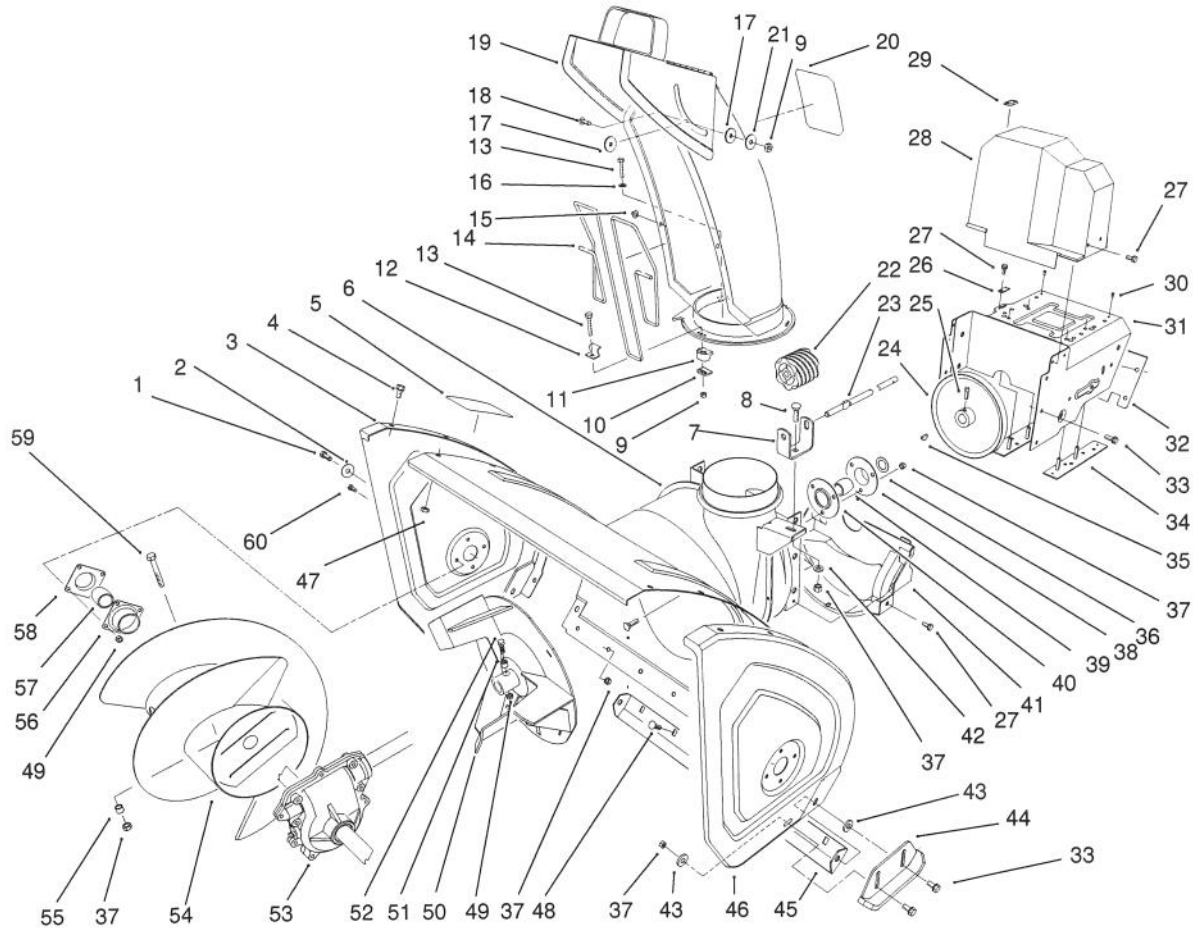


# TORO®

MODEL NO. 38540-2000001 & UP  
MODEL NO. 38543-2000001 & UP

## PARTS CATALOG

### 824 SNOWTHROWER



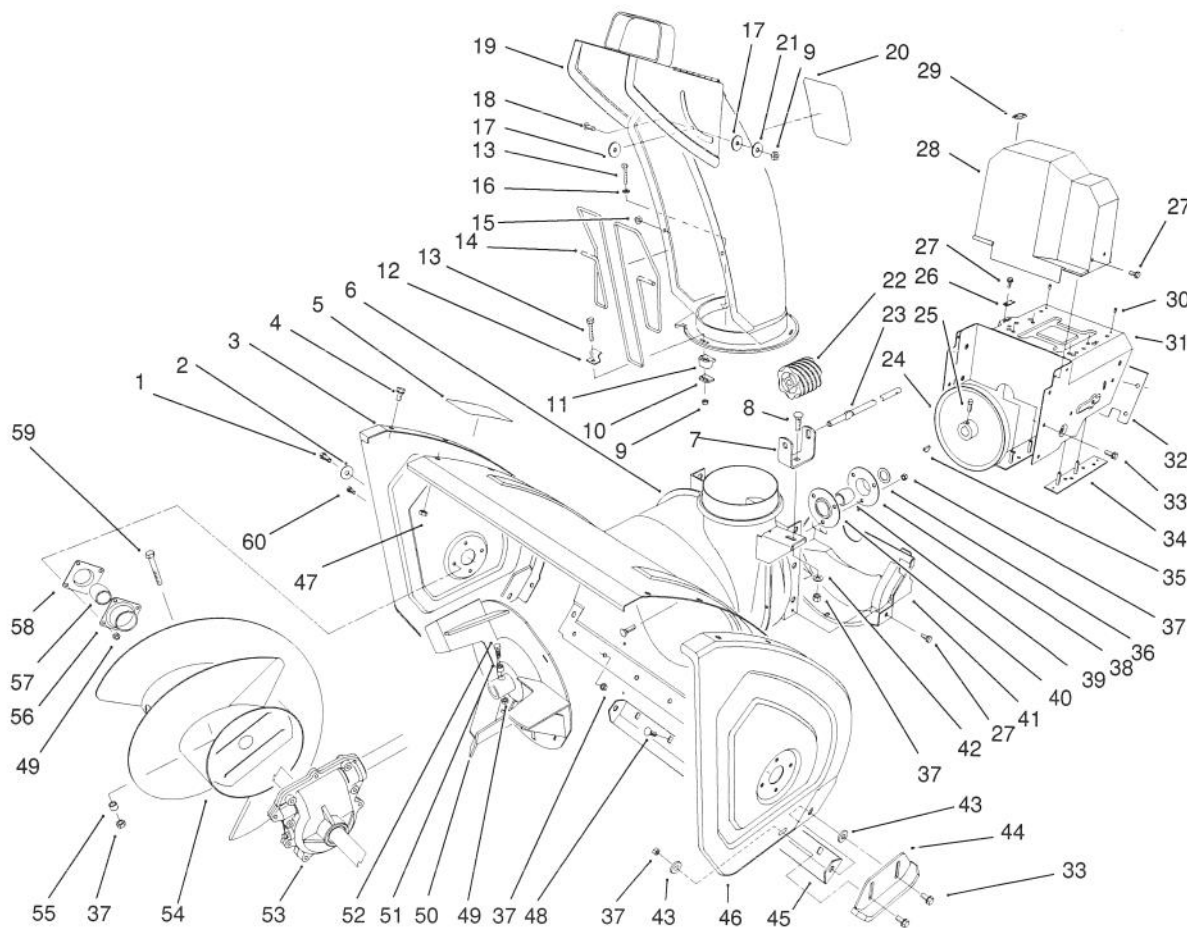
C-0045

### HOUSING & CHUTE ASSEMBLY

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 1        | 323-6    | Screw - Hex Hd.        | 2        |
| 2        | 3-0750   | Washer - Retaining     | 2        |
| 3        | 66-7821  | Plate - Side R.H.      | 1        |
| 4        | 3234-28  | Screw - Hex Flange Hd. | 10       |
| 5        | 53-7670  | Decal - Danger Auger   | 1        |
| 6        | 62-0720  | Housing - 24"          | 1        |
| 7        | 63-2180  | Bracket - Gear         | 1        |
| 8        | 3230-2   | Bolt - Carriage        | 1        |
| 9        | 3296-2   | Nut - Lock             | 4        |
| 10       | 63-2670  | Plate - Chute Retainer | 3        |
| 11       | 62-1430  | Retainer - Chute       | 3        |
| 12       | 63-3130  | Clip - Chute Guard     | 1        |
| 13       | 3274-13  | Screw - Machine        | 3        |
| 14       | 63-3020  | Guard - Chute          | 1        |
| 15       | 3290-326 | Nut - Push             | 2        |
| 16       | 3256-14  | Washer - Flat          | 1        |

| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 17       | 63-2900  | Washer - Plastic        | 2        |
| 18       | 32122-32 | Screw                   | 1        |
| 19       | 62-0840  | Chute Assembly          | 1        |
| 20       | 63-3760  | Decal - Danger Chute    | 1        |
| 21       | 3256-61  | Washer - Flat           | 1        |
| 22       | 62-0820  | Gear - Worm             | 1        |
| 23       | 62-1720  | Rod - Chute Gear        | 1        |
| 24       | 62-1300  | Pulley - Impeller       | 1        |
| 25       | 3242-4   | Screw - Set Sq. Hd.     | 2        |
| 26       | 63-2300  | Retainer - Cable        | 1        |
| 27       | 32144-4  | Screw - Hex. Flange Hd. | 6        |
| 28       | 63-2080  | Cover - Belt (Upper)    | 1        |
| 29       | 63-3290  | Cover - Cable           | 1        |
| 30       | 3269-23  | Rivet                   | 4        |
| 31       | 66-6980  | Frame - Engine          | 1        |
| 32       | 62-1440  | Cover - Engine Frame    | 1        |

\*Not Illustrated



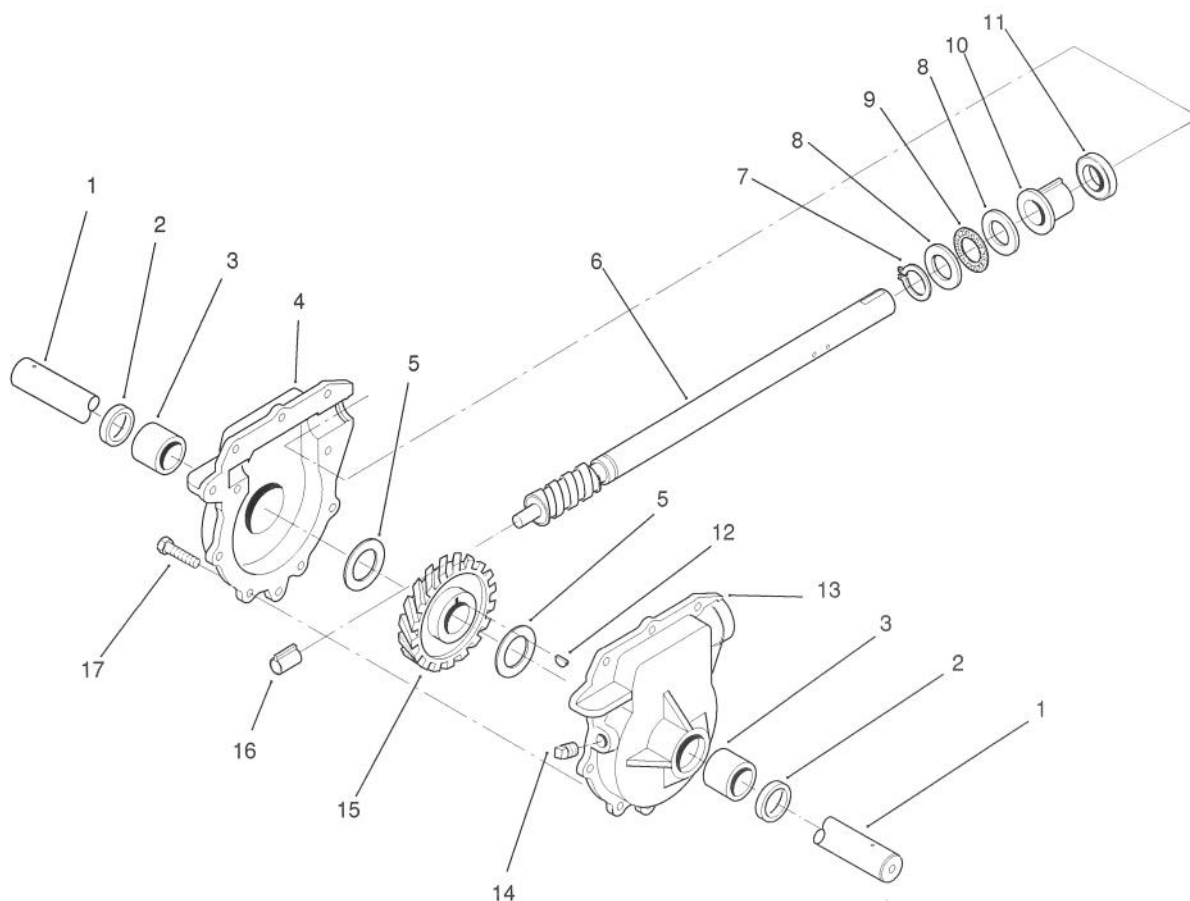
C-0045

## HOUSING & CHUTE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 33       | 3234-5   | Screw - Hex. Washer Hd.   | 10       |
| 34       | 68-4110  | Plate - Engine Stud L.H.  | 1        |
| *        | 68-4100  | Plate - Engine Stud R.H.  | 1        |
| 35       | 3257-23  | Key - Woodruff            | 1        |
| 36       | 252-80   | Washer - Thrust           | 1        |
| 37       | 3296-29  | Nut - Lock                | 14       |
| 38       |          | Flange - Bearing (Front ) | 1        |
| 39       | 63-3450  | Bearing - Impeller        | 1        |
| 40       |          | Flange - Bearing ((Rear)  | 1        |
| 41       | 62-1400  | Cover - Belt (Lower)      | 1        |
| 42       | 3256-23  | Washer - Flat             | 1        |
| 43       | 52-2631  | Washer                    | 4        |
| 44       | 74-1440  | Skid Assembly             | 2        |
| 45       | 66-7762  | Blade - Scraper           | 1        |
| 46       | 66-7831  | Plate - Side L.H.         | 1        |
| 47       | 3296-47  | Nut - Lock                | 12       |
| 48       | 3230-23  | Screw - Carriage          | 9        |
| 49       | 3296-42  | Nut - Lock                | 10       |
| 50       | 66-7910  | Impeller                  | 1        |

| Ref. No. | Part No. | Description                                      | No. Used |
|----------|----------|--------------------------------------------------|----------|
| 51       | 66-8010  | Spacer                                           | 2        |
| 52       | 321-44   | Screw - Hex. Hd.                                 | 2        |
| 53       | 74-1560  | Auger Gearbox Assembly                           | 1        |
| 54       | 63-2750  | Auger - R.H.<br>(Model No. 38540 Only)           | 1        |
| *        | 63-2760  | Auger - L.H.<br>(Model No. 38540 Only)           | 1        |
| *        | 68-7450  | Auger - R.H.<br>(Model No. 38543 Only)           | 1        |
| *        | 68-7460  | Auger - L.H.<br>(Model No. 38543 Only)           | 1        |
| 55       | 25-5090  | Spacer - Auger Hub                               | 2        |
| 56       | 20-0990  | Flange - Bearing (Inner)                         | 2        |
| 57       | 20-0980  | Bearing - Auger                                  | 2        |
| 58       | 20-1000  | Flange - Bearing (Outer)                         | 2        |
| 59       | 17-7030  | Bolt - Auger                                     | 2        |
| 60       | 321-3    | Screw - Hex Hd.                                  | 8        |
| *        | 12-8789  | Impeller Bearing Assembly<br>(Incl. Ref. #38-40) | 1        |

\*Not Illustrated



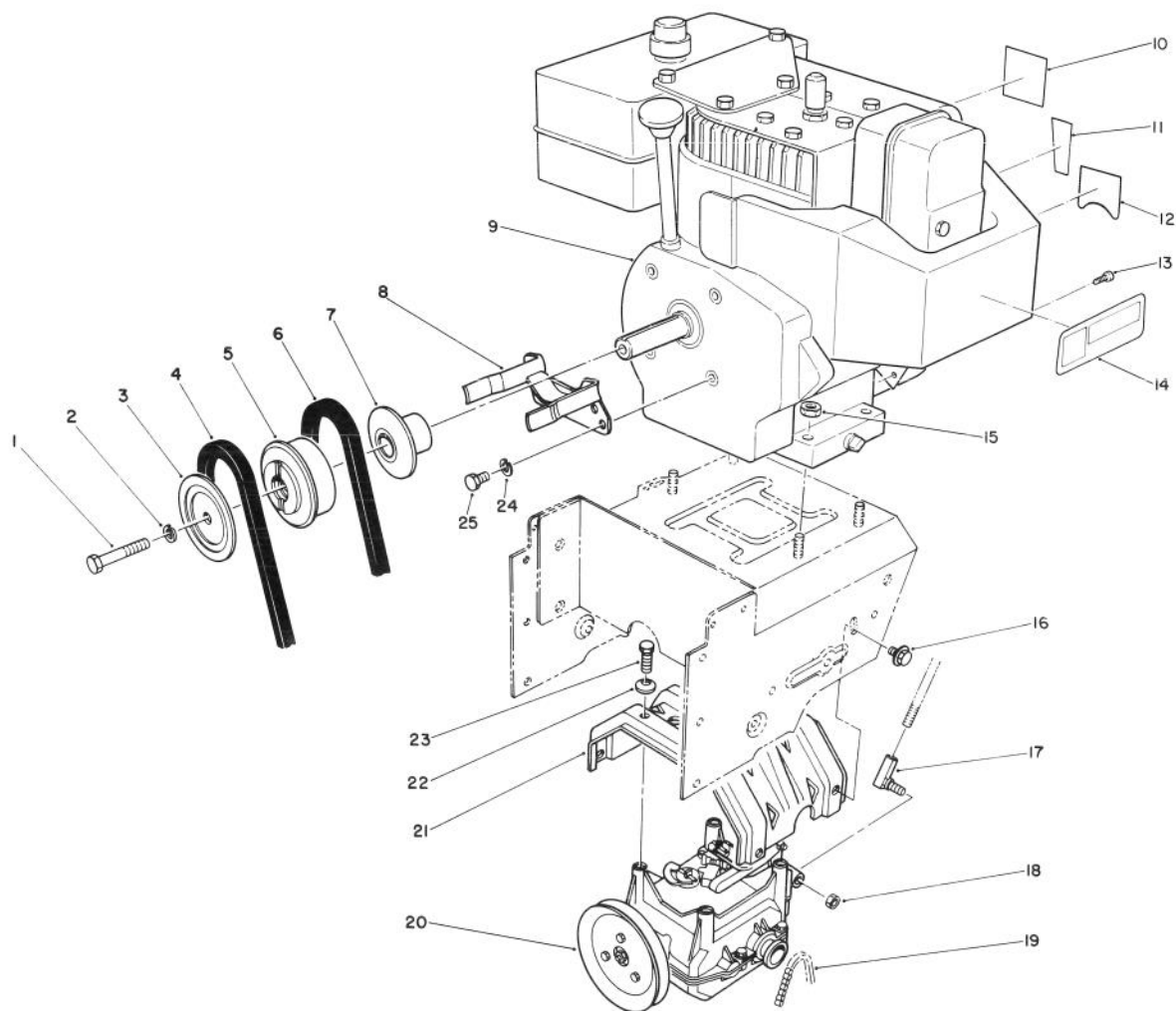
C-1015

## 24" AUGER GEARCASE ASSEMBLY NO. 74-1560

| Ref. No. | Part No. | Description                                    | No. Used |
|----------|----------|------------------------------------------------|----------|
| 1        | 62-1530  | Shaft - Auger (24")                            | 1        |
| 2        | 7-0045   | Seal - Oil                                     | 2        |
| 3        | 256-237  | Bushing - Sleeve                               | 2        |
| 4        | 74-1580  | Gearcase Assembly - R.H.<br>(Incl. Ref. # 2-3) | 2        |
| 5        | 252-71   | Bearing - Thrust                               | 2        |
| 6        | 66-7811  | Shaft - Impeller                               | 1        |
| 7        | 32151-33 | Ring - Snap                                    | 1        |
| 8        | 252-78   | Washer - Thrust                                | 2        |
| 9        | 252-76   | Bearing - Thrust                               | 1        |

| Ref. No. | Part No.  | Description                                    | No. Used |
|----------|-----------|------------------------------------------------|----------|
| 10       | 37-6560   | Bushing - Input                                | 1        |
| 11       | 253-149   | Seal - Input                                   | 1        |
| 12       | 3257-10   | Key - Woodruff                                 | 1        |
| 13       | 74-1570   | Gearcase Assembly - L.H.<br>(Incl. Ref. # 2-3) | 1        |
| 14       | 281-1     | Plug - Pipe Sq. Hd.                            | 1        |
| 15       | 62-0120   | Gear - Helical                                 | 1        |
| 16       | 62-1150   | Bushing - Worm                                 | 1        |
| 17       | 32144-110 | Screw - Hex Washer Hd.                         | 9        |
| *        | 505-129   | Sealant - 100g Tube                            | 1        |

\*Not Illustrated



C-0048

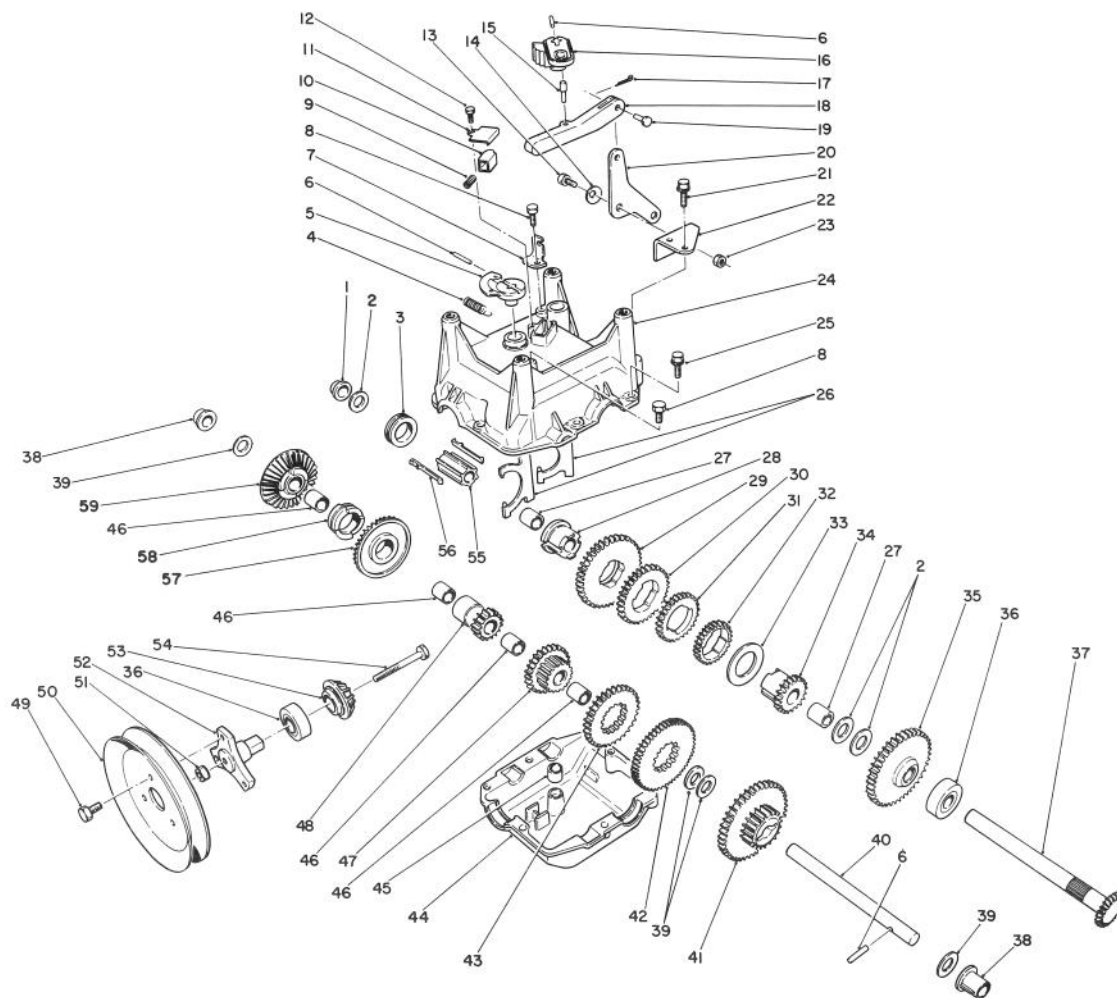
## ENGINE ASSEMBLY

| Ref. No. | Part No. | Description                                   | No. Used |
|----------|----------|-----------------------------------------------|----------|
| 1        | 3212-8   | Screw - Hex. Hd.                              | 1        |
| 2        | 3253-6   | Washer - Lock                                 | 1        |
| 3        | 63-0940  | Sheave Half - Impeller                        | 1        |
| 4        | 63-2961  | Belt - Impeller                               | 1        |
| 5        | 63-0930  | Hub - Sheave                                  | 1        |
| 6        | 63-2951  | Belt - Traction                               | 1        |
| 7        | 63-0920  | Sheave Half - Traction                        | 1        |
| 8        | 68-7510  | Guide - Belt                                  | 1        |
| †9       |          | Engine - Tecumseh Model No. HM80 Type 155337P | 1        |
| 10       | 62-5760  | Decal - Primer                                | 1        |
|          | 63-3190  | Decal - Throttle                              | 1        |
| 12       | 63-2400  | Decal - Choke (Model No. 38540 Only)          | 1        |
| *        | 63-2410  | Decal - Choke (Model No. 38543 Only)          | 1        |

| Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|--------------------------------------------|----------|
| 13       | 32144-4  | Screw                                      | 1        |
| 14       | 66-6840  | Decal - Hot Surface (Model No. 38540 Only) | 1        |
| *        | 63-2310  | Decal - Hot Surface (Model No. 38543 Only) | 1        |
| 15       | 32128-20 | Nut - Lock                                 | 4        |
| 16       | 3234-7   | Screw - Hex Flange Hd.                     | 4        |
| 17       | 63-2640  | Joint- Ball                                | 1        |
| 18       | 3296-39  | Nut - Lock                                 | 1        |
| 19       | 63-2940  | Chain - Drive                              | 1        |
| 20       | 66-8030  | Transmission Assembly                      | 1        |
| 21       | 63-2990  | Frame - Transmission                       | 1        |
| 22       | 3290-461 | Washer - Belleville                        | 4        |
| 23       | 11-0590  | Screw - Cap Hex Hd.                        | 4        |
| 24       | 3253-4   | Washer - Lock                              | 2        |
| 25       | 3210-1   | Screw - Hex Hd.                            | 2        |

\*Not Illustrated

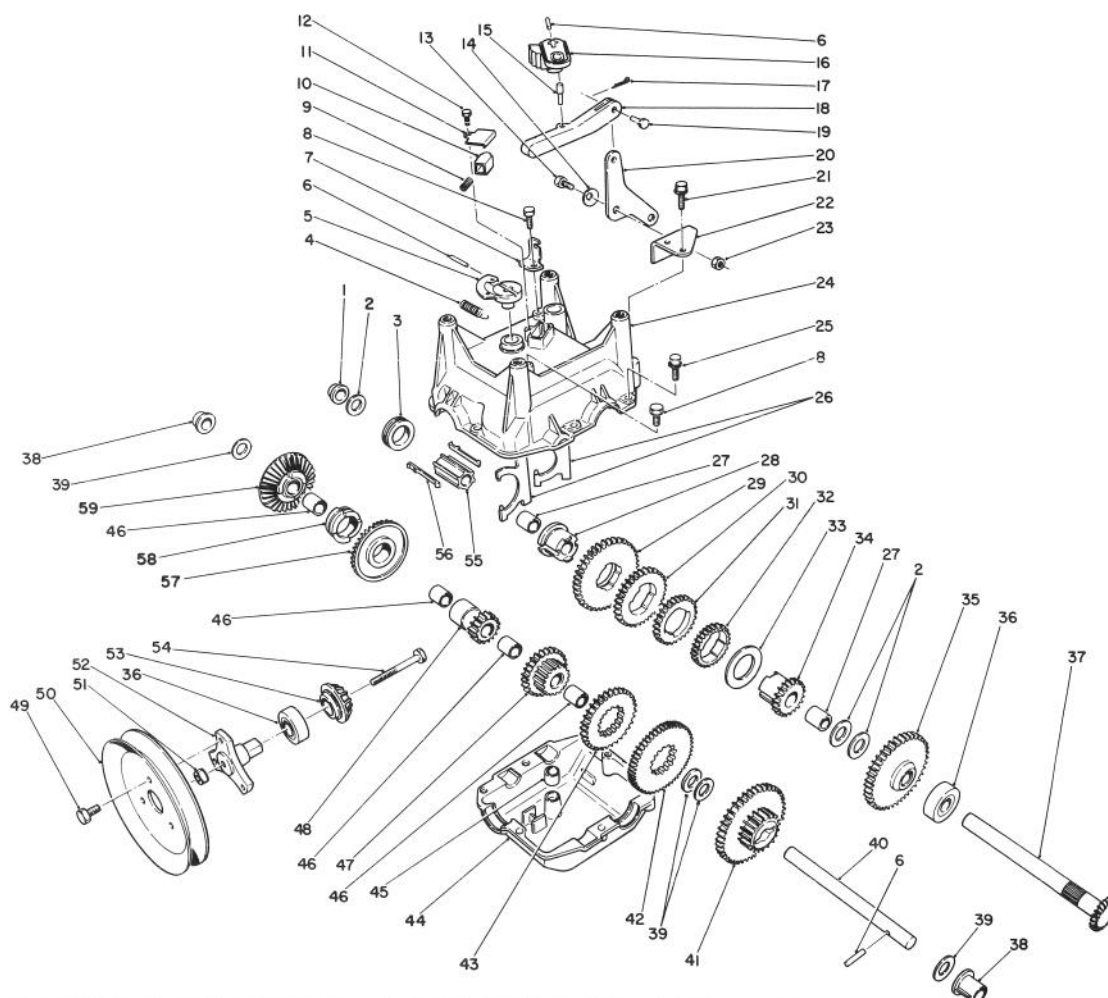
†Obtain from your local Tecumseh Dealer.



C-0052

## TRANSMISSION ASSEMBLY NO. 66-8030

| Ref. No. | Part No.  | Description                     | No. Used | Ref. No. | Part No. | Description             | No. Used |
|----------|-----------|---------------------------------|----------|----------|----------|-------------------------|----------|
| 1        | 62-1180   | Bushing - Output (Flange)       | 1        | 22       | 62-1190  | Bracket - Bellcrank     | 1        |
| 2        | 252-59    | Washer - Thrust                 | 3        | 23       | 3296-42  | Nut - Lock              | 1        |
| 3        | 62-0430   | Collar - Shift (Speed)          | 1        | 24       | 62-0490  | Gear Case - Upper       | 1        |
| 4        | 63-2920   | Spring - Extension (F/R Return) | 1        | 25       | 32144-86 | Screw - Hex Washer Hd.  | 6        |
| 5        | 62-0880   | Lever - Direction Shift         | 1        | 26       | 62-1040  | Yoke-Shift              | 2        |
| 6        | 32121-106 | Pin - Coil                      | 3        | 27       | 62-1350  | Bushing - Output        | 2        |
| 7        | 62-1740   | Bracket - Cable                 | 1        | 28       | 62-0320  | Sleeve                  | 1        |
| 8        | 32144-4   | Screw - Self Tapping            | 2        | 29       | 62-0240  | Gear - 45T              | 1        |
| 9        | 63-2890   | Spring - Compression (Detent)   | 1        | 30       | 62-0220  | Gear - 34T              | 1        |
| 10       | 62-1020   | Button - Detent                 | 1        | 31       | 62-0200  | Gear - 27T              | 1        |
| 11       | 62-1690   | Cover - Detent                  | 1        | 32       | 62-0250  | Gear - 29T              | 1        |
| 12       | 32104-71  | Screw - Pan Hd.                 | 1        | 33       | 63-2280  | Washer - Thrust         | 1        |
| 13       | 63-3410   | Bolt - Shoulder                 | 1        | 34       | 62-0340  | Sleeve - Gear 19T       | 1        |
| 14       | 3290-477  | Washer - Curved                 | 1        | 35       | 62-0370  | Gear - 41T              | 1        |
| 15       | 63-2190   | Pin - Gearshift Link            | 1        | 36       | 38-7820  | Bearing - Ball          | 2        |
| 16       | 62-0870   | Lever - Gear Shift              | 1        | 37       | 62-1080  | Shaft - Output          | 1        |
| 17       | 3272-1    | Pin - Cotter                    | 1        | 38       | 62-1170  | Bushing - Flange        | 2        |
| 18       | 62-0860   | Link - Gearshift                | 1        | 39       | 257-10   | Washer - Thrust         | 4        |
| 19       | 283-3     | Pin - Clevis                    | 1        | 40       | 62-0330  | Shaft - Intermediate    | 1        |
| 20       | 63-2600   | Bellcrank                       | 1        | 41       | 62-0360  | Gear - Compound 19T/41T | 1        |
| 21       | 32104-95  | Screw - Hex Washer Hd.          | 2        | 42       | 62-0260  | Gear - 51T              | 1        |
|          |           |                                 |          | 43       | 62-0210  | Gear - 33T              | 1        |
|          |           |                                 |          | 44       | 62-0480  | Gear Case - Lower       | 1        |



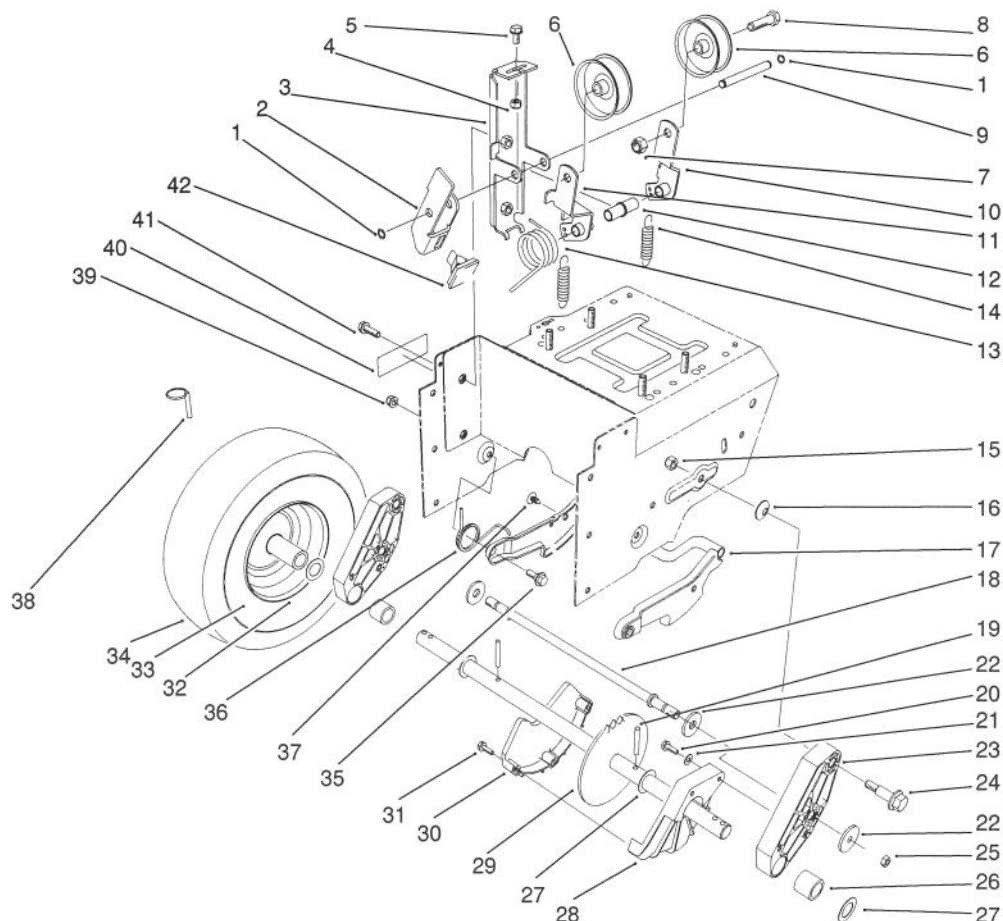
C-0052

## TRANSMISSION ASSEMBLY NO. 66-8030 (Continued)

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 45       | 29-9570  | Bushing - Yoke         | 1        |
| 46       | 62-1160  | Bushing - Intermediate | 4        |
| 47       | 68-4310  | Gear - 26T             | 1        |
| 48       | 62-0500  | Gear - 15T             | 1        |
| 49       | 12-3270  | Screw                  | 3        |
| 50       | 62-1310  | Pulley - Traction      | 1        |
| 51       | 32128-32 | Nut - Flange Lock      | 1        |
| 52       | 62-0380  | Hub - Pulley           | 1        |
| 53       | 62-0350  | Pinion - Bevel 19T     | 1        |

| Ref. No. | Part No. | Description                                  | No. Used |
|----------|----------|----------------------------------------------|----------|
| 54       | 321-15   | Screw - Hex Hd.                              | 1        |
| 55       | 68-4320  | Sleeve - Shift                               | 1        |
| 56       | 62-0310  | Key - Shift                                  | 2        |
| 57       | 67-5870  | Gear - Bevel 36T                             | 1        |
| 58       | 67-5880  | Collar - Shift                               | 1        |
| 59       | 13-3559  | Gear - Bevel Reverse 36T<br>(Incl. Ref. #46) | 1        |
| *        | 505-101  | Grease - 14.5 oz. Cartridge                  | 1        |



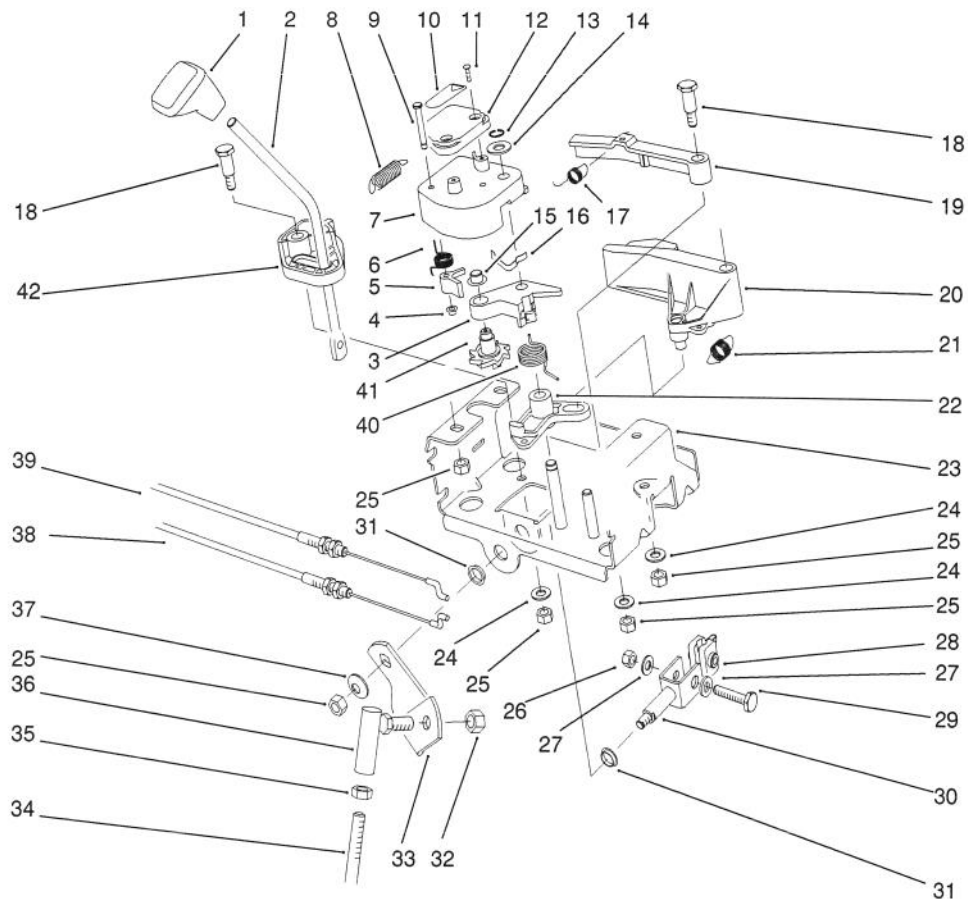


C-0053

## TRACTION DRIVE ASSEMBLY

| Ref. No. | Part No. | Description                             | No. Used | Ref. No. | Part No.  | Description                                  | No. Used |
|----------|----------|-----------------------------------------|----------|----------|-----------|----------------------------------------------|----------|
| 1        | 32120-46 | Ring - Retaining                        | 2        | 25       | 3296-23   | Nut - Lock                                   | 2        |
| 2        | 63-2810  | Arm - Brake                             | 1        | 26       | 63-2250   | Bushing - Axle                               | 2        |
| 3        | 63-2850  | Bracket - Idler Arm                     | 1        | 27       | 252-80    | Washer - Thrust                              | 4        |
| 4        | 3296-42  | Nut - Lock                              | 1        | 28       | 62-1010   | Guard - Chain L.H.                           | 1        |
| 5        | 3234-13  | Screw - Hex. Washer Hd.                 | 1        | 29       | 63-2111   | Axle Assembly                                | 1        |
| 6        | 3-4244   | Pulley - Idler                          | 2        | 30       | 62-1000   | Guard - Chain R.H.                           | 1        |
| 7        | 3296-59  | Nut - Lock                              | 2        | 31       | 32104-121 | Screw - Hex Flange Hd.                       | 3        |
| 8        | 323-7    | Screw - Hex Hd.                         | 2        | 32       | 241-128   | Rim - Wheel                                  | 2        |
| 9        | 62-0970  | Pin - Idler                             | 1        | 33       | 232-46    | Tube - Inner                                 | 2        |
| 10       | 62-1260  | Arm - Traction Idler                    | 1        | 34       | 231-120   | Tire                                         | 2        |
| 11       | 62-1280  | Arm - Impeller Idler                    | 1        | 35       | 5-2490    | Bolt - Shoulder                              | 2        |
| 12       | 62-1210  | Bushing - Idler                         | 1        | 36       | 63-2740   | Spring - Torsion                             | 1        |
| 13       | 63-2880  | Spring - Torsion                        | 1        | 37       | 3290-476  | Fastener - Panel                             | 1        |
| 14       | 63-2870  | Spring - Extension                      | 2        | 38       | 3290-243  | Pin - Klik                                   | 2        |
| 15       | 3296-39  | Nut - Lock                              | 2        | 39       | 3296-47   | Nut - Lock                                   | 2        |
| 16       | 3290-461 | Washer - Belleville                     | 2        | 40       | 66-6860   | Decal - Warning<br>(Model No. 38540 Only)    | 1        |
| 17       | 62-0470  | Latch - Arm                             | 1        | *        | 63-3470   | Decal - Warning<br>(Model No. 38543 Only)    | 1        |
| 18       | 66-7720  | Rod - Latch                             | 1        | 41       | 3234-7    | Screw - Hex Flange Hd.                       | 2        |
| 19       | 32121-9  | Pin - Roll                              | 2        | 42       | 66-8060   | Pad - Brake                                  | 1        |
| 20       | 32144-4  | Screw - Hex Flange Hd.                  | 2        | *        |           | Wheel & Tire Assembly<br>(Incl. Ref. #32-34) | 1        |
| 21       | 3256-1   | Washer - Flat                           | 2        | *        | 56-2700   | Tire Chains Kit (Optional)                   | 1        |
| 22       | 63-3340  | Washer                                  | 4        | *        | 74-1190   | Weight Kit (Optional)                        | 1        |
| 23       | 66-7740  | Pivot Arm Assembly<br>(Incl. Ref. # 26) | 2        |          |           |                                              |          |
| 24       | 62-1330  | Bolt - Shoulder                         | 2        |          |           |                                              |          |

\*Not Illustrated



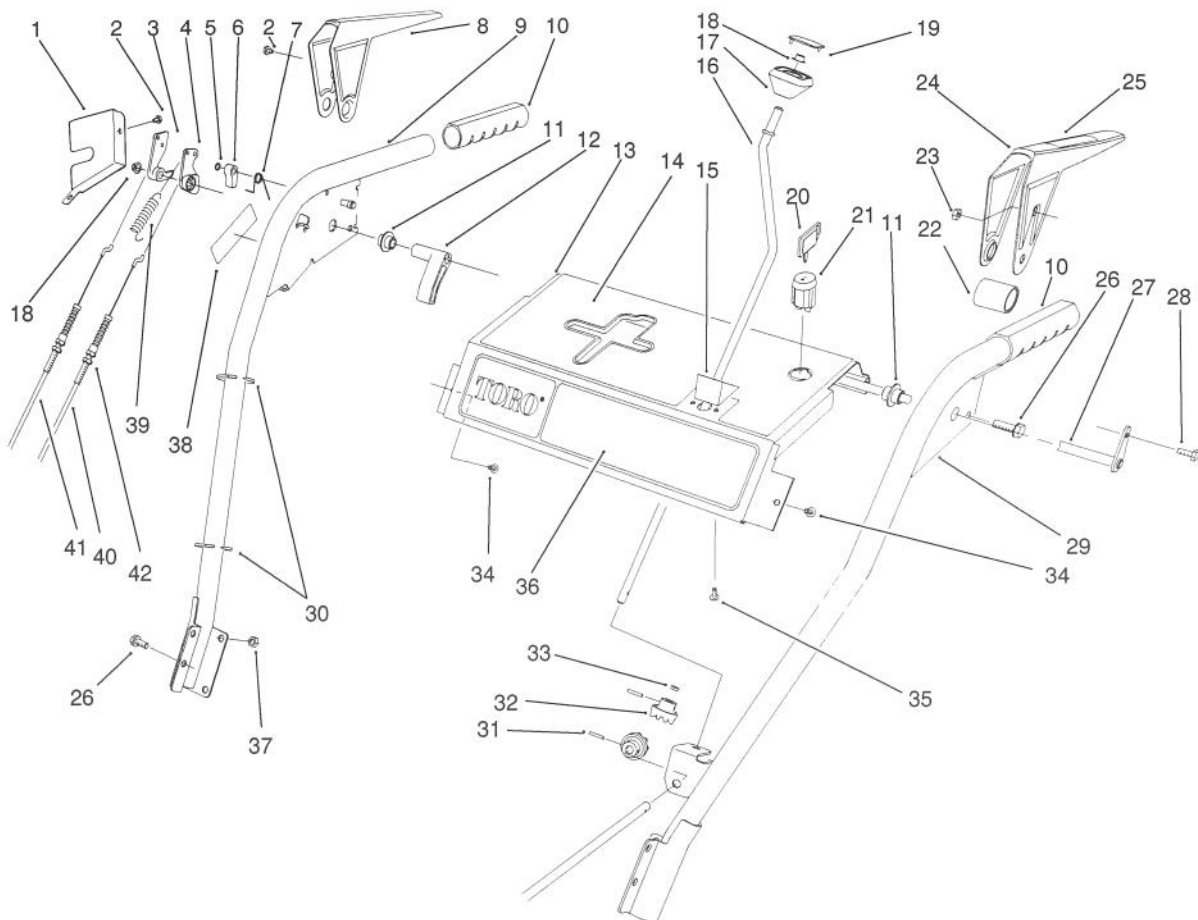
C-0054

## TRACTION LINKAGE ASSEMBLY

| Ref. No. | Part No.  | Description         | No. Used |
|----------|-----------|---------------------|----------|
| 1        | 62-1290   | Knob - Shift        | 1        |
| 2        | 67-9240   | Rod - Shift (Upper) | 1        |
| 3        | 62-1110   | Lever - Index Wheel | 1        |
| 4        | 3290-422  | Nut - Push          | 1        |
| 5        | 62-0180   | Tang - Index        | 1        |
| 6        | 62-1650   | Spring - Torsion    | 1        |
| 7        | 62-1100   | Lever - Latch       | 1        |
| 8        | 63-2220   | Spring - Extension  | 1        |
| 9        | 63-2610   | Pin - Tang          | 1        |
| 10       | 63-2480   | Decal - #2          | 1        |
| 11       | 32104-118 | Screw - Pan Hd.     | 2        |
| 12       | 62-1140   | Cover - Latch       | 1        |
| 13       | 32120-46  | Ring - Retaining    | 1        |
| 14       | 257-9     | Washer - Thrust     | 1        |
| 15       | 3290-320  | Nut - Push          | 1        |
| 16       | 62-1710   | Spring - Flat       | 1        |
| 17       | 63-2240   | Spring - Extension  | 1        |
| 18       | 63-2650   | Screw - Shoulder    | 2        |
| 19       | 62-1700   | Lever - Lockout     | 1        |
| 20       | 62-1130   | Lever - Reverse     | 1        |
| 21       | 63-2230   | Spring - Extension  | 1        |

| Ref. No. | Part No. | Description          | No. Used |
|----------|----------|----------------------|----------|
| 22       | 62-1120  | Lever - Reverse      | 1        |
| 23       | 63-2150  | Frame - Control      | 1        |
| 24       | 3256-23  | Washer - Flat        | 3        |
| 25       | 3296-29  | Nut - Lock           | 7        |
| 26       | 3296-42  | Nut - Lock           | 1        |
| 27       | 3256-1   | Washer - Flat        | 2        |
| 28       | 67-9250  | Retainer - Shift Rod | 1        |
| 29       | 321-9    | Screw - Cap Hex. Hd. | 1        |
| 30       | 66-7730  | Clevis               | 1        |
| 31       | 256-296  | Bushing - Nyliner    | 2        |
| 32       | 3296-39  | Nut - Lock           | 1        |
| 33       | 63-2630  | Bracket - Shift      | 1        |
| 34       | 63-2830  | Rod - Shift (Lower)  | 1        |
| 35       | 3220-3   | Nut - Jam            | 2        |
| 36       | 63-2640  | Joint - Ball         | 1        |
| 37       | 3290-456 | Washer - Belleville  | 1        |
| 38       | 63-2210  | Cable - Gearbox      | 1        |
| 39       | 63-2200  | Cable - Latch        | 1        |
| 40       | 63-2270  | Spring - Torsion     | 1        |
| 41       | 62-0170  | Wheel - Index        | 1        |
| 42       | 62-1470  | Base - Lockout       | 1        |



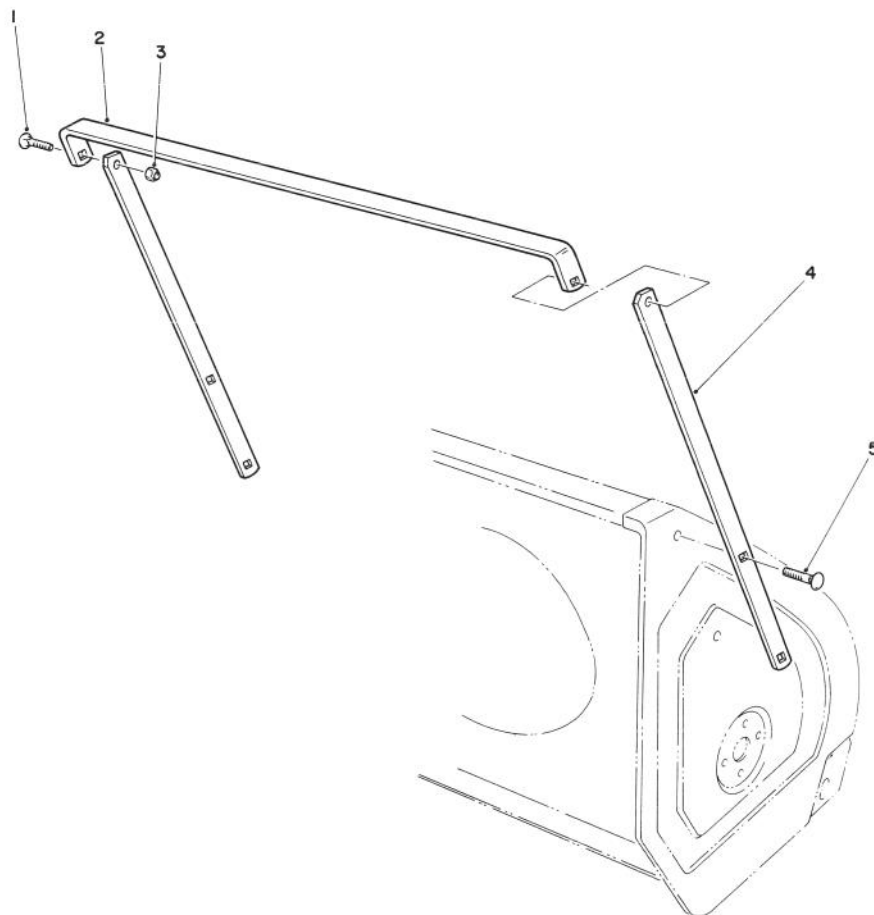


C-0055

## HANDLE ASSEMBLY

| Ref. No. | Part No. | Description                             | No. Used | Ref. No. | Part No.  | Description                           | No. Used |
|----------|----------|-----------------------------------------|----------|----------|-----------|---------------------------------------|----------|
| 1        | 63-2170  | Cover - Lever Lock                      | 1        | 23       | 3296-2    | Nut - Lock                            | 1        |
| 2        | 2210-250 | Screw                                   | 3        | 24       | 62-1060   | Lever - Traction                      | 1        |
| 3        | 62-0300  | Tang - Locking                          | 1        | 25       | 63-3050   | Decal - Lever                         | 1        |
| 4        | 62-0290  | Cam - Release                           | 1        | 26       | 3234-7    | Screw - Hex Flange Hd.                | 6        |
| 5        | 32151-66 | Ring - Retaining                        | 1        | 27       | 63-2030   | Rod - Cross                           | 1        |
| 6        | 62-0280  | Latch - Lock                            | 1        | 28       | 3290-359  | Screw                                 | 1        |
| 7        | 63-2910  | Spring - Torsion                        | 1        | 29       | 66-8091   | Handle - L.H.                         | 1        |
| 8        | 62-1050  | Lever - Impeller                        | 1        | 30       | 3290-378  | Tie - Cable                           | 3        |
| 9        | 62-1381  | Handle - R.H.                           | 1        | 31       | 32121-50  | Pin - Roll                            | 2        |
| 10       | 66-7850  | Handlegrip                              | 2        | 32       | 62-1460   | Gear - Universal                      | 2        |
| 11       | 62-1070  | Bushing - Lever                         | 2        | 33       | 62-1230   | Washer - Rubber                       | 1        |
| 12       | 62-1640  | Lever - Trip                            | 1        | 34       | 32104-76  | Screw - Self Tapping                  | 2        |
| 13       | 66-8100  | Panel - Control                         | 1        | 35       | 32104-118 | Screw - Pan Hd.                       | 2        |
| 14       | 66-6850  | Decal - Panel Top<br>(Model 38580 Only) | 1        | 36       | 63-2530   | Decal - Panel Front                   | 1        |
| *        | 63-2550  | Decal - Panel Top<br>(Model 38566 Only) | 1        | 37       | 3296-47   | Nut - Lock                            | 4        |
| 15       | 62-1490  | Plate - Guide                           | 1        | 38       | 66-6860   | Decal - Warning<br>(Model 38580 Only) | 1        |
| 16       | 63-2160  | Rod - Chute Crank                       | 1        | *        | 63-3470   | Decal - Warning<br>(Model 38566 Only) | 1        |
| 17       | 62-1320  | Knob - Chute Control                    | 1        | 39       | 63-2720   | Spring - Extension                    | 1        |
| 18       | 3290-320 | Nut - Push                              | 3        | 40       | 63-2710   | Cable - Traction                      | 1        |
| 19       | 62-1520  | Cover - Knob                            | 1        | 41       | 63-2700   | Cable - Impeller                      | 1        |
| 20       | 63-8360  | Key - Switch                            | 1        | 42       | 3296-42   | Nut                                   | 4        |
| 21       | 40-5940  | Switch - On/Off                         | 1        | *        | 63-3420   | Harness - Wire                        | 1        |
| 22       | 63-3380  | Spacer - Traction Lever                 | 1        |          |           |                                       |          |

\*Not Illustrated



C-0068

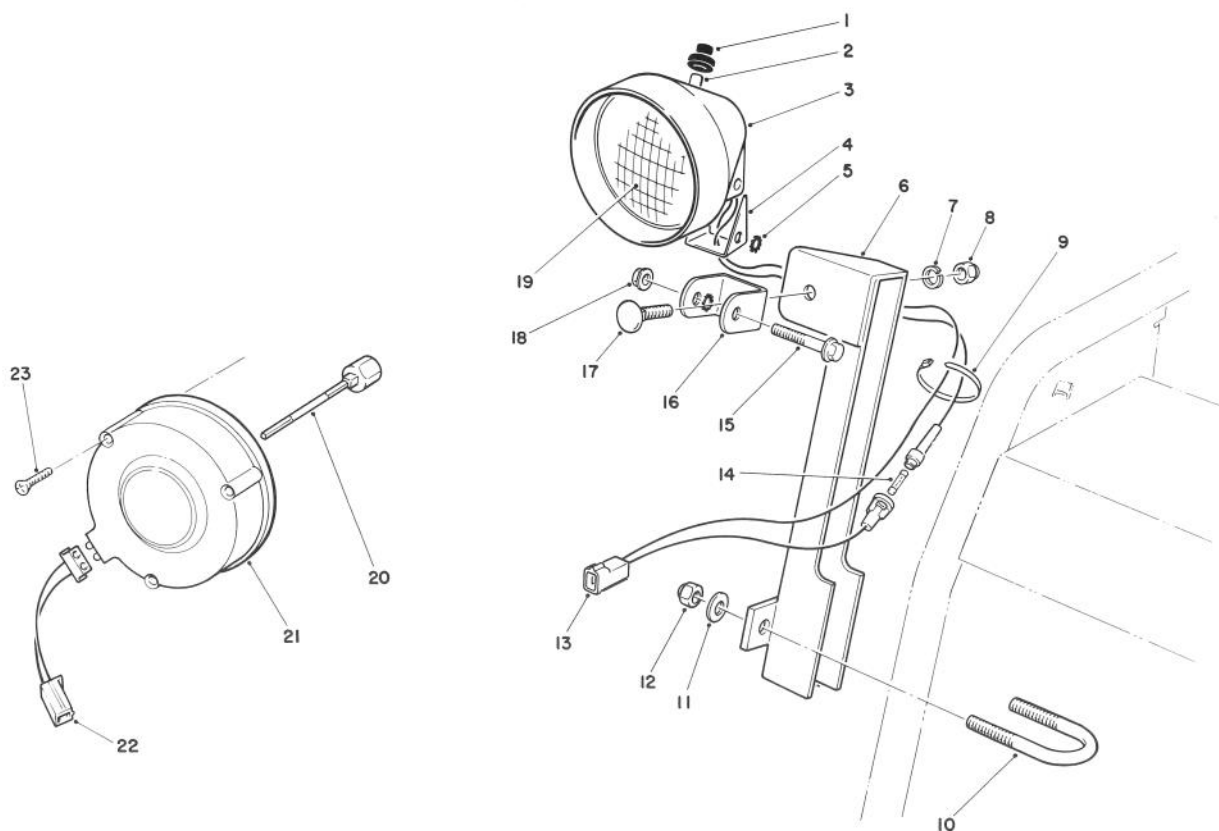
## DRIFT BREAKER ASSEMBLY (Optional)

| Ref. No. | Part No. | Description         | No. Used |
|----------|----------|---------------------|----------|
| 1        | 3230-16  | Bolt - Carriage     | 2        |
| †2       |          | Breaker - Top (24") | 1        |
| 3        | 3296-29  | Nut - Lock          | 6        |
| †4       |          | Breaker - Side      | 2        |

| Ref. No. | Part No. | Description                         | No. Used |
|----------|----------|-------------------------------------|----------|
| 5        | 3230-1   | Bolt - Carriage                     | 4        |
| *        | 66-7960  | Drift Breaker Kit (Incl. Ref. #1-5) | 1        |

\*Not Illustrated

†Items not sold separately.



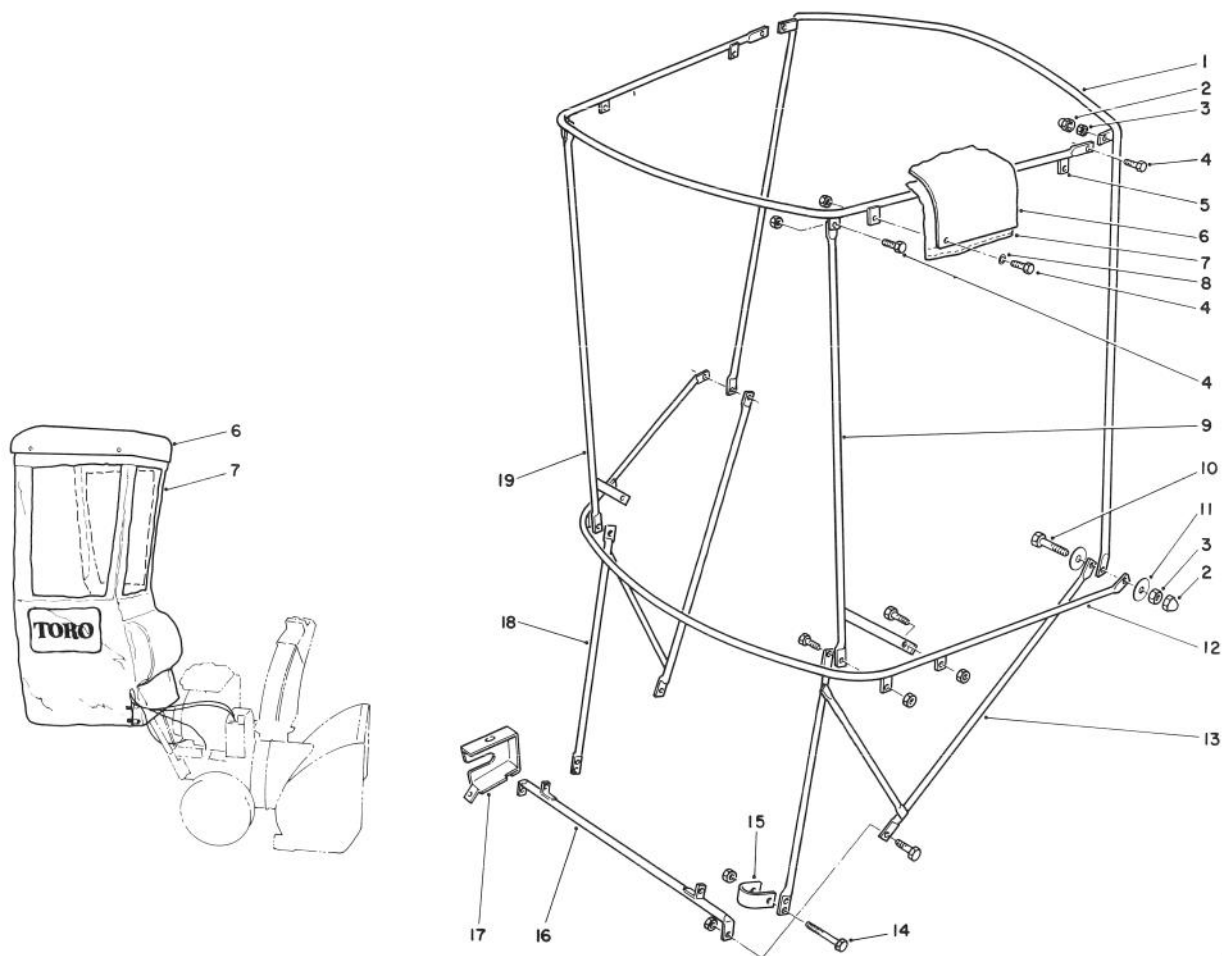
C-0070

## LIGHT KIT NO. 66-7930 (Optional)

| Ref. No. | Part No. | Description       | No. Used | Ref. No. | Part No. | Description                                       | No. Used |
|----------|----------|-------------------|----------|----------|----------|---------------------------------------------------|----------|
| 1        | 218-580  | Boot - Switch     | 1        | †14      |          | Fuse - 7-1/2 Amp.                                 | 1        |
| 2        | 218-553  | Switch Assembly   | 1        | 15       | 322-13   | Screw - Hex. Flange Hd.                           | 1        |
| 3        | 218-552  | Bucket - Headlamp | 1        | 16       | 218-556  | Bracket - U                                       | 1        |
| 4        | 218-554  | Bracket           | 1        | 17       | 3231-2   | Bolt - Carriage                                   | 1        |
| 5        | 3255-8   | Washer - Lock     | 2        | 18       | 32128-35 | Nut - Flange Lock                                 | 1        |
| 6        | 68-7110  | Mount - Lamp      | 1        | 19       | 218-16   | Bulb - Sealed Beam                                | 1        |
| 7        | 3253-21  | Washer - Lock     | 1        | 20       | 2210-268 | Shaft - Alternator 3"                             | 1        |
| 8        | 3217-7   | Nut - Hex.        | 1        | *        | 2210-288 | Shaft - Alternator 4"                             | 1        |
| 9        | 3290-378 | Tie Wrap          | 2        | 21       | 2210-274 | Alternator                                        | 1        |
| 10       | 68-7140  | Bolt - U          | 1        | 22       | 2210-272 | Connector - Light                                 | 1        |
| 11       | 3256-23  | Washer - Flat     | 2        | 23       | 2210-273 | Screw - Self Tapping                              | 3        |
| 12       | 3296-29  | Nut - Lock        | 2        | *        | 54-9871  | Headlamp Assembly (Incl. Ref. #1-5, 7, 8 & 13-19) | 1        |
| 13       | 218-555  | Wire Assembly     | 1        |          |          |                                                   |          |

\*Not Illustrated

†Obtain Locally



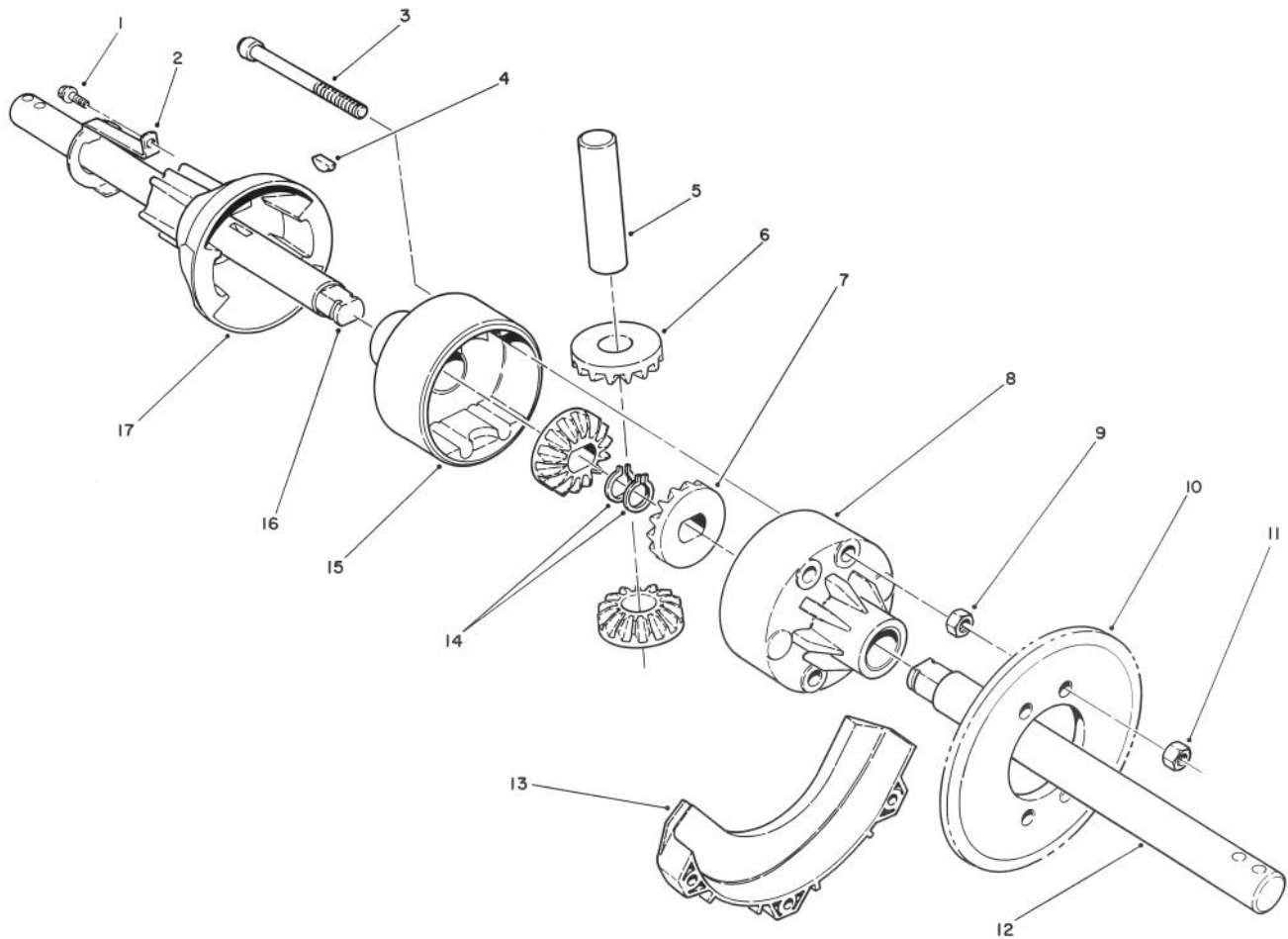
C-0138

## SNOW CAB ASSEMBLY NO. 68-9500 (Optional)

| Ref. No. | Part No. | Description          | No. Used |
|----------|----------|----------------------|----------|
| 1        | 70-2260  | Bow - Vertical       | 1        |
| 2        | 70-2240  | Cover - Nut          | 4        |
| 3        | 32153-4  | Nut - Lock           | 18       |
| 4        | 321-4    | Screw - Cap Hex. Hd. | 14       |
| 5        | 70-2250  | Frame - Top          | 1        |
| †6       |          | Top - Plastic        | 1        |
| †7       |          | Cover - Vinyl        | 1        |
| 8        | 3256-1   | Washer - Flat        | 4        |
| 9        | 70-2220  | Post - Corner L.H.   | 1        |
| 10       | 321-6    | Screw - Cap Hex. Hd. | 2        |

| Ref. No. | Part No. | Description              | No. Used |
|----------|----------|--------------------------|----------|
| 11       | 3256-58  | Washer - Fender          | 4        |
| 12       | 70-2270  | Bow - Horizontal         | 1        |
| 13       | 66-6230  | Bracket - Attaching L.H. | 1        |
| 14       | 321-11   | Screw - Hex. Hd.         | 2        |
| 15       | 66-6240  | Clamp - U                | 2        |
| 16       | 66-6210  | Bracket - Base Attaching | 1        |
| 17       | 63-3330  | Cover - Lever            | 1        |
| 18       | 66-6220  | Bracket - Attaching R.H. | 1        |
| 19       | 70-2230  | Post - Corner R.H.       | 1        |

†Not sold separate



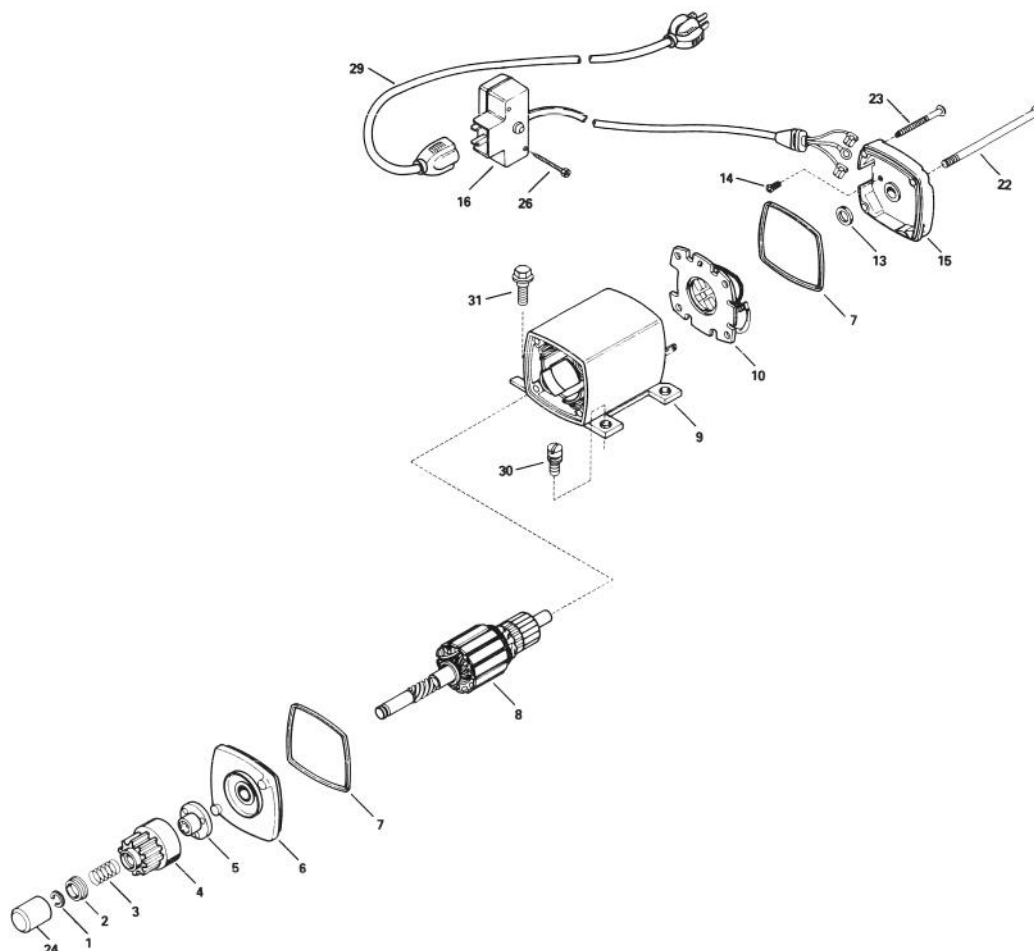
C-0137

## DIFFERENTIAL KIT MODEL NO. 38038 (Optional)

| Ref. No. | Part No. | Description                                   | No. Used |
|----------|----------|-----------------------------------------------|----------|
| 1        | 32144-73 | Screw - Hex. Washer Hd.                       | 1        |
| 2        | 68-9260  | Spring - Lockout                              | 1        |
| 3        | 3274-82  | Screw - Hex. Socket Hd.                       | 4        |
| 4        | 3257-41  | Key - Woodruff                                | 2        |
| 5        |          | Shaft - Cross                                 | 1        |
| 6        |          | Gear - Cross Shaft Pinion                     | 2        |
| 7        |          | Gear - Side Pinion                            | 2        |
| 8        | 68-9220  | Housing - Female                              | 1        |
| 9        | 3217-6   | Nut - Hex.                                    | 4        |
| 10       | 68-9271  | Sprocket - 27T (Used on Models 38540 & 38543) | 1        |

| Ref. No. | Part No. | Description                  | No. Used |
|----------|----------|------------------------------|----------|
| 11       | 3296-47  | Nut - Lock                   | 4        |
| 12       | 68-9230  | Shaft - Differential L.H.    | 1        |
| 13       | 68-9310  | Guard - Chain R.H.           | 1        |
| 14       | 32120-93 | Ring - Retaining             | 2        |
| 15       | 68-9210  | Housing - Male               | 1        |
| 16       | 68-9240  | Shaft - Differential R.H.    | 1        |
| 17       | 68-9250  | Coupling - Differential      | 1        |
| *        | 68-8410  | Cover - Lower Belt           | 1        |
| *        | 68-9390  | Decal - Caution/Instructions | 1        |
| *        | 68-9280  | Gear Set (Incl. Ref. #5-7)   | 1        |

\*Not Illustrated



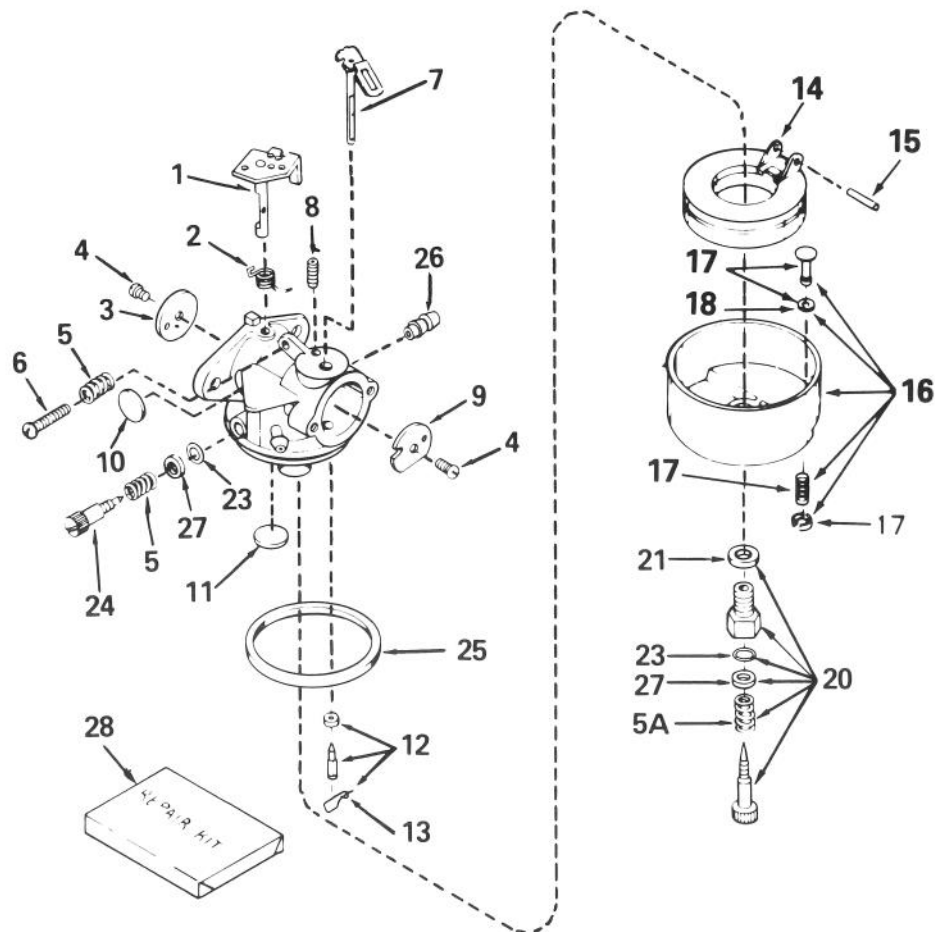
## ELECTRIC STARTER MOTOR KIT NO. 37-4810 (Optional)

| Ref. No. | Part No. | Description                            | No. Used |
|----------|----------|----------------------------------------|----------|
| 1        | 33842    | Ring - Retainer                        | 1        |
| 2        | 33430    | Retainer - Spring                      | 1        |
| 3        | 33431    | Spring - Anti-Drift                    | 1        |
| 4        | 33432    | Gear                                   | 1        |
| 5        | 33433    | Nut - Engaging                         | 1        |
| 6        | 35449    | Drive End Cap Assembly (Incl. Ref. #7) | 1        |
| 7        | 35450    | Seal - O-Ring                          | 2        |
| 8        | 33541A   | Armature                               | 1        |
| 9        | 35451    | Housing Assembly                       | 1        |
| 10       | 35452    | Card Assembly - Brush                  | 1        |
| 13       | 590500   | Washer - Thrust                        | 1        |

| Ref. No. | Part No. | Description                              | No. Used |
|----------|----------|------------------------------------------|----------|
| 14       | 33441    | Screw - Ground                           | 1        |
| 15       | 35453    | Commutator End Cap Assy. (Incl. Ref. #7) | 1        |
| 16       | 35454    | Switch Box Assembly                      | 1        |
| 22       | 35455    | Bolt - Case                              | 2        |
| 23       | 35456    | Screw - Grounding                        | 1        |
| 24       | 33451    | Cover - Dust                             | 1        |
| 26       | 650819   | Screw - Hex. Hd. Self Tap                | 2        |
| 29       | 32450A   | Cord - Extension (10" 6')                | 1        |
| 30       | 30063    | Screw - Fil. Hd.                         | 2        |
| 31       | 650820   | Screw - Shoulder Hex. Hd.                | 2        |

Note: Obtain individual items from your local Tecumseh dealer.



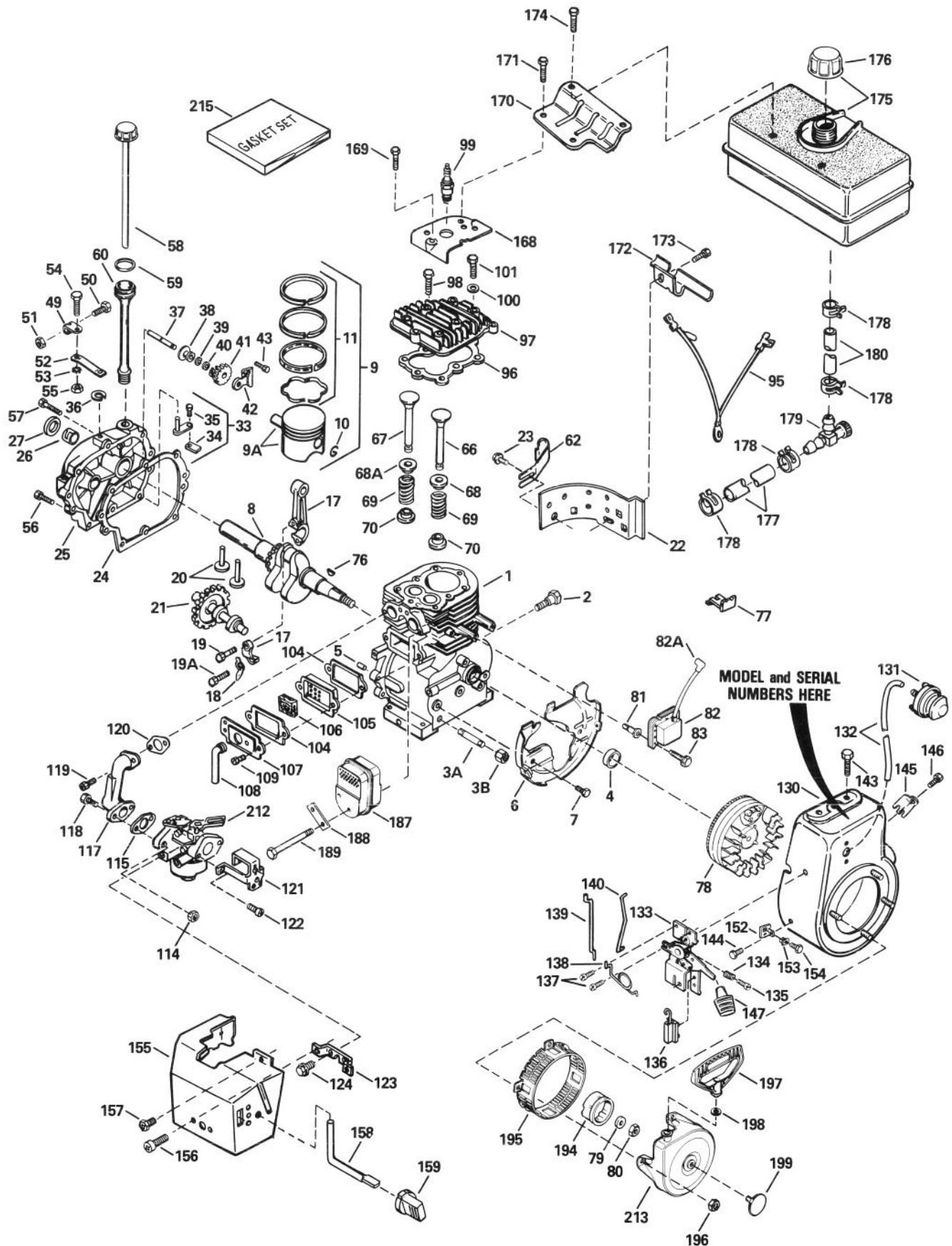


## CARBURETOR TECUMSEH NO. 632334A

| Ref. No. | Part No. | Description                                         | No. Used | Ref. No. | Part No. | Description                                             | No. Used |
|----------|----------|-----------------------------------------------------|----------|----------|----------|---------------------------------------------------------|----------|
| 1        | 631776A  | Shaft/Lever - Throttle                              | 1        | *15      | 631024   | Shaft - Float                                           | 1        |
| 2        | 631970   | Spring - Throttle Return                            | 1        | 16       | 631951   | Float Bowl Assembly<br>(Incl. Ref. #17 & 18)            | 1        |
| 3        | 631778   | Shutter - Throttle                                  | 1        | 17       | 27136A   | Drain Assembly<br>(Incl. Ref. #18)                      | 1        |
| 4        | 650506   | Screw - Shutter                                     | 2        | 18       | 27554    | Gasket - Bowl Drain                                     | 1        |
| 5        | 630766   | Spring - Regulating Screw                           | 1        | *20      | 632239   | Adjustment Screw Assy.<br>(Incl. Ref. #5A, 21, 23 & 27) | 1        |
| 5A       | 630738   | Spring - Adjustment Screw                           | 1        | 21       | 27110    | Gasket - Bowl to Body                                   | 1        |
| 6        | 650417   | Screw - Idle Regulating                             | 1        | *23      | 630740   | O-Ring - Adjustment Screw                               | 1        |
| 7        | 632112   | Shaft/Lever - Choke                                 | 1        | *24      | 632281   | Screw - Idle Adjustment                                 | 1        |
| 8        | 630735   | Spring - Choke Positioning                          | 1        | *25      | 631028   | Gasket - Bowl to Body                                   | 1        |
| 9        | 632174   | Shutter - Choke                                     | 1        | 26       | 632164   | Fitting - Fuel Inlet                                    | 1        |
| *10      | 630748   | Plug - Welch                                        | 1        | 27       | 630739   | Washer - Flat                                           | 1        |
| *11      | 631027   | Plug - Welch                                        | 1        | 28       | 632347   | Kit - Repair                                            | 1        |
| *12      | 631021   | Inlet Needle, Seat & Clip<br>Assy. (Incl. Ref. #13) | 1        |          |          |                                                         |          |
| 13       | 631022   | Clip - Inlet Needle                                 | 1        |          |          |                                                         |          |
| 14       | 632019   | Float - Carburetor                                  | 1        |          |          |                                                         |          |

\*Included in Repair Kit Ref. #28.

# ENGINE TECUMSEH MODEL NO. HM80-155337P



# ENGINE TECUMSEH MODEL NO. HM80-155337P

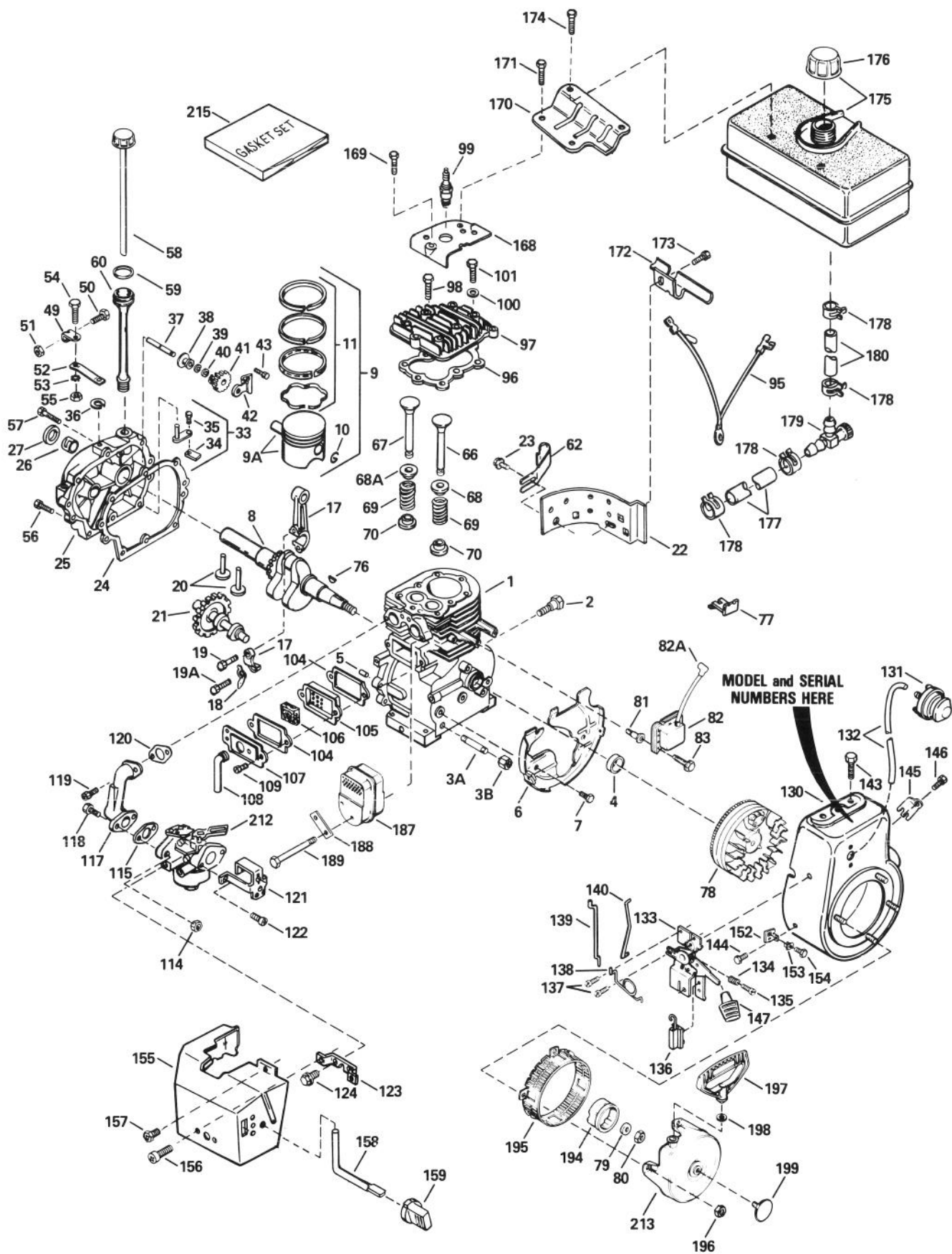
| Ref. No. | Part No. | Description                                    | No. Used |
|----------|----------|------------------------------------------------|----------|
| 1        | 35385    | Cylinder (Incl. Ref. #4 & 5)                   | 1        |
| 2        | 650820   | Screw - Shoulder Hex. Hd.                      | 2        |
| 3A       | 34171    | Nipple - Pipe                                  | 1        |
| 3B       | 30969    | Cap - Oil Drain                                | 1        |
| 4        | 35319    | Seal O Oil                                     | 1        |
| 5        | 27652    | Pin - Dowel                                    | 2        |
| 6        | 35326    | Baffle - Blower Housing                        | 1        |
| 7        | 650561   | Screw - Hex. Washer Hd.                        | 2        |
| 8        | 35571    | Crankshaft                                     | 1        |
| 9        | 34552    | Piston Pin & Ring Assy.                        |          |
|          |          | (Std.) (Incl. Ref. #9A-11)                     | 1        |
| *        | 34553    | Piston Pin & Ring Assy.                        |          |
|          |          | (.01" OS.) (Incl. Ref. #9A-11)                 | 1        |
| *        | 34554    | Piston Pin & Ring Assy.                        |          |
|          |          | (.02" OS.) (Incl. Ref. #9A-11)                 | 1        |
| 9A       | 34329A   | Piston & Pin Assy. (Std.)                      |          |
|          |          | (Incl. Ref. #10)                               | 1        |
| *        | 34330A   | Piston & Pin Assy. (.01" OS.)                  |          |
|          |          | (Incl. Ref. #10)                               | 1        |
| *        | 34331A   | Piston & Pin Assy. (.02" OS.)                  |          |
|          |          | (Incl. Ref. #10)                               | 1        |
| 10       | 27888    | Ring - Piston Pin Retaining                    | 2        |
| 11       | 34332    | Ring Set - Piston (Std.)                       | 1        |
| *        | 34333    | Ring Set - Piston (.01" OS.)                   | 1        |
| *        | 34334    | Ring Set - Piston (.02" OS.)                   | 1        |
| 17       | 35373A   | Connecting Rod Assy. (Incl. Ref. #18,19 & 19A) | 1        |
| 18       | 35374    | Dipper - Oil                                   | 1        |
| 19       | 650908   | Bolt - Connecting Rod                          | 1        |
| 19A      | 650882   | Bolt - Connecting Rod                          | 1        |
| 20       | 34034    | Lifter - Valve                                 | 2        |
| 21       | 35375    | Camshaft                                       | 1        |
| 22       | 33273A   | Extension - Blower Housing                     | 1        |
| 23       | 650128   | Screw - Fill. Hd.                              | 1        |
| †24      | 35262    | Gasket - Cylinder Cover                        | 1        |
| 25       | 35376    | Cylinder Cover Assy. (Incl. Ref. #26, 27 & 37) | 1        |
| 26       | 35377    | Bearing - Cylinder Cover                       | 1        |
| 27       | 35319    | Seal - Oil                                     | 1        |
| 33       | 30699C   | Governor Rod Assy. (Incl. Ref. #34-35)         | 1        |
| 34       | 30700    | Yoke - Governor                                | 1        |
| 35       | 650494   | Screw - Fil. Hd.                               | 1        |
| 36       | 29642    | Ring - Retaining                               | 1        |
| 37       | 31845    | Shaft - Governor                               | 1        |
| 38       | 30588A   | Spool - Governor                               | 1        |
| 39       | 35479    | Washer - Flat                                  | 1        |
| 40       | 29193    | Ring - Retaining                               | 1        |
| 41       | 35378    | Gear - Governor (Incl. Ref. #39)               | 1        |
| 42       | 33369    | Bracket - Governor Gear                        | 1        |
| 43       | 650836   | Screw - Hex. Washer Hd.                        | 2        |
| 49       | 29916    | Clamp - Governor Lever                         | 1        |

| Ref. No. | Part No. | Description                                   | No. Used |
|----------|----------|-----------------------------------------------|----------|
| 50       | 29826    | Screw - Hex. Washer Hd.                       | 1        |
| 51       | 29216    | Nut - Lock                                    | 1        |
| 52       | 33454    | Lever - Governor                              | 1        |
| 53       | 29918    | Washer - Lock                                 | 1        |
| 54       | 650548   | Screw - Hex. Washer Hd.                       | 1        |
| 55       | 30322    | Nut - Lock                                    | 1        |
| 56       | 650832   | Screw - Hex. Washer Hd.                       | 1        |
| 57       | 650833   | Screw - Hex. Washer Hd.                       | 7        |
| 58       | 35555    | Dipstick - Oil                                | 1        |
| 59       | 35499    | Seal - O-Ring                                 | 1        |
| 60       | 35554    | Tube - Oil Fill                               | 1        |
| 62       | 35540    | Clip - Fuel Tube                              | 1        |
| 66       | 27878A   | Valve - Exhaust (Std.) (Incl. Ref. #70)       | 1        |
| *        | 27880A   | Valve - Exhaust (.03" OS.) (Incl. Ref. #70)   | 1        |
| 67       | 34035    | Valve - Intake (Std.) (Incl. Ref. #70)        | 1        |
| *        | 34036    | Valve - Intake (.03" OS.) (Incl. Ref. #70)    | 1        |
| 68       | 27882    | Cap - Upper Valve Spring                      | 1        |
| 68A      | 34689    | Seal - Intake Valve2                          |          |
| 69       | 27881    | Spring - Valve                                | 2        |
| 70       | 32581    | Cap - Lower Valve Spring                      | 2        |
| 76       | 32589    | Key - Flywheel                                | 1        |
| 77       | 29443    | Clip - Spring                                 | 1        |
| 78       | 611091   | Flywheel/Gear                                 | 1        |
| 79       | 650880   | Washer - Lock                                 | 1        |
| 80       | 650881   | Nut - Flywheel                                | 1        |
| 81       | 650872   | Stud - Solid State Mounting                   | 2        |
| 82       | 35135    | Solid State Assembly                          | 1        |
| 82A      | 610118   | Cover - Spark Plug                            | 1        |
| 83       | 650814   | Screw - Hex. Hd.                              | 1        |
| 95       | 35253    | Wire - Ground                                 | 1        |
| †96      | 34041A   | Gasket - Cylinder Head                        | 1        |
| 97       | 34030    | Head Cylinder                                 | 1        |
| 98       | 6021A    | Screw - Hex. Flange Hd.                       | 7        |
| 99       | 35395    | Plug - Spark (Champion RJ-19LM or Equivalent) | 1        |
| 100      | 650691   | Washer - Flat                                 | 2        |
| 101      | 650727   | Screw - Special                               | 2        |
| †104     | 27896A   | Gasket - Breather                             | 2        |
| 105      | 28423    | Body - Breather                               | 1        |
| 106      | 28424    | Element - Breather                            | 1        |
| 107      | 28425    | Cover - Breather                              | 1        |
| 108      | 35350    | Tube - Breather                               | 1        |
| 109      | 650128   | Screw - Fil. Hd.                              | 2        |
| 114      | 29752    | Nut/Lockwasher                                | 2        |
| †115     | 33263    | Gasket - Carburetor                           | 1        |
| 117      | 33877    | Pipe - Intake                                 | 1        |
| 118      | 30088A   | Screw - Fil. Hd.                              | 2        |
| 119      | 650378   | Screw - Fil. Hd.                              | 2        |
| †120     | 27915A   | Gasket - Intake Pipe                          | 1        |
| 121      | 34587    | Bracket - Choke                               | 1        |
| 122      | 28820    | Screw - Fil. Hd.                              | 2        |

\*Not Illustrated

†Included in Gasket Set Ref. #33279G.

# ENGINE TECUMSEH MODEL NO. HM80-155337P (Continued)

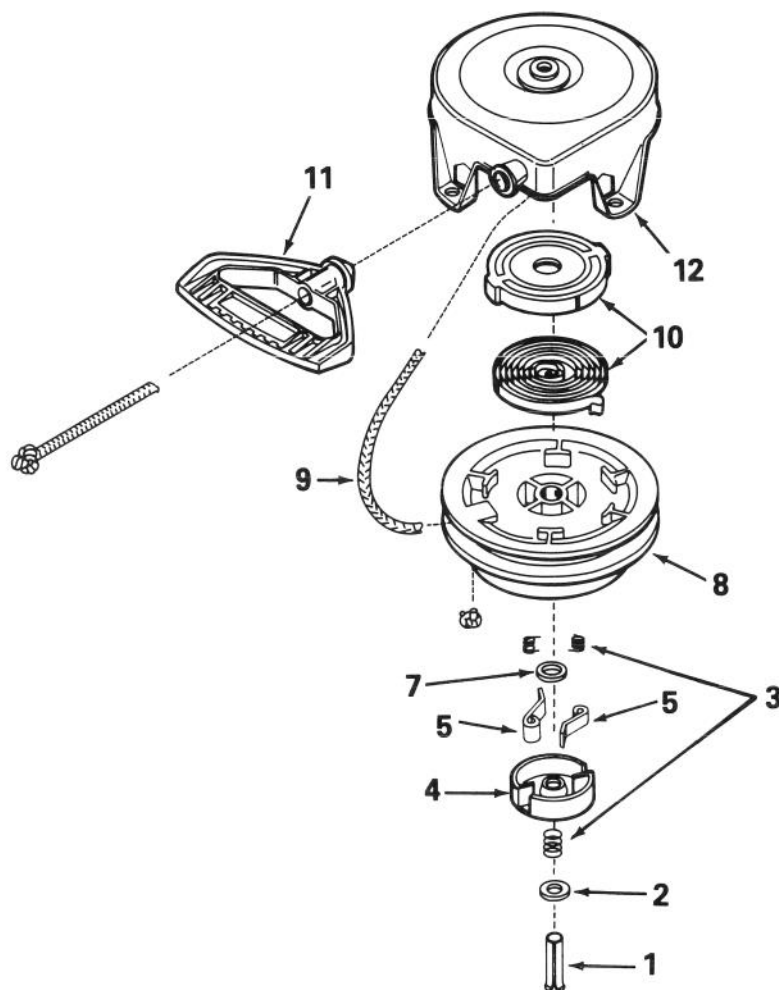


# ENGINE TECUMSEH MODEL NO. HM80-155337P (Continued)

| Ref. No. | Part No. | Description                                             | No. Used |
|----------|----------|---------------------------------------------------------|----------|
| 123      | 33377    | Bracket - Carburetor Cover                              | 1        |
| 124      | 650767   | Screw - Hex. Washer Hd.                                 | 2        |
| 130      | 35447    | Housing - Blower                                        | 1        |
| 131      | 570682   | Primer Assembly                                         | 1        |
| 132      | 32180C   | Line - Primer                                           | 1        |
| 133      | 34677    | Control Bracket Assembly<br>(Incl. Ref. #134-136 & 138) | 1        |
| 134      | 31342    | Spring - Compression                                    | 1        |
| 135      | 650549   | Screw - Fil. Hd.                                        | 1        |
| 136      | 610973   | Terminal Assembly                                       | 1        |
| 137      | 650821   | Screw - Hex. Washer Hd.                                 | 2        |
| 138      | 34663    | Spring - Speed Control                                  | 1        |
| 139      | 34667    | Link - Governor                                         | 1        |
| 140      | 33878    | Link - Governor to Throttle                             | 1        |
| 143      | 650788   | Screw - Hex. Hd.                                        | 2        |
| 144      | 29747B   | Screw - Hex. Hd.                                        | 2        |
| 145      | 33013    | Cover - Starter Hole                                    | 1        |
| 146      | 650760   | Screw - Pan Hd.                                         | 1        |
| 147      | 35440    | Knob - Control                                          | 1        |
| 152      | 34126    | Bracket - Grommet Mount                                 | 1        |
| 153      | 28545    | Grommet - Plastic                                       | 1        |
| 154      | 650760   | Screw - Pan Hd.                                         | 1        |
| 155      | 35057A   | Cover - Carburetor                                      | 1        |
| 156      | 28942    | Screw - Hex. Washer Hd.                                 | 2        |
| 157      | 650765   | Screw - Hex. Washer Hd.                                 | 1        |
| 158      | 34586    | Rod - Choke                                             | 1        |
| 159      | 35438    | Knob - Choke                                            | 1        |

| Ref. No. | Part No. | Description                               | No. Used |
|----------|----------|-------------------------------------------|----------|
| 168      | 33272A   | Cover - Cylinder Head                     | 1        |
| 169      | 650802   | Screw - Hex. Washer Hd.                   | 1        |
| 170      | 34154    | Plate - Fuel Tank                         | 1        |
| 171      | 650713   | Screw - Hex. Hd.                          | 1        |
| 172      | 34155    | Bracket - Fuel Tank                       | 1        |
| 173      | 650561   | Screw - Hex. Washer Hd.                   | 1        |
| 174      | 650665   | Screw - Hex. Washer Hd.                   | 2        |
| 175      | 34156A   | Fuel Tank Assy. (Incl. Ref. #176 & 178)   | 1        |
| 176      | 35355    | Cap - Fuel Tank                           | 1        |
| 177      | 30705    | Line - Fuel                               | 1        |
| 178      | 26460    | Clamp - Fuel Line                         | 4        |
| 179      | 32961    | Valve - Fuel Shut-off                     | 1        |
| 180      | 29774    | Line - Fuel                               | 1        |
| 187      | 35056    | Muffler                                   | 1        |
| 188      | 31588    | Plate - Lock                              | 1        |
| 189      | 792093   | Screw - Hex. Flange Hd.                   | 2        |
| 194      | 35287    | Hub - Starter                             | 1        |
| 195      | 35446    | Screen - Starter                          | 1        |
| 196      | 29752    | Nut/Lockwasher                            | 4        |
| 197      | 590574   | Handle - Starter                          | 1        |
| 198      | 650168   | Washer - Flat                             | 1        |
| 199      | 35392    | Plug - Starter                            | 1        |
| 212      | 632334A  | Carburetor Assembly (Incl. Gasket #33263) | 1        |
| 213      | 590630   | Rewind Starter Assembly                   | 1        |
| 215      | 33279G   | Gasket Set                                | 1        |

†Included in Gasket Set Ref. #33279G.



## REWIND STARTER TECUMSEH NO. 590630

| Ref. No. | Part No. | Description                  | No. Used | Ref. No. | Part No. | Description              | No. Used |
|----------|----------|------------------------------|----------|----------|----------|--------------------------|----------|
| 1        | 590599A  | Pin - Spring (Incl. Ref. #7) | 1        | 8        | 590628   | Pulley                   | 1        |
| 2        | 590600   | Washer                       | 1        | 9        | 590451A  | Rope - Starter           | 1        |
| 3        | 590651   | Springs - Brake & Dog        | 1        | 10       | 590629   | Spring & Keeper Assembly | 1        |
| 4        | 590627   | Retainer                     | 1        | †11      | 590574   | Handle - Starter         | 1        |
| 5        | 590641   | Dog - Starter                | 2        | 12       | 590631   | Starter Housing Assembly | 1        |
| 7        | 590601   | Washer                       | 1        |          |          |                          |          |

†Not Included in Starter Assembly.

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