



## 824 Snowthrower

Model No. 38053 - 200000001 and up.

Model No. 38078 - 200000001 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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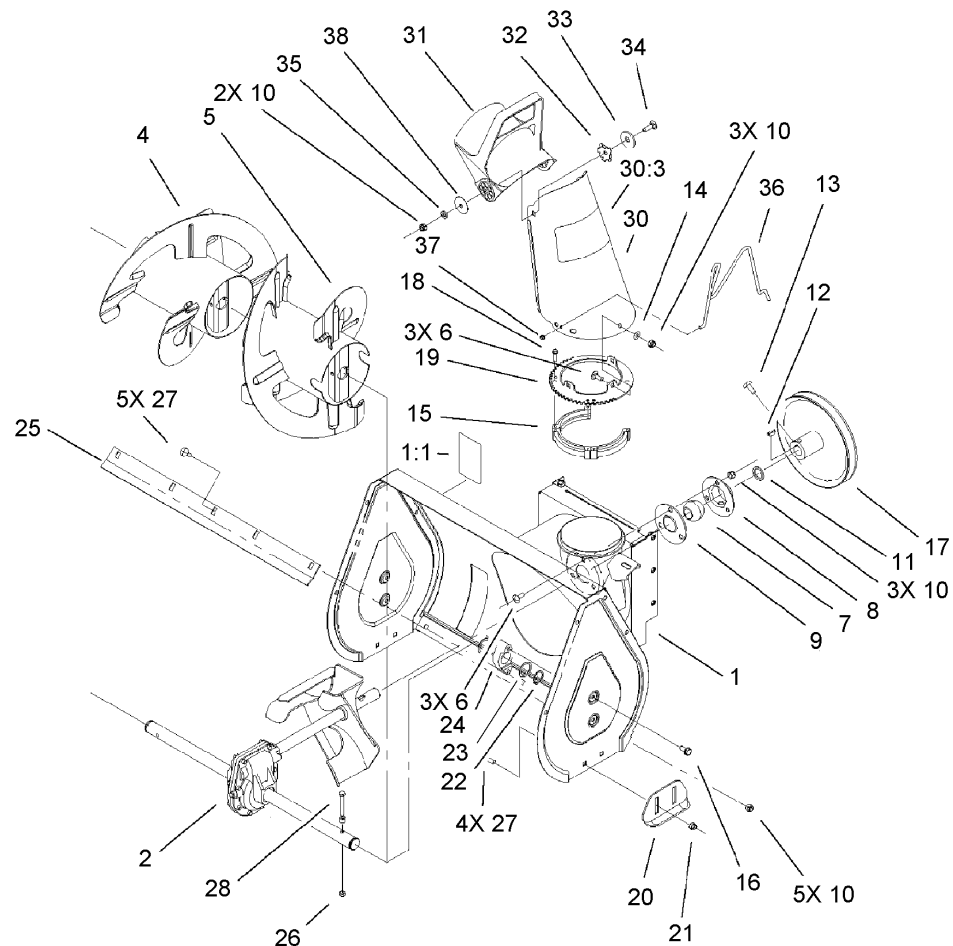
## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

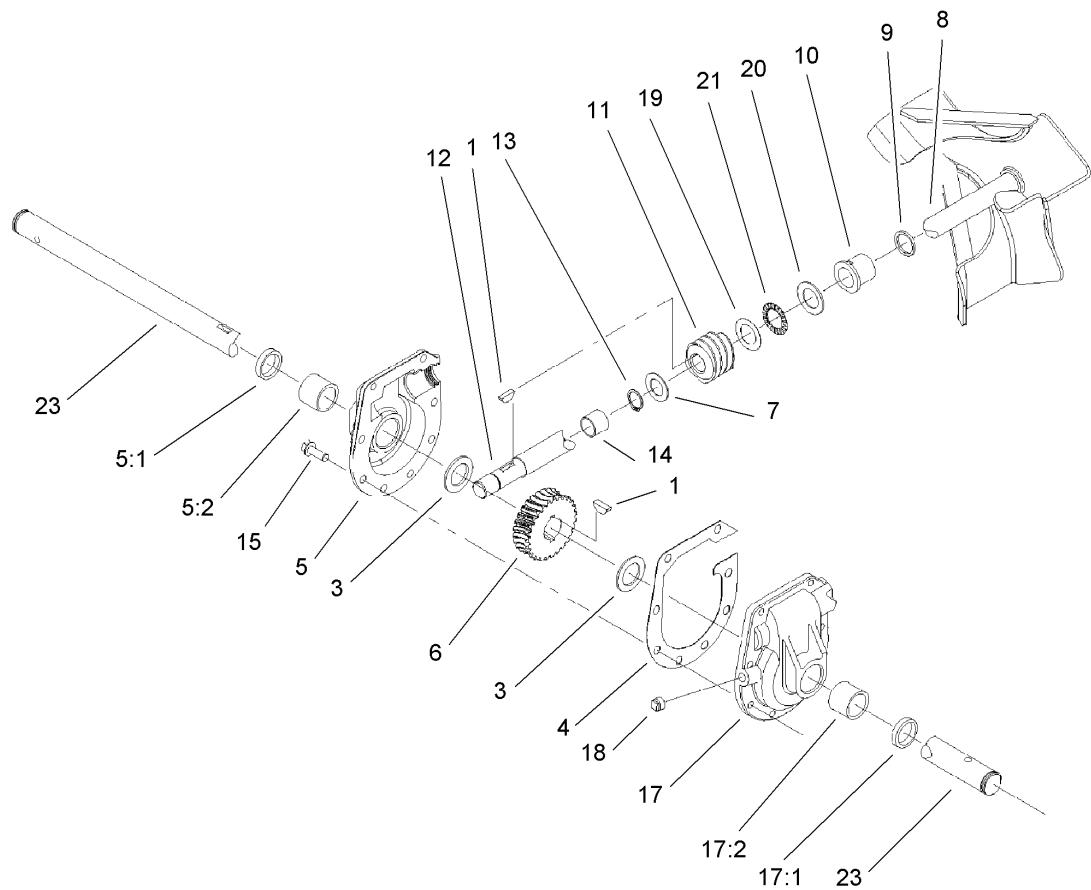
## Footnotes

- |                                 |                                          |
|---------------------------------|------------------------------------------|
| ❶ Not illustrated               | ❷ Not serviced separately                |
| ❸ Not Included with Starter     | ❹ Obtain from your local Tecumseh dealer |
| ❺ Included in Gasket Set 36450A |                                          |



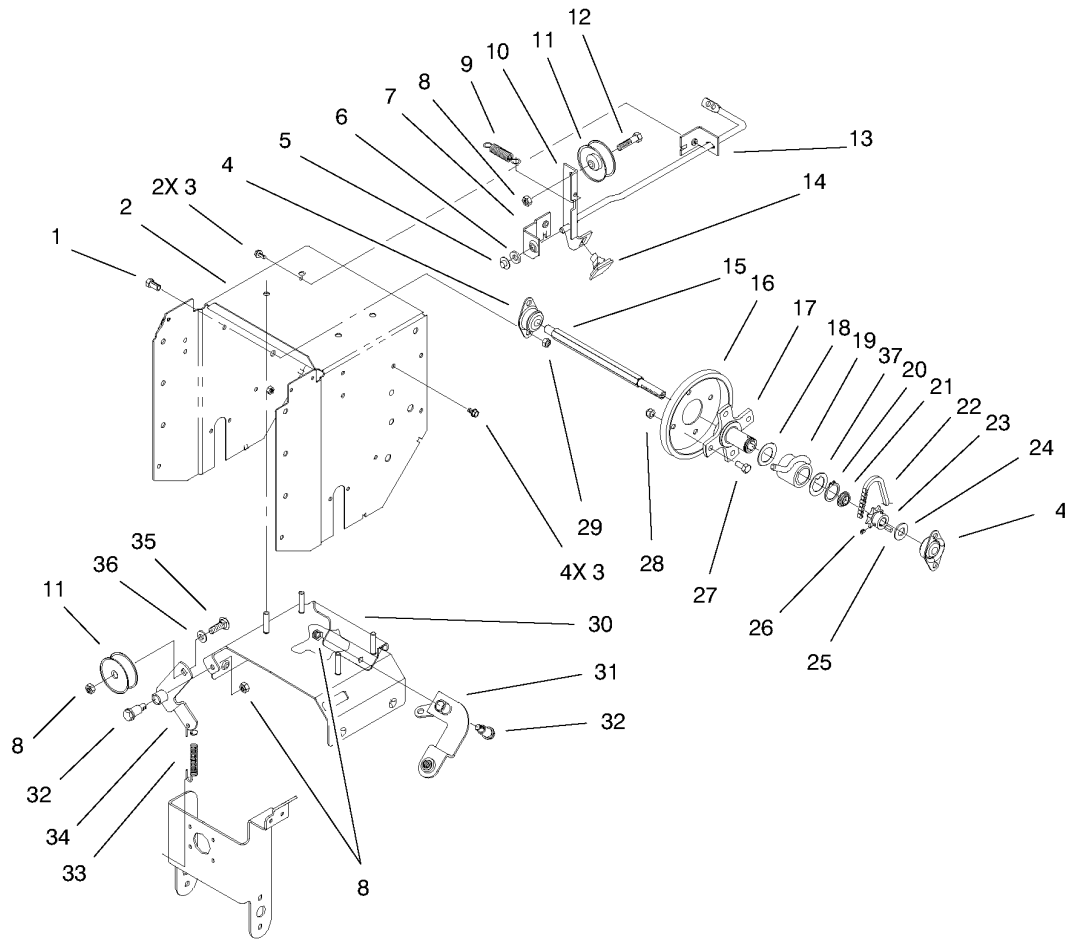
## Auger and Housing Assembly

| Ref | Part No.   | Qty. | Description                                | Ref  | Part No.    | Qty. | Description                   |
|-----|------------|------|--------------------------------------------|------|-------------|------|-------------------------------|
| 1   | 100-5498   | 1    | Auger Housing ASM (Only On: 38078)         | 20   | 40-8160-01  | 2    | Skid                          |
| 1   | 100-5496   | 1    | 24 Inch Auger Housing ASM (Only On: 38053) | 21   | 32128-20    | 4    | Nut-HF                        |
| 1:1 | 53-7670    | 1    | Decal-Warning, Auger (Only On: 38078)      | 22   | 32151-36    | 2    | Ring-Retaining                |
| 1:1 | 94-2568    | 1    | Decal-Warning, Auger (Only On: 38053)      | 23   | 5-1550      | 4    | Washer                        |
| 2   | 95-2674    | 1    | Gear Case ASM                              | 24   | 37-6550     | 2    | Bearing-Auger                 |
| 4   | 74-1600-03 | 1    | 24 Inch RH Auger ASM                       | 25   | 100-3555-01 | 1    | Blade-Scraper, 24 Inch        |
| 5   | 74-1590-03 | 1    | 24 Inch LH Auger ASM                       | 26   | 3296-42     | 2    | Nut-Lock, NI                  |
| 6   | 3230-18    | 6    | Screw-CARR                                 | 27   | 3230-1      | 9    | Bolt-CARR                     |
| 7   | 63-3450    | 1    | Bearing-Ball                               | 28   | 321-10      | 2    | Screw-HH                      |
| 8   | 26-6110    | 1    | Flange-Cup, Bearing                        | 30   | 94-2792     | 1    | Chute ASM (Only On: 38053)    |
| 9   | 26-6120    | 1    | Flange-Cup, Bearing                        | 30   | 94-2793     | 1    | Chute ASM (Only On: 38078)    |
| 10  | 3296-29    | 13   | Nut-Lock, NI                               | 30:3 | 94-2558     | 1    | Decal-Danger (Only On: 38053) |
| 11  | 3-0737     | 1    | Washer                                     | 30:3 | 94-8079     | 1    | Decal-Danger (Only On: 38078) |
| 12  | 3257-23    | 1    | Key-Woodruff                               | 31   | 56-2680     | 1    | Chute-Deflector               |
| 13  | 3242-4     | 2    | Screw-Set, SQH                             | 32   | 55-8950     | 2    | Plate-Friction                |
| 14  | 3256-23    | 3    | Washer-Flat                                | 33   | 20-4320     | 2    | Washer-Rubber                 |
| 15  | 37-6490    | 3    | Ring-Chute, Retainer                       | 34   | 3230-22     | 2    | Screw-CARR                    |
| 16  | 32144-70   | 4    | Screw-HWHTF                                | 35   | 3290-456    | 2    | Washer-Belleville             |
| 17  | 95-2677    | 1    | Pulley-Impeller                            | 36   | 56-2670     | 1    | Wire-Chute                    |
| 18  | 27-0220    | 6    | Screw-Special                              | 37   | 3290-326    | 1    | Nut-Push                      |
| 19  | 37-8941-03 | 1    | Ring-Chute                                 | 38   | 3256-68     | 2    | Washer-Flat                   |



**Gear Case Assembly No. 95-2674**

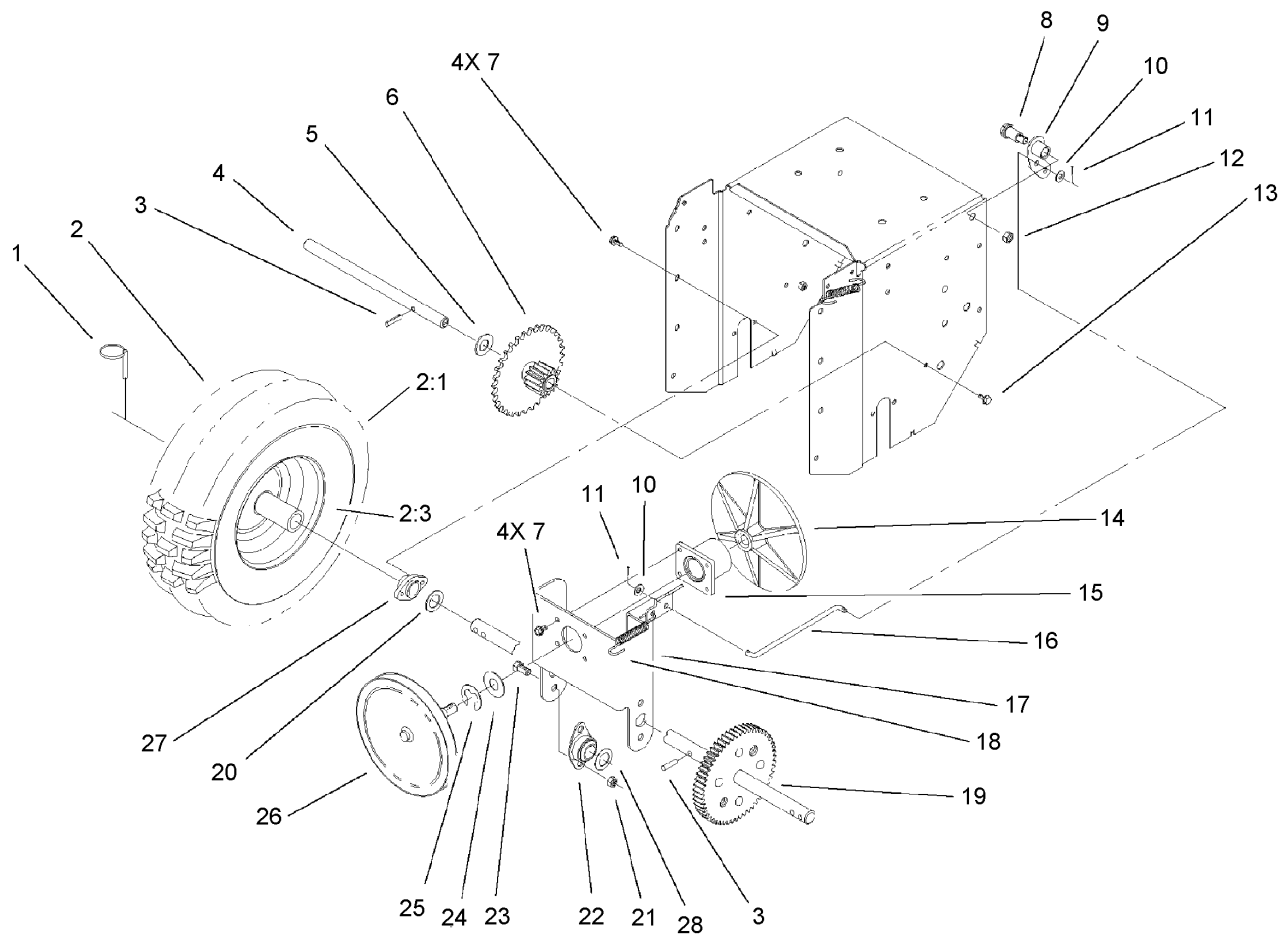
| Ref  | Part No.   | Qty. | Description         |  |  |  |  |
|------|------------|------|---------------------|--|--|--|--|
| 1    | 3257-33    | 1    | Key-Woodruff        |  |  |  |  |
| 3    | 252-71     | 2    | Washer-Thrust       |  |  |  |  |
| 4    | 51-0460    | 1    | Gasket-Case, Gear   |  |  |  |  |
| 5    | 14-2449    | 1    | RH Bushing Case ASM |  |  |  |  |
| 5:1  | 7-0045     | 1    | Seal-Oil            |  |  |  |  |
| 5:2  | 256-237    | 1    | Bushing             |  |  |  |  |
| 6    | 5-7180     | 1    | Gear-Worm, 27T      |  |  |  |  |
| 7    | 3-8664     | 1    | Washer-Thrust       |  |  |  |  |
| 8    | 95-2675-03 | 1    | Impeller ASM        |  |  |  |  |
| 9    | 237-87     | 1    | Ring-Quad           |  |  |  |  |
| 10   | 37-6560    | 1    | Bushing-Input       |  |  |  |  |
| 11   | 5-7170     | 1    | Gear                |  |  |  |  |
| 12   | 3257-23    | 1    | Key-Woodruff        |  |  |  |  |
| 13   | 32120-72   | 1    | Ring-Snap           |  |  |  |  |
| 14   | 256-32     | 1    | Bushing             |  |  |  |  |
| 15   | 32144-41   | 8    | Screw-Taptite       |  |  |  |  |
| 17   | 14-2459    | 1    | LH Bushing Case ASM |  |  |  |  |
| 17:1 | 7-0045     | 1    | Seal-Oil            |  |  |  |  |
| 17:2 | 256-237    | 1    | Bushing             |  |  |  |  |
| 18   | 281-1      | 1    | Plug-Pipe, SQH      |  |  |  |  |
| 19   | 252-80     | 1    | Washer-Thrust       |  |  |  |  |
| 20   | 257-3      | 1    | Washer-Thrust       |  |  |  |  |
| 21   | 252-76     | 1    | Bearing-Thrust      |  |  |  |  |
| 23   | 37-6801    | 1    | Shaft-Auger         |  |  |  |  |



## Upper Traction Assembly

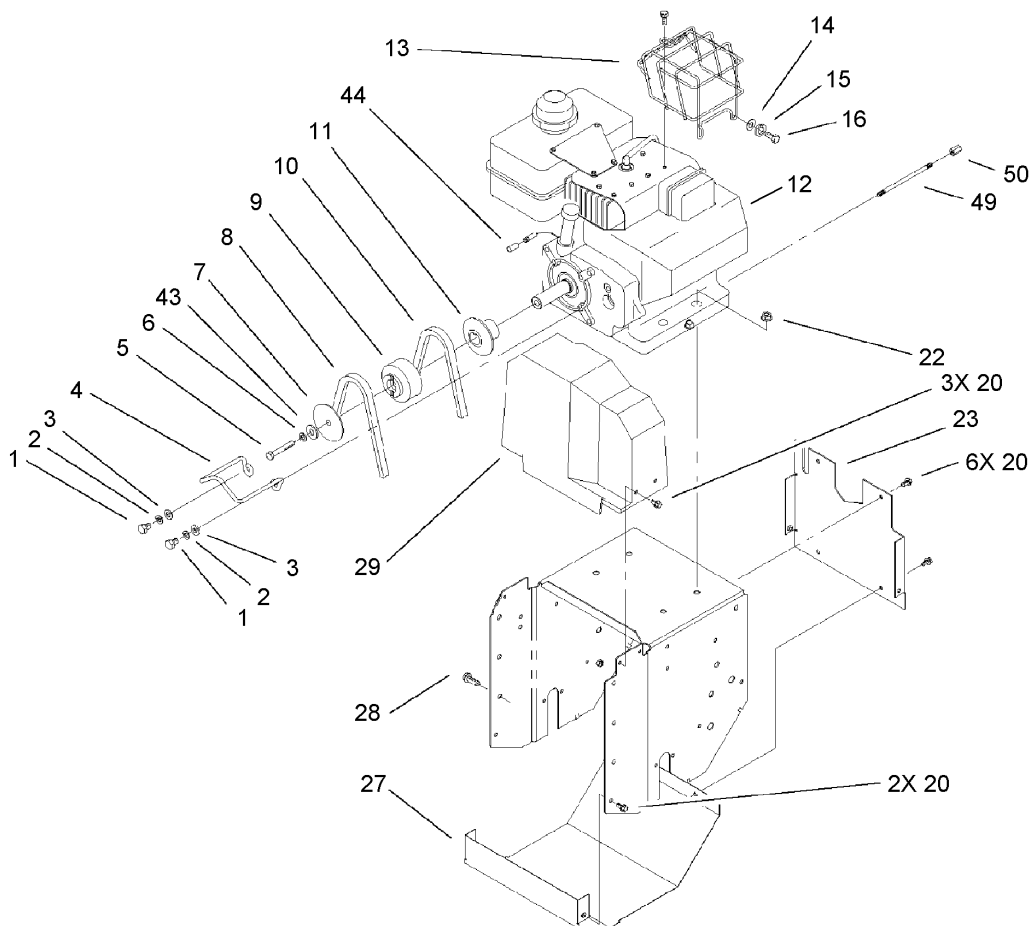
| Ref  | Part No.   | Qty. | Description                      |
|------|------------|------|----------------------------------|
| 1    | 323-4      | 4    | Screw-HH                         |
| 2    | 95-6157-01 | 1    | Frame-Traction ASM               |
| 3    | 32144-4    | 6    | Screw-HWH                        |
| 4    | 94-8824    | 2    | Bearing-Triangle                 |
| 5    | 3290-320   | 1    | Retainer-Push On                 |
| 6    | 3256-24    | 1    | Washer-Flat                      |
| 7    | 94-8829    | 1    | Mounting-Clutch Rod Bracket      |
| 8    | 3296-59    | 4    | Nut-Lock, NI                     |
| 9    | 53-7570    | 1    | Spring                           |
| 10   | 94-9942-03 | 1    | Clutch-Auger                     |
| 11   | 3-4244     | 2    | Pulley-Idler                     |
| 12   | 323-29     | 1    | Screw-HH                         |
| 13   | 94-8841    | 1    | Mounting-Rear Clutch Rod         |
| 14   | 66-8060    | 1    | Pad-Brake                        |
| 15   | 94-8816    | 1    | Shaft-Hex                        |
| 16   | 40-8170    | 1    | Friction Wheel                   |
| 17   | 95-7931    | 1    | Hub-Traction Disc                |
| 18   | 9547       | 1    | Washer-Thrust                    |
| 19   | 94-8883    | 1    | Slider Ring ASM                  |
| 20   | 32151-36   | 1    | Ring-Retaining                   |
| 21   | 94-8862    | 1    | Spacer                           |
| 22   | 20-1810    | 1    | Roller-Chain                     |
| 22   | 2710-6     | 1    | Link-Connecting (Only On: 38078) |
| 22:1 | 2710-6     | 1    | Link-Connecting (Only On: 38078) |

| Ref | Part No.   | Qty. | Description            |
|-----|------------|------|------------------------|
| 23  | 5-9820     | 1    | Sprocket               |
| 24  | 611878     | 1    | Washer-Thrust          |
| 25  | 94-8850    | 1    | Key-Square             |
| 26  | 3245-32    | 2    | Screw-HSH              |
| 27  | 322-3      | 4    | Screw-HH               |
| 28  | 3296-29    | 4    | Nut-Lock, NI           |
| 29  | 3296-39    | 4    | Nut-Lock, NI           |
| 30  | 94-8851-03 | 1    | Brace ASM              |
| 31  | 99-9315    | 1    | Shift Arm ASM          |
| 32  | 94-8859    | 2    | Bolt-Shoulder          |
| 33  | 94-8870    | 1    | Spring-Extension Idler |
| 34  | 94-8864    | 1    | Bracket-Idler Hub      |
| 35  | 3231-26    | 1    | Screw-CARR             |
| 36  | 9202594    | 1    | Washer                 |
| 37  | 98-2252    | 1    | Washer-Thrust          |



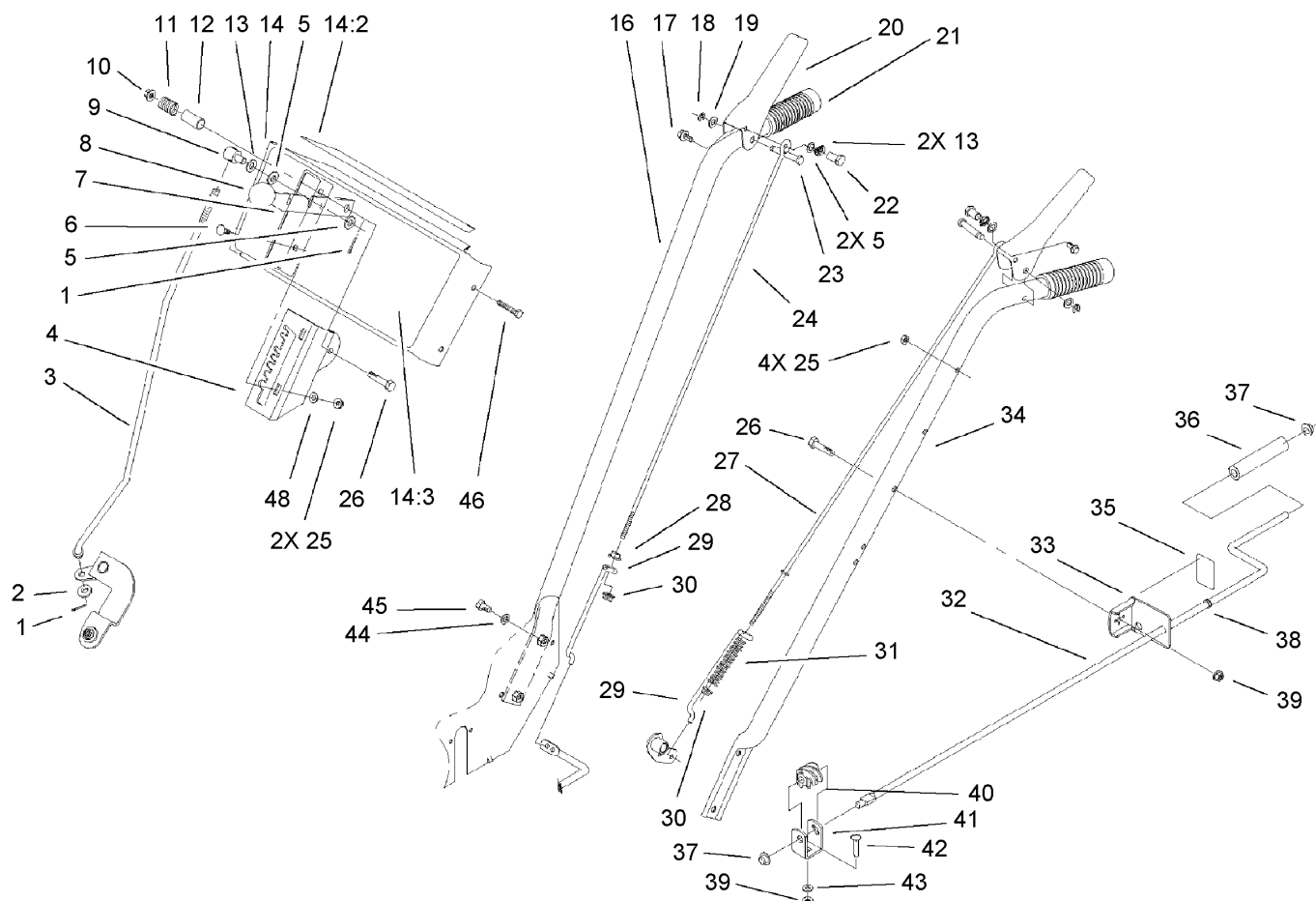
Lower Traction Assembly

| Ref | Part No.   | Qty. | Description          | Ref | Part No.  | Qty. | Description      |
|-----|------------|------|----------------------|-----|-----------|------|------------------|
| 1   | 3290-243   | 2    | Pin-Lynch            | 22  | 68-2970   | 2    | Bushing          |
| 2   | 67-9221    | 2    | Wheel And Tire ASM   | 23  | 323-4     | 4    | Screw-HH         |
| 2:1 | 231-120    | 1    | Tire                 | 24  | 252-80    | 1    | Washer-Thrust    |
| 2:2 | 232-46     | 1    | Tube                 | 25  | 32151-103 | 1    | Ring-Snap        |
| 2:3 | 241-131    | 1    | Rim-Wheel            | 26  | 94-8823   | 1    | Pulley/Shaft ASM |
| 3   | 32121-9    | 4    | Pin-Roll, Slotted    | 27  | 37-6850   | 2    | Bearing-Axle     |
| 4   | 94-8814    | 1    | Shaft-Intermediate   | 28  | 3-6498    | 2    | Washer-Thrust    |
| 5   | 7-3590     | 1    | Washer               |     |           |      |                  |
| 6   | 94-8856    | 1    | Gear/Bushing ASM     |     |           |      |                  |
| 7   | 32144-4    | 8    | Screw-HWH            |     |           |      |                  |
| 8   | 94-8859    | 1    | Bolt-Shoulder        |     |           |      |                  |
| 9   | 94-8822    | 1    | Hub-Pivot            |     |           |      |                  |
| 10  | 3256-67    | 2    | Washer-Flat          |     |           |      |                  |
| 11  | 3272-4     | 2    | Pin-Cotter           |     |           |      |                  |
| 12  | 3296-59    | 1    | Nut-Lock, NI         |     |           |      |                  |
| 13  | 32144-14   | 2    | Screw-HWH            |     |           |      |                  |
| 14  | 94-8857    | 1    | Disc-Friction        |     |           |      |                  |
| 15  | 94-8845    | 1    | Bearing Hub ASM      |     |           |      |                  |
| 16  | 94-8818    | 1    | Rod-Engage           |     |           |      |                  |
| 17  | 94-8833-03 | 1    | Frame-Friction Plate |     |           |      |                  |
| 18  | 94-8813    | 1    | Spring-Engage        |     |           |      |                  |
| 19  | 94-8855    | 1    | Axle                 |     |           |      |                  |
| 20  | 3-8664     | 2    | Washer-Thrust        |     |           |      |                  |
| 21  | 3296-39    | 4    | Nut-Lock, NI         |     |           |      |                  |



## Engine and Frame Assembly

| Ref    | Part No.   | Qty. | Description                                      | Ref | Part No. | Qty. | Description      |
|--------|------------|------|--------------------------------------------------|-----|----------|------|------------------|
| 1      | 3210-3     | 2    | Screw-HH                                         | 28  | 32144-14 | 6    | Screw-HWH        |
| 2      | 3253-4     | 2    | Washer-Lock                                      | 29  | 94-8802  | 1    | Cover-Upper Belt |
| 3      | 3256-23    | 2    | Washer-Flat                                      | 43  | 3256-41  | 1    | Washer           |
| 4      | 95-7917    | 1    | Guide-Belt                                       | 44  | 94-2782  | 1    | Cap-Wire, Lite   |
| 5      | 3212-8     | 1    | Screw-HH                                         | 49  | 289-34   | 1    | Nipple-Pipe      |
| 6      | 3253-6     | 1    | Washer-Lock                                      | 50  | 288-2    | 1    | Cap-Pipe         |
| 7      | 62-0940    | 1    | Sheave-Half, Impeller                            |     |          |      |                  |
| 8      | 26-9671    | 1    | Belt V                                           |     |          |      |                  |
| 9      | 94-8849    | 1    | Pulley-Engine Center                             |     |          |      |                  |
| 10     | 94-8812    | 1    | V Belt-Traction                                  |     |          |      |                  |
| 11     | 62-0920    | 1    | Sheave-Half, Traction                            |     |          |      |                  |
| 2 4 12 |            | 1    | Engine-Tecumseh, Hmsk80-155672V (Only On: 38078) |     |          |      |                  |
| 1 12:3 | 99-9300    | 1    | Cord-Extension (Only On: 38078)                  |     |          |      |                  |
| 2 4 12 |            | 1    | Engine-Tecumseh, Hmsk80-155645V (Only On: 38053) |     |          |      |                  |
| 13     | 94-2763    | 1    | Guard-Muffler (Only On: 38053)                   |     |          |      |                  |
| 14     | 3256-49    | 2    | Washer-Flat (Only On: 38053)                     |     |          |      |                  |
| 15     | 3253-17    | 2    | Washer-Lock (Only On: 38053)                     |     |          |      |                  |
| 16     | 93-8048    | 2    | Screw (Only On: 38053)                           |     |          |      |                  |
| 20     | 32144-4    | 11   | Screw-HWH                                        |     |          |      |                  |
| 22     | 32128-20   | 4    | Nut-HF                                           |     |          |      |                  |
| 23     | 95-6156-01 | 1    | Plate-Back                                       |     |          |      |                  |
| 27     | 94-8844-01 | 1    | Cover-Bottom                                     |     |          |      |                  |



## Handle and Control Assembly

| Ref  | Part No.   | Qty. | Description                            |
|------|------------|------|----------------------------------------|
| 1    | 3272-4     | 2    | Pin-Cotter                             |
| 2    | 3256-38    | 1    | Washer-Flat                            |
| 3    | 94-9875    | 1    | Rod-Shift                              |
| 4    | 99-1799-03 | 1    | Mount-Speed Selector                   |
| 5    | 3256-24    | 4    | Washer-Flat                            |
| 6    | 3229-11    | 2    | Screw-CARR                             |
| 7    | 94-8806-03 | 1    | Selector-Speed                         |
| 8    | 233-21     | 1    | Knob                                   |
| 9    | 101161     | 1    | Trunnion                               |
| 10   | 32128-13   | 1    | Nut-HF                                 |
| 11   | 37-9150    | 1    | Spring                                 |
| 12   | 40-8130    | 1    | Spacer                                 |
| 13   | 612586     | 3    | Washer-Spring                          |
| 14   | 100-3570   | 1    | Control Panel ASM (Only On: 38078)     |
| 14   | 100-3571   | 1    | Control Panel ASM (Only On: 38053)     |
| 14:2 | 100-3412   | 1    | Decal-Escutcheon Back (Only On: 38078) |
| 14:2 | 100-3411   | 1    | Decal-Escutcheon Back (Only On: 38053) |
| 14:3 | 100-3564   | 1    | Decal-Control Panel (Only On: 38053)   |
| 14:3 | 100-3341   | 1    | Decal-Control Panel (Only On: 38078)   |
| 16   | 94-8804-03 | 1    | Handle-Right                           |

| Ref | Part No.   | Qty. | Description            |
|-----|------------|------|------------------------|
| 17  | 3234-13    | 2    | Screw-HHF              |
| 18  | 32151-73   | 2    | Ring-Clip              |
| 19  | 3256-23    | 2    | Washer-Flat            |
| 20  | 63-3640    | 2    | Handle-Control         |
| 21  | 74-1360    | 2    | Grip-Handle            |
| 22  | 47-4990    | 2    | Post-Mounting, Linkage |
| 23  | 52-5600    | 2    | Pin-Lever, Control     |
| 24  | 94-8838    | 1    | Rod-Upper Engage Auger |
| 25  | 3296-42    | 6    | Nut-Lock, NI           |
| 26  | 322-7      | 2    | Screw-HH               |
| 27  | 94-8837    | 1    | Rod-Upper Traction     |
| 28  | 32128-33   | 1    | Nut-HF                 |
| 29  | 94-8836    | 2    | Rod-Lower Traction     |
| 30  | 32128-32   | 2    | Nut-HHF                |
| 31  | 38-4520    | 1    | Spring                 |
| 32  | 40-8270    | 1    | Rod-Control, Chute     |
| 33  | 25-6090    | 1    | Bracket-Rod, Chute     |
| 34  | 95-2695-03 | 1    | Left Handle            |
| 35  | 63-3510    | 1    | Decal-Chute Direction  |
| 36  | 40-8230    | 1    | Grip-Control, Chute    |
| 37  | 3290-320   | 2    | Retainer-Push On       |
| 38  | 256-249    | 1    | Bushing                |
| 39  | 3296-29    | 2    | Nut-Lock, NI           |
| 40  | 40-8250    | 1    | Gear-Worm, Chute       |

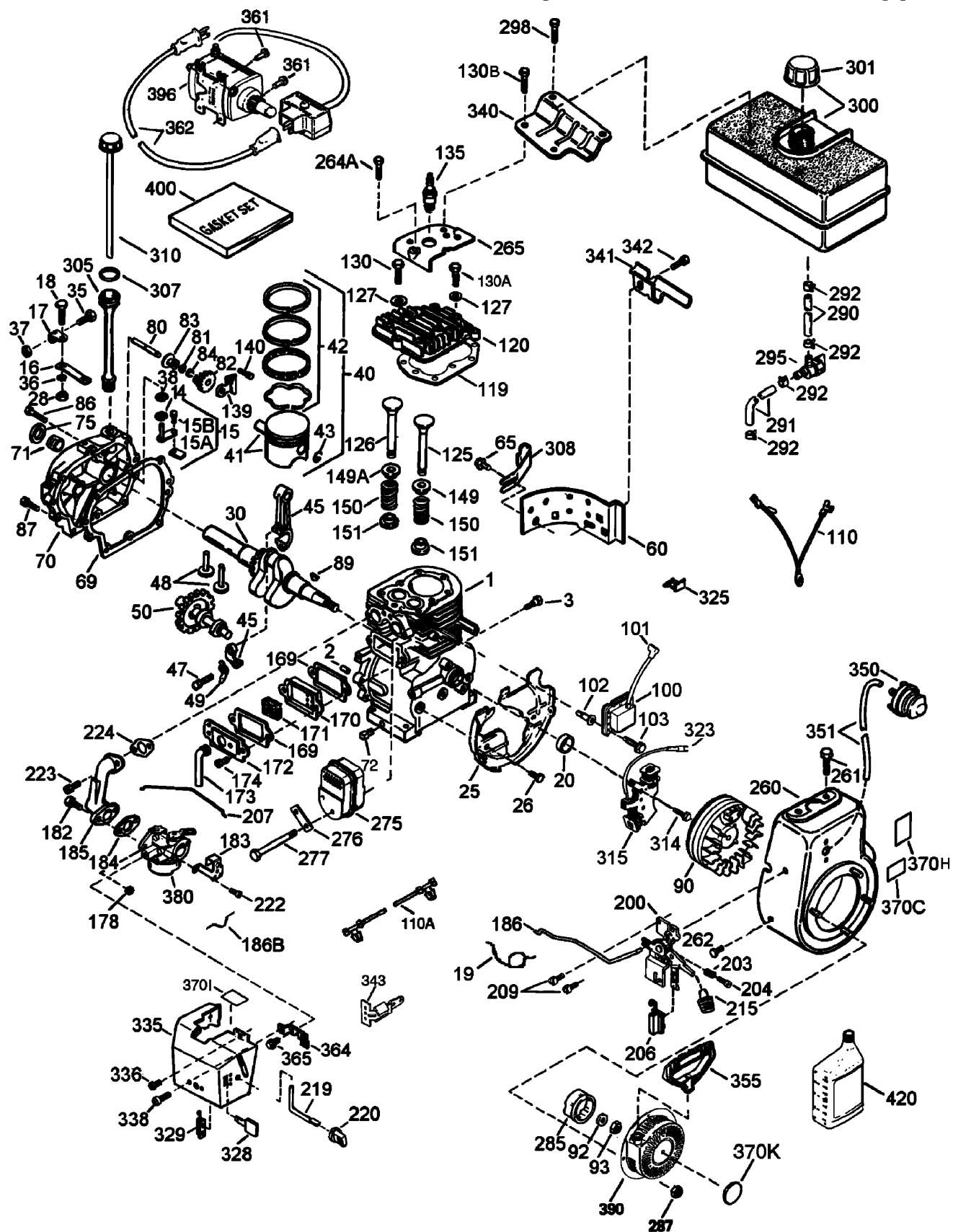




| Ref | Part No. | Qty. | Description       |  |  |  |  |
|-----|----------|------|-------------------|--|--|--|--|
| 41  | 40-8280  | 1    | Bracket-Worm      |  |  |  |  |
| 42  | 3230-22  | 1    | Screw-CARR        |  |  |  |  |
| 43  | 3290-238 | 1    | Washer-Lock       |  |  |  |  |
| 44  | 3290-456 | 4    | Washer-Belleville |  |  |  |  |
| 45  | 32144-14 | 4    | Screw-HWH         |  |  |  |  |
| 46  | 321-9    | 4    | Screw-HH          |  |  |  |  |
| 48  | 3256-22  | 2    | Washer-Flat       |  |  |  |  |

# Engine Assembly No. 1

## Tecumseh HMSK80-155672V (Model No. 38078 only)



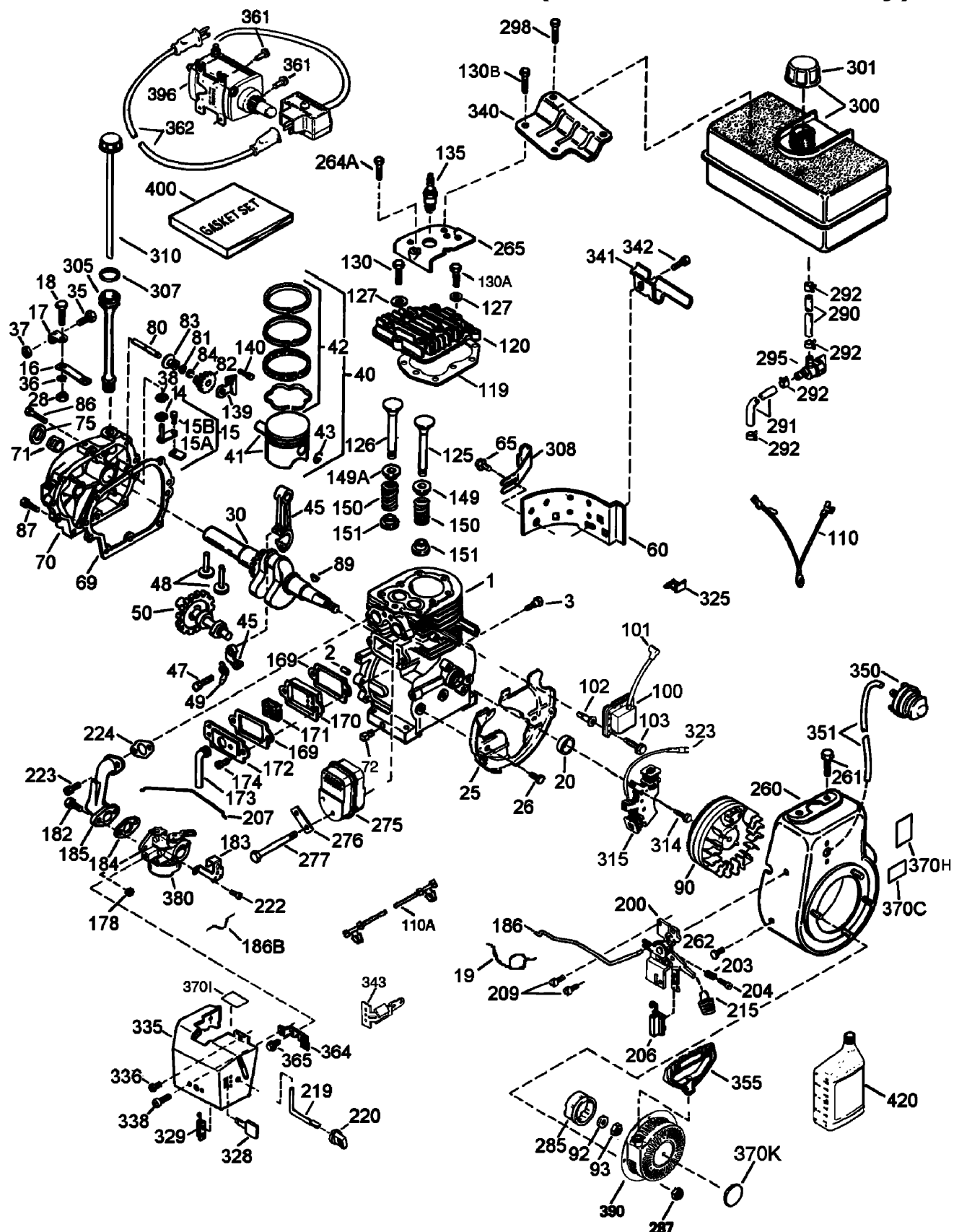
# Engine Assembly No. 1

## Tecumseh HMSK80-155672V (Model No. 38078 only)

| Ref  | Part No. | Qty. | Description                                 | Ref   | Part No. | Qty. | Description                                             |
|------|----------|------|---------------------------------------------|-------|----------|------|---------------------------------------------------------|
| 41   | 35385    | 1    | Cylinder ASM (Includes 2, 20, 72)           | 490   | 611093   | 1    | Flywheel ASM                                            |
| 42   | 27652    | 2    | Pin-Dowel                                   | 492   | 650880   | 1    | Washer-Belleville                                       |
| 43   | 650820   | 2    | Screw (1/4-20X1/2)                          | 493   | 650881   | 1    | Nut-Flywheel                                            |
| 414  | 28277    | 1    | Washer-Flat                                 | 4100  | 35135    | 1    | Solid State ASM                                         |
| 415  | 30699C   | 1    | Rod-Governor (Includes 15A, 15B)            | 4101  | 610118   | 1    | Cover-Spark Plug                                        |
| 415A | 30700    | 1    | Yoke-Governor                               | 4102  | 651024   | 2    | Stud-Mounting, Solid State                              |
| 415B | 650494   | 1    | Screw (6-40X5/16)                           | 4103  | 651007   | 2    | Screw (T-15, 10-24 X 15/16)                             |
| 416  | 33454    | 1    | Lever-Governor                              | 4110  | 35187    | 1    | Wire-Ground                                             |
| 417  | 29916    | 1    | Clamp-Lever, Governor                       | 4110A | 37047    | 1    | Wire-Ground (10.50 With Male And Female Flag Terminals) |
| 418  | 651028   | 1    | Screw (T-15, 8-32X7/16)                     | 4119  | 36448    | 1    | Gasket-Head, Cylinder                                   |
| 419  | 34663    | 1    | Spring-Throttle                             | 4120  | 36449    | 1    | Head-Cylinder                                           |
| 420  | 35319    | 1    | Seal-Oil                                    | 4125  | 27878A   | 1    | Valve-Exhaust (STD) (Includes 151)                      |
| 425  | 36460    | 1    | Baffle-Housing, Blower                      | 4125  | 27880A   | 1    | Valve-Exhaust (1/32 O S) (Includes 151)                 |
| 426  | 650561   | 2    | Screw (1/4-20X19/32)                        | 4126  | 34035    | 1    | Valve-Intake (STD)                                      |
| 428  | 30322    | 1    | Nut-Lock (8-32)                             | 4126  | 34036    | 1    | Valve-Intake (.03 O S)                                  |
| 430  | 35571A   | 1    | Crankshaft                                  | 4127  | 650691   | 2    | Washer                                                  |
| 435  | 29826    | 1    | Screw (10-32X3/4)                           | 4130  | 6021A    | 7    | Screw (5/16-18X1-1/2)                                   |
| 436  | 29918    | 1    | Washer-Lock (8)                             | 4130A | 650727   | 2    | Screw (5/16-18X1-25/32)                                 |
| 437  | 29216    | 1    | Nut-Lock (10-32)                            | 4130B | 651055   | 2    | Screw (5/16-18X39/64)                                   |
| 438  | 29642    | 1    | Ring-Retaining                              | 4135  | 35395    | 1    | Spark Plug-Resistor (R J19 L M)                         |
| 440  | 40011    | 1    | Piston-Pin And Ring Set (STD)               | 4139  | 33369    | 1    | Bracket-Gear, Governor                                  |
| 440  | 40012    | 1    | Piston- Pin And Ring Set (.010 O S)         | 4140  | 650836   | 2    | Screw (10-24X1/2)                                       |
| 441  | 40009    | 1    | Piston And Pin ASM (STD) (Includes 43)      | 4149  | 27882    | 1    | Cap-Spring, Valve                                       |
| 441  | 40010    | 1    | Piston And Pin ASM (.010 O S) (Includes 43) | 4149A | 35862    | 1    | Cap-Spring, Valve                                       |
| 442  | 40013    | 1    | Ring Set (STD)                              | 4150  | 27881    | 2    | Spring-Valve                                            |
| 442  | 40014    | 1    | Ring Set (.010 O S)                         | 4151  | 32581    | 2    | Keeper-Spring, Valve                                    |
| 443  | 27888    | 2    | Ring-Retaining, Piston Pin                  |       |          |      |                                                         |
| 445  | 36897    | 1    | Connecting Rod ASM (Includes 47, 49)        |       |          |      |                                                         |
| 447  | 651033   | 2    | Bolt-Rod, Connecting                        |       |          |      |                                                         |
| 448  | 34034    | 2    | Lifter-Valve                                |       |          |      |                                                         |
| 449  | 36896    | 1    | Dipper-Oil                                  |       |          |      |                                                         |
| 450  | 35375    | 1    | Camshaft (Mcr)                              |       |          |      |                                                         |
| 460  | 33273A   | 1    | Extension-Housing, Blower                   |       |          |      |                                                         |
| 465  | 650128   | 1    | Screw (10-24X1/2)                           |       |          |      |                                                         |
| 4569 | 35262A   | 1    | Gasket-Cover, Cylinder                      |       |          |      |                                                         |
| 470  | 35376    | 1    | Cover-Cylinder (Includes 71, 75, 80)        |       |          |      |                                                         |
| 471  | 35377    | 1    | Bushing-Crankshaft                          |       |          |      |                                                         |
| 472  | 27642    | 1    | Plug-Drain, Oil (SQH 1/4-18)                |       |          |      |                                                         |
| 475  | 35319    | 1    | Seal-Oil                                    |       |          |      |                                                         |
| 480  | 31845    | 1    | Shaft-Governor                              |       |          |      |                                                         |
| 481  | 30590A   | 1    | Washer                                      |       |          |      |                                                         |
| 482  | 35378    | 1    | Governor Gear ASM (Includes 81)             |       |          |      |                                                         |
| 483  | 30588A   | 1    | Spool-Governor                              |       |          |      |                                                         |
| 484  | 29193    | 1    | Ring-Retaining                              |       |          |      |                                                         |
| 486  | 650833   | 7    | Screw (1/4-20X1-3/16)                       |       |          |      |                                                         |
| 487  | 650832   | 1    | Screw (1/4-20X1-11/16)                      |       |          |      |                                                         |
| 489  | 32589    | 1    | Key-Flywheel                                |       |          |      |                                                         |

# Engine Assembly No. 2

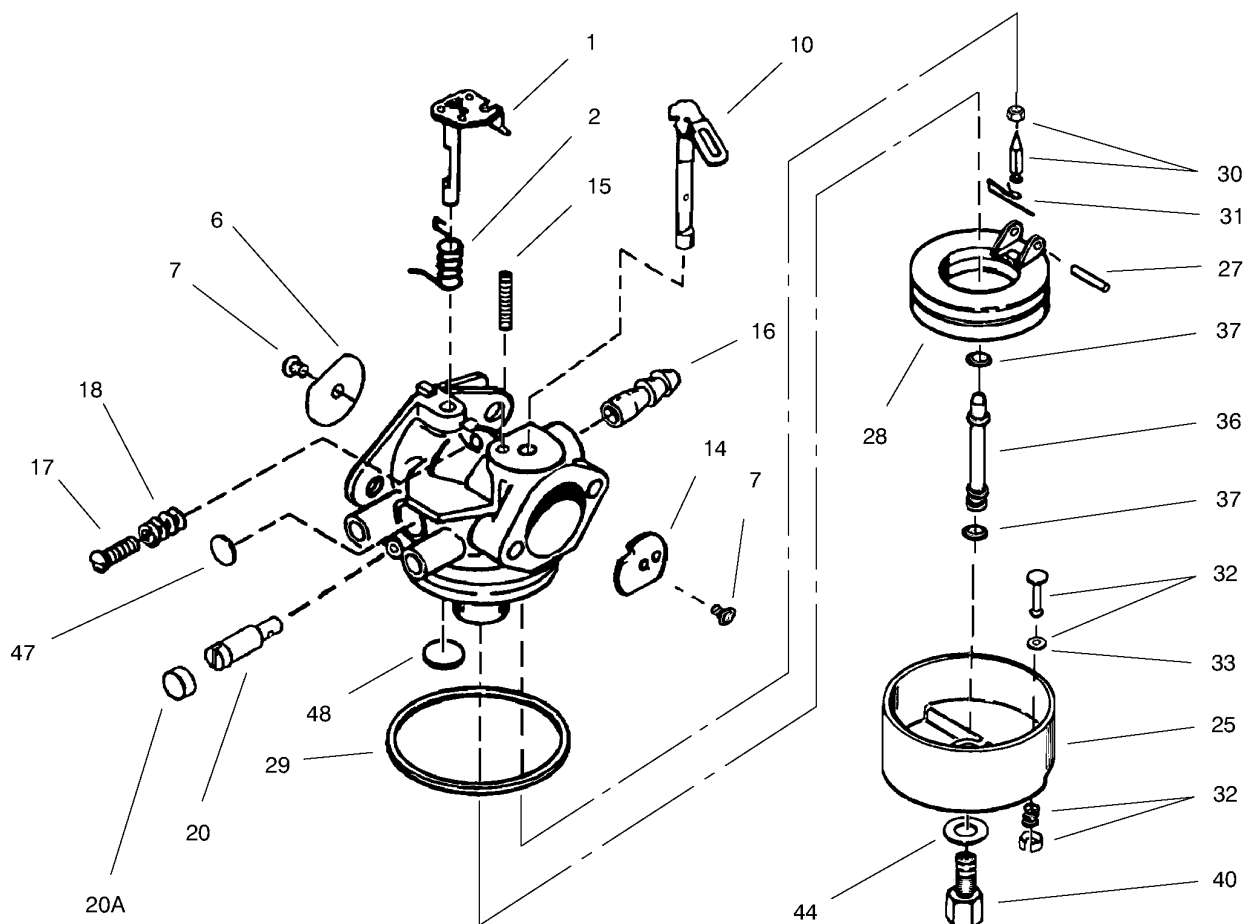
## Tecumseh HMSK80-155672V (Model No. 38078 only)



## Engine Assembly No. 2

### Tecumseh HMSK80-155672V (Model No. 38078 only)

| Ref    | Part No. | Qty. | Description                                  | Ref   | Part No. | Qty. | Description                                   |
|--------|----------|------|----------------------------------------------|-------|----------|------|-----------------------------------------------|
| 4 5169 | 27896A   | 2    | Gasket-Cover, Valve                          | 4328  | 35062    | 2    | Key, Ignition                                 |
| 4170   | 28423    | 1    | Body-Breather                                | 4329  | 610973   | 1    | Terminal                                      |
| 4171   | 28424    | 1    | Element-Breather                             | 4335  | 35057A   | 1    | Cover-Carburetor                              |
| 4172   | 28425    | 1    | Cover-Valve                                  | 4336  | 650765   | 1    | Screw (10-32X1/2)                             |
| 4173   | 35350    | 1    | Tube-Breather                                | 4338  | 28942    | 2    | Screw (10-32 X 3/8)                           |
| 4174   | 650128   | 2    | Screw (10-24X1/2)                            | 4340  | 34154    | 1    | Bracket-Tank, Fuel (Black)                    |
| 4178   | 29752    | 2    | Nut And Lock Washer (1/4-28)                 | 4341  | 34155    | 1    | Bracket-Tank, Fuel                            |
| 4182   | 30088A   | 2    | Screw (1/4-28X1)                             | 4342  | 650561   | 1    | Screw (1/4-20X19/32)                          |
| 4183   | 34587A   | 1    | Bracket-Choke                                | 4343  | 35079    | 1    | Bracket-Switch, Key                           |
| 4 5184 | 33263    | 1    | Gasket-Carburetor To Intake Pipe             | 4350  | 570682A  | 1    | Primer ASM                                    |
| 4185   | 33877    | 1    | Pipe-Intake                                  | 4351  | 32180C   | 1    | Line-Primer                                   |
| 4186   | 34667    | 1    | Link-Governor                                | 4355  | 590574   | 1    | Handle-Starter, Mitten Grip                   |
| 4186B  | 36652    | 1    | Spring-Choke                                 | 4361  | 650990   | 2    | Screw (T-30, 1/4-20X15/32)                    |
| 4200   | 34677    | 1    | Bracket-Control (Includes 19, 203, 204, 206) | 4362  | 32450B   | 1    | Cord-Extension (10-6)                         |
| 4203   | 31342    | 1    | Spring-Compression                           | 4364  | 33377    | 1    | Bracket-Carburetor                            |
| 4204   | 651029   | 1    | Screw (T-10, 5-40X7/16)                      | 4365  | 650767   | 2    | Screw (8-32X27/64)                            |
| 4206   | 610973   | 1    | Terminal                                     | 4370C | 36501    | 1    | Decal-Primer-International Symbol             |
| 4207   | 33878    | 1    | Link-Throttle                                | 4370H | 35077    | 1    | Decal-Speed Control And Choke                 |
| 4209   | 650821   | 2    | Screw (10-32 X 1/2)                          | 4370I | 37119    | 1    | Decal-Warning (Bilingual)                     |
| 4215   | 35440    | 1    | Knob-Control                                 | 4370K | 36695    | 1    | Decal-Tecumseh Logo For Top Of Recoil Starter |
| 4219   | 34586    | 1    | Rod-Choke                                    | 4380  | 640052   | 1    | Carburetor ASM                                |
| 4220   | 35438    | 1    | Knob-Control                                 | 4390  | 590749   | 1    | Starter-Rewind                                |
| 4222   | 28820    | 2    | Screw (10-32 X 1/2)                          | 4396  | 33329E   | 1    | Starter-Electric (110 Volt)                   |
| 4223   | 650378   | 2    | Screw (T-30, 5/16-18X1-3/32)                 | 4400  | 36450A   | 1    | Gasket Set                                    |
| 4 5224 | 27915A   | 1    | Gasket-Pipe, Intake                          | 4420  | 730226A  | 1    | Oil-Engine, Sae 5W30                          |
| 4260   | 35447A   | 1    | Housing-Blower                               |       |          |      |                                               |
| 4261   | 650788   | 2    | Screw (5/16-18X3/4)                          |       |          |      |                                               |
| 4262   | 29747B   | 2    | Screw                                        |       |          |      |                                               |
| 4264A  | 650802   | 1    | Screw (1/2-20X5/8)                           |       |          |      |                                               |
| 4265   | 33272B   | 1    | Cover-Cylinder Head                          |       |          |      |                                               |
| 4275   | 35056    | 1    | Muffler                                      |       |          |      |                                               |
| 4276   | 31588    | 1    | Plate-Locking                                |       |          |      |                                               |
| 4277   | 651002   | 2    | Screw (5/16-18X4-3/16)                       |       |          |      |                                               |
| 4285   | 35985B   | 1    | Cup-Starter                                  |       |          |      |                                               |
| 4287   | 29752    | 4    | Nut And Lock Washer (1/4-28)                 |       |          |      |                                               |
| 4290   | 29774    | 1    | Line-Fuel (8.62)                             |       |          |      |                                               |
| 4291   | 30705    | 1    | Line-Fuel                                    |       |          |      |                                               |
| 4292   | 26460    | 4    | Clamp-Line, Fuel                             |       |          |      |                                               |
| 4295   | 35857    | 1    | Valve-Shut Off, Fuel                         |       |          |      |                                               |
| 4298   | 650665   | 2    | Screw (1/4-15X7/8)                           |       |          |      |                                               |
| 4300   | 34156A   | 1    | Tank-Fuel (Includes 292, 301)                |       |          |      |                                               |
| 4301   | 36246    | 1    | Cap-Fuel                                     |       |          |      |                                               |
| 4305   | 35554    | 1    | Tube-Fill, Oil                               |       |          |      |                                               |
| 4307   | 35499    | 1    | O-Ring                                       |       |          |      |                                               |
| 4308   | 35440    | 1    | Knob-Control                                 |       |          |      |                                               |
| 4310   | 36205    | 1    | Gauge Oil ASM                                |       |          |      |                                               |
| 4314   | 650873   | 1    | Screw (1/4-20 X 3/4)                         |       |          |      |                                               |
| 4315   | 611111   | 1    | Coil-Alternator, 18 Watt (Includes 323)      |       |          |      |                                               |
| 4323   | 611118   | 1    | Terminal                                     |       |          |      |                                               |
| 4325   | 29443    | 1    | Clip-Wire                                    |       |          |      |                                               |

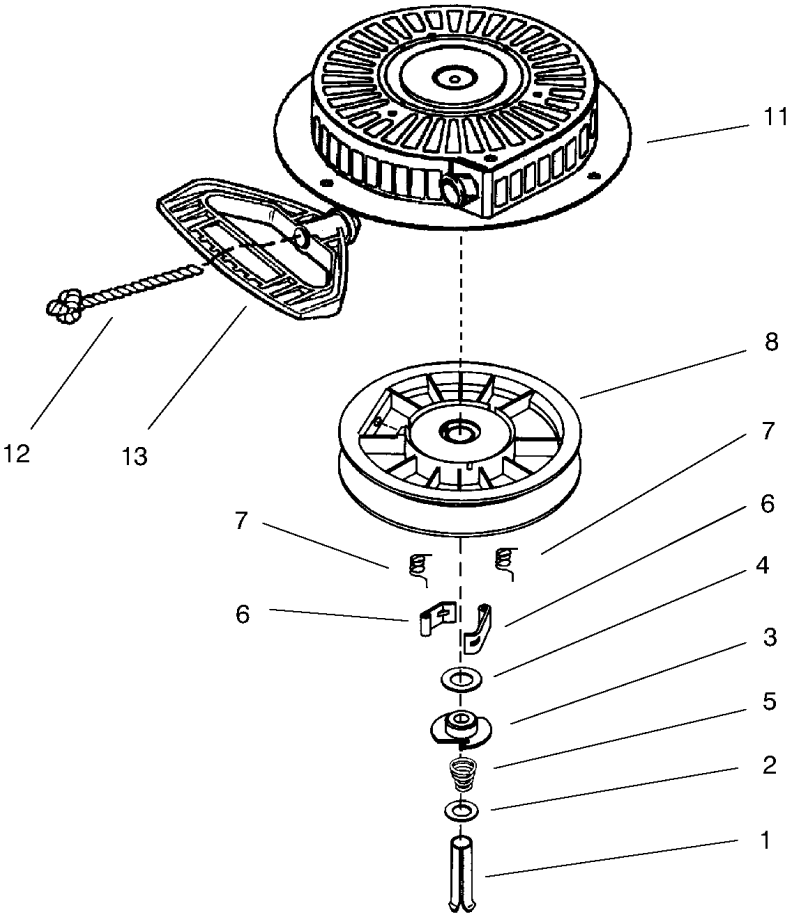


## Carburetor No. 640052

### Tecumseh HMSK80-155672V (Model No. 38078 Only)

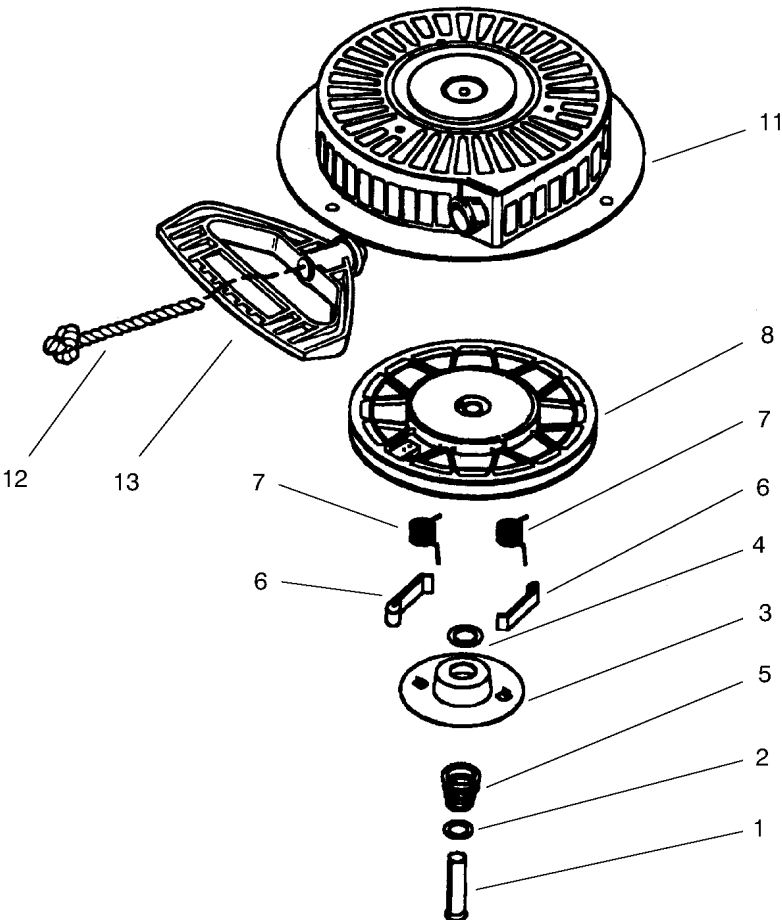
| Ref  | Part No. | Qty. | Description                                    |
|------|----------|------|------------------------------------------------|
| ④1   | 631776A  | 1    | Throttle Shaft And Lever ASM                   |
| ④2   | 631970   | 1    | Spring-Return, Throttle                        |
| ④6   | 631778   | 1    | Shutter-Throttle                               |
| ④7   | 650506   | 2    | Screw-Shutter                                  |
| ④10  | 632112   | 1    | Choke Shaft And Lever ASM                      |
| ④14  | 632174   | 1    | Shutter-Choke                                  |
| ④15  | 630735   | 1    | Spring-Positioning, Choke                      |
| ④16  | 632164   | 1    | Fitting-Fuel                                   |
| ④17  | 650417   | 1    | Throttle Crack Screw / Idle Speed Screw        |
| ④18  | 630766   | 1    | Spring-Tension                                 |
| ④20  | 640016   | 1    | Screw-Restrictor, Idle                         |
| ④20A | 640053   | 1    | Cap-Screw, Idle Restrictor                     |
| ④25  | 631951   | 1    | Float Bowl Assembly (Incl. Ref. #32 & 33)      |
| ④27  | 631024   | 1    | Shaft-Float                                    |
| ④28  | 632019   | 1    | Float                                          |
| ④29  | 631028   | 1    | O-Ring-Bowl, Float                             |
| ④30  | 631021   | 1    | Inlet Needle, Seat & Clip ASM (Incl. Ref. #31) |
| ④31  | 631022   | 1    | Clip-Spring                                    |
| ④32  | 27136A   | 1    | Drain Assembly (Incl. Ref. #33)                |
| ④33  | 27554    | 1    | Gasket-Plunger, Drain                          |
| ④36  | 640005   | 1    | Tube-Nozzle, Main                              |
| ④37  | 632547   | 2    | O-Ring-Nozzle Tube, Main                       |

| Ref | Part No. | Qty. | Description                   |
|-----|----------|------|-------------------------------|
| ④40 | 640055   | 1    | Nut-High Speed, Bowl          |
| ④44 | 27110    | 1    | Washer-Bowl Nut               |
| ④47 | 630748   | 1    | Plug-Welch, Idle Mixture Well |
| ④48 | 631027   | 1    | Plug-Welch, Atmospheric Vent  |
| ④60 | 632760   | 1    | Repair Kit                    |



**Recoil Starter No. 590749**  
**Tecumseh HMSK80-155672V (Model No. 38078 Only)**

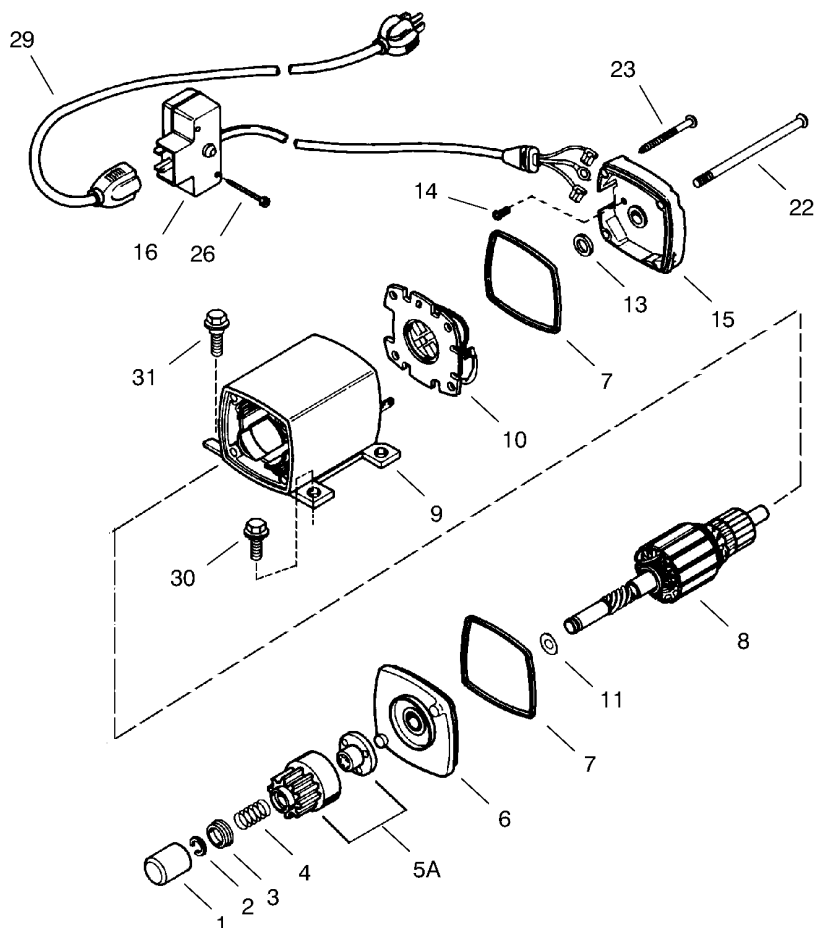
| Ref | Part No. | Qty. | Description                     |  |  |  |  |
|-----|----------|------|---------------------------------|--|--|--|--|
| ❶   | 590599A  | 1    | Spring Pin (Incl. Ref.#4)       |  |  |  |  |
| ❷   | 590600   | 1    | Washer                          |  |  |  |  |
| ❸   | 590679   | 1    | Retainer                        |  |  |  |  |
| ❹   | 590601   | 1    | Washer                          |  |  |  |  |
| ❺   | 590678   | 1    | Spring-Brake                    |  |  |  |  |
| ❻   | 590680   | 2    | Dog-Starter                     |  |  |  |  |
| ❼   | 590412   | 2    | Spring-Dog                      |  |  |  |  |
| ❽   | 590682   | 1    | Pulley And Rewind Spring ASM    |  |  |  |  |
| ❾   | 590750   | 1    | Starter Housing ASM             |  |  |  |  |
| ❿   | 590535   | 1    | 98 Starter Rope (Cut To Length) |  |  |  |  |
| ⓫   | 590574   | 1    | Handle-Starter, Mitten Grip     |  |  |  |  |



**Recoil Starter No. 590733**  
**Tecumseh HMSK80-155672V (Model No. 38078 Only)**

| Ref | Part No. | Qty. | Description                     |  |  |  |  |
|-----|----------|------|---------------------------------|--|--|--|--|
| ❶1  | 590599A  | 1    | Spring Pin (Incl. Ref.# 4)      |  |  |  |  |
| ❷2  | 590600   | 1    | Washer                          |  |  |  |  |
| ❸3  | 590696   | 1    | Retainer                        |  |  |  |  |
| ❹4  | 590601   | 1    | Washer                          |  |  |  |  |
| ❺5  | 590697   | 1    | Spring-Brake                    |  |  |  |  |
| ❻6  | 590698   | 2    | Dog-Starter                     |  |  |  |  |
| ❼7  | 590699   | 2    | Spring-Dog                      |  |  |  |  |
| ❽8  | 590709   | 1    | Pulley And Rewind Spring ASM    |  |  |  |  |
| ❾11 | 590734   | 1    | Starter Housing ASM             |  |  |  |  |
| ❿12 | 590535   | 1    | 98 Starter Rope (Cut To Length) |  |  |  |  |
| ⓫13 | 590574   | 1    | Handle-Starter, Mitten Grip     |  |  |  |  |



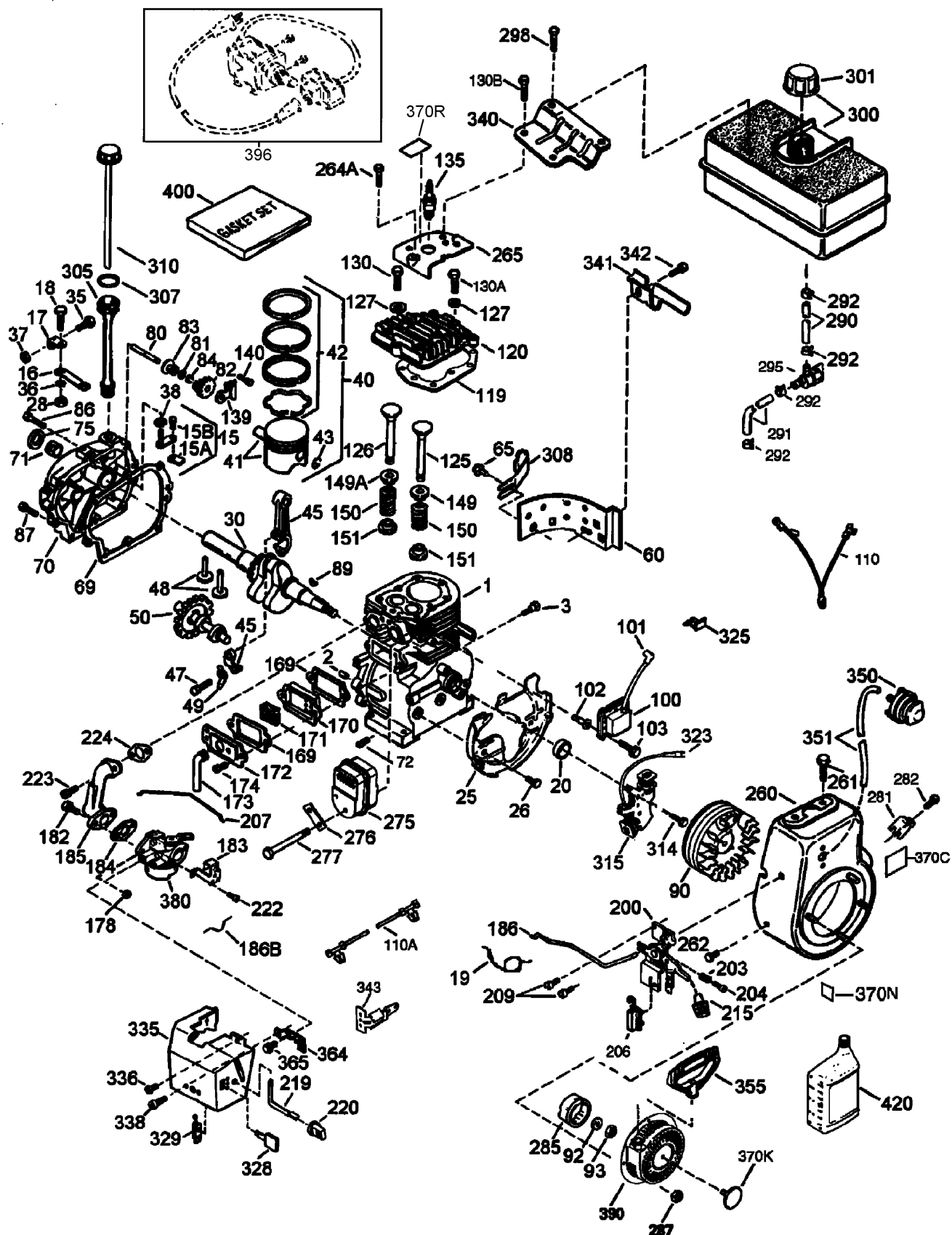


**Electric Starter No. 33329e (110 Volt)**  
**Tecumseh HMSK80-155672V (Model No. 38078 Only)**

| Ref | Part No. | Qty. | Description                            |  |  |  |  |
|-----|----------|------|----------------------------------------|--|--|--|--|
| 41  | 33451    | 1    | Cover-Dust                             |  |  |  |  |
| 42  | 33842    | 1    | Ring-Retainer                          |  |  |  |  |
| 43  | 33430    | 1    | Retainer-Spring                        |  |  |  |  |
| 44  | 33431    | 1    | Spring-Anti Drift                      |  |  |  |  |
| 45A | 37050    | 1    | Gear & Nut (Incl. Ref.# 2)             |  |  |  |  |
| 46  | 35449    | 1    | Drive End Cap ASM (Incl. Ref.#7)       |  |  |  |  |
| 47  | 35450    | 2    | O-Ring                                 |  |  |  |  |
| 48  | 35915    | 1    | Armature                               |  |  |  |  |
| 49  | 35451A   | 1    | Housing ASM                            |  |  |  |  |
| 410 | 35452A   | 1    | Brush Card ASM                         |  |  |  |  |
| 411 | 35911    | 1    | Washer-Thrust                          |  |  |  |  |
| 413 | 590500   | 1    | Washer-Thrust                          |  |  |  |  |
| 414 | 33441    | 1    | Screw-Ground                           |  |  |  |  |
| 415 | 35453    | 1    | Commutator End Cap ASM (Incl. Ref.# 7) |  |  |  |  |
| 416 | 35454    | 1    | Switch Box ASM                         |  |  |  |  |
| 422 | 35455    | 2    | Bolt-Case                              |  |  |  |  |
| 423 | 35456    | 1    | Screw-Ground                           |  |  |  |  |
| 426 | 650819   | 2    | Screw (6-32X2-1/2)                     |  |  |  |  |
| 426 | 651032   | 2    | Screw (12-16 X 5/8)                    |  |  |  |  |
| 429 | 32450B   | 1    | Cord-Extension (10-6)                  |  |  |  |  |
| 430 | 30063    | 2    | Screw (T-30 1/4-20X1/2)                |  |  |  |  |
| 431 | 650820   | 2    | Screw (1/4-20X1/2)                     |  |  |  |  |

# Engine Assembly No. 1

## Tecumseh HMSK80-155645V (Model No. 38053 only)



# Engine Assembly No. 1

## Tecumseh HMSK80-155645V (Model No. 38053 only)

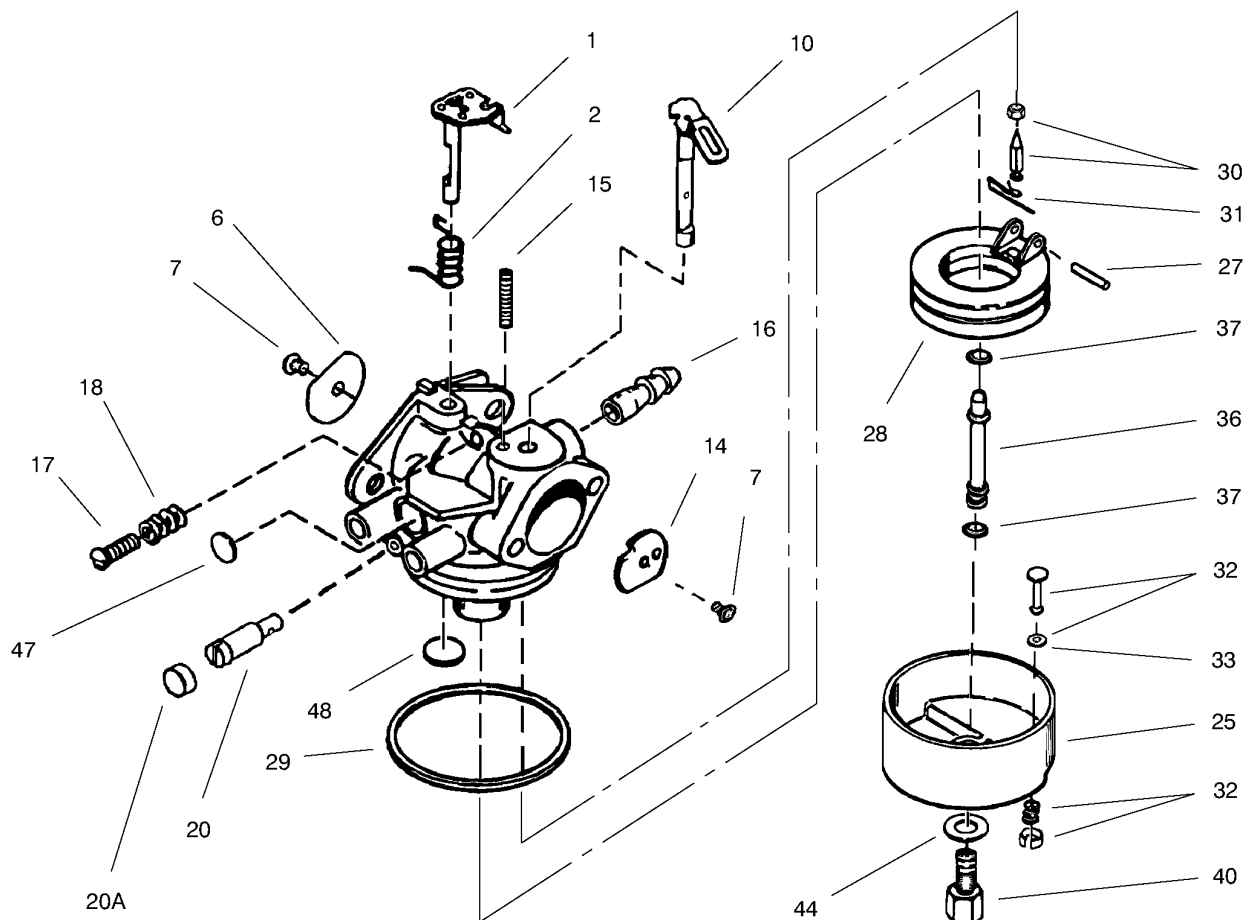
| Ref  | Part No. | Qty. | Description                                 | Ref    | Part No. | Qty. | Description                                             |
|------|----------|------|---------------------------------------------|--------|----------|------|---------------------------------------------------------|
| 41   | 35385    | 1    | Cylinder ASM (Includes 2, 20, 72)           | 492    | 650880   | 1    | Washer-Belleville                                       |
| 42   | 27652    | 2    | Pin-Dowel                                   | 493    | 650881   | 1    | Nut-Flywheel                                            |
| 43   | 650820   | 2    | Screw (1/4-20X1/2)                          | 4100   | 35135    | 1    | Solid State ASM                                         |
| 415  | 30699C   | 1    | Rod-Governor (Includes 15A, 15B)            | 4101   | 610118   | 1    | Cover-Spark Plug                                        |
| 415A | 30700    | 1    | Yoke-Governor                               | 4102   | 651024   | 2    | Stud-Mounting, Solid State                              |
| 415B | 650494   | 1    | Screw (6-40X5/16)                           | 4103   | 651007   | 2    | Screw (T-15, 10-24 X 15/16)                             |
| 416  | 33454    | 1    | Lever-Governor                              | 4110   | 35187    | 1    | Wire-Ground                                             |
| 417  | 29916    | 1    | Clamp-Lever, Governor                       | 4110A  | 37047    | 1    | Wire-Ground (10.50 With Male And Female Flag Terminals) |
| 418  | 651028   | 1    | Screw (T-15, 8-32X7/16)                     | 4119   | 36448    | 1    | Gasket-Head, Cylinder                                   |
| 419  | 34663    | 1    | Spring-Throttle                             | 4120   | 36449    | 1    | Head-Cylinder                                           |
| 420  | 35319    | 1    | Seal-Oil                                    | 4125   | 27878A   | 1    | Valve-Exhaust (STD) (Includes 151)                      |
| 425  | 36460    | 1    | Baffle-Housing, Blower                      | 4125   | 27880A   | 1    | Valve-Exhaust (1/32 O S) (Includes 151)                 |
| 426  | 650561   | 2    | Screw (1/4-20X19/32)                        | 4126   | 34035    | 1    | Valve-Intake (STD) (Includes 151)                       |
| 428  | 30322    | 1    | Nut-Lock (8-32)                             | 4126   | 34036    | 1    | Valve-Intake (.03 O S)                                  |
| 430  | 35571A   | 1    | Crankshaft                                  | 4127   | 650691   | 2    | Washer                                                  |
| 435  | 29826    | 1    | Screw (10-32X3/4)                           | 4130   | 6021A    | 7    | Screw (5/16-18X1-1/2)                                   |
| 436  | 29918    | 1    | Washer-Lock (8)                             | 4130A  | 650727   | 2    | Screw (5/16-18X1-25/32)                                 |
| 437  | 29216    | 1    | Nut-Lock (10-32)                            | 4130B  | 651055   | 2    | Screw (5/16-18X39/64)                                   |
| 438  | 29642    | 1    | Ring-Retaining                              | 4135   | 35395    | 1    | Spark Plug-Resistor (R J19 L M)                         |
| 440  | 40011    | 1    | Piston-Pin And Ring Set (STD)               | 4139   | 33369    | 1    | Bracket-Gear, Governor                                  |
| 440  | 40012    | 1    | Piston- Pin And Ring Set (.010 O S)         | 4140   | 650836   | 2    | Screw (10-24X1/2)                                       |
| 441  | 40009    | 1    | Piston And Pin ASM (STD)(Includes 43)       | 4149   | 27882    | 1    | Cap-Spring, Valve                                       |
| 441  | 40010    | 1    | Piston And Pin ASM (.010 O S) (Includes 43) | 4149A  | 35862    | 1    | Cap-Spring, Valve                                       |
| 442  | 40013    | 1    | Ring Set (STD)                              | 4150   | 27881    | 2    | Spring-Valve                                            |
| 442  | 40014    | 1    | Ring Set (.010 O S)                         | 4151   | 32581    | 2    | Keeper-Spring, Valve                                    |
| 443  | 27888    | 2    | Ring-Retaining, Piston Pin                  | 415169 | 27896A   | 2    | Gasket-Cover, Valve                                     |
| 445  | 36897    | 1    | Connecting Rod ASM (Includes 47, 49)        |        |          |      |                                                         |
| 447  | 651033   | 2    | Bolt-Rod, Connecting                        |        |          |      |                                                         |
| 448  | 34034    | 2    | Lifter-Valve                                |        |          |      |                                                         |
| 449  | 36896    | 1    | Dipper-Oil                                  |        |          |      |                                                         |
| 450  | 35375    | 1    | Camshaft (Mcr)                              |        |          |      |                                                         |
| 460  | 33273A   | 1    | Extension-Housing, Blower                   |        |          |      |                                                         |
| 465  | 650128   | 1    | Screw (10-24X1/2)                           |        |          |      |                                                         |
| 4569 | 35262A   | 1    | Gasket-Cover, Cylinder                      |        |          |      |                                                         |
| 470  | 35376    | 1    | Cover-Cylinder (Includes 71, 75, 80)        |        |          |      |                                                         |
| 471  | 35377    | 1    | Bushing-Crankshaft                          |        |          |      |                                                         |
| 472  | 27642    | 1    | Plug-Drain, Oil (SQH 1/4-18)                |        |          |      |                                                         |
| 475  | 35319    | 1    | Seal-Oil                                    |        |          |      |                                                         |
| 480  | 31845    | 1    | Shaft-Governor                              |        |          |      |                                                         |
| 481  | 30590A   | 1    | Washer                                      |        |          |      |                                                         |
| 482  | 35378    | 1    | Governor Gear ASM (Includes 81)             |        |          |      |                                                         |
| 483  | 30588A   | 1    | Spool-Governor                              |        |          |      |                                                         |
| 484  | 29193    | 1    | Ring-Retaining                              |        |          |      |                                                         |
| 486  | 650833   | 7    | Screw (1/4-20X1-3/16)                       |        |          |      |                                                         |
| 487  | 650832   | 1    | Screw (1/4-20X1-11/16)                      |        |          |      |                                                         |
| 489  | 32589    | 1    | Key-Flywheel                                |        |          |      |                                                         |
| 490  | 611093   | 1    | Flywheel ASM                                |        |          |      |                                                         |



## Engine Assembly No. 2

### Tecumseh HMSK80-155645V (Model No. 38053 only)

| Ref   | Part No. | Qty. | Description                                  | Ref   | Part No. | Qty. | Description                                   |
|-------|----------|------|----------------------------------------------|-------|----------|------|-----------------------------------------------|
| 4170  | 28423    | 1    | Body-Breather                                | 4325  | 29443    | 1    | Clip-Wire                                     |
| 4171  | 28424    | 1    | Element-Breather                             | 4328  | 35062    | 2    | Key, Ignition                                 |
| 4172  | 28425    | 1    | Cover-Valve                                  | 4329  | 610973   | 1    | Terminal                                      |
| 4173  | 35350    | 1    | Tube-Breather                                | 4335  | 35057A   | 1    | Cover-Carburetor                              |
| 4174  | 650128   | 2    | Screw (10-24X1/2)                            | 4336  | 650765   | 1    | Screw (10-32X1/2)                             |
| 4178  | 29752    | 2    | Nut And Lock Washer (1/4-28)                 | 4338  | 28942    | 2    | Screw (10-32 X 3/8)                           |
| 4182  | 30088A   | 2    | Screw (1/4-28X1)                             | 4340  | 34154    | 1    | Bracket-Tank, Fuel (Black)                    |
| 4183  | 34587A   | 1    | Bracket-Choke                                | 4341  | 34155    | 1    | Bracket-Tank, Fuel                            |
| 4184  | 33263    | 1    | Gasket-Carburetor To Intake Pipe             | 4342  | 650561   | 1    | Screw (1/4-20X19/32)                          |
| 4185  | 33877    | 1    | Pipe-Intake                                  | 4343  | 35079    | 1    | Bracket-Switch, Key                           |
| 4186  | 34667    | 1    | Link-Governor                                | 4350  | 570682A  | 1    | Primer ASM                                    |
| 4186B | 36652    | 1    | Spring-Choke                                 | 4351  | 32180C   | 1    | Line-Primer                                   |
| 4200  | 34677    | 1    | Bracket-Control (Includes 19, 203, 204, 206) | 4355  | 590574   | 1    | Handle-Starter, Mitten Grip                   |
| 4203  | 31342    | 1    | Spring-Compression                           | 4364  | 33377    | 1    | Bracket-Carburetor                            |
| 4204  | 651029   | 1    | Screw (T-10, 5-40X7/16)                      | 4365  | 650767   | 2    | Screw (8-32X27/64)                            |
| 4206  | 610973   | 1    | Terminal                                     | 4370C | 36501    | 1    | Decal-Primer-International Symbol             |
| 4207  | 33878    | 1    | Link-Throttle                                | 4370K | 36695    | 1    | Decal-Tecumseh Logo For Top Of Recoil Starter |
| 4209  | 650821   | 2    | Screw (10-32 X 1/2)                          | 4370N | 35077    | 1    | Decal-Speed Control And Choke                 |
| 4215  | 35440    | 1    | Knob-Control                                 | 4370R | 37119    | 1    | Decal-Warning (Bilingual)                     |
| 4219  | 34586    | 1    | Rod-Choke                                    | 4380  | 640052   | 1    | Carburetor ASM (Includes 184)                 |
| 4220  | 35438    | 1    | Knob-Control                                 | 4390  | 590749   | 1    | Starter-Rewind                                |
| 4222  | 28820    | 2    | Screw (10-32 X 1/2)                          | 4396  | 179-160  | 1    | Electric Starter Motor, 230 Volt (Optional)   |
| 4223  | 650378   | 2    | Screw (T-30, 5/16-18X1-3/32)                 | 4400  | 36450A   | 1    | Gasket Set                                    |
| 4224  | 27915A   | 1    | Gasket-Pipe, Intake                          | 4420  | 730226   | 1    | Oil-Engine (Sae 5W30)                         |
| 4260  | 35447A   | 1    | Housing-Blower                               |       |          |      |                                               |
| 4261  | 650788   | 2    | Screw (5/16-18X3/4)                          |       |          |      |                                               |
| 4262  | 29747B   | 2    | Screw                                        |       |          |      |                                               |
| 4264A | 650802   | 1    | Screw (1/2-20X5/8)                           |       |          |      |                                               |
| 4265  | 33272B   | 1    | Cover-Cylinder Head                          |       |          |      |                                               |
| 4275  | 35056    | 1    | Muffler                                      |       |          |      |                                               |
| 4276  | 31588    | 1    | Plate-Locking                                |       |          |      |                                               |
| 4277  | 651002   | 2    | Screw (5/16-18X4-3/16)                       |       |          |      |                                               |
| 4281  | 33013    | 1    | Screw                                        |       |          |      |                                               |
| 4282  | 650760   | 1    | Screw (8-32 X 3/8)                           |       |          |      |                                               |
| 4285  | 35985B   | 1    | Cup-Starter                                  |       |          |      |                                               |
| 4287  | 29752    | 4    | Nut And Lock Washer (1/4-28)                 |       |          |      |                                               |
| 4290  | 29774    | 1    | Line-Fuel (8.62)                             |       |          |      |                                               |
| 4291  | 30705    | 1    | Line-Fuel                                    |       |          |      |                                               |
| 4292  | 26460    | 4    | Clamp-Line, Fuel                             |       |          |      |                                               |
| 4295  | 35857    | 1    | Valve-Shut Off, Fuel                         |       |          |      |                                               |
| 4298  | 650665   | 2    | Screw (1/4-15X7/8)                           |       |          |      |                                               |
| 4300  | 34156A   | 1    | Tank-Fuel (Includes 292, 301)                |       |          |      |                                               |
| 4301  | 36246    | 1    | Cap-Fuel                                     |       |          |      |                                               |
| 4305  | 35554    | 1    | Tube-Fill, Oil                               |       |          |      |                                               |
| 4307  | 35499    | 1    | O-Ring                                       |       |          |      |                                               |
| 4308  | 35540    | 1    | Clip-Tube, Fill                              |       |          |      |                                               |
| 4310  | 36205    | 1    | Gauge Oil ASM                                |       |          |      |                                               |
| 4314  | 650873   | 1    | Screw (1/4-20 X 3/4)                         |       |          |      |                                               |
| 4315  | 611111   | 1    | Coil-Alternator, 18 Watt (Includes 323)      |       |          |      |                                               |
| 4323  | 611118   | 1    | Terminal                                     |       |          |      |                                               |

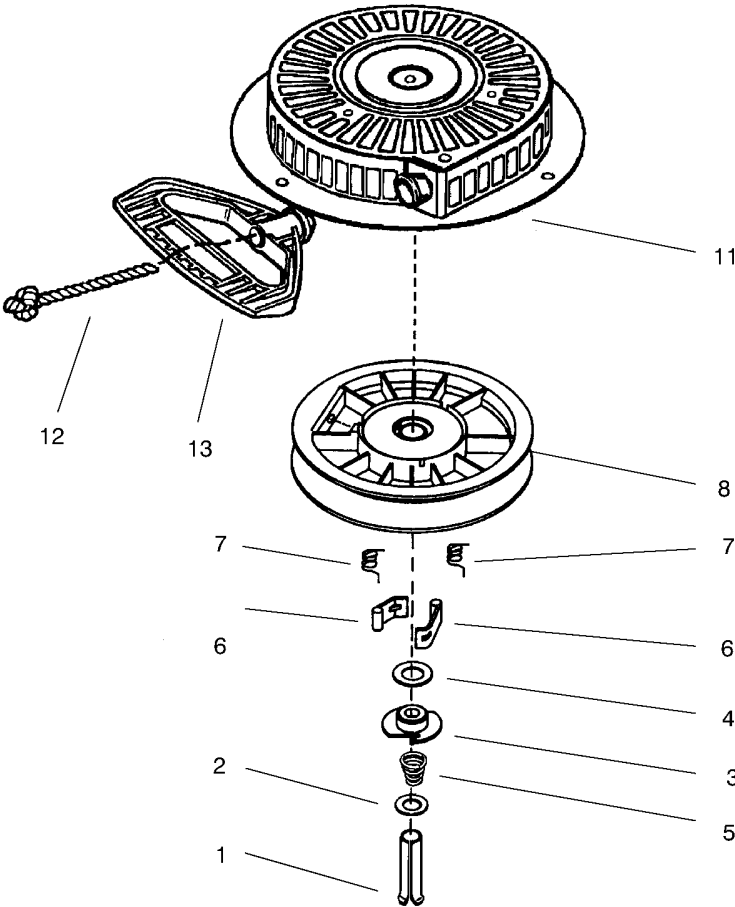


## Carburetor No. 640052

### Tecumseh HMSK80-155645V (Model No. 38053 Only)

| Ref  | Part No. | Qty. | Description                                    |
|------|----------|------|------------------------------------------------|
| ④1   | 631776A  | 1    | Throttle Shaft And Lever ASM                   |
| ④2   | 631970   | 1    | Spring-Return, Throttle                        |
| ④6   | 631778   | 1    | Shutter-Throttle                               |
| ④7   | 650506   | 2    | Screw-Shutter                                  |
| ④10  | 632112   | 1    | Choke Shaft And Lever ASM                      |
| ④14  | 632174   | 1    | Shutter-Choke                                  |
| ④15  | 630735   | 1    | Spring-Positioning, Choke                      |
| ④16  | 632164   | 1    | Fitting-Fuel                                   |
| ④17  | 650417   | 1    | Throttle Crack Screw / Idle Speed Screw        |
| ④18  | 630766   | 1    | Spring-Tension                                 |
| ④20  | 640016   | 1    | Screw-Restrictor, Idle                         |
| ④20A | 640053   | 1    | Cap-Screw, Idle Restrictor                     |
| ④21  | 640053   | 1    | Cap-Screw, Idle Restrictor                     |
| ④25  | 631951   | 1    | Float Bowl Assembly (Incl. Ref. #32 & 33)      |
| ④27  | 631024   | 1    | Shaft-Float                                    |
| ④28  | 632019   | 1    | Float                                          |
| ④29  | 631028   | 1    | O-Ring-Bowl, Float                             |
| ④30  | 631021   | 1    | Inlet Needle, Seat & Clip ASM (Incl. Ref. #31) |
| ④31  | 631022   | 1    | Clip-Spring                                    |
| ④32  | 27136A   | 1    | Drain Assembly (Incl. Ref. #33)                |
| ④33  | 27554    | 1    | Gasket-Plunger, Drain                          |
| ④36  | 640005   | 1    | Tube-Nozzle, Main                              |

| Ref | Part No. | Qty. | Description                   |
|-----|----------|------|-------------------------------|
| ④37 | 632547   | 2    | O-Ring-Nozzle Tube, Main      |
| ④40 | 640055   | 1    | Nut-High Speed, Bowl          |
| ④44 | 27110    | 1    | Washer-Bowl Nut               |
| ④47 | 630748   | 1    | Plug-Welch, Idle Mixture Well |
| ④48 | 631027   | 1    | Plug-Welch, Atmospheric Vent  |



**Recoil Starter No. 590749**  
**Tecumseh HMSK80-155645V (Model No. 38053 Only)**

| Ref  | Part No. | Qty. | Description                     |  |  |  |  |
|------|----------|------|---------------------------------|--|--|--|--|
| ❶1   | 590599A  | 1    | Pin-Spring (Incl. Ref. #4)      |  |  |  |  |
| ❷2   | 590600   | 1    | Washer                          |  |  |  |  |
| ❸3   | 590679   | 1    | Retainer                        |  |  |  |  |
| ❹4   | 590601   | 1    | Washer                          |  |  |  |  |
| ❺5   | 590678   | 1    | Spring-Brake                    |  |  |  |  |
| ❻6   | 590680   | 2    | Dog-Starter                     |  |  |  |  |
| ❼7   | 590412   | 2    | Spring-Dog                      |  |  |  |  |
| ❽8   | 590682   | 1    | Pulley And Rewind Spring ASM    |  |  |  |  |
| ❾11  | 590750   | 1    | Starter Housing ASM             |  |  |  |  |
| ❿12  | 590535   | 1    | 98 Starter Rope (Cut To Length) |  |  |  |  |
| ⓪❶13 | 590574   | 1    | Handle-Starter, Mitten Grip     |  |  |  |  |

## Attachments and Accessories

### For 38053 - 824 Power Throw Snowthrower

| Product Name             | Model/Part |
|--------------------------|------------|
| Drift Breaker .....      | 37-7021    |
| Starter Kit 120vac ..... | 38039      |
| Starter Kit 230vac ..... | 38041      |
| Skid Kit .....           | 40-8160    |
| Tire Chain Kit .....     | 56-2700    |
| Light Kit .....          | 66-7941    |
| Snow Cab .....           | 88-0600    |

## Attachments and Accessories

### For 38078 - 824 Power Throw Snowthrower

| Product Name             | Model/Part |
|--------------------------|------------|
| Drift Breaker .....      | 37-7021    |
| Starter Kit 120vac ..... | 38039      |
| Skid Kit .....           | 40-8160    |
| Tire Chain Kit .....     | 56-2700    |
| Light Kit .....          | 66-7941    |
| Snow Cab .....           | 88-0600    |



## NOTES

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