| 13 | 590701 | 1 | Handle-Starter |

# NOTES

# NOTES


TORO®