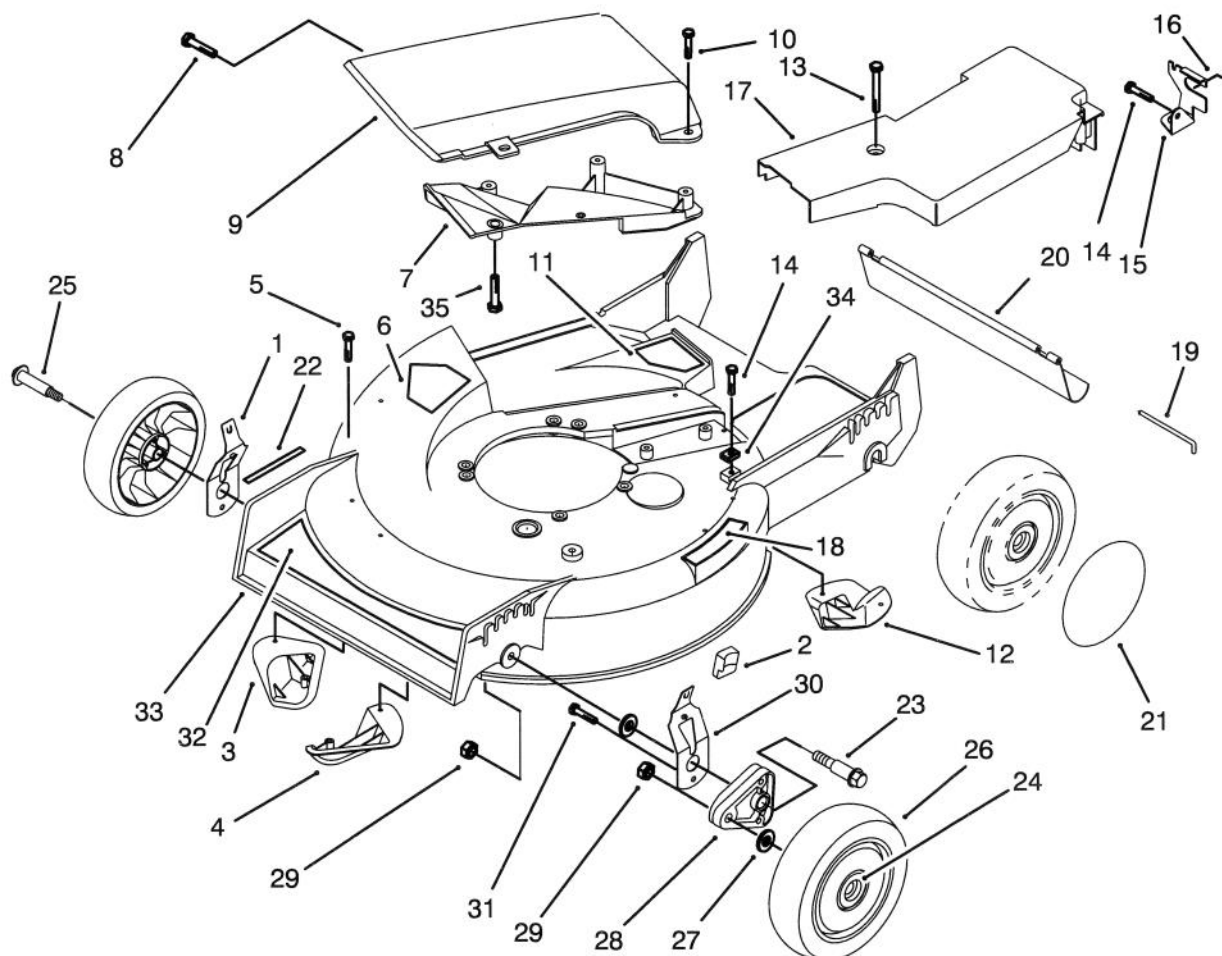


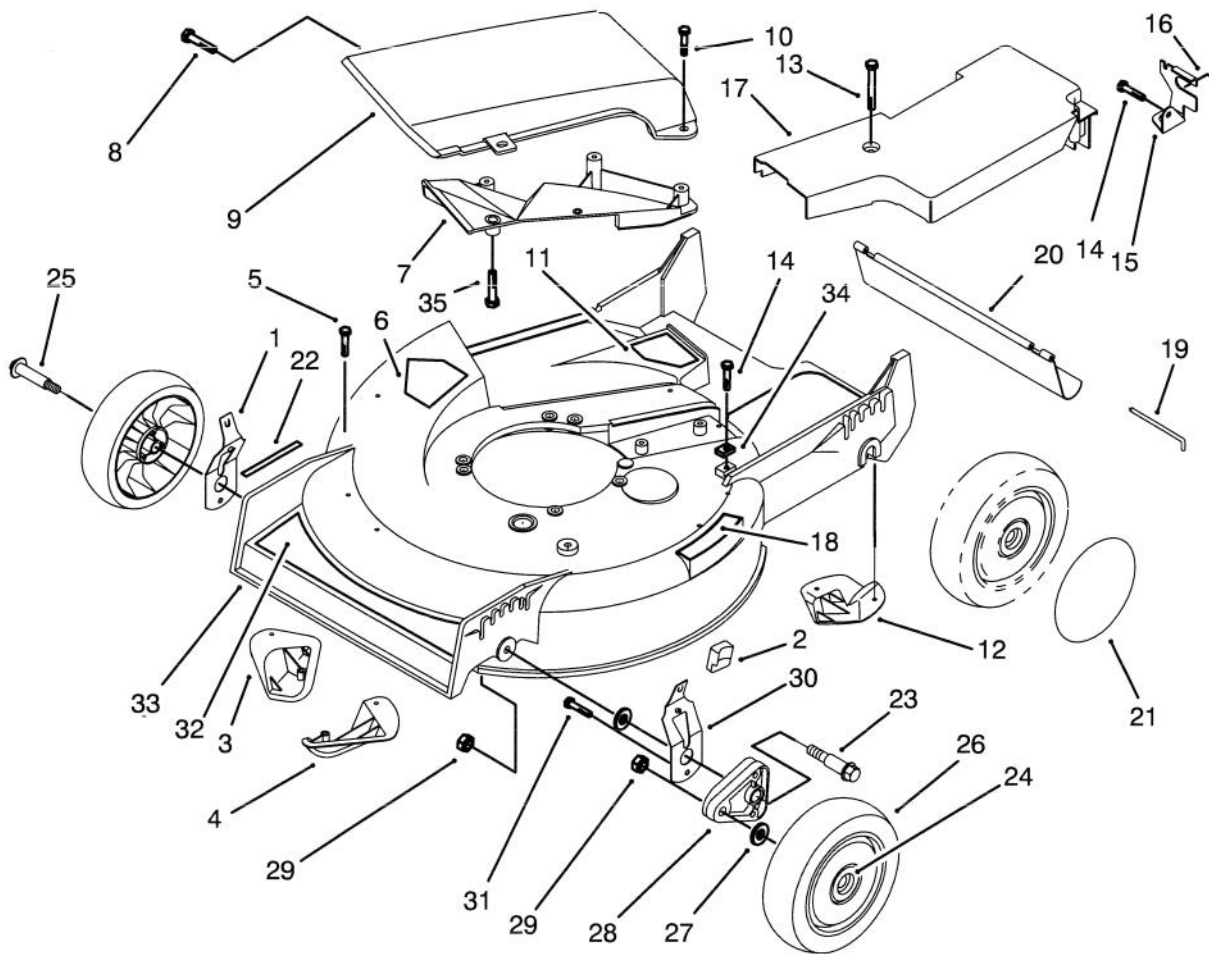
**TORO®****MODEL NO. 20438WF-3900001 & UP****PARTS  
CATALOG****21" RECYCLER®**  
Mower

C-1331

**HOUSING ASSEMBLY**

| Ref. No. | Part No.  | Description                            | No. Used |
|----------|-----------|----------------------------------------|----------|
| 1        | 71-0561   | Spring Arm Ass'y R.H.                  | 1        |
| 2        | 25-7740   | Knob - Arm                             | 2        |
| 3        | 92-1720   | Plate - Kicker R.H. Front              | 1        |
| 4        | 92-1730   | Plate - Kicker L.H. Front              | 1        |
| 5        | 32144-111 | Screw - Plastite                       | 6        |
| 6        | 56-6270   | Decal - Danger                         | 1        |
| 7        |           | Deflector - Recycler                   | 1        |
| 8        | 46-6810   | Screw & Washer Ass'y                   | 1        |
| 9        | 14-9979   | Cover Assembly<br>(Incl. Ref. #7 & 35) | 1        |
| 10       | 46-6811   | Screw - Thread Forming                 | 3        |
| 11       | 92-1703   | Decal - Danger                         | 1        |
| 12       | 92-1750   | Plate - Kicker L.H. Rear               | 1        |
| 13       | 37-7260   | Screw - Special                        | 2        |
| 14       | 32144-70  | Screw - Thread Forming                 | 2        |
| 15       | 82-5680   | Bracket - Traction Adj.                | 1        |

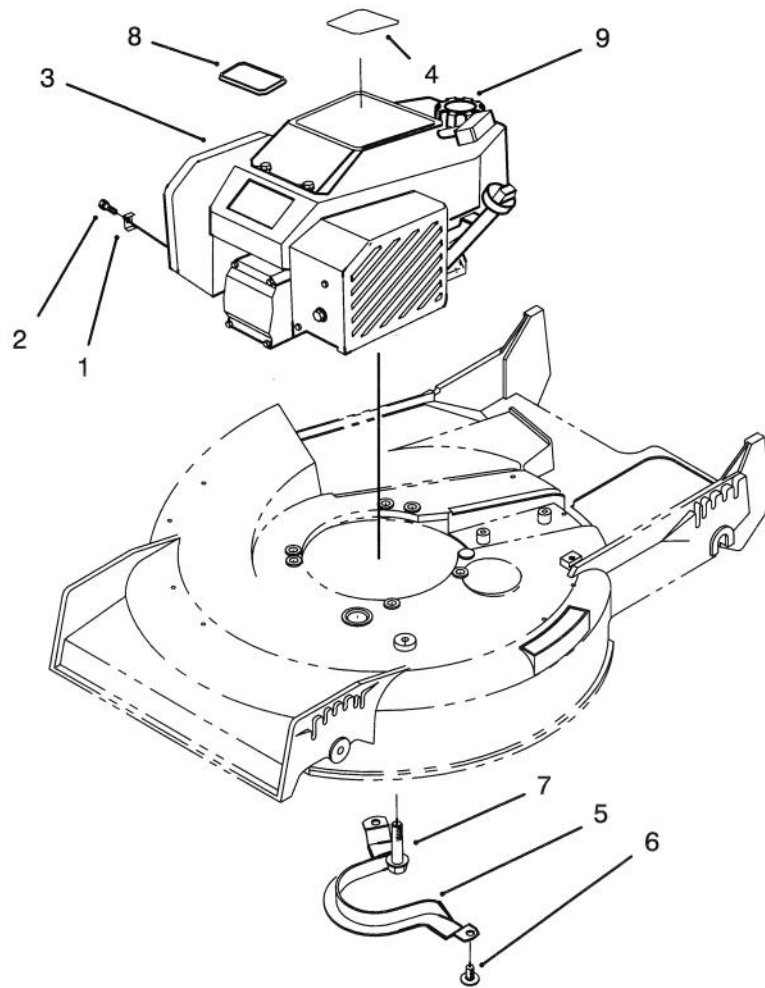
| Ref. No. | Part No.   | Description                               | No. Used |
|----------|------------|-------------------------------------------|----------|
| 16       | 46-7030    | Retainer - Cable                          | 1        |
| 17       | 82-9910    | Cover - Belt                              | 1        |
| 18       | 62-3950    | Decal - Step Pad                          | 1        |
| 19       | 33-3208    | Rod - Shield                              | 1        |
| 20       | 44-0580    | Shield - Trailing                         | 1        |
| 21       | 91-2253    | Cover - Wheel                             | 1        |
| 22       | 92-2279    | Decal - H.O.C.                            | 4        |
| 23       | 66-0560    | Screw - Pivot                             | 2        |
| 24       | 27-6250    | Bushing                                   | 4        |
| 25       | 27-6232    | Bolt - Wheel                              | 2        |
| 26       | 14-9989    | Wheel & Tire Assembly<br>(Incl. Ref. #24) | 2        |
| 27       | 40-1940    | Washer - Wheel Bolt                       | 4        |
| 28       | 66-0580-03 | Arm - Pivot                               | 2        |
| 29       | 3296-6     | Nut - Lock                                | 4        |
| 30       | 71-0571    | Spring Arm Ass'y L.H.                     | 1        |



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## HOUSING ASSEMBLY (CONTINUED)

| Ref. No. | Part No. | Description                                                                                                           | No. Used | Ref. No. | Part No. | Description      | No. Used |
|----------|----------|-----------------------------------------------------------------------------------------------------------------------|----------|----------|----------|------------------|----------|
| 31       | 32144-85 | Screw - Thread Forming                                                                                                | 2        | 34       | 62-3720  | Clamp - Cable    | 1        |
| 32       | 92-2281  | Decal - Deck                                                                                                          | 1        | 35       |          | Screw - Plastite | 5        |
| 33       | 16-1589  | Housing Assembly<br>(Incl. Ref. #1, 3-6, 8, 11-12, 14, 22, pg.1)<br>(Incl. Ref. #5 pg. 3)<br>(Incl. Ref. #30-31 pg.4) | 1        |          |          |                  |          |

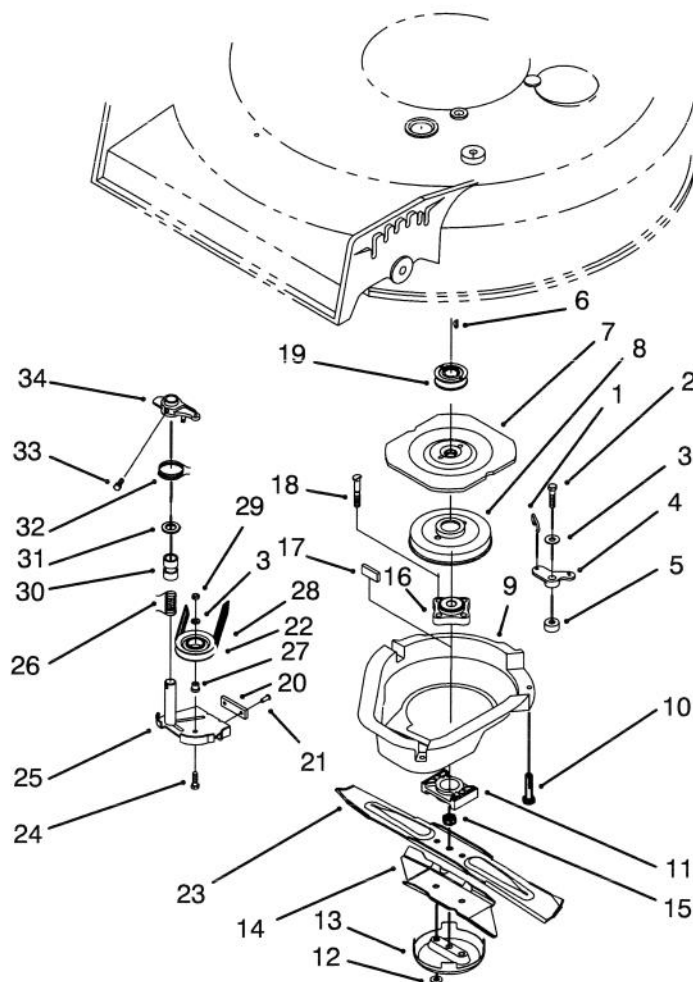


C-1332

## ENGINE ASSEMBLY

| Ref. No. | Part No. | Description      | No. Used |
|----------|----------|------------------|----------|
| 1        | 2210-249 | Clamp - Throttle | 1        |
| 2        | 2210-313 | Screw - Clamp    | 1        |
| 3        | 77-8981  | Engine           | 1        |
| 4        | 92-3147  | Decal - Recoil   | 1        |
| 5        | 66-0570  | Guide - Belt     | 1        |

| Ref. No. | Part No.  | Description            | No. Used |
|----------|-----------|------------------------|----------|
| 6        | 32144-70  | Screw - Hex Washer Hd. | 2        |
| 7        | 32144-102 | Screw - Thread Forming | 3        |
| 8        | 92-2289   | Plate - Toro           | 1        |
| 9        | 55-3570   | Gas Cap Assembly       | 1        |

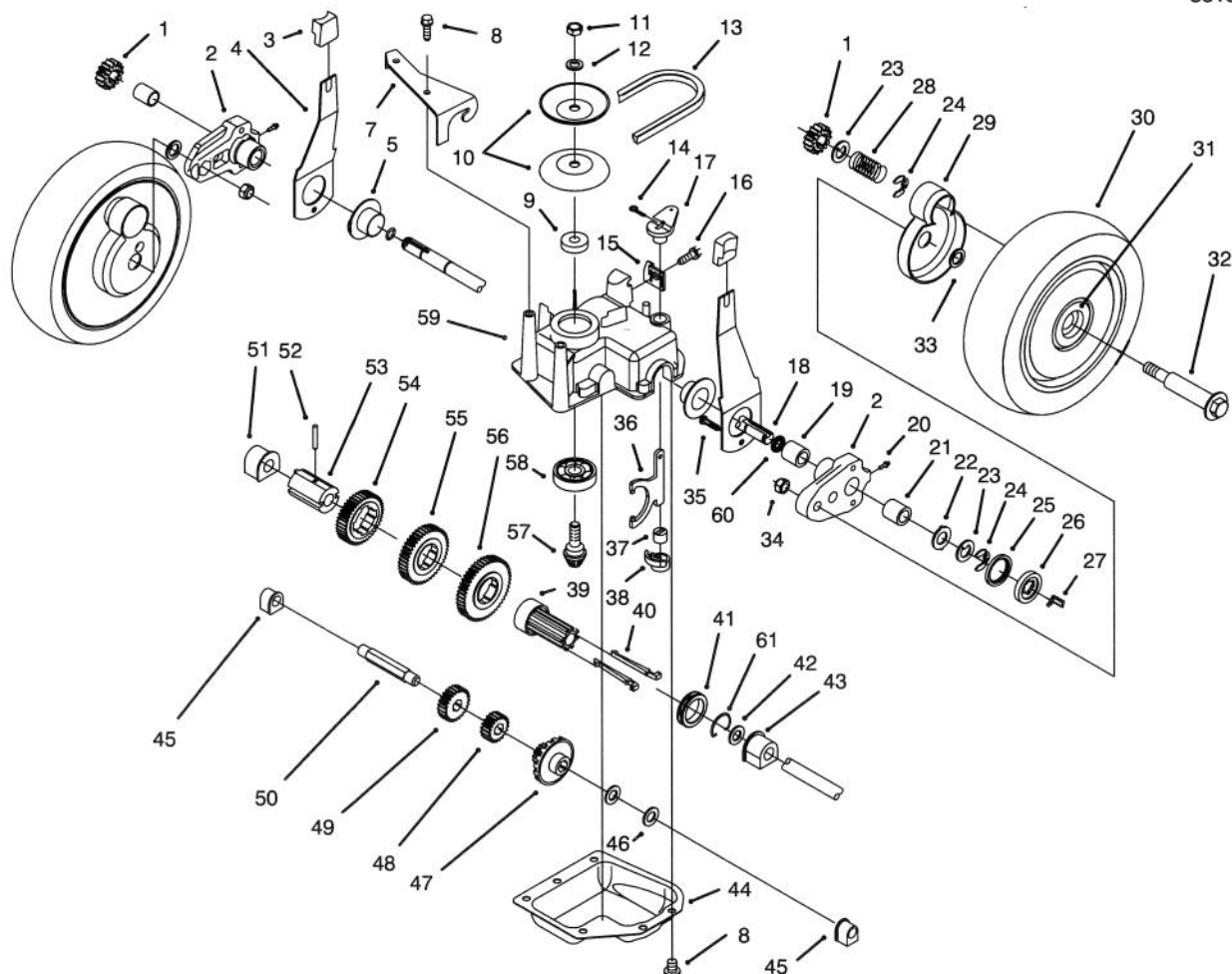


C-1336

## BLADE BRAKE CLUTCH ASSEMBLY

| Ref. No. | Part No.  | Description                              | No. Used |
|----------|-----------|------------------------------------------|----------|
| 1        | 49-2810   | Link - Control                           | 1        |
| 2        | 32104-107 | Screw - Self Tap Hex Hd.                 | 1        |
| 3        | 3256-23   | Washer - Plain                           | 2        |
| 4        | 49-7960   | Bell Crank                               | 1        |
| 5        | 49-7950   | Sleeve - Bell Crank                      | 1        |
| 6        | 3257-17   | Key - Woodruff                           | 1        |
| 7        | 56-6160   | Flywheel                                 | 1        |
| 8        | 56-6170   | Drum - Brake                             | 1        |
| 9        | 46-5690   | Shield                                   | 1        |
| 10       | 46-6811   | Screw - Thread Forming<br>Hex Washer Hd. | 3        |
| 11       | 62-4280   | Spacer - Blade                           | 1        |
| 12       | 54-9190   | Locknut                                  | 2        |
| 13       | 80-2770   | Cup - Anti-Scalp                         | 1        |
| 14       | 91-2255   | Stiffener - Blade                        | 1        |
| 15       | 3296-33   | Locknut                                  | 1        |
| 16       | 42-6890   | Hub Assembly                             | 1        |
| 17       | 52-3480   | Dampener - Vibration                     | 2        |

| Ref. No. | Part No. | Description                           | No. Used |
|----------|----------|---------------------------------------|----------|
| 18       | 42-3190  | Bolt - Blade                          | 2        |
| 19       | 62-7560  | Pulley Driver                         | 1        |
| 20       |          | Pad - Brake                           | 1        |
| 21       | 3295-23  | Rivet - Semi Tubular                  | 2        |
| 22       | 46-5650  | Pulley Idler                          | 1        |
| 23       | 14-9419  | Blade - 21"                           | 1        |
| 24       | 322-16   | Hex Hd. Capscrew                      | 1        |
| 25       | 49-7920  | Brake Plate<br>(Incl. Ref. # 20 & 21) | 1        |
| 26       | 46-5670  | Spring - Torsion Lower                | 1        |
| 27       | 46-5630  | Hub - Idler Pulley                    | 1        |
| 28       | 42-0884  | V-Belt                                | 1        |
| 29       | 3296-47  | Locknut                               | 1        |
| 30       | 68-9780  | Bearing                               | 2        |
| 31       | 70-1160  | Washer - P.M.                         | 1        |
| 32       | 49-7970  | Spring - Torsion Upper                | 1        |
| 33       | 32104-96 | Screw - Self Tap Hex Hd.              | 1        |
| 34       | 49-2820  | Lever                                 | 1        |

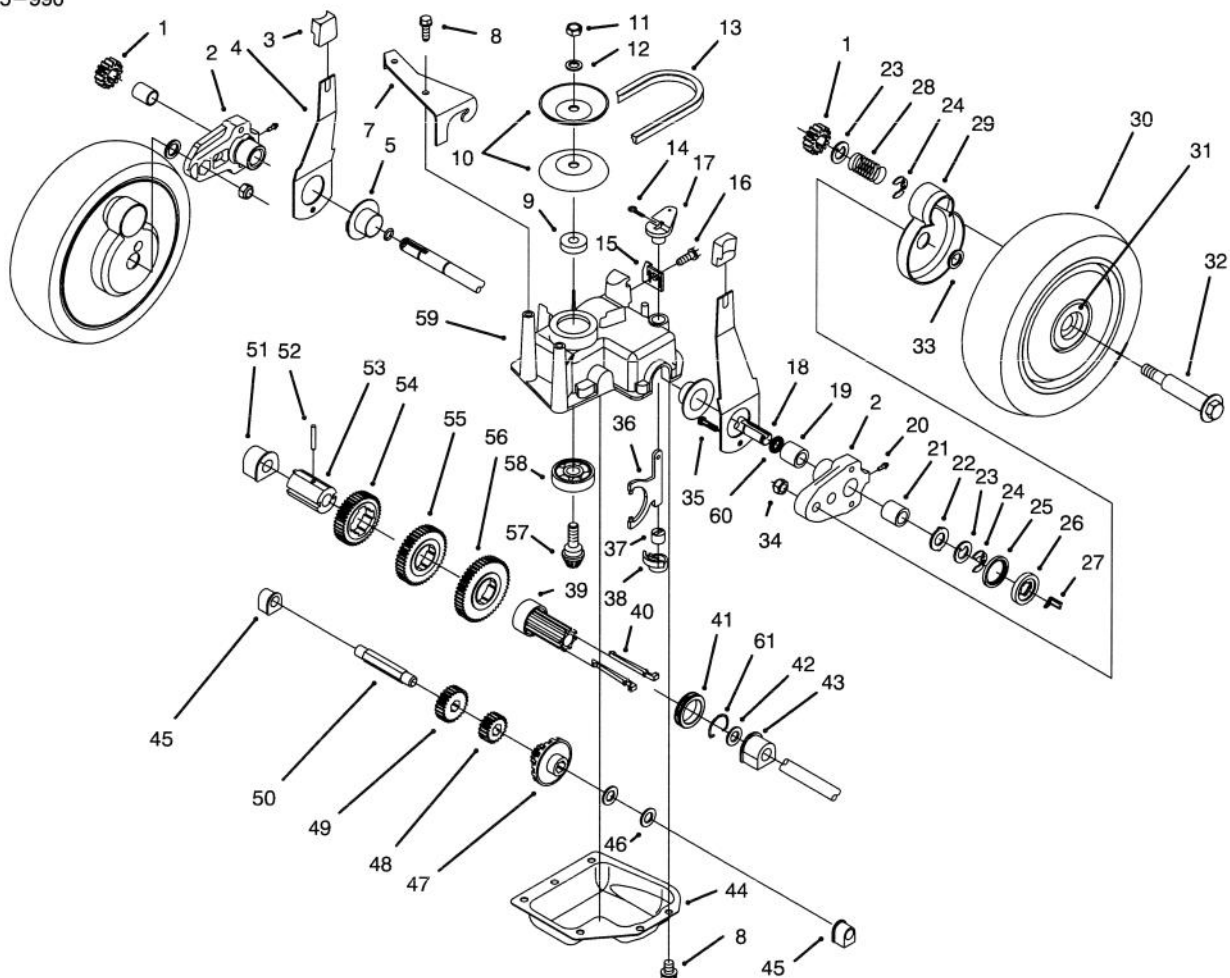


C-1333

## GEAR CASE ASSEMBLY

| Ref. No. | Part No.   | Description                                   | No. Used | Ref. No. | Part No. | Description                                 | No. Used |
|----------|------------|-----------------------------------------------|----------|----------|----------|---------------------------------------------|----------|
| 1        | 65-4750    | Pinion                                        | 2        | 26       | 65-4760  | Washer - Clutch                             | 2        |
| 2        | 63-8701-03 | Pivot Arm Assembly (Incl. Ref # 19, 20, & 21) | 2        | 27       | 66-6050  | Key - Rocker L.H.                           | 1        |
| 3        | 25-7740    | Knob - Arm                                    | 2        | *        | 66-6040  | Key - Rocker R.H.                           | 1        |
| 4        | 63-8721    | Spring Arm Assembly                           | 2        | 28       | 65-4720  | Spring                                      | 2        |
| 5        | 42-3520    | End Cap                                       | 2        | 29       | 74-1660  | Cover - Wheel                               | 2        |
| 7        | 62-4320    | Bracket - Belt Guide                          | 1        | 30       | 16-0029  | Wheel - Tire & Gear Ass'y (Incl. Ref. # 31) | 2        |
| 8        | 49-2040    | Screw - Self Tapping                          | 8        | 31       | 27-6250  | Bushing - Wheel                             | 4        |
| 9        | 62-6660    | Spacer                                        | 1        | 32       | 27-6232  | Wheel Bolt                                  | 2        |
| 10       | 60-8840    | Pulley - Half                                 | 2        | 33       | 74-1670  | Spacer - Wheel Cover                        | 2        |
| 11       | 3296-5     | Locknut                                       | 1        | 34       | 3296-6   | Locknut                                     | 2        |
| 12       | 3256-24    | Washer - Flat                                 | 1        | 35       | 32144-85 | Screw                                       | 2        |
| 13       | 62-3900    | V-Belt                                        | 1        | 36       | 60-8870  | Yoke - Shift                                | 1        |
| 14       | 3272-10    | Pin - Cotter                                  | 1        | 37       | 29-9570  | Bushing - Yoke                              | 1        |
| 15       | 82-8780    | Cable - Retainer                              | 1        | 38       | 60-8810  | Retainer - Shift Fork                       | 1        |
| 16       | 32144-70   | Screw - Thread Forming                        | 1        | 39       | 76-0780  | Sleeve - Shift Key                          | 1        |
| 17       | 60-8821    | Lever - Shift                                 | 1        | 40       | 76-0760  | Key - Shift                                 | 2        |
| 18       | 65-4770    | Shaft - Output                                | 1        | 41       | 76-0770  | Collar - Shift                              | 1        |
| 19       | 70-9760    | Bushing                                       | 2        | 42       | 36-4780  | Washer - Thrust                             | 1        |
| 20       | 302-56     | Fitting - Grease                              | 2        | 43       | 60-8770  | Bushing - Output Shaft                      | 1        |
| 21       | 48-2060    | Needle Bearing                                | 2        | 44       | 60-8730  | Cover - Gear Case                           | 1        |
| 22       | 65-4730    | Thrust Washer                                 | 2        | 45       | 60-8750  | Bushing - Int. Shaft                        | 2        |
| 23       | 65-4740    | Thrust Washer                                 | 4        | 46       | 36-4791  | Washer - Thrust                             | 2        |
| 24       | 65-2720    | Ring - Retaining                              | 4        | 47       | 55-3760  | Gear - Pinion 15 Tooth                      | 1        |
| 25       | 65-4710    | Ring - Friction                               | 2        | 48       | 55-3780  | Gear - Pinion 20 Tooth                      | 1        |

\*Not Illustrated

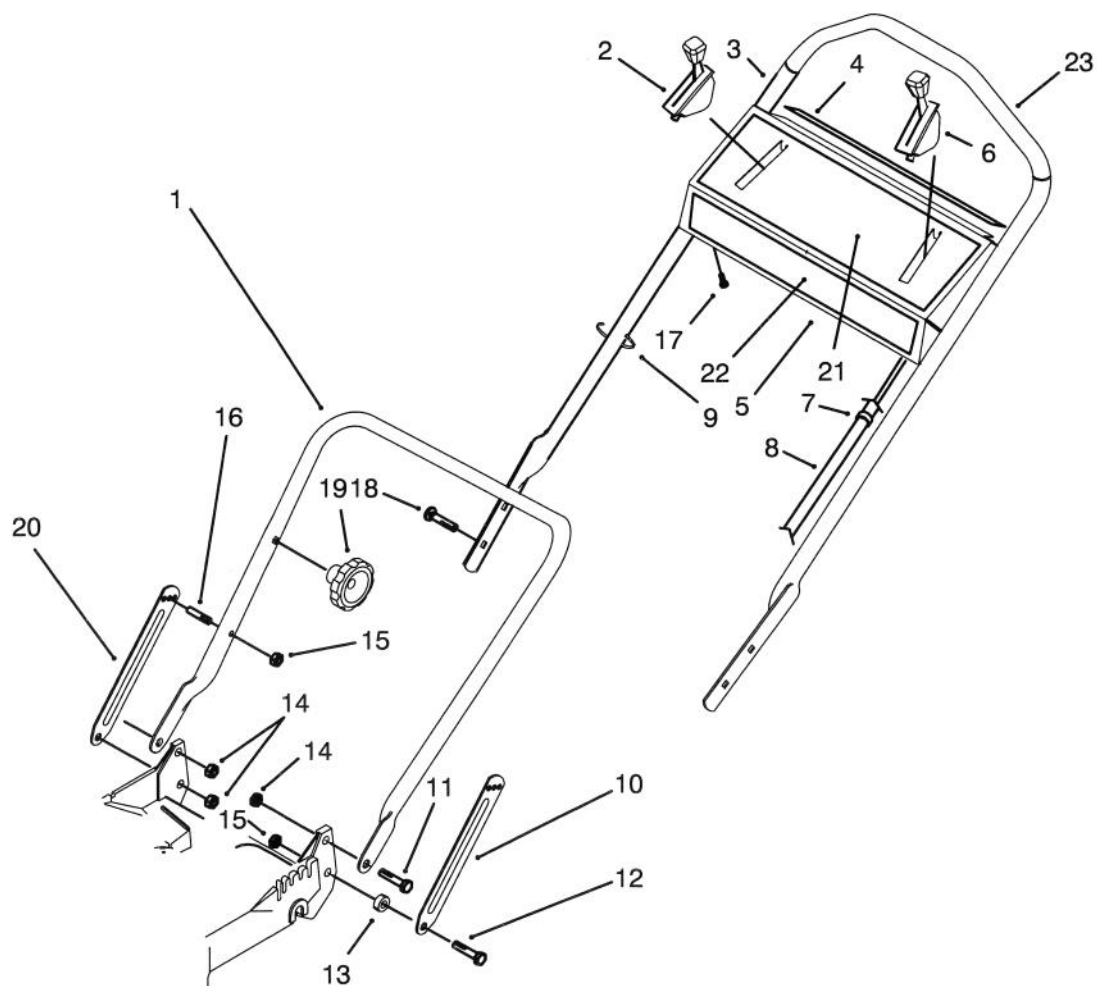


C-1333

## GEAR CASE ASSEMBLY (CONTINUED)

| Ref. No. | Part No.  | Description              | No. Used | Ref. No. | Part No. | Description              | No. Used |
|----------|-----------|--------------------------|----------|----------|----------|--------------------------|----------|
| 49       | 55-3800   | Gear – Pinion            | 1        | 56       | 55-3770  | Gear – 49 Tooth 1st Gear | 1        |
| 50       | 60-8800   | Shaft – Intermediate     | 1        | 57       | 60-8890  | Pinion – Bevel           | 1        |
| 51       | 60-8850   | Bushing – Output Shaft   | 1        | 58       | 38-7820  | Bearing – Ball           | 1        |
| 52       | 32121-120 | Pin – Coil               | 1        | 59       | 60-8710  | Gear Case – Upper        | 1        |
| 53       | 60-8790   | Sleeve – Gear            | 1        | 60       | 237-153  | O-Ring                   | 2        |
| 54       | 55-3810   | Gear – 39 Tooth 3rd Gear | 1        | 61       | 65-5250  | Clip – Spring            | 1        |
| 55       | 55-3790   | Gear – 44 Tooth 2nd Gear | 1        | *        | 62-6673  | Gear Case Assembly       | 1        |

\*Not Illustrated



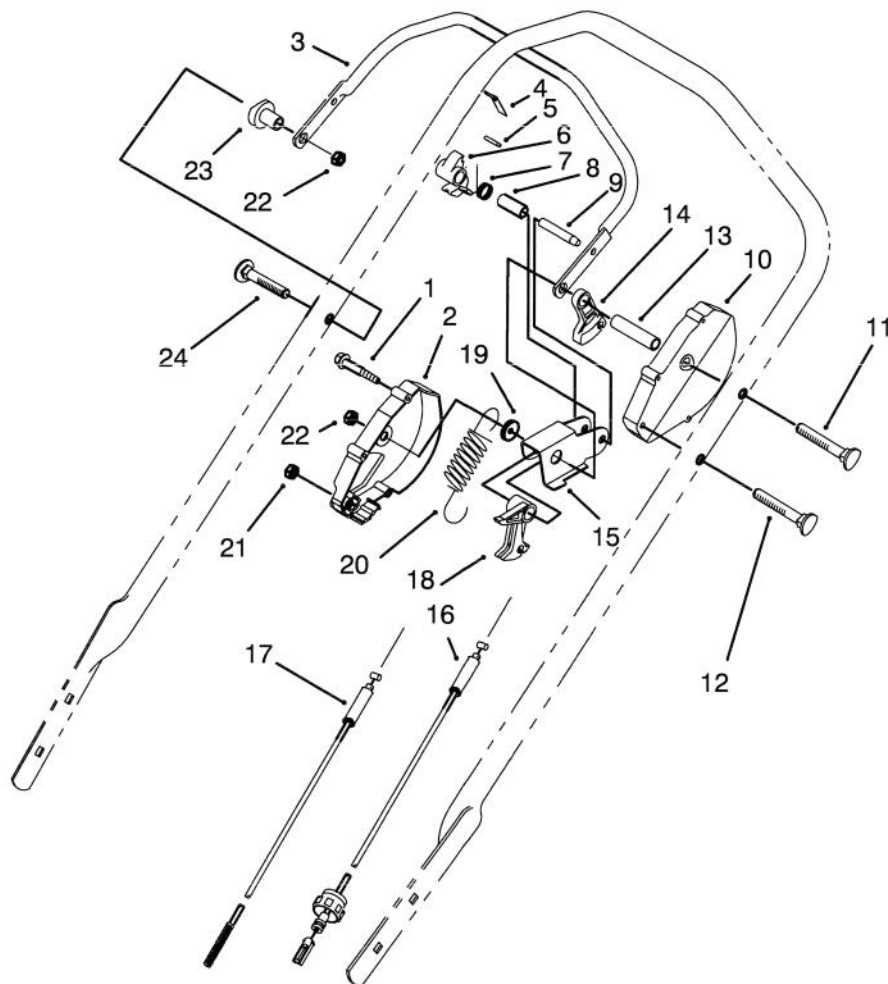
C-1334

## HANDLE ASSEMBLY

| Ref. No. | Part No.   | Description               | No. Used |
|----------|------------|---------------------------|----------|
| 1        | 82-5531-03 | Lower Handle Ass'y        | 1        |
| 2        | 76-2712    | Control - Ground Speed    | 1        |
| 3        | 92-2277    | Handle - Upper            | 1        |
| 4        | 66-1790    | Decal - Danger            | 1        |
| 5        | 16-1639    | Panel - Control           | 1        |
|          |            | (Incl. Ref. #4, 21, & 22) |          |
| 6        | 71-8391    | Control - Throttle        | 1        |
| 7        | 2412-50    | Clip Convoluted Tubing    | 3        |
| 8        | 46-6440    | Cover - Control Cable     | 1        |
| 9        | 3290-378   | Tie - Cable               | 3        |
| 10       | 84-8361    | Latch - Handle L.H.       | 1        |
| 11       | 27-7211    | Screw - Shoulder          | 2        |

| Ref. No. | Part No.  | Description           | No. Used |
|----------|-----------|-----------------------|----------|
| 12       | 27-7210   | Screw - Shoulder      | 2        |
| 13       | 3-3287    | Spacer - Handle Latch | 2        |
| 14       | 3296-72   | Nut - Lock            | 3        |
| 15       | 3296-47   | Nut - Lock            | 3        |
| †16      | 49-2750   | Pin - Handle          | 2        |
| 17       | 32144-115 | Screw - Tapping       | 4        |
| 18       | 92-2260   | Screw - Handle        | 2        |
| 19       | 19-4050   | Knob - Handle Release | 2        |
| 20       | 84-8401   | Latch - Handle R.H.   | 1        |
| 21       | 92-2291   | Decal - Instruction   | 1        |
| 22       | 92-3146   | Decal - Panel Front   | 1        |
| 23       | 92-4086   | Grip - Foam           | 1        |

†Service Replacement Part

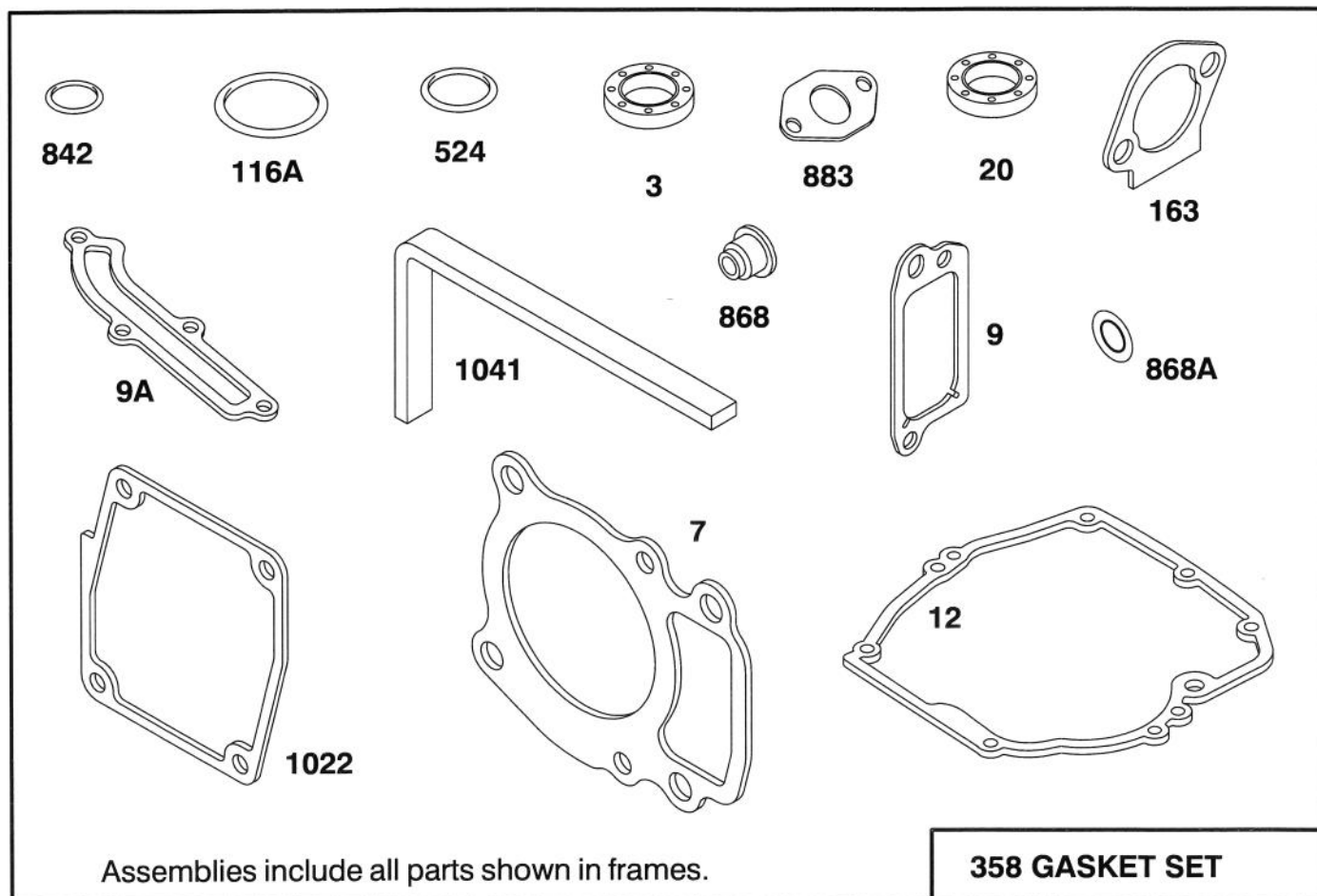


C-1335

## TRACTION CONTROL ASSEMBLY

| Ref. No. | Part No. | Description                                   | No. Used |
|----------|----------|-----------------------------------------------|----------|
| 1        | 46-7040  | Screw - Thread Forming<br>Hex Washer Hd.      | 3        |
| 2        | 12-3429  | Housing - Control R.H.<br>(Incl Ref. # 4 & 5) | 1        |
| 3        | 52-7430  | Control Bar Assembly                          | 1        |
| 4        | 52-7410  | Spring - Leaf                                 | 1        |
| 5        | 57-6290  | Pin - Insert                                  | 1        |
| 6        | 46-5530  | Hook - Control                                | 1        |
| 7        | 46-5510  | Spring - Torsion                              | 1        |
| 8        | 46-5550  | Bushing - P.M.                                | 1        |
| 9        | 32121-9  | Pin - Coil                                    | 1        |
| 10       | 46-5460  | Housing - Control L.H.                        | 1        |
| 11       | 92-2261  | Screw - Handle                                | 1        |

| Ref. No. | Part No. | Description      | No. Used |
|----------|----------|------------------|----------|
| 12       | 92-2267  | Screw - Handle   | 1        |
| 13       | 46-5590  | Spacer           | 1        |
| 14       | 46-5520  | Lever - Traction | 1        |
| 15       | 66-0180  | Rocker           | 1        |
| 16       | 46-5480  | Cable - Traction | 1        |
| 17       | 83-6600  | Cable - Clutch   | 1        |
| 18       | 46-5540  | Lever - Cable    | 1        |
| 19       | 66-0170  | Washer - Nylon   | 1        |
| 20       | 66-0190  | Spring - Detent  | 1        |
| 21       | 3296-75  | Locknut          | 1        |
| 22       | 3296-74  | Locknut          | 2        |
| 23       | 49-1630  | Support - Spacer | 1        |
| 24       | 92-2260  | Screw - Handle   | 1        |

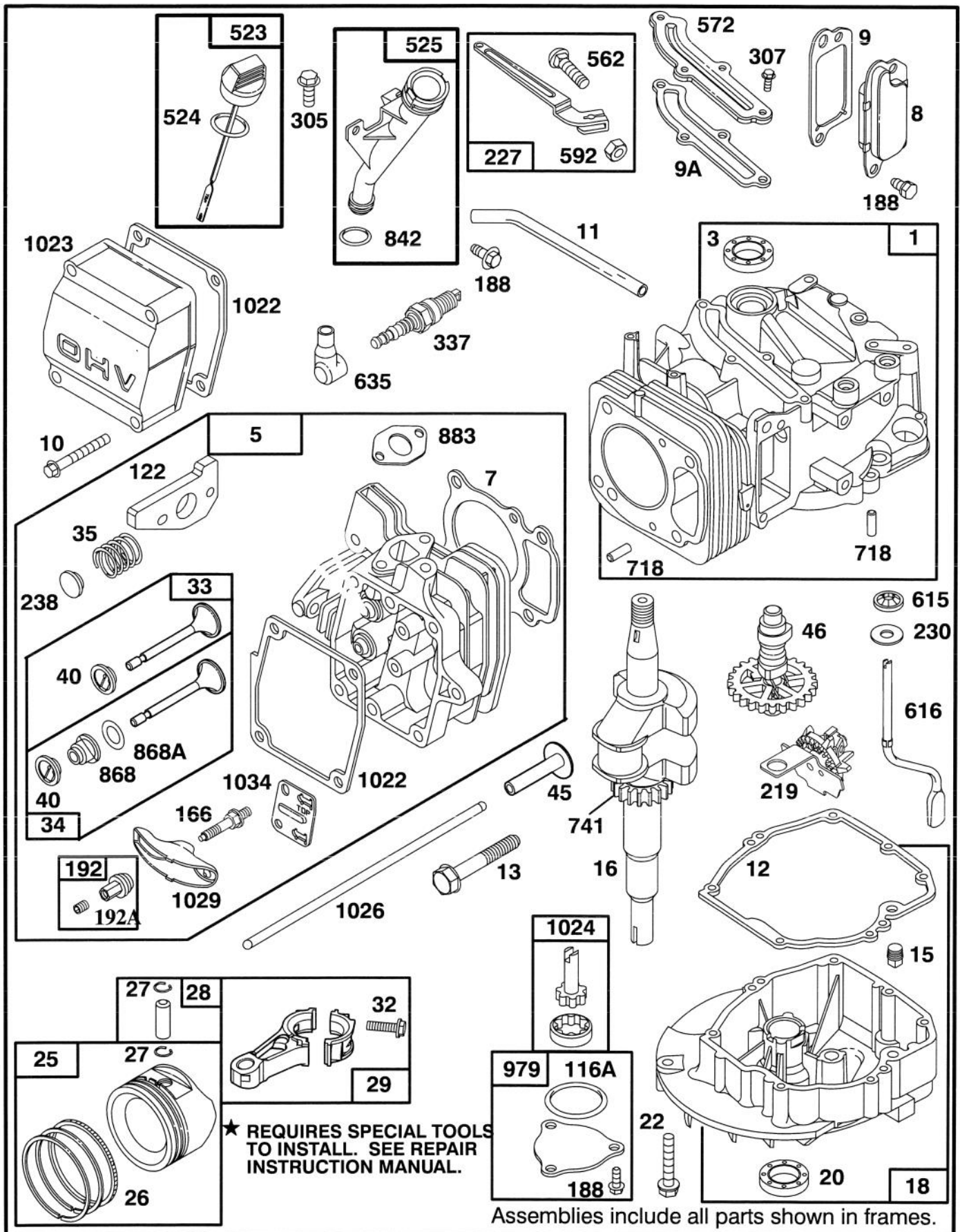


## ENGINE GTS 150

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 3        | 77-9060  | Seal - Oil             | 1        |
| 7        | 77-7740  | Gasket - Cylinder Head | 1        |
| 9        | 77-7440  | Gasket - Valve Cover   | 1        |
| 9A       | 77-7410  | Gasket - Breather      | 1        |
| 12       | 77-7550  | Gasket - Engine Base   | 1        |
| 20       | 77-7570  | Seal - Oil             | 1        |
| 116A     | 77-7660  | Seal - O Ring          | 1        |
| 163      | 77-7960  | Gasket - Air Cleaner   | 1        |

| Ref. No. | Part No. | Description           | No. Used |
|----------|----------|-----------------------|----------|
| 524      | 77-7270  | Seal - Intake Elbow   | 1        |
| 842      | 77-7300  | Seal - O Ring         | 1        |
| 868      | 77-7890  | Seal Assy - Valve     | 1        |
| 868A     | 77-7900  | Gasket - Valve        | 1        |
| 883      | 77-7760  | Gasket - Exhaust      | 1        |
| 1022     | 77-7320  | Gasket - Rocker Cover | 1        |
| 1041     | 77-8590  | Seal - Foam           | 1        |

## ENGINE GTS-150



## ENGINE GTS-150

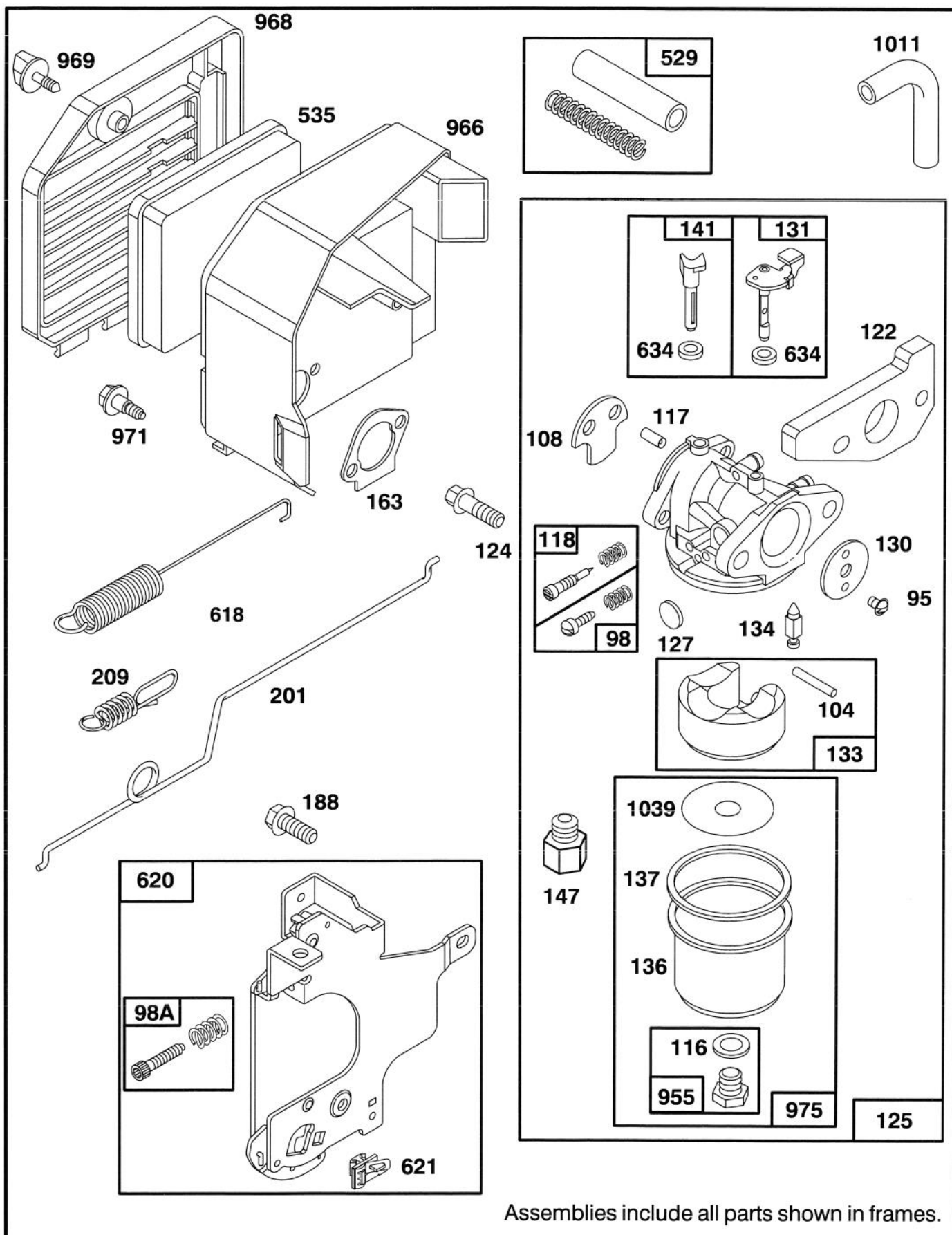
| Ref. No. | Part No. | Description                                              | No. Used |
|----------|----------|----------------------------------------------------------|----------|
| 1        | 77-7590  | Cylinder Assy.                                           | 1        |
| *3       | 77-9060  | Seal - Oil                                               | 1        |
| 5        | 77-7730  | Head - Cylinder                                          | 1        |
| *7       | 77-7740  | Gasket - Cylinder Head                                   | 1        |
| 8        | 77-9260  | Breather - Valve                                         | 1        |
| *9       | 77-9250  | Gasket - Valve Cover                                     | 1        |
| *9A      | 77-7410  | Gasket - Breather                                        | 1        |
| 10       | 77-7360  | Screw - Hex. Head<br>(valve cover)                       | 4        |
| 11       | 77-7350  | Tube - Breather                                          | 1        |
| *12      | 77-7550  | Gasket - Engine Base                                     | 1        |
| 13       | 77-7630  | Screw - Cylinder Head                                    | 4        |
| 15       | 77-9240  | Plug - Oil Drain                                         | 1        |
| 16       | 77-7510  | Crankshaft                                               | 1        |
|          |          | Note: Order Part No<br>77-7540<br>For Timing Gear Key    |          |
| 18       | 77-7560  | Base - Engine                                            | 1        |
| *20      | 77-7570  | Seal - Oil                                               | 1        |
| 22       | 77-9070  | Screw - Engine Base                                      | 7        |
|          |          | Note: Order Part No.77-9080<br>For Hole Nearest Breather |          |
| 25       | 77-7690  | Piston Assy. (Std.)                                      | 1        |
| 26       | 77-7700  | Ring Set (Std.)                                          | 1        |
| 27       | 77-7710  | Lock - Piston Pin                                        | 2        |
| 28       | 77-7720  | Pin - Piston (Std)                                       | 1        |
| 29       | 77-7670  | Rod - Connecting                                         | 1        |
| 32       | 77-7680  | Screw - Connecting Rod                                   | 2        |
| 33       | 77-7860  | Valve - Exhaust                                          | 1        |
| 34       | 77-7880  | Valve - Intake                                           | 1        |
| 35       | 77-7810  | Spring - Valve                                           | 2        |
| 40       | 77-7870  | Retainer - Spring                                        | 2        |
| 45       | 77-7610  | Tappet - Valve                                           | 2        |
| 46       | 77-7490  | Gear - Cam                                               | 1        |
| *116A    | 77-7660  | Seal - O Ring                                            | 1        |
| †122     | 77-7820  | Adapter Assy.                                            | 1        |
| 166      | 77-7780  | Stud - Rocker Arm                                        | 2        |
| 188      | 77-7450  | Screw - Sem<br>(Breather Mounting,<br>pump cover)        | 5        |

| Ref. No. | Part No. | Description                                                                                                                                                      | No. Used |
|----------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 192      | 77-7910  | Nut - Hex Special                                                                                                                                                | 2        |
| 192A     | 77-9090  | Screw - Set                                                                                                                                                      | 2        |
| 219      | 77-7500  | Gear - Governor                                                                                                                                                  | 1        |
| 227      | 77-7370  | Lever - Governor                                                                                                                                                 | 1        |
| 230      | 77-7470  | Washer - Thrust                                                                                                                                                  | 1        |
| 238      | 77-7800  | Cap - Valve                                                                                                                                                      | 2        |
| 305      | 77-8310  | Screw - Hex. Head                                                                                                                                                | 2        |
| 307      | 77-7420  | Screw - Sem<br>(breather cover)                                                                                                                                  | 4        |
| 337      | 77-7330  | Plug - Spark                                                                                                                                                     | 1        |
| 523      | 77-7260  | Dipstick - Oil                                                                                                                                                   | 1        |
| *524     | 77-7270  | Seal - Intake Elbow                                                                                                                                              | 1        |
| 525      | 77-7290  | Tube - Oil Filler                                                                                                                                                | 1        |
| 562      | 77-7380  | Bolt - Governor Lever                                                                                                                                            | 1        |
| 572      | 77-7400  | Baffle - Cylinder                                                                                                                                                | 1        |
| 592      | 77-7390  | Nut - Hex.                                                                                                                                                       | 1        |
| 615      | 77-7480  | Fastener                                                                                                                                                         | 1        |
| 616      | 77-7460  | Crank - Governor                                                                                                                                                 | 1        |
| 635      | 77-7340  | Elbow - Spark Plug                                                                                                                                               | 1        |
| 718      | 77-7600  | Dowel - Sleeve                                                                                                                                                   | 2        |
| 741      | 77-7530  | Gear - Timing                                                                                                                                                    | 1        |
| *842     | 77-7300  | Seal - O Ring                                                                                                                                                    | 1        |
| *868     | 77-7890  | Seal Assy. - Valve                                                                                                                                               | 1        |
| *868A    | 77-7900  | Gasket - Valve                                                                                                                                                   | 1        |
| *883     | 77-7760  | Gasket - Exhaust                                                                                                                                                 | 1        |
| 979      | 77-7650  | Cover - Oil Pump                                                                                                                                                 | 1        |
| *1022    | 77-7320  | Gasket - Rocker Cover                                                                                                                                            | 1        |
| 1023     | 77-7060  | Cover - Valve                                                                                                                                                    | 1        |
| 1024     | 77-7640  | Pump - Oil                                                                                                                                                       | 1        |
| 1026     | 77-7620  | Rod - Push                                                                                                                                                       | 2        |
| 1029     | 77-7790  | Arm - VLV Rocker                                                                                                                                                 | 2        |
| 1034     | 77-7770  | Guide - Push Rod                                                                                                                                                 | 1        |
| *        | 77-9280  | Short Block<br>(Incl. Ref. #1, 7, 9, 9A, 16,<br>18, 25, 28, 29, 45, 46, 122,<br>219, 230, 615, 616, 883,<br>979, 1022, & 1024 pg. 10)<br>(Incl. Ref. #163 pg.12) | 1        |

\*Included in Gasket Set

†Included in Carburetor Overhaul Kit

## ENGINE GTS-150



Assemblies include all parts shown in frames.

# ENGINE GTS-150

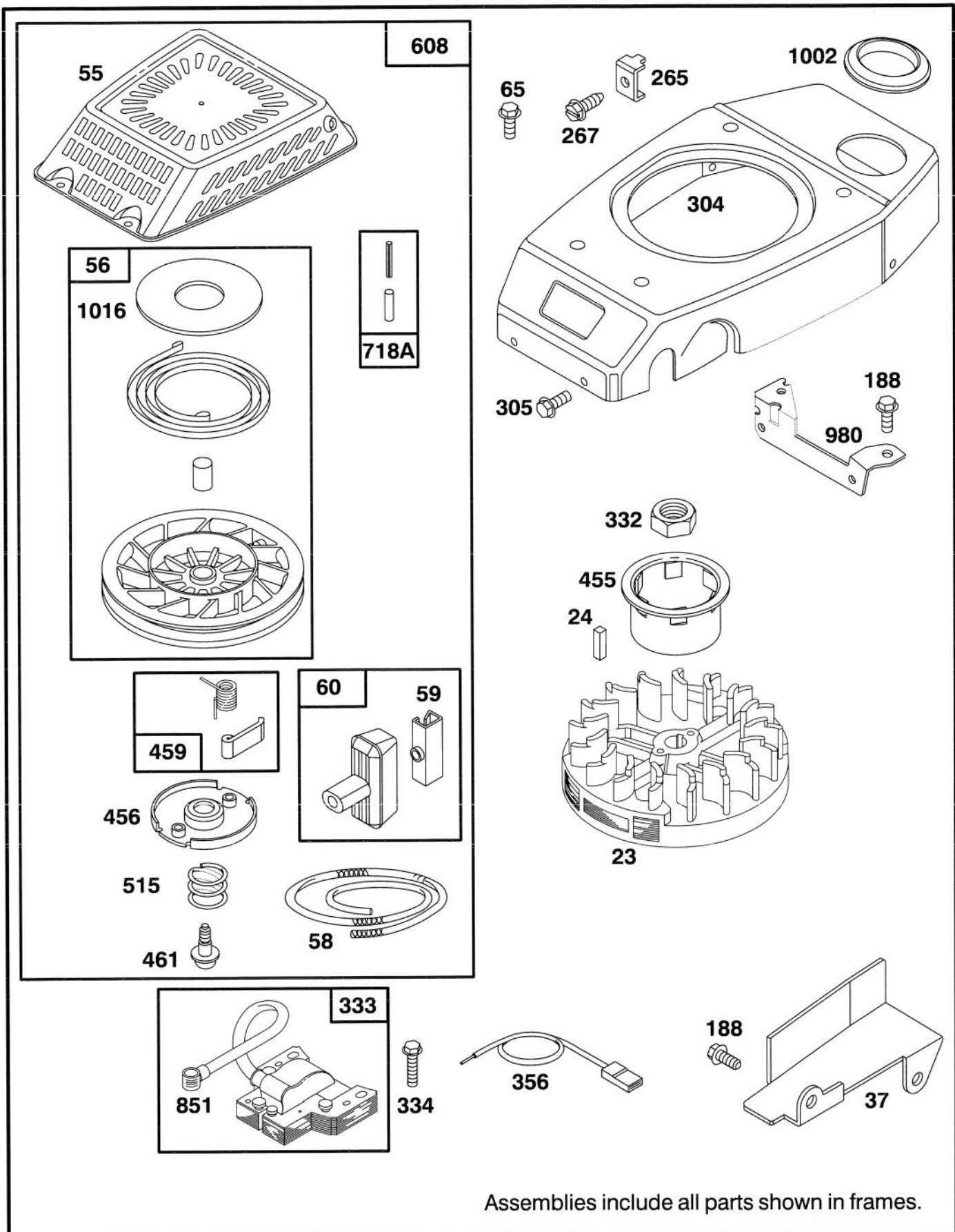
| Ref. No. | Part No. | Description                                            | No. Used |
|----------|----------|--------------------------------------------------------|----------|
| 95       | 77-8090  | Screw - Round Head                                     | 1        |
| 98       | 77-8240  | Screw - Idle Adj.                                      | 1        |
| 98A      | 77-8020  | Screw Assy - Speed Adj.                                | 1        |
| †104     | 77-8180  | Pin - Float Hinge                                      | 1        |
| 108      | 77-8070  | Valve - Choke                                          | 1        |
| †116     | 77-8210  | Washer - Fuel Bowl                                     | 1        |
| †117     | 77-8060  | Jet - Needle Valve                                     | 1        |
| †118     | 77-8230  | Valve & Kit - Needle                                   | 1        |
| †122     | 77-7820  | Adapter Assy.                                          | 1        |
| 124      | 77-7970  | Screw - Hex Head<br>(carburetor mounting)              | 2        |
| 125      | 77-8050  | Carburetor Assy                                        | 1        |
| †127     | 77-8100  | Plug - Welch                                           | 1        |
| 130      | 77-8080  | Valve - Throttle                                       | 1        |
| 131      | 77-8160  | Shaft - Throttle                                       | 1        |
| 133      | 77-8170  | Float - Carburetor                                     | 1        |
| †134     | 77-8110  | Valve - Float<br>(Includes Seat)                       | 1        |
| 136      | 77-7240  | Bowl - Fuel                                            | 1        |
| †137     | 77-8200  | Gasket - Fuel Bowl                                     | 1        |
| 141      | 77-8130  | Shaft - Choke                                          | 1        |
| 147      | 77-8120  | Adapter - Jet                                          | 1        |
|          |          | Note: For High Altitude Jet,<br>Order Part No. 77-9000 |          |

| Ref. No. | Part No. | Description                                                     | No. Used |
|----------|----------|-----------------------------------------------------------------|----------|
| *163     | 77-7960  | Gasket - Air Cleaner                                            | 1        |
| 188      | 77-7450  | Screw - Hex. Head<br>(connecting bracket)                       | 2        |
| 201      | 77-7980  | Link - Governor                                                 | 1        |
| 209      | 77-7990  | Spring - Governor                                               | 1        |
| 529      | 77-8030  | Tube - Breather                                                 | 1        |
| 535      | 77-7950  | Element - Filter<br>Note: 77-9010 - Element<br>Paper (Optional) | 1        |
| 618      | 77-8140  | Spring - Return                                                 | 1        |
| 620      | 77-8000  | Bracket - Carburetor                                            | 1        |
| 621      | 77-8010  | Switch - Stop                                                   | 1        |
| †634     | 77-8150  | Washer - Seal                                                   | 2        |
| 955      | 77-8220  | Screw - Hex Head                                                | 1        |
| 966      | 77-7940  | Base Air Cleaner                                                | 1        |
| 968      | 77-7040  | Cover - Air Cover                                               | 1        |
| 969      | 77-7920  | Screw - Air Cleaner                                             | 1        |
| 971      | 77-7930  | Screw - Air Cleaner                                             | 3        |
| 975      | 77-8190  | Bowl Assy. - Carburetor                                         | 1        |
| 1011     | 77-8040  | Tube - Vent                                                     | 1        |
| †1039    | 77-7250  | Limiter - Float                                                 | 1        |

\*Included in Gasket Set

†Included in Carburetor Overhaul Kit

# ENGINE GTS-150

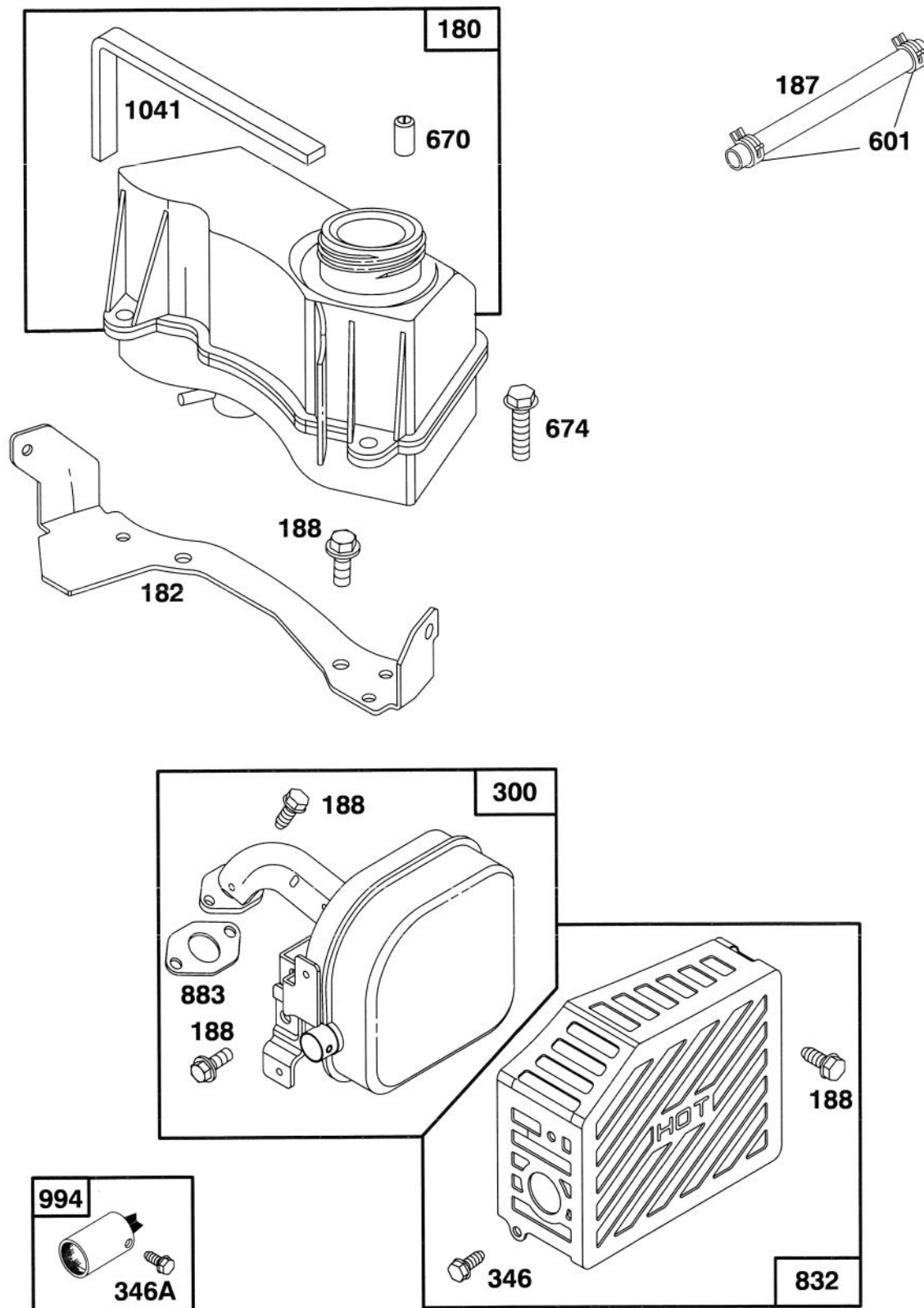


**ENGINE GTS-150**

| Ref. No. | Part No. | Description                                              | No. Used |
|----------|----------|----------------------------------------------------------|----------|
| 23       | 77-8330  | Flywheel - Magneto                                       | 1        |
| 24       | 77-8340  | Key - Flywheel                                           | 1        |
| 37       | 77-7190  | Guard - Flywheel                                         | 1        |
| 55       | 77-8460  | Housing - Rewind Starter                                 | 1        |
| 56       | 77-8560  | Pulley - Rewind Starter                                  | 1        |
| 58       | 77-8480  | Spool - Starter Rope<br>(Cut To Suit)                    | 1        |
| 59       | 77-7210  | Insert - Starter Grip                                    | 1        |
| 60       | 77-8510  | Grip - Starter Rope                                      | 1        |
| 65       | 77-8300  | Screw - Hex. Head                                        | 4        |
| 188      | 77-7450  | Screw - Hex. Head<br>(Blower bracket,<br>Flywheel Guard) | 4        |
| 265      | 77-8280  | Clamp - Casing                                           | 1        |
| 267      | 77-8290  | Screw - Hex Head                                         | 1        |
| 304      | 77-8270  | Housing - Blower                                         | 1        |
| 305      | 77-8310  | Screw - Hex. Head<br>(blower housing)                    | 4        |

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 332      | 77-8360  | Nut - Hex                 | 1        |
| 333      | 77-8420  | Armature - Magneto        | 1        |
| 334      | 77-8440  | Screw - Sem               | 2        |
| 356      | 77-8400  | Wire - Ground             | 1        |
| 455      | 77-8350  | Cup - Starter             | 1        |
| 456      | 77-8470  | Retainer - Spring         | 1        |
| 459      | 77-8530  | Pawl & Spring Ratchet     | 2        |
| 461      | 77-8490  | Screw - Rewind Starter    | 1        |
| 515      | 77-8500  | Spring - Retainer         | 1        |
| 608      | 77-8450  | Starter Assy - Rewind     | 1        |
| 718A     | 77-8550  | Dowel - Sleeve            | 1        |
| 851      | 77-8430  | Terminal - Spark Plug     | 1        |
| 980      | 77-7140  | Bracket - Blower Housing. | 1        |
| 1002     | 77-7180  | Grommet                   | 1        |
| 1016     | 77-8570  | Cover - Pulley            | 1        |

## ENGINE GTS-150



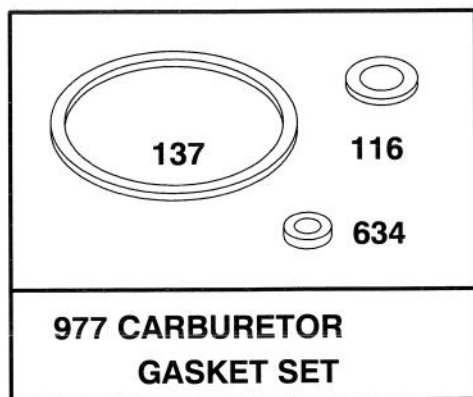
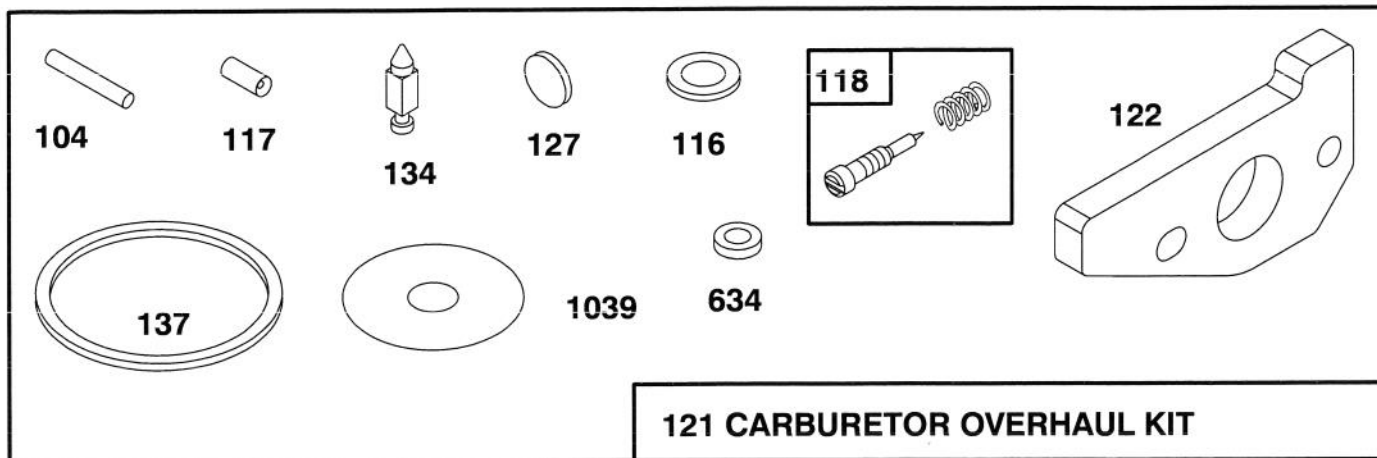
Assemblies include all parts shown in frames.

# ENGINE GTS-150

| Ref. No. | Part No. | Description                                                                                   | No. Used |
|----------|----------|-----------------------------------------------------------------------------------------------|----------|
| 180      | 77-8580  | Tank Assy - Fuel                                                                              | 1        |
| 182      | 77-7170  | Bracket - Fuel Tank                                                                           | 1        |
| 187      | 77-8620  | Hose - Fuel<br>(Cut To Suit)                                                                  | 1        |
| 188      | 77-7450  | Screw - Hex. Head<br>(muffler guard, muffler manifold to head connecting bracket, tk bracket) | 7        |
| 300      | 77-8640  | Muffler - Exhaust                                                                             | 1        |
| 346      | 77-8650  | Screw - Self Tapping<br>(muffler guard)                                                       | 2        |

| Ref. No. | Part No. | Description                  | No. Used |
|----------|----------|------------------------------|----------|
| 346A     | 77-9050  | Screw - Arrester Mtg.        | 1        |
| 601      | 77-8630  | Clamp - CL Pipe              | 2        |
| 670      | 77-9030  | Spacer - Fuel Tank (Incl. 2) | 1        |
| 674      | 77-8600  | Screw - Tank Mtg.            | 2        |
| 832      | 77-9290  | Guard - Muffler              | 1        |
| *883     | 77-7760  | Gasket - Exhaust             | 1        |
| 994      | 77-9040  | Arrester - Spark             | 1        |
| *1041    | 77-8590  | Seal - Foam                  | 1        |

\*Included in Gasket Set



Assemblies include all parts shown in frames.

## ENGINE GTS 150

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 104      | 77-8180  | Pin - Float Hinge         | 1        |
| 116      | 77-8210  | Washer - Fuel Bowl        | 1        |
| 117      | 77-8060  | Jet - Needle Valve        | 1        |
| 118      | 77-8230  | Valve & Kit - Needle      | 1        |
| 121      | 77-8920  | Overhaul Kit - Carburetor | 1        |
| 122      | 77-7820  | Adapter Assy.             | 1        |
| 127      | 77-8100  | Plug - Welch              | 1        |

| Ref. No. | Part No. | Description                   | No. Used |
|----------|----------|-------------------------------|----------|
| 134      | 77-8110  | Valve - Float (Includes Seat) | 1        |
| 137      | 77-8200  | Gasket - Fuel Bowl            | 1        |
| 358      | 77-8900  | Gasket Set                    | 1        |
| 634      | 77-8150  | Washer - Seal                 | 2        |
| 977      | 77-8930  | Gasket Set - Carburetor       | 1        |
| 1039     | 77-7250  | Limiter - Float               | 1        |
|          | 77-9000  | High Altitude Jet             | 1        |

# TORO PART NUMBER INDEX

3315-990

| Part No. | Description               | Pg. Ref.<br>No. No. Qty. | Part No.   | Description              | Pg. Ref.<br>No. No. Qty. |
|----------|---------------------------|--------------------------|------------|--------------------------|--------------------------|
| 3-3287   | Spacer - Handle Latch     | 7 13 2                   | 60-8710    | Gear Case - Upper        | 6 59 1                   |
| 12-3429  | Housing - Control R.H.    | 8 2 1                    | 60-8730    | Cover - Gear Case        | 5 44 1                   |
| 14-9419  | Blade - 21                | 4 23 1                   | 60-8750    | Bushing - Int. Shaft     | 5 45 2                   |
| 14-9979  | Cover Assembly            | 1 9 1                    | 60-8770    | Bushing - Output Shaft   | 5 43 1                   |
| 14-9989  | Wheel & Tire Assembly     | 1 26 2                   | 60-8790    | Sleeve - Gear            | 6 53 1                   |
| 16-0029  | Wheel - Tire & Gear Ass'y | 5 30 2                   | 60-8800    | Shaft - Intermediate     | 6 50 1                   |
| 16-1589  | Housing Assembly          | 2 33 1                   | 60-8810    | Retainer - Shift Fork    | 5 38 1                   |
| 16-1639  | Panel - Control           | 7 5 1                    | 60-8821    | Lever - Shift            | 5 17 1                   |
| 19-4050  | Knob - Handle Release     | 7 19 2                   | 60-8840    | Pulley - Half            | 5 10 2                   |
| 25-7740  | Knob - Arm                | 1 2 2                    | 60-8850    | Bushing - Output Shaft   | 6 51 1                   |
| 25-7740  | Knob - Arm                | 5 3 2                    | 60-8870    | Yoke - Shift             | 5 36 1                   |
| 27-6232  | Bolt - Wheel              | 1 25 2                   | 60-8890    | Pinion - Bevel           | 6 57 1                   |
| 27-6232  | Wheel Bolt                | 5 32 2                   | 62-3720    | Clamp - Cable            | 2 34 1                   |
| 27-6250  | Bushing                   | 1 24 4                   | 62-3900    | V-Belt                   | 5 13 1                   |
| 27-6250  | Bushing - Wheel           | 5 31 4                   | 62-3950    | Decal - Step Pad         | 1 18 1                   |
| 27-7210  | Screw - Shoulder          | 7 12 2                   | 62-4280    | Spacer - Blade           | 4 11 1                   |
| 27-7211  | Screw - Shoulder          | 7 11 2                   | 62-4320    | Bracket - Belt Guide     | 5 7 1                    |
| 29-9570  | Bushing - Yoke            | 5 37 1                   | 62-6660    | Spacer                   | 5 9 1                    |
| 33-3208  | Rod - Shield              | 1 19 1                   | 62-6673    | Gear Case Assembly       | 6 * 1                    |
| 36-4780  | Washer - Thrust           | 5 42 1                   | 62-7560    | Pulley Driver            | 4 19 1                   |
| 36-4791  | Washer - Thrust           | 5 46 2                   | 63-8701-03 | Pivot Arm Assembly       | 5 2 2                    |
| 37-7260  | Screw - Special           | 1 13 2                   | 63-8721    | Spring Arm Assembly      | 5 4 2                    |
| 38-7820  | Bearing - Ball            | 6 58 1                   | 65-2720    | Ring - Retaining         | 5 24 4                   |
| 40-1940  | Washer - Wheel Bolt       | 1 27 4                   | 65-4710    | Ring - Friction          | 5 25 2                   |
| 42-0884  | V-Belt                    | 4 28 1                   | 65-4720    | Spring                   | 5 28 2                   |
| 42-3190  | Bolt - Blade              | 4 18 2                   | 65-4730    | Thrust Washer            | 5 22 2                   |
| 42-3520  | End Cap                   | 5 5 2                    | 65-4740    | Thrust Washer            | 5 23 4                   |
| 42-6890  | Hub Assembly              | 4 16 1                   | 65-4750    | Pinion                   | 5 1 2                    |
| 44-0580  | Shield - Trailing         | 1 20 1                   | 65-4760    | Washer - Clutch          | 5 26 2                   |
| 46-5460  | Housing - Control L.H.    | 8 10 1                   | 65-4770    | Shaft - Output           | 5 18 1                   |
| 46-5480  | Cable - Traction          | 8 16 1                   | 65-5250    | Clip - Spring            | 6 61 1                   |
| 46-5510  | Spring - Torsion          | 8 7 1                    | 66-0170    | Washer - Nylon           | 8 19 1                   |
| 46-5520  | Lever - Traction          | 8 14 1                   | 66-0180    | Rocker                   | 8 15 1                   |
| 46-5530  | Hook - Control            | 8 6 1                    | 66-0190    | Spring - Detent          | 8 20 1                   |
| 46-5540  | Lever - Cable             | 8 18 1                   | 66-0560    | Screw - Pivot            | 1 23 2                   |
| 46-5550  | Bushing - P.M.            | 8 8 1                    | 66-0570    | Guide - Belt             | 3 5 1                    |
| 46-5590  | Spacer                    | 8 13 1                   | 66-0580-03 | Arm - Pivot              | 1 28 2                   |
| 46-5630  | Hub - Idler Pulley        | 4 27 1                   | 66-1790    | Decal - Danger           | 7 4 1                    |
| 46-5650  | Pulley Idler              | 4 22 1                   | 66-6040    | Key - Rocker R.H.        | 5 * 1                    |
| 46-5670  | Spring - Torsion Lower    | 4 26 1                   | 66-6050    | Key - Rocker L.H.        | 5 27 1                   |
| 46-5690  | Shield                    | 4 9 1                    | 68-9780    | Bearing                  | 4 30 2                   |
| 46-6440  | Cover - Control Cable     | 7 8 1                    | 70-1160    | Washer - P.M.            | 4 31 1                   |
| 46-6810  | Screw & Washer Ass'y      | 1 8 1                    | 70-9760    | Bushing                  | 5 19 2                   |
| 46-6811  | Screw - Thread Forming    | 1 10 3                   | 71-0561    | Spring Arm Ass'y R.H.    | 1 1 1                    |
| 46-6811  | Screw - Thread Forming    | 4 10 3                   | 71-0571    | Spring Arm Ass'y L.H.    | 1 30 1                   |
| 46-7030  | Retainer - Cable          | 1 16 1                   | 71-8391    | Control - Throttle       | 7 6 1                    |
| 46-7040  | Screw - Thread Forming    | 8 1 3                    | 74-1660    | Cover - Wheel            | 5 29 2                   |
| 48-2060  | Needle Bearing            | 5 21 2                   | 74-1670    | Spacer - Wheel Cover     | 5 33 2                   |
| 49-1630  | Support - Spacer          | 8 23 1                   | 76-0760    | Key - Shift              | 5 40 2                   |
| 49-2040  | Screw - Self Tapping      | 5 8 8                    | 76-0770    | Collar - Shift           | 5 41 1                   |
| 49-2750  | Pin - Handle              | 7 16 2                   | 76-0780    | Sleeve - Shift Key       | 5 39 1                   |
| 49-2810  | Link - Control            | 4 1 1                    | 76-2712    | Control - Ground Speed   | 7 2 1                    |
| 49-2820  | Lever                     | 4 34 1                   | 77-7040    | Cover - Air Cover        | 13 968 1                 |
| 49-7920  | Brake Plate               | 4 25 1                   | 77-7060    | Cover - Valve            | 11 1023 1                |
| 49-7950  | Sleeve - Bell Crank       | 4 5 1                    | 77-7140    | Bracket - Blower Housing | 15 980 1                 |
| 49-7960  | Bell Crank                | 4 4 1                    | 77-7170    | Bracket - Fuel Tank      | 17 182 1                 |
| 49-7970  | Spring - Torsion Upper    | 4 32 1                   | 77-7180    | Grommet                  | 15 1002 1                |
| 52-3480  | Dampener - Vibration      | 4 17 2                   | 77-7190    | Guard - Flywheel         | 15 37 1                  |
| 52-7410  | Spring - Leaf             | 8 4 1                    | 77-7210    | Insert - Starter Grip    | 15 59 1                  |
| 52-7430  | Control Bar Assembly      | 8 3 1                    | 77-7240    | Bowl - Fuel              | 13 136 1                 |
| 54-9190  | Locknut                   | 4 12 2                   | 77-7250    | Limiter - Float          | 13 1039 1                |
| 55-3570  | Gas Cap Assembly          | 3 9 1                    | 77-7250    | Limiter - Float          | 18 1039 1                |
| 55-3760  | Gear - Pinion 15 Tooth    | 5 47 1                   | 77-7260    | Dipstick - Oil           | 11 523 1                 |
| 55-3770  | Gear - 49 Tooth 1st Gear  | 6 56 1                   | 77-7270    | Seal - Intake Elbow      | 11 *524 1                |
| 55-3780  | Gear - Pinion 20 Tooth    | 5 48 1                   | 77-7270    | Seal - Intake Elbow      | 9 524 1                  |
| 55-3790  | Gear - 44 Tooth 2nd Gear  | 6 55 1                   | 77-7290    | Tube - Oil Filler        | 11 525 1                 |
| 55-3800  | Gear - Pinion             | 6 49 1                   | 77-7300    | Seal - O Ring            | 9 842 1                  |
| 55-3810  | Gear - 39 Tooth 3rd Gear  | 6 54 1                   | 77-7300    | Seal - O Ring            | 11 *842 1                |
| 56-6160  | Flywheel                  | 4 7 1                    | 77-7320    | Gasket - Rocker Cover    | 11 *1022 1               |
| 56-6170  | Drum - Brake              | 4 8 1                    | 77-7320    | Gasket - Rocker Cover    | 9 1022 1                 |
| 56-6270  | Decal - Danger            | 1 6 1                    | 77-7330    | Plug - Spark             | 11 337 1                 |
| 57-6290  | Pin - Insert              | 8 5 1                    | 77-7340    | Elbow - Spark Plug       | 11 635 1                 |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

| Part No. | Description            | Pg. Ref.<br>No. No. Qty. | Part No. | Description               | Pg. Ref.<br>No. No. Qty. |
|----------|------------------------|--------------------------|----------|---------------------------|--------------------------|
| 77-7350  | Tube - Breather        | 11 11 1                  | 77-8000  | Bracket - Carburetor      | 13 620 1                 |
| 77-7360  | Screw - Hex. Head      | 11 10 4                  | 77-8010  | Switch - Stop             | 13 621 1                 |
| 77-7370  | Lever - Governor       | 11 227 1                 | 77-8020  | Screw Assy - Speed Adj.   | 13 98A 1                 |
| 77-7380  | Bolt - Governor Lever  | 11 562 1                 | 77-8030  | Tube - Breather           | 13 529 1                 |
| 77-7390  | Nut - Hex.             | 11 592 1                 | 77-8040  | Tube - Vent               | 13 1011 1                |
| 77-7400  | Baffle - Cylinder      | 11 572 1                 | 77-8050  | Carburetor Assy           | 13 125 1                 |
| 77-7410  | Gasket - Breather      | 11 *9A 1                 | 77-8060  | Jet - Needle Valve        | 13 117 1                 |
| 77-7410  | Gasket - Breather      | 9 9A 1                   | 77-8060  | Jet - Needle Valve        | 18 117 1                 |
| 77-7420  | Screw - Sem            | 11 307 4                 | 77-8070  | Valve - Choke             | 13 108 1                 |
| 77-7440  | Gasket - Valve Cover   | 9 9 1                    | 77-8080  | Valve - Throttle          | 13 130 1                 |
| 77-7450  | Screw - Hex. Head      | 13 188 2                 | 77-8090  | Screw - Round Head        | 13 95 1                  |
| 77-7450  | Screw - Hex. Head      | 15 188 4                 | 77-8100  | Plug - Welch              | 13 127 1                 |
| 77-7450  | Screw - Hex. Head      | 17 188 7                 | 77-8100  | Plug - Welch              | 18 127 1                 |
| 77-7450  | Screw - Sem            | 11 188 5                 | 77-8110  | Valve - Float             | 13 134 1                 |
| 77-7460  | Crank - Governor       | 11 616 1                 | 77-8110  | Valve - Float             | 18 134 1                 |
| 77-7470  | Washer - Thrust        | 11 230 1                 | 77-8120  | Adapter - Jet             | 13 147 1                 |
| 77-7480  | Fastener               | 11 615 1                 | 77-8130  | Shaft - Choke             | 13 141 1                 |
| 77-7490  | Gear - Cam             | 11 46 1                  | 77-8140  | Spring - Return           | 13 618 1                 |
| 77-7500  | Gear - Governor        | 11 219 1                 | 77-8150  | Washer - Seal             | 13 634 2                 |
| 77-7510  | Crankshaft             | 11 16 1                  | 77-8150  | Washer - Seal             | 18 634 2                 |
| 77-7530  | Gear - Timing          | 11 741 1                 | 77-8160  | Shaft - Throttle          | 13 131 1                 |
| 77-7550  | Gasket - Engine Base   | 11 *12 1                 | 77-8170  | Float - Carburetor        | 13 133 1                 |
| 77-7550  | Gasket - Engine Base   | 9 12 1                   | 77-8180  | Pin - Float Hinge         | 13 104 1                 |
| 77-7560  | Base - Engine          | 11 18 1                  | 77-8180  | Pin - Float Hinge         | 18 104 1                 |
| 77-7570  | Seal - Oil             | 11 *20 1                 | 77-8190  | Bowl Assy. - Carburetor   | 13 975 1                 |
| 77-7570  | Seal - Oil             | 9 20 1                   | 77-8200  | Gasket - Fuel Bowl        | 13 137 1                 |
| 77-7590  | Cylinder Assy.         | 11 1 1                   | 77-8200  | Gasket - Fuel Bowl        | 18 137 1                 |
| 77-7600  | Dowel - Sleeve         | 11 718 2                 | 77-8210  | Washer - Fuel Bowl        | 13 116 1                 |
| 77-7610  | Tappet - Valve         | 11 45 2                  | 77-8210  | Washer - Fuel Bowl        | 18 116 1                 |
| 77-7620  | Rod - Push             | 11 1026 2                | 77-8220  | Screw - Hex Head          | 13 955 1                 |
| 77-7630  | Screw - Cylinder Head  | 11 13 4                  | 77-8230  | Valve & Kit - Needle      | 13 118 1                 |
| 77-7640  | Pump - Oil             | 11 1024 1                | 77-8230  | Valve & Kit - Needle      | 18 118 1                 |
| 77-7650  | Cover - Oil Pump       | 11 979 1                 | 77-8240  | Screw - Idle Adj.         | 13 98 1                  |
| 77-7660  | Seal - O Ring          | 9 116A 1                 | 77-8270  | Housing - Blower          | 15 304 1                 |
| 77-7660  | Seal - O Ring          | 11*116A 1                | 77-8280  | Clamp - Casing            | 15 265 1                 |
| 77-7670  | Rod - Connecting       | 11 29 1                  | 77-8290  | Screw - Hex Head          | 15 267 1                 |
| 77-7680  | Screw - Connecting Rod | 11 32 2                  | 77-8300  | Screw - Hex. Head         | 15 65 4                  |
| 77-7690  | Piston Assy. (Std.)    | 11 25 1                  | 77-8310  | Screw - Hex. Head         | 11 305 2                 |
| 77-7700  | Ring Set (Std.)        | 11 26 1                  | 77-8310  | Screw - Hex. Head         | 15 305 4                 |
| 77-7710  | Lock - Piston Pin      | 11 27 2                  | 77-8330  | Flywheel - Magneto        | 15 23 1                  |
| 77-7720  | Pin - Piston (Std)     | 11 28 1                  | 77-8340  | Key - Flywheel            | 15 24 1                  |
| 77-7730  | Head - Cylinder        | 11 5 1                   | 77-8350  | Cup - Starter             | 15 455 1                 |
| 77-7740  | Gasket - Cylinder Head | 11 *7 1                  | 77-8360  | Nut - Hex                 | 15 332 1                 |
| 77-7740  | Gasket - Cylinder Head | 9 7 1                    | 77-8400  | Wire - Ground             | 15 356 1                 |
| 77-7760  | Gasket - Exhaust       | 11 *883 1                | 77-8420  | Armature - Magneto        | 15 333 1                 |
| 77-7760  | Gasket - Exhaust       | 17 *883 1                | 77-8430  | Terminal - Spark Plug     | 15 851 1                 |
| 77-7760  | Gasket - Exhaust       | 9 883 1                  | 77-8440  | Screw - Sem               | 15 334 2                 |
| 77-7770  | Guide - Push Rod       | 11 1034 1                | 77-8450  | Starter Assy - Rewind     | 15 608 1                 |
| 77-7780  | Stud - Rocker Arm      | 11 166 2                 | 77-8460  | Housing - Rewind Starter  | 15 55 1                  |
| 77-7790  | Arm - VLV Rocker       | 11 1029 2                | 77-8470  | Retainer - Spring         | 15 456 1                 |
| 77-7800  | Cap - Valve            | 11 238 2                 | 77-8480  | Spool - Starter Rope      | 15 58 1                  |
| 77-7810  | Spring - Valve         | 11 35 2                  | 77-8490  | Screw - Rewind Starter    | 15 461 1                 |
| 77-7820  | Adapter Assy.          | 11 122 1                 | 77-8500  | Spring - Retainer         | 15 515 1                 |
| 77-7820  | Adapter Assy.          | 13 122 1                 | 77-8510  | Grip - Starter Rope       | 15 60 1                  |
| 77-7820  | Adapter Assy.          | 18 122 1                 | 77-8530  | Pawl & Spring Ratchet     | 15 459 2                 |
| 77-7860  | Valve - Exhaust        | 11 33 1                  | 77-8550  | Dowel - Sleeve            | 15 718A 1                |
| 77-7870  | Retainer - Spring      | 11 40 2                  | 77-8560  | Pulley - Rewind Starter   | 15 56 1                  |
| 77-7880  | Valve - Intake         | 11 34 1                  | 77-8570  | Cover - Pulley            | 15 1016 1                |
| 77-7890  | Seal Assy - Valve      | 9 868 1                  | 77-8580  | Tank Assy - Fuel          | 17 180 1                 |
| 77-7890  | Seal Assy. - Valve     | 11 *868 1                | 77-8590  | Seal - Foam               | 17*1041 1                |
| 77-7900  | Gasket - Valve         | 11*868A 1                | 77-8590  | Seal - Foam               | 9 1041 1                 |
| 77-7900  | Gasket - Valve         | 9 868A 1                 | 77-8600  | Screw - Tank Mtg.         | 17 674 2                 |
| 77-7910  | Nut - Hex Special      | 11 192 2                 | 77-8620  | Hose - Fuel               | 17 187 1                 |
| 77-7920  | Screw - Air Cleaner    | 13 969 1                 | 77-8630  | Clamp - CL Pipe           | 17 601 2                 |
| 77-7930  | Screw - Air Cleaner    | 13 971 3                 | 77-8640  | Muffler - Exhaust         | 17 300 1                 |
| 77-7940  | Base Air Cleaner       | 13 966 1                 | 77-8650  | Screw - Self Tapping      | 17 346 2                 |
| 77-7950  | Element - Filter       | 13 535 1                 | 77-8900  | Gasket Set                | 18 358 1                 |
| 77-7960  | Gasket - Air Cleaner   | 13 *163 1                | 77-8920  | Overhaul Kit - Carburetor | 18 121 1                 |
| 77-7960  | Gasket - Air Cleaner   | 9 163 1                  | 77-8930  | Gasket Set - Carburetor   | 18 977 1                 |
| 77-7970  | Screw - Hex Head       | 13 124 2                 | 77-8981  | Engine                    | 3 3 1                    |
| 77-7980  | Link - Governor        | 13 201 1                 | 77-9000  | High Altitude Jet         | 18 1 1                   |
| 77-7990  | Spring - Governor      | 13 209 1                 | 77-9030  | Spacer - Fuel Tank        | 17 670 1                 |

\*Not Illustrated

# TORO PART NUMBER INDEX (Cont.)

3315-990

| Part No.   | Description               | Pg. Ref.<br>No. No. Qty. | Part No.  | Description              | Pg. Ref.<br>No. No. Qty. |
|------------|---------------------------|--------------------------|-----------|--------------------------|--------------------------|
| 77-9040    | Arrester - Spark          | 17 994 1                 | 2412-50   | Clip Convolved Tubing    | 7 7 3                    |
| 77-9050    | Screw - Arrester Mtg.     | 17 346A 1                | 302-56    | Fitting - Grease         | 5 20 2                   |
| 77-9060    | Seal - Oil                | 11 *3 1                  | 322-16    | Hex Hd. Capscrew         | 4 24 1                   |
| 77-9060    | Seal - Oil                | 9 3 1                    | 3256-23   | Washer - Plain           | 4 3 2                    |
| 77-9070    | Screw - Engine Base       | 11 22 7                  | 3256-24   | Washer - Flat            | 5 12 1                   |
| 77-9090    | Screw - Set               | 11 192A 2                | 3257-17   | Key - Woodruff           | 4 6 1                    |
| 77-9240    | Plug - Oil Drain          | 11 15 1                  | 3272-10   | Pin - Cotter             | 5 14 1                   |
| 77-9250    | Gasket - Valve Cover      | 11 *9 1                  | 3290-378  | Tie - Cable              | 7 9 3                    |
| 77-9260    | Breather - Valve          | 11 8 1                   | 3295-23   | Rivet - Semi Tubular     | 4 21 2                   |
| 77-9280    | Short Block               | 11 * 1                   | 3296-5    | Locknut                  | 5 11 1                   |
| 77-9290    | Guard - Muffler           | 17 832 1                 | 3296-6    | Locknut                  | 5 34 2                   |
| 80-2770    | Cup - Anti-Scalp          | 4 13 1                   | 3296-6    | Nut - Lock               | 1 29 4                   |
| 82-5531-03 | Lower Handle Ass'y        | 7 1 1                    | 3296-33   | Locknut                  | 4 15 1                   |
| 82-5680    | Bracket - Traction Adj.   | 1 15 1                   | 3296-47   | Locknut                  | 4 29 1                   |
| 82-8780    | Cable - Retainer          | 5 15 1                   | 3296-47   | Nut - Lock               | 7 15 3                   |
| 82-9910    | Cover - Belt              | 1 17 1                   | 3296-72   | Nut - Lock               | 7 14 3                   |
| 83-6600    | Cable - Clutch            | 8 17 1                   | 3296-74   | Locknut                  | 8 22 2                   |
| 84-8361    | Latch - Handle L.H.       | 7 10 1                   | 3296-75   | Locknut                  | 8 21 1                   |
| 84-8401    | Latch - Handle R.H.       | 7 20 1                   | 32104-96  | Screw - Self Tap Hex Hd. | 4 33 1                   |
| 91-2253    | Cover - Wheel             | 1 21 1                   | 32104-107 | Screw - Self Tap Hex Hd. | 4 2 1                    |
| 91-2255    | Stiffener - Blade         | 4 14 1                   | 32121-9   | Pin - Coil               | 8 9 1                    |
| 92-1703    | Decal - Danger            | 1 11 1                   | 32121-120 | Pin - Coil               | 6 52 1                   |
| 92-1720    | Plate - Kicker R.H. Front | 1 3 1                    | 32144-70  | Screw - Hex Washer Hd.   | 3 6 2                    |
| 92-1730    | Plate - Kicker L.H. Front | 1 4 1                    | 32144-70  | Screw - Thread Forming   | 1 14 2                   |
| 92-1750    | Plate - Kicker L.H. Rear  | 1 12 1                   | 32144-70  | Screw - Thread Forming   | 5 16 1                   |
| 92-2260    | Screw - Handle            | 7 18 2                   | 32144-85  | Screw                    | 5 35 2                   |
| 92-2260    | Screw - Handle            | 8 24 1                   | 32144-85  | Screw - Thread Forming   | 2 31 2                   |
| 92-2261    | Screw - Handle            | 8 11 1                   | 32144-102 | Screw - Thread Forming   | 3 7 3                    |
| 92-2267    | Screw - Handle            | 8 12 1                   | 32144-111 | Screw - Plastite         | 1 5 6                    |
| 92-2277    | Handle - Upper            | 7 3 1                    | 32144-115 | Screw - Tapping          | 7 17 4                   |
| 92-2279    | Decal - H.O.C.            | 1 22 4                   |           |                          |                          |
| 92-2281    | Decal - Deck              | 2 32 1                   |           |                          |                          |
| 92-2289    | Plate - Toro              | 3 8 1                    |           |                          |                          |
| 92-2291    | Decal - Instruction       | 7 21 1                   |           |                          |                          |
| 92-3146    | Decal - Panel Front       | 7 22 1                   |           |                          |                          |
| 92-3147    | Decal - Recoil            | 3 4 1                    |           |                          |                          |
| 92-4086    | Grip - Foam               | 7 23 1                   |           |                          |                          |
| 2210-249   | Clamp - Throttle          | 3 1 1                    |           |                          |                          |
| 2210-313   | Screw - Clamp             | 3 2 1                    |           |                          |                          |
| 237-153    | O-Ring                    | 6 60 2                   |           |                          |                          |

## OPTIONAL EQUIPMENT

Recycler Side Discharge Kit . . . . Model No. 59189  
 Wear Plate Kit . . . . . Part No. 49-4080  
 Recycler Bagging Kit . . . . . Model No. 59174  
 Dethatcher Kit . . . . . Model No. 59131

## PRODUCT CHANGES

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

## COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

Customers who have purchased TORO products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province or state. If for any reason you are dissatisfied with your Distributor's

service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

## MAINTENANCE RECORD

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