



## CCR<sup>™</sup> 1000E Snowthrower

Model No. 38405—210000001 and Up

### Parts Catalog

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#### 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.

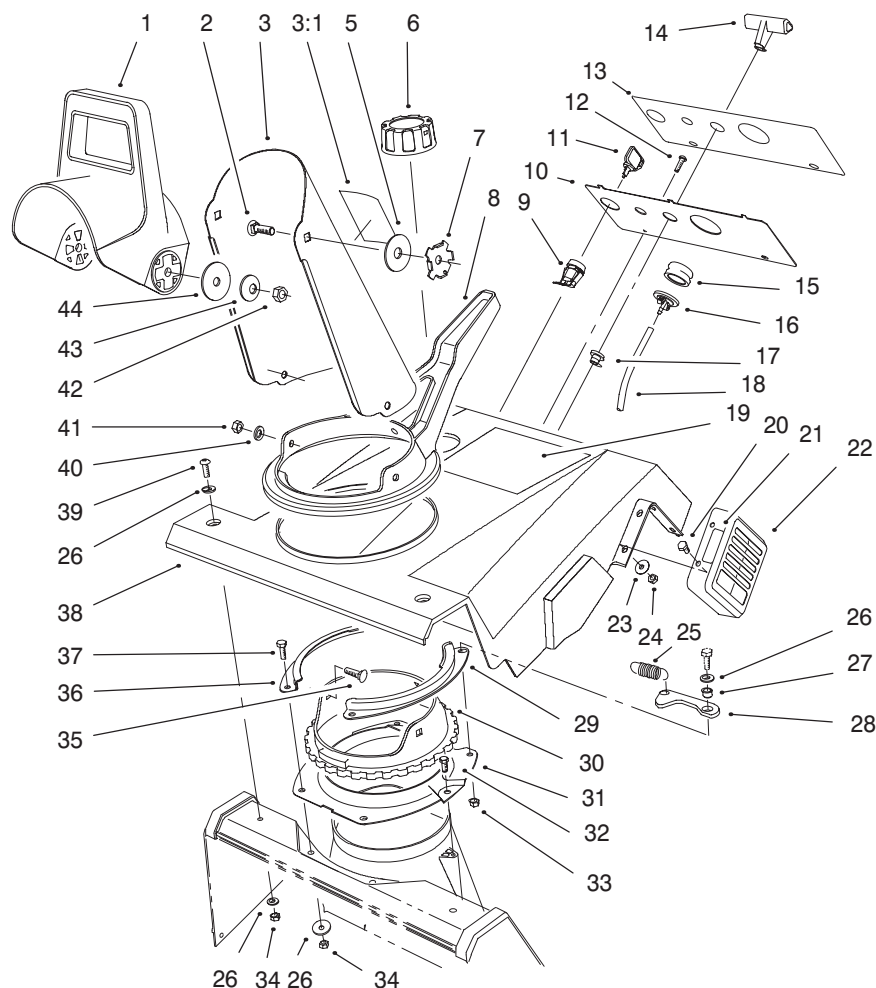
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## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

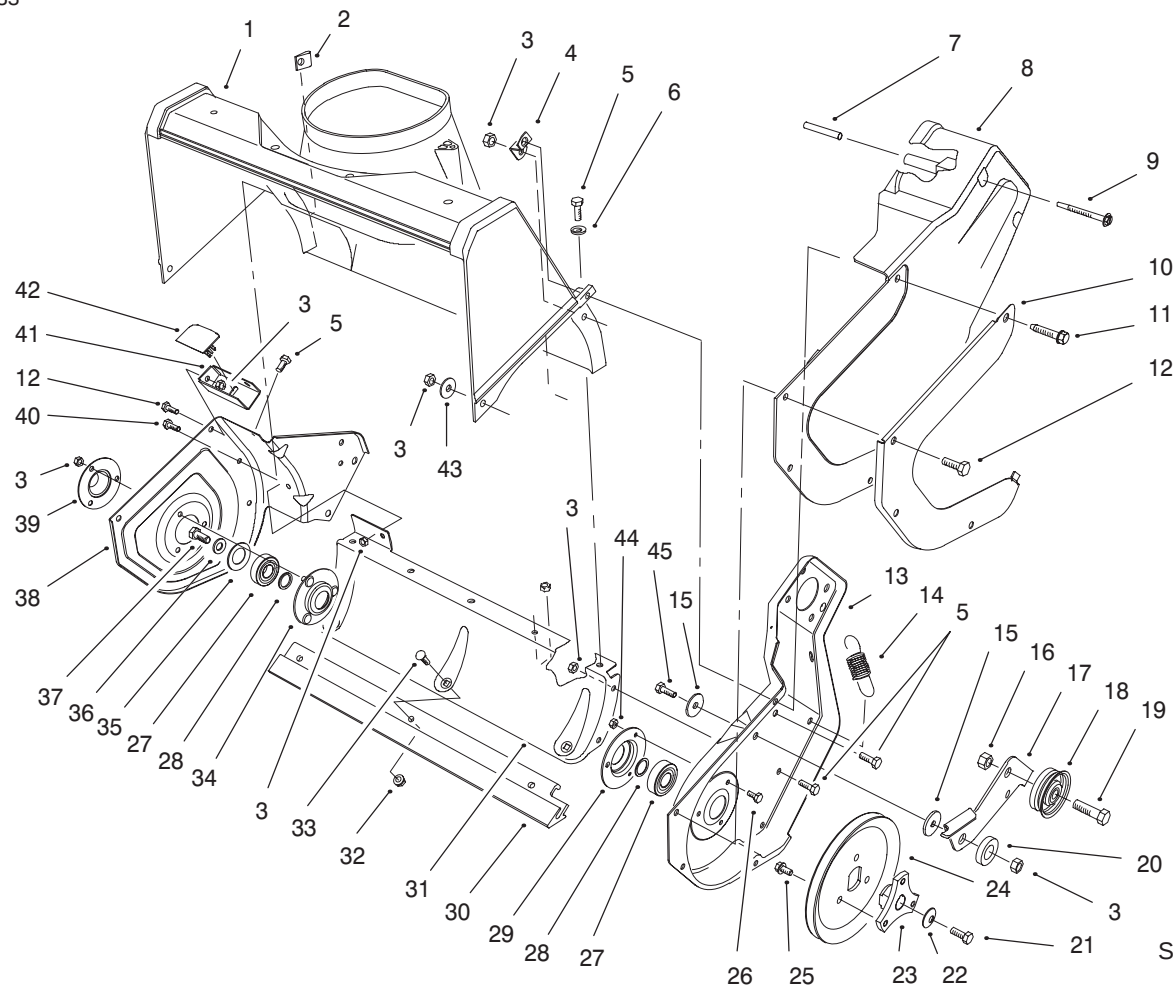
| Abbreviation | Meaning                           | Abbreviation | Meaning                 |
|--------------|-----------------------------------|--------------|-------------------------|
| AR .....     | as required                       | INC .....    | incorporated            |
| ASM .....    | assembly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



Sheet No.:2

## Deflector & Control Panel Assembly

| Ref. No. | Part No.   | Qty. | Description             | Ref. No. | Part No.   | Qty. | Description              |
|----------|------------|------|-------------------------|----------|------------|------|--------------------------|
| 1        | 56-2680    | 1    | Chute-Deflector         | 26       | 3256-22    | 7    | Washer-Flat              |
| 2        | 3230-22    | 2    | Screw-CARR              | 27       | 55-9370    | 1    | Spacer-Blade, Rotor      |
| 3        | 104-4115   | 1    | Chute-Discharge w/Decal | 28       | 80-4610    | 1    | Detent                   |
| 3:1      | 104-4135   | 1    | Decal-Danger            | 29       | 71-4980-03 | 1    | LH Chute Ring Retr       |
| 5        | 20-4320    | 2    | Washer-Rubber           | 30       | 104-2763   | 1    | Ring-Chute               |
| 6        | 55-3573    | 1    | Cap-Fuel ASM            | 31       | 55-8921-03 | 1    | Ring-Support, Chute      |
| 7        | 55-8950    | 2    | Plate-Friction          | 32       | 46-8092    | 2    | Screw-Plastite           |
| 8        | 71-4940    | 1    | Chute - Handle          | 33       | 3296-56    | 1    | Nut-Lock, NI             |
| 9        | 40-5940    | 1    | Switch-On/Off           | 34       | 3296-42    | 5    | Nut-Lock                 |
| 10       | 71-5241-03 | 1    | Control Panel           | 35       | 100-5488   | 3    | Screw-Pth                |
| 11       | 63-8360    | 1    | Key-Ignition            | 36       | 71-4990-03 | 1    | Retaining-Ring, Chute RH |
| 12       | 32144-53   | 2    | Screw TAP               | 37       | 321-4      | 4    | Screw-HH                 |
| 13       | 104-2786   | 1    | Decal-Control Panel     | 38       | 80-4811    | 1    | Shroud-Upper             |
| 14       | 92-4853    | 1    | Handle-Starter          | 39       | 3250-32    | 2    | Screw-PPH                |
| 15       | 66-7460    | 1    | Bulb-Primer             | 40       | 3256-70    | 3    | Washer-Flat              |
| 16       | 44-2750    | 1    | Body-Primer             | 41       | 32149-1    | 3    | Nut-Keps                 |
| 17       | 23-7470    | 1    | Guide-Starter Rope      | 42       | 3296-29    | 2    | Nut-Lock                 |
| 18       | 44-3173    | 1    | Hose-Primer             | 43       | 3290-456   | 2    | Washer-Belleville        |
| 19       | 100-3558   | 1    | Decal-Ccr1000e          | 44       | 3256-68    | 2    | Washer-Flat              |
| 20       | 3290-359   | 4    | Screw-HWH               |          |            |      |                          |
| 21       | 104-2767   | 1    | Decal-Hot Surface       |          |            |      |                          |
| 22       | 71-5340-03 | 1    | Guard-Muffler           |          |            |      |                          |
| 23       | 3256-61    | 4    | Washer-Flat             |          |            |      |                          |
| 24       | 3296-2     | 4    | Nut-Lock                |          |            |      |                          |
| 25       | 80-4600    | 1    | Spring - Detent         |          |            |      |                          |

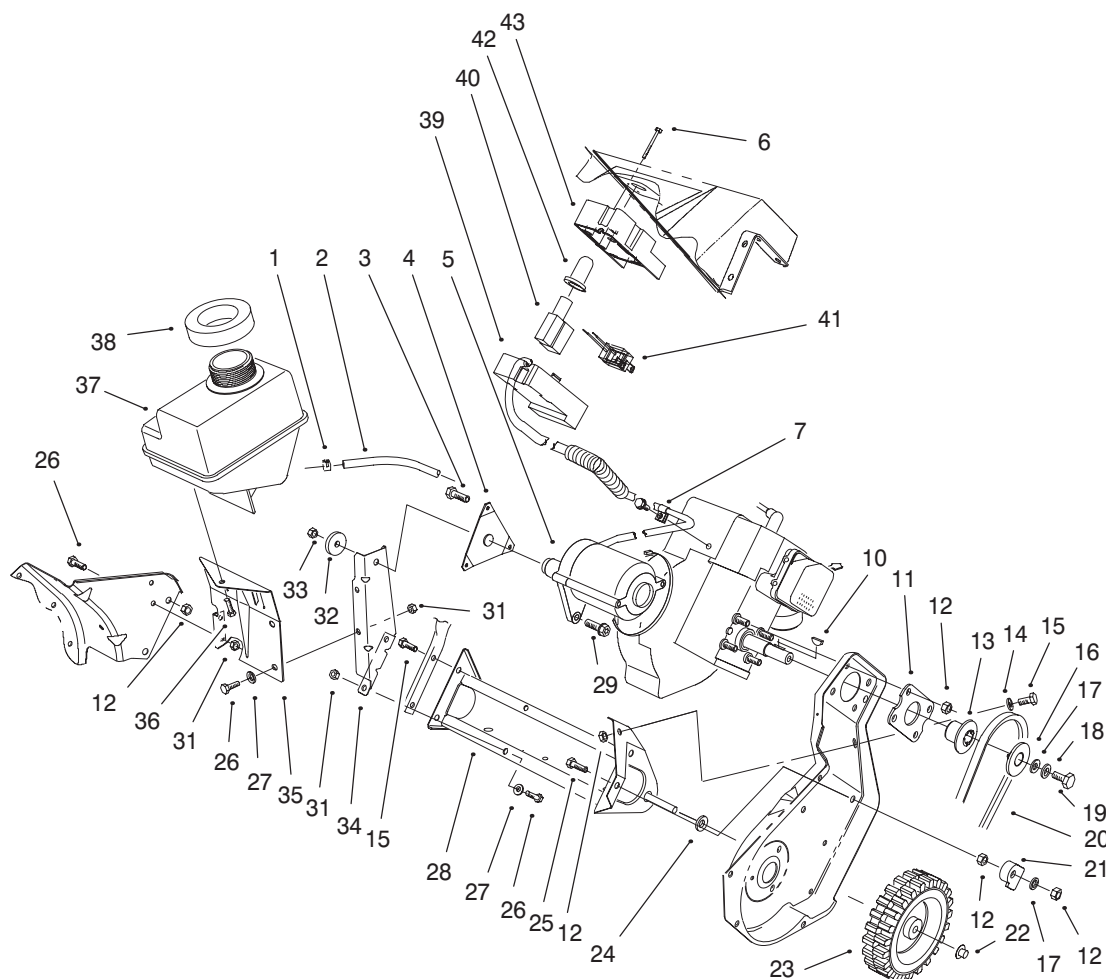


Sheet No.:3

## Housing & Side Plate Assembly

| Ref. No. | Part No.   | Qty. | Description          |
|----------|------------|------|----------------------|
| 1        | 55-8700    | 1    | Housing              |
| 2        | 32115-14   | 1    | Speed Nut            |
| 3        | 3296-42    | 21   | Nut-Lock             |
| 4        | 55-9430    | 1    | Bracket-Housing      |
| 5        | 321-4      | 10   | Screw-HH             |
| 6        | 3256-22    | 5    | Washer-Flat          |
| 7        | 57-3830    | 2    | Tubular Spacer       |
| 8        | 71-5030    | 1    | Drive Cover          |
| 9        | 71-5350    | 2    | Screw Thread Forming |
| 10       | 71-5150-03 | 1    | Edge Guard           |
| 11       | 36-3860    | 1    | Screw                |
| 12       | 32105-15   | 7    | Screw                |
| 13       | 71-4911-03 | 1    | Left Sideplate       |
| 14       | 71-5470    | 1    | Spring-Brake         |
| 15       | 3256-55    | 2    | Washer-Flat          |
| 16       | 3296-39    | 1    | Nut-Lock, NI         |
| 17       | 71-5160    | 1    | Brake Arm Idler      |
| 18       | 71-5260    | 1    | Pulley-Idler         |
| 19       | 323-44     | 1    | Screw-HH             |
| 20       | 80-4620    | 1    | Spacer               |
| 21       | 321-30     | 1    | Screw-HH             |
| 22       | 3290-456   | 1    | Washer-Belleville    |
| 23       | 71-5070    | 1    | Hub-Mounting, Pulley |
| 24       | 71-5410    | 1    | Rotor Pulley         |
| 25       | 12-3270    | 3    | Screw                |
| 26       | 32105-8    | 3    | Screw                |

| Ref. No. | Part No.   | Qty. | Description                |
|----------|------------|------|----------------------------|
| 27       | 38-7820    | 2    | Bearing-Ball               |
| 28       | 52-7280    | 2    | Washer-Thrust              |
| 29       | 38-8620    | 1    | Flange-Bearing             |
| 30       | 71-5390    | 1    | Scraper                    |
| 31       | 71-4930-03 | 1    | Lower Housing              |
| 32       | 32128-10   | 3    | Locknut-Flange             |
| 33       | 3229-11    | 3    | Screw-CARR                 |
| 34       | 52-9110    | 1    | Flange-Bearing             |
| 35       | 52-7270    | 1    | Washer-Rubber              |
| 36       | 3256-24    | 1    | Washer-Flat                |
| 37       | 3234-25    | 1    | Bolt-Flange                |
| 38       | 71-4920-03 | 1    | RH Sideplate               |
| 39       | 52-7290-03 | 1    | Retainer-Bearing           |
| 40       | 321-39     | 1    | Screw-HH                   |
| 41       | 71-5310-03 | 1    | Support-Bracket, Sideplate |
| 42       | 71-5270    | 1    | Bracket Cover              |
| 43       | 3256-67    | 2    | Washer-Flat                |
| 44       | 3296-2     | 3    | Nut-Lock                   |
| 45       | 321-6      | 1    | Screw-HH                   |

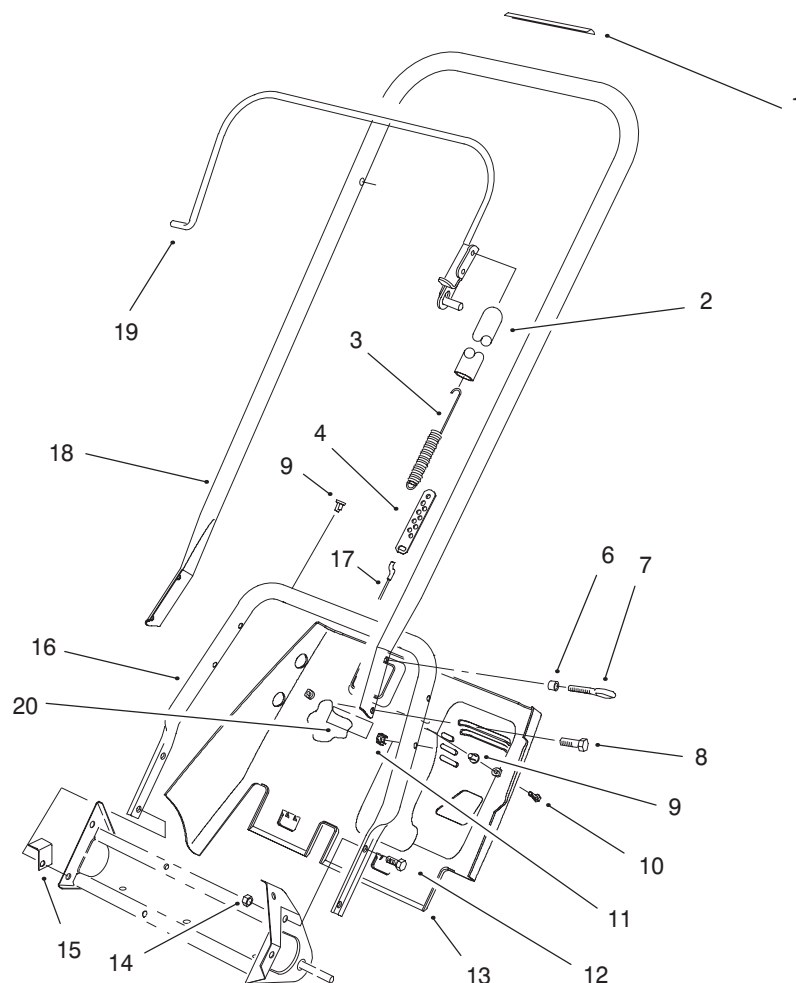


Sheet No.:4

## Engine & Gas Tank Assembly

| Ref. No. | Part No.   | Qty. | Description                  | Ref. No. | Part No.   | Qty. | Description            |
|----------|------------|------|------------------------------|----------|------------|------|------------------------|
| 1        | 2412-98    | 2    | Clamp                        | 23       | 23-3250    | 2    | Wheel                  |
| 2        | 49-2482    | 1    | Line-Fuel                    | 24       | 71-5440    | 2    | Spacer-Wheel           |
| 3        | 3255-10    | 1    | Washer-Lock/Ext              | 25       | 322-5      | 1    | Screw-HH               |
| 3        | 92-6031    | 1    | Screw                        | 26       | 321-4      | 6    | Screw-HH               |
| 3        | 94-2789    | 3    | Screw                        | 27       | 3256-22    | 4    | Washer-Flat            |
| 4        | 92-6012    | 1    | Bracket/Stud ASM             | 28       | 71-5200-03 | 1    | Frame                  |
| 5        | 77-0401    | 1    | Motor & Switch Housing ASM   | 29       | 80-0700    | 2    | Screw - Mtg Torx       |
| 6        | 32144-27   | 3    | Screw-Plastite               | 31       | 3296-42    | 6    | Nut-Lock               |
| 7        | 2412-91    | 1    | Clamp                        | 32       | 71-5320    | 1    | Washer-Support, Engine |
| 9        |            | 1    | Engine-Tecumseh Hsk635-17214 | 33       | 3296-16    | 1    | Nut-Lock, NI           |
| 9:3      | 92-4853    | 1    | Handle-Starter               | 34       | 71-5210-03 | 1    | Support-Engine         |
| 10       | 3257-3     | 1    | Key-Woodruff                 | 35       | 71-5220-03 | 1    | Bracket-Tank           |
| 11       | 71-5290-03 | 1    | Plate-Engine                 | 36       | 32144-53   | 1    | Screw TAP              |
| 12       | 3296-29    | 8    | Nut-Lock                     | 37       | 71-5020    | 1    | Fuel Tank              |
| 13       | 71-5050    | 1    | Hub - Half Sheave            | 38       | 55-9310    | 1    | Seal-Foam              |
| 14       | 3256-23    | 1    | Washer-Flat                  | 39       | 100-3441   | 1    | Switch-Base Housing    |
| 15       | 322-3      | 3    | Screw-HH                     | 40       | 61-4820    | 1    | Switch, Starter        |
| 16       | 71-5060    | 1    | Cap - Half Sheave            | 41       | 94-9933    | 1    | Plug-Power             |
| 17       | 3256-71    | 2    | Washer-Flat                  | 42       | 61-4810    | 1    | Boot, Switch           |
| 18       | 3290-456   | 1    | Washer-Belleville            | 43       | 100-3442   | 1    | Switch-Cap Housing     |
| 19       | 3235-6     | 1    | Screw-Hex Hd                 | *99      | 28-9170    | 1    | Cord                   |
| 20       | 71-5381    | 1    | V-Belt                       |          |            |      |                        |
| 21       | 84-5610    | 1    | Guide-Cable                  |          |            |      |                        |
| 22       | 3290-320   | 2    | Retainer-Push On             |          |            |      |                        |

\* Not illustrated

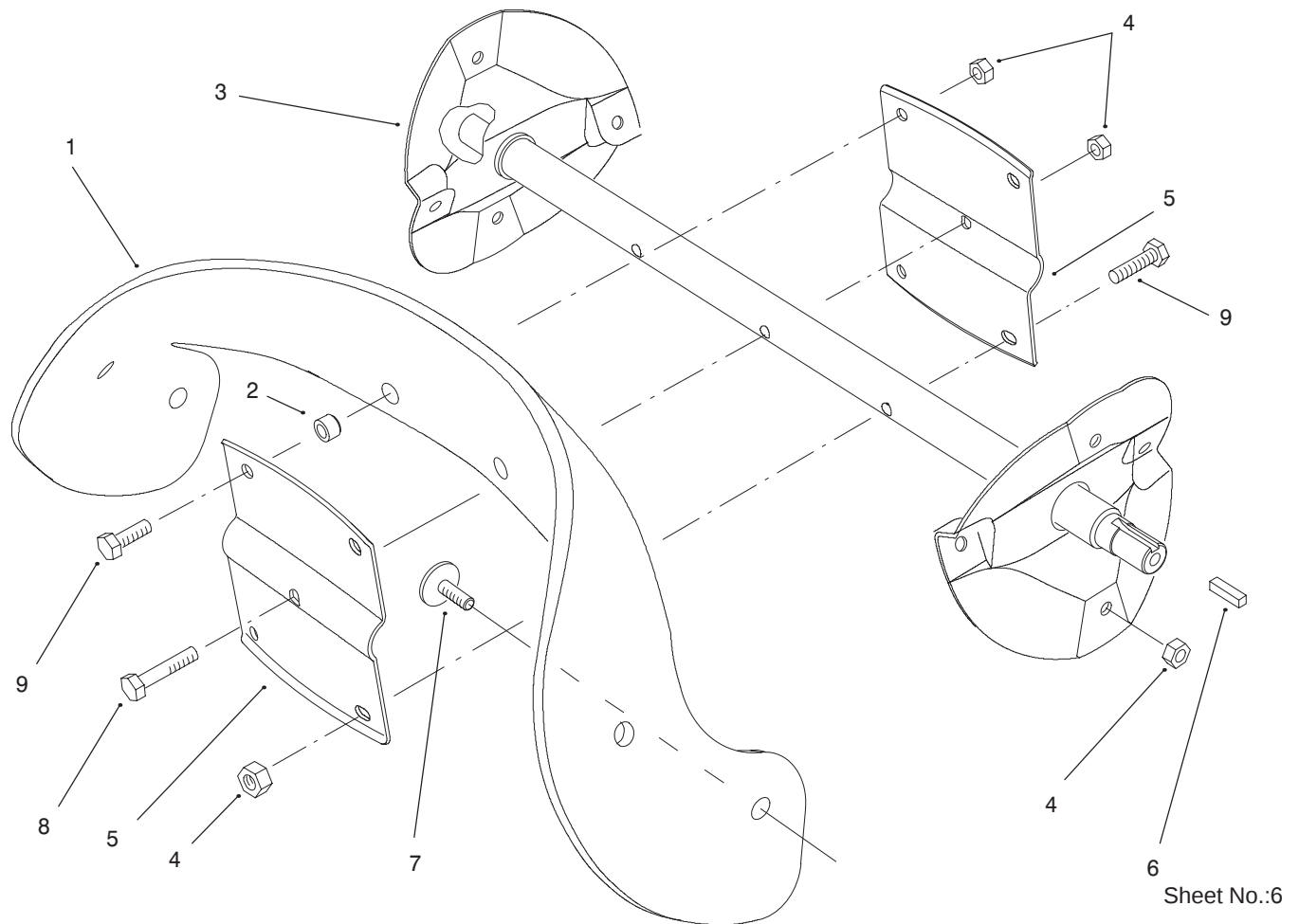


Sheet No.:5

## Handle Assembly

| Ref. No. | Part No.   | Qty. | Description                |
|----------|------------|------|----------------------------|
| 1        | 104-2775   | 1    | Decal-Rotor Drive          |
| 2        | 71-5530    | 1    | Spring Cover               |
| 3        | 71-5480    | 1    | Clutch Spring              |
| 4        | 71-5330    | 1    | Clutch Cable Adjuster      |
| 6        | 55-9370    | 1    | Spacer-Blade, Rotor        |
| 7        | 3299-1     | 1    | Eyebolt                    |
| 8        | 32105-11   | 3    | Screw-Hex Hd Slot          |
| 9        | 3290-486   | 5    | Expansion Type<br>Fastener |
| 10       | 32144-53   | 3    | Screw TAP                  |
| 11       | 3290-225   | 4    | Tinnerman Nut              |
| 12       | 322-3      | 2    | Screw-HH                   |
| 13       | 71-5040    | 1    | Lower Shroud               |
| 14       | 3296-29    | 2    | Nut-Lock                   |
| 15       | 71-5600    | 1    | Shroud Bracket             |
| 16       | 71-5370-03 | 1    | Tube-Handle, Lower         |
| 17       | 55-9322    | 1    | Cable-Clutch               |
| 18       | 100-3599   | 1    | Upper Handle ASM           |
| 18:1     | 66-6870    | 1    | Decal - Rotor Drive        |
| 19       | 71-5120-03 | 1    | Bail                       |
| 20       | 61-4790    | 1    | Decal                      |

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

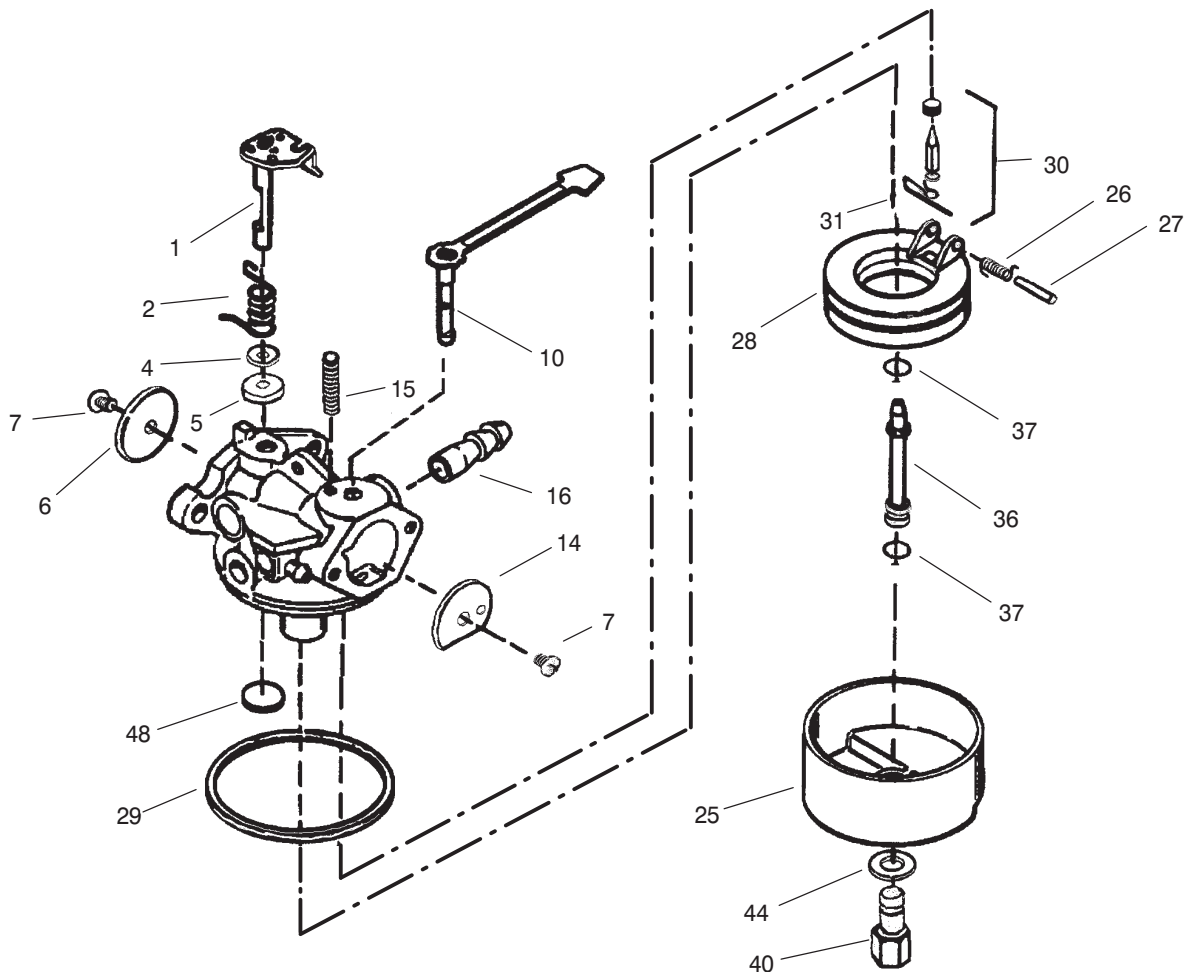


## Rotor Assembly

| Ref. No. | Part No.    | Qty. | Description         |
|----------|-------------|------|---------------------|
| 1        | 104-2753    | 2    | Blade-Rotor         |
| 2        | 55-9370     | 4    | Spacer-Blade, Rotor |
| 3        | 100-5478-03 | 1    | Rotor               |
| 4        | 3296-56     | 13   | Nut-Lock, NI        |
| 5        | 66-6600-03  | 2    | Rotor Half          |
| 6        | 10-8040     | 1    | Key-Square          |
| 7        | 84-1971     | 8    | Screw               |
| 8        | 321-8       | 1    | Screw-HH            |
| 9        | 321-4       | 4    | Screw-HH            |

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



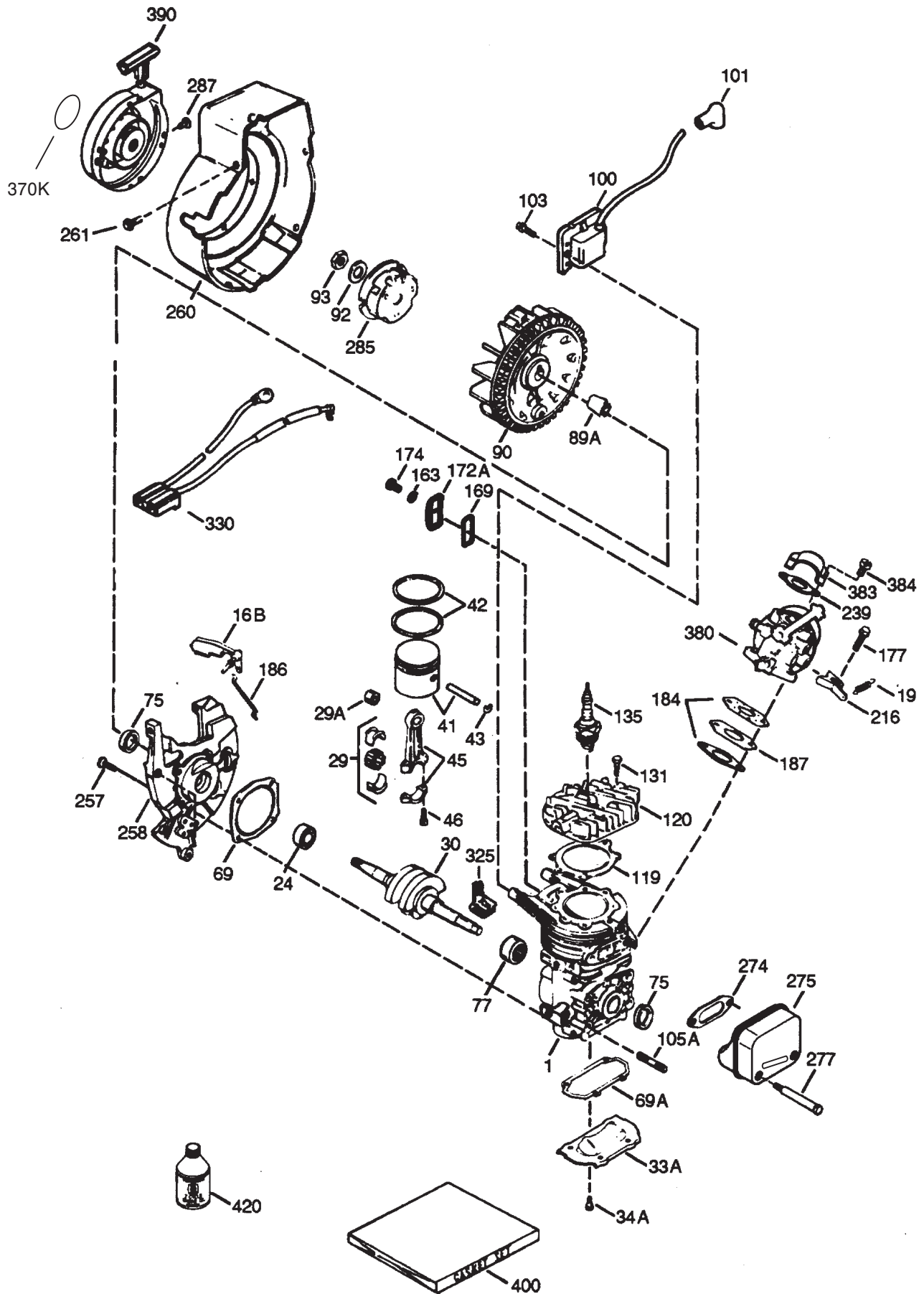


## Carburetor No. 640086

| Ref. No. | Part No. | Qty. | Description                                |
|----------|----------|------|--------------------------------------------|
| 1        | 632166A  | 1    | Throttle Shaft & Lever ASM                 |
| 2        | 632169   | 1    | Throttle Return Spring                     |
| 4        | 631184   | 1    | Dust Seat Washer                           |
| 5        | 631183   | 1    | Dust Seat (Throttle)                       |
| 6        | 631621   | 1    | Throttle Shutter                           |
| 7        | 650506   | 2    | Shutter Screw                              |
| 10       | 632553   |      | Choke Shaft & Lever ASM                    |
| 14       | 631815   | 1    | Choke Shutter                              |
| 15       | 630735   | 1    | Choke Positioning Spring                   |
| 16       | 632164   | 1    | Fuel Fitting                               |
| 25       | 631867   | 1    | Float Bowl                                 |
| 26       | 632386   | 1    | Float Dampening Spring                     |
| 27       | 631024   | 1    | Float shaft                                |
| 28       | 632019   | 1    | Float                                      |
| 29       | 631028   | 1    | Float Bowl "O" Ring                        |
| 30       | 631021   | 1    | Inlet Needle, Seat & Clip (Incl. Ref. #31) |
| 31       | 631022   | 1    | Spring Clip                                |
| 36       | 640080   | 1    | Main Nozzle Tube                           |
| 37       | 632547   | 1    | "O" Ring, Main Nozzle Tube                 |
| 40       | 640087   | 1    | High Speed Bowl Nut                        |

| Ref. No. | Part No. | Qty. | Description     |
|----------|----------|------|-----------------|
| 44       | 27110    | 1    | Bowl Nut Washer |
| 48       | 631027   | 1    | Welch Plug      |

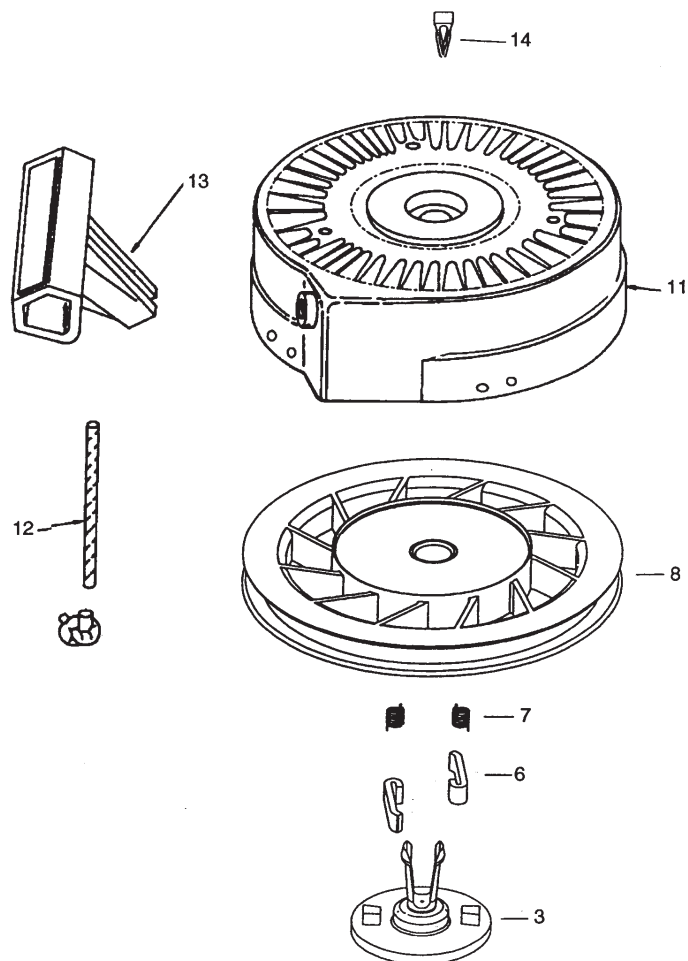
# Engine Tecumseh Model No. HSK635-1721A



# Engine Tecumseh Model No. HSK635-1721A

| Ref. No. | Part No. | Qty. | Description                                    | Ref. No. | Part No. | Qty. | Description                  |
|----------|----------|------|------------------------------------------------|----------|----------|------|------------------------------|
| 1        | Cylinder | 1    | (Order Short Block if Replacement is needed)   | 330      | 611153   | 1    | Wire Harness                 |
| 16B      | 490291A  | 1    | Air Vane                                       | 370K     | 36695    | 1    | Starter Decal                |
| 19       | 570707   | 1    | Extension Spring                               | 380      | 640086   | 1    | Carburetor (Incl. Ref. #184) |
| 24       | 530110   | 1    | Ball Bearing                                   | 383      | 570434   | 1    | Spit Cup                     |
| 29       | 530150   | 1    | Needle Bearing & Liner Set (37 Needles)        | 384      | 650431   | 2    | Screw, Torx T-25             |
| 29A      | 530104A  | 1    | Cartridge Bearing                              | 390      | 590743   | 1    | Rewind Starter               |
| 30       | 290602   | 1    | Crankshaft                                     | 400      | 510324B  | 1    | Gasket Set                   |
| 33A      | 570644   | 1    | Cover Plate                                    | 420      | 730227A  | 1    | 2-Cycle Oil (8 oz.)          |
| 34A      | 650579   | 4    | Screw, Torx T-25                               |          |          |      |                              |
| 41       | 310283A  | 1    | Piston & Pin ASM                               |          |          |      |                              |
| 42       | 310190   | 2    | Ring Set                                       |          |          |      |                              |
| 43       | 310167   | 2    | Piston Pin Retaining Ring                      |          |          |      |                              |
| 45       | 310235B  | 1    | Connecting Rod ASM (Incl. Ref. #29, 29A, & 46) |          |          |      |                              |
| 46       | 650633   | 4    | Connecting Rod Bolt                            |          |          |      |                              |
| *69      | 510292A  | 1    | Cylinder Cover Gasket                          |          |          |      |                              |
| *69A     | 510323A  | 1    | Cover Plate Gasket                             |          |          |      |                              |
| 75       | 510319   | 2    | Oil Seal                                       |          |          |      |                              |
| 77       | 530105   | 1    | Cartridge Bearing                              |          |          |      |                              |
| 89A      | 611032   | 1    | Adapter Sleeve                                 |          |          |      |                              |
| 90       | 611066   | 1    | Flywheel                                       |          |          |      |                              |
| 92       | 650815   | 1    | Belleville Washer                              |          |          |      |                              |
| 93       | 650390   | 1    | Flywheel Nutt                                  |          |          |      |                              |
| 100      | 34443B   | 1    | Solid State Ignition (Incl. Ref. #101)         |          |          |      |                              |
| 101      | 610118   | 1    | Spark Plug Cover                               |          |          |      |                              |
| 103      | 651007   | 2    | Screw, Torx T-15                               |          |          |      |                              |
| 105A     | 650796   | 4    | Stud                                           |          |          |      |                              |
| *119     | 510274A  | 1    | Cylinder Head Gasket                           |          |          |      |                              |
| 120      | 250240B  | 1    | Cylinder Head                                  |          |          |      |                              |
| 131      | 650477   | 5    | Screw, Torx T-30                               |          |          |      |                              |
| 135      | 611049   | 1    | Resistor Spark Plug                            |          |          |      |                              |
| 163      | 650838   | 1    | Washer                                         |          |          |      |                              |
| *169     | 510325A  | 1    | Cover Plate Gasket                             |          |          |      |                              |
| 172A     | 570708   | 1    | Compression Release Cover                      |          |          |      |                              |
| 174      | 650579   | 1    | Screw, Torx T-25                               |          |          |      |                              |
| 177      | 650959   | 2    | Screw                                          |          |          |      |                              |
| *184     | 510326A  | 2    | Carburetor Gasket                              |          |          |      |                              |
| 186      | 490322   | 1    | Governor Link                                  |          |          |      |                              |
| 187      | 570438A  | 1    | Spacer                                         |          |          |      |                              |
| 216      | 570645   | 1    | R.P.M. Adjusting Lever                         |          |          |      |                              |
| 239      | 35815    | 1    | Air Cleaner Gasket                             |          |          |      |                              |
| 257      | 650911   | 4    | Screw, Torx T-30                               |          |          |      |                              |
| 258      | 350422   | 1    | Blower Housing Base (Incl. Ref. #27)           |          |          |      |                              |
| 260      | 350437   | 1    | Blower Housing                                 |          |          |      |                              |
| 261      | 650737   | 4    | Screw                                          |          |          |      |                              |
| *274     | 513067A  | 1    | Exhaust Gasket                                 |          |          |      |                              |
| 275      | 390330   | 1    | Muffler (Incl. Ref. #274 & 277)                |          |          |      |                              |
| 277      | 650869   | 2    | Screw                                          |          |          |      |                              |
| 285      | 590551A  | 1    | Starter Cup                                    |          |          |      |                              |
| 287      | 650926   | 3    | Screw                                          |          |          |      |                              |
| 325      | 29443    | 1    | Wire Clip                                      |          |          |      |                              |

\*Included in Gasket Set No. 510324B



# Recoil Starter No. 590743

| Ref. No. | Part No. | Qty. | Description                  |
|----------|----------|------|------------------------------|
| 0        | 590743   | 1    | Rewind Starter               |
| 3        | 590740   | 1    | Retainer                     |
| 6        | 590616   | 2    | Starter Dog                  |
| 7        | 590617   | 2    | Dog Spring                   |
| 8        | 590645A  |      | Pulley & Rewind Spring       |
|          |          | 1    | ASM                          |
| 11       | 590643   | 1    | Starter Housing ASM          |
| 12       | 590535   |      | Starter Rope                 |
|          |          | 1    | (Length 98" x 9/64"<br>Dia.) |
| 13       | 590701   | 1    | Starter Handle               |
| 14       | 590741   | 1    | Locking Tab                  |

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



## Maintenance Record

[illegible]



