

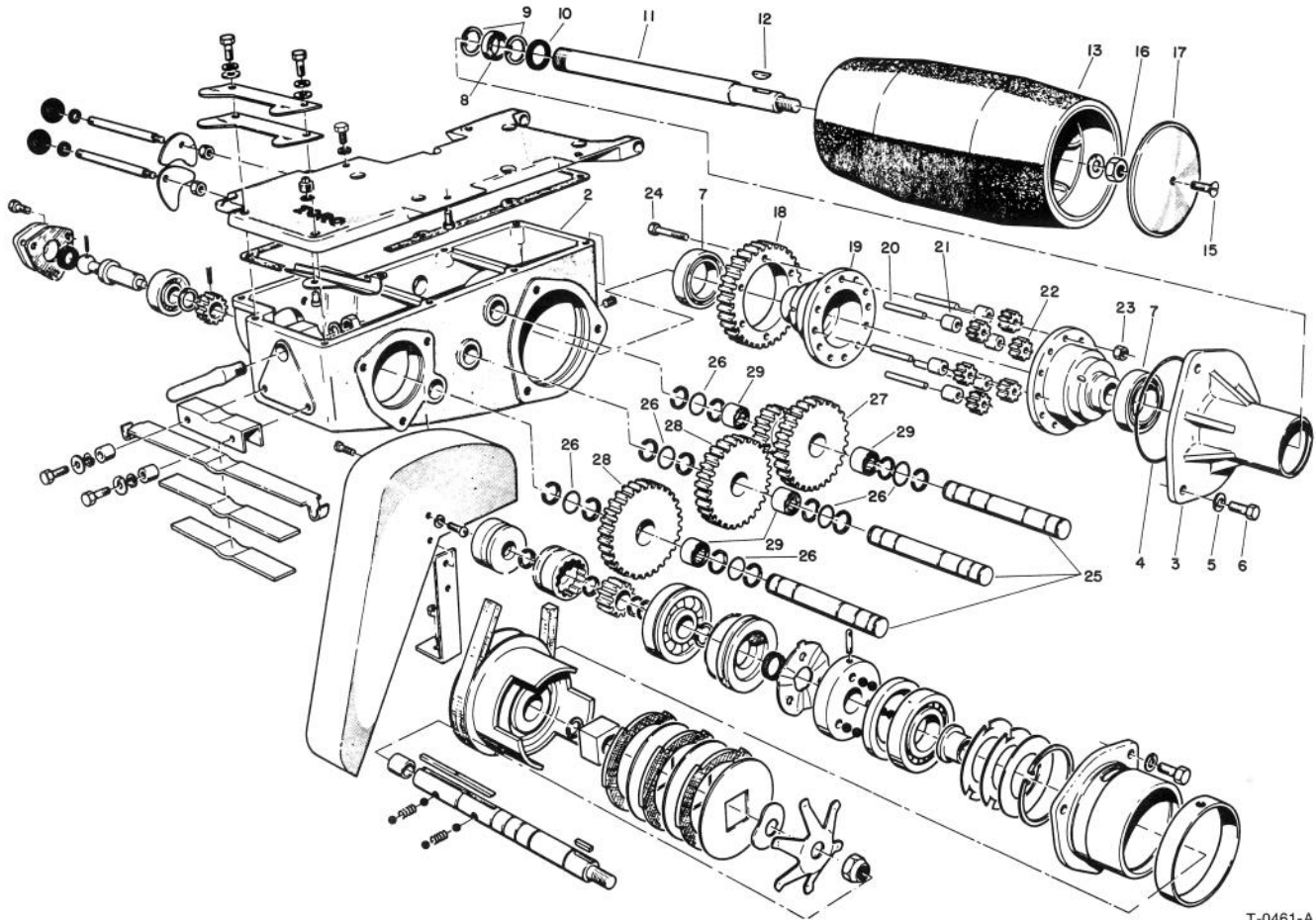
**TORO®**

MODEL NO. 04128 — 90001  
THRU 20001 & UP

MODEL NO. 04215 — 90001  
THRU 20001 & UP

**PARTS  
CATALOG**

**GREENSMASTER® 105**

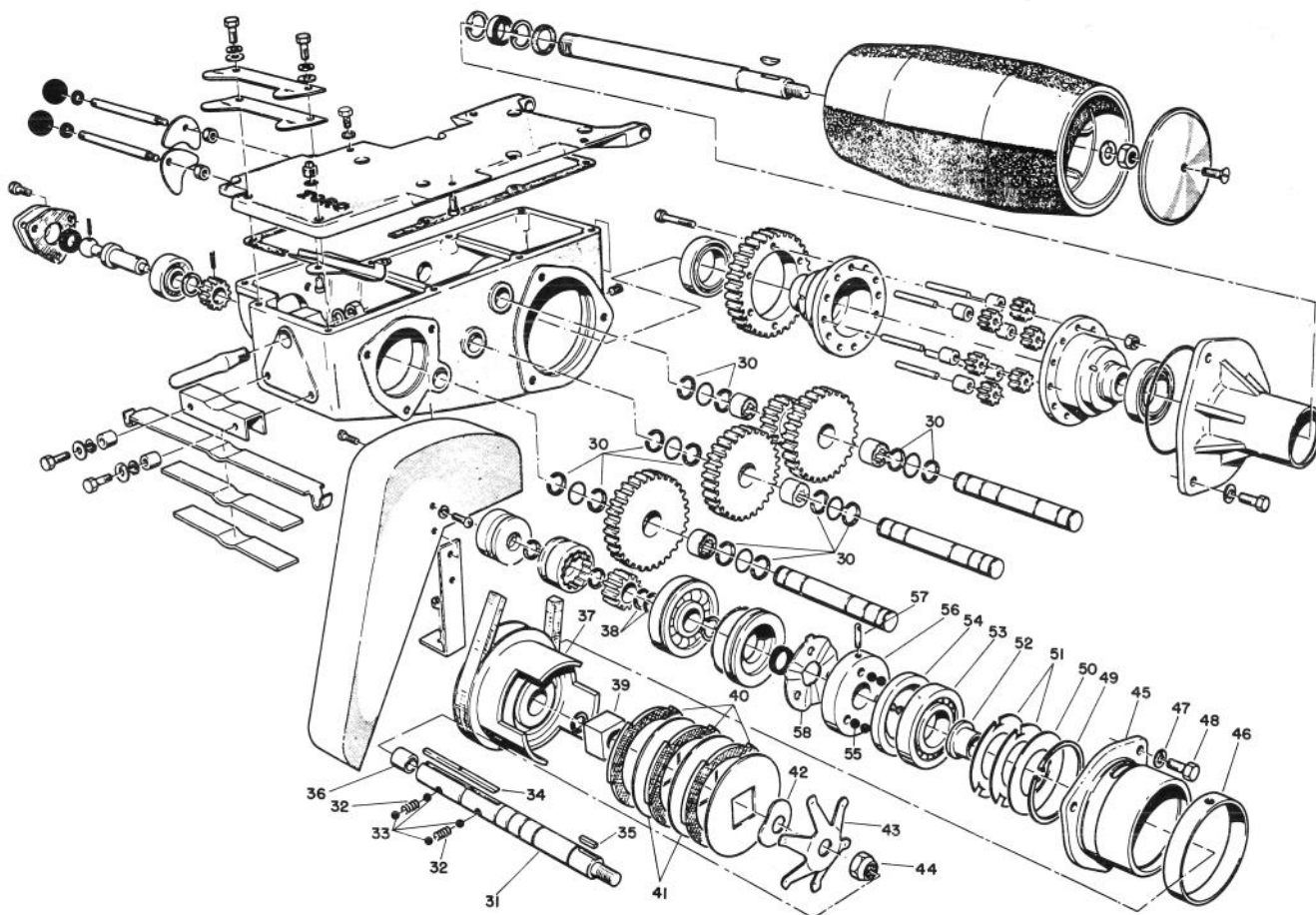


T-0461-A

**TRANSMISSION CASE ASSEMBLY**

| Ref. No. | Part No. | Description       | No. Used |
|----------|----------|-------------------|----------|
| 2        | 3-4371   | Transmission Case | 1        |
| 3        | 3-0596   | Axle Housing      | 2        |
| 4        | 237-33   | "O" Ring          | 2        |
| 5        | 3253-4   | Lockwasher        | 6        |
| 6        | 322-4    | Screw             | 6        |
| 7        | 251-138  | Ball Bearing      | 2        |
| 8        | 251-137  | Ball Bearing      | 2        |
| 9        | 32120-62 | Retaining Ring    | 4        |
| 10       | 253-82   | Oil Seal          | 2        |
| 11       | 3-8392   | Axle              | 2        |
| 12       | 3257-23  | Key, Hy-Pro       | 2        |
| 13       | 3-0492   | Roller            | 2        |
| 15       | 32108-91 | Screw             | 2        |
| 16       | 3296-19  | Locknut           | 2        |

| Ref. No. | Part No. | Description          | No. Used |
|----------|----------|----------------------|----------|
| 17       | 3-8347   | Hub Cap              | 2        |
| 18       | 3-0454   | Ring Gear            | 1        |
| 19       | 3-0450   | Differential Carrier | 2        |
| 20       | 3-0452   | Shaft                | 6        |
| 21       | 3-0453   | Spacer               | 6        |
| 22       | 3-3858   | Differential Gear    | 6        |
| 23       | 3296-27  | Locknut              | 6        |
| 24       | 3273-23  | Screw, Socket Head   | 6        |
| 25       | 3-0455   | Idler Shaft          | 3        |
| 26       | 237-22   | "O" Ring             | 6        |
| 27       | 3-0457   | Intermediate Gear    | 1        |
| 28       | 3-0456   | Idler Gear           | 2        |
| 29       | 252-49   | Bearing              | 4        |

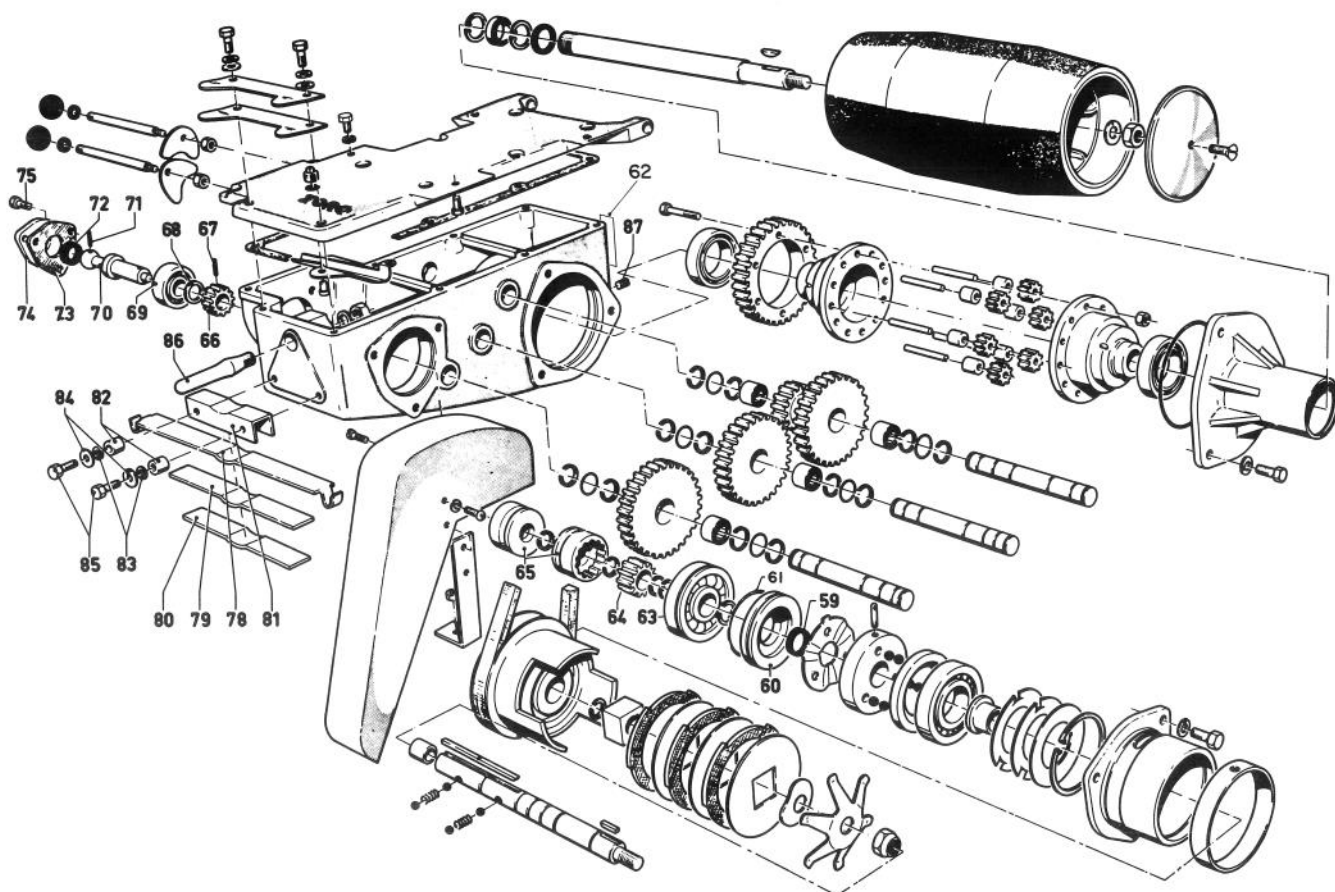


T-0462-A

## TRANSMISSION CASE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                   | No. Used |
|----------|----------|-------------------------------|----------|
| 30       | 32120-63 | Retaining Ring                | 12       |
| 31       | 1-9119   | Clutch Shaft (Incl. Ref. #36) | 1        |
| 32       | 3-0460   | Detent Spring                 | 2        |
| 33       | 255-5    | Ball                          | 4        |
| 34       | 3-0591   | Key                           | 1        |
| 35       | 3-6801   | Key                           | 1        |
| 36       | 256-112  | Bushing                       | 1        |
| 37       | 3-0480   | Clutch Pulley                 | 1        |
| 38       | 32120-64 | Retaining Ring                | 6        |
| 39       | 3-0472   | Clutch Driver                 | 1        |
| 40       | 3-0514   | Friction Disc                 | 3        |
| 41       | 3-0477   | Clutch Plate                  | 3        |
| 42       | 3290-211 | Spring Washer                 | 1        |
| 43       | 3-0478   | Clutch Spring                 | 1        |
| 44       | 3296-6   | Locknut                       | 1        |

| Ref. No. | Part No. | Description     | No. Used |
|----------|----------|-----------------|----------|
| 45       | 5-1423   | Clutch Housing  | 1        |
| 46       | 5-1388   | Clutch Cover    | 1        |
| 47       | 3253-3   | Lockwasher      | 3        |
| 48       | 321-3    | Screw           | 3        |
| 49       | 32120-65 | Retaining Ring  | 1        |
| 50       | 3-0481   | Clutch Washer   | 1        |
| 51       | 3290-264 | Wave Washer     | 2        |
| 52       | 3-4066   | Bushing         | 1        |
| 53       | 251-140  | Ball Bearing    | 1        |
| 54       | 3-0471   | Backing Plate   | 1        |
| 55       | 255-8    | Ball            | 6        |
| 56       | 3-0470   | Clutch Actuator | 1        |
| 57       | 3-0475   | Clutch Pin      | 1        |
| 58       | 3-0467   | Clutch Cam      | 1        |

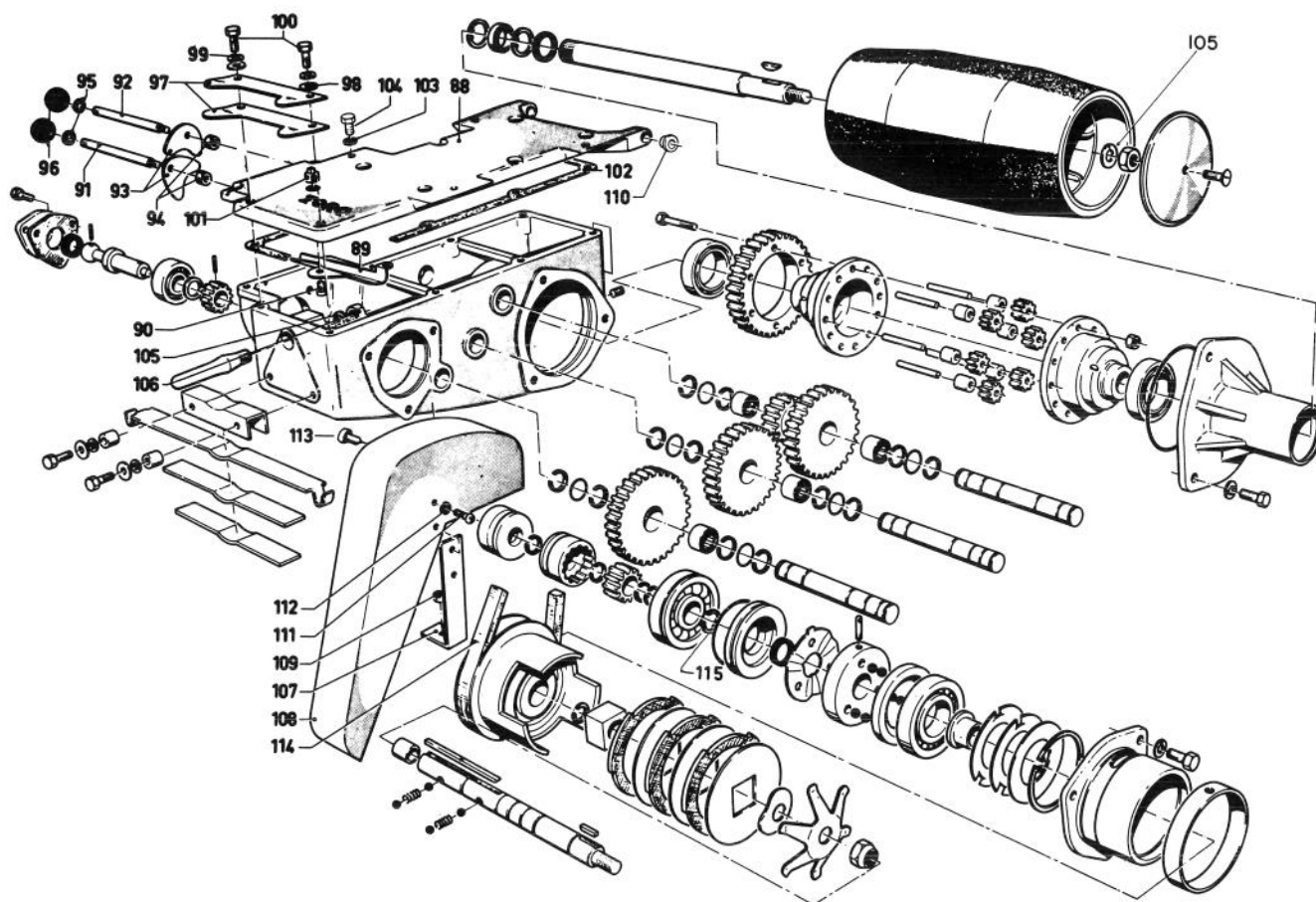


T-0463-A

## TRANSMISSION CASE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                       | No. Used |
|----------|----------|-----------------------------------|----------|
| 59       | 253-83   | Oil Seal                          | 1        |
| 60       | 3-1545   | Clutch Spacer                     | 1        |
| 61       | 237-38   | "O" Ring                          | 1        |
| 62       | 3-1553   | Decal — Oil Level                 | 1        |
| 63       | 251-139  | Ball Bearing (Incl. Ref. #115)    | 1        |
| 64       | 3-0461   | Drive Pinion                      | 1        |
| 65       | 3-0465   | Clutch Female                     | 2        |
| 66       | 3-0592   | Reel Clutch Male                  | 1        |
| 67       | 32121-4  | Roll Pin                          | 1        |
| 68       | 3-4494   | Thrust Washer                     | 1        |
| 69       | 251-163  | Ball Bearing                      | 1        |
| 70       | 2-4779   | Universal Driver (Incl. Ref. #71) | 1        |
| 71       | 32121-25 | Roll Pin                          | 1        |
| 72       | 253-59   | Oil Seal                          | 1        |

| Ref. No. | Part No. | Description    | No. Used |
|----------|----------|----------------|----------|
| 73       | 3-2072   | Gasket         | 1        |
| 74       | 3-2068   | Bearing Cover  | 1        |
| 75       | 32140-40 | Screw          | 3        |
| 78       | 3-2552   | Main Leaf      | 1        |
| 79       | 3-2078   | Center Leaf    | 1        |
| 80       | 3-2075   | Lower Leaf     | 1        |
| 81       | 3-2077   | Spring Bracket | 1        |
| 82       | 3-2074   | Spacer         | 2        |
| 83       | 3254-2   | Washer         | 2        |
| 84       | 3256-23  | Washer         | 2        |
| 85       | 322-8    | Screw          | 2        |
| 86       | 3-2154   | Yoke Pivot     | 1        |
| 87       | 281-1    | Pipe Plug      | 1        |

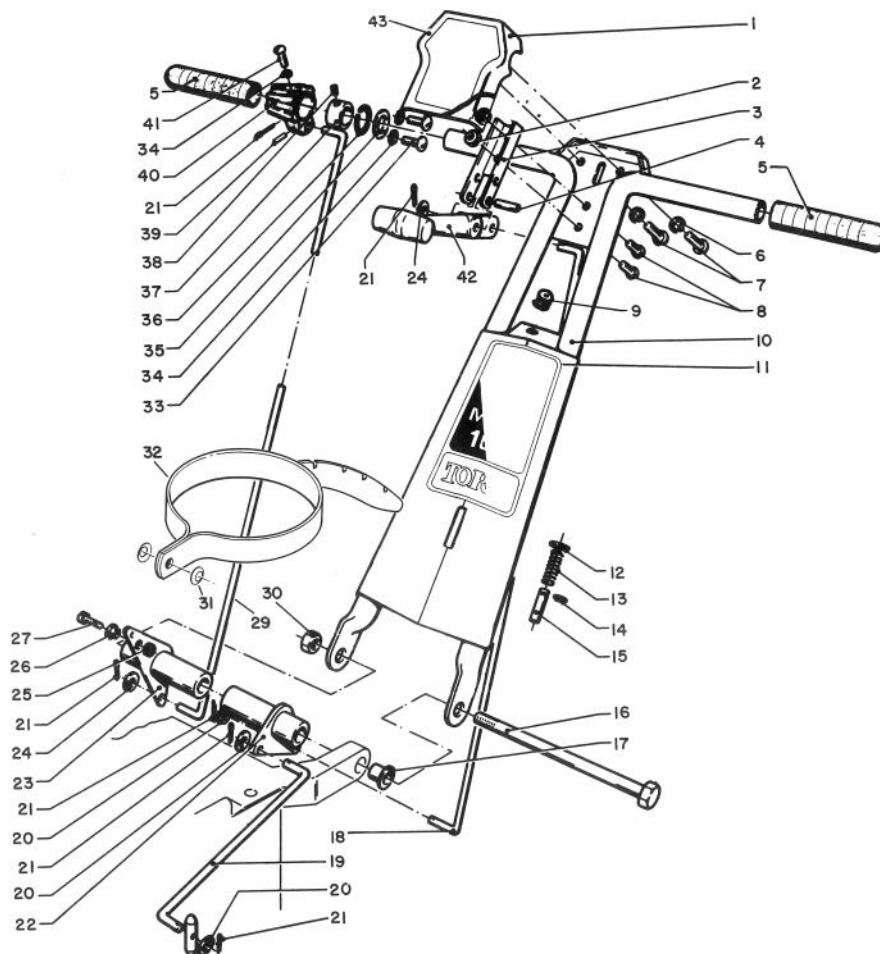


T-0464-A

## TRANSMISSION CASE ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                                          | No. Used |
|----------|----------|------------------------------------------------------|----------|
| 88       | 3-1775   | Transmission Cover<br>(Incl. Ref. #89, 90, 95 & 110) | 1        |
| 89       | 3-1716   | Oil Trough                                           | 1        |
| 90       | 3295-2   | Rivet                                                | 2        |
| 91       | 3-0486   | Reel Clutch Rod                                      | 1        |
| 92       | 3-0487   | Traction Clutch Rod                                  | 1        |
| 93       | 3-0488   | Shift Fork                                           | 2        |
| 94       | 32152-5  | Locknut                                              | 2        |
| 95       | 253-88   | Oil Seal                                             | 2        |
| 96       | 3-0631   | Ball Grip                                            | 2        |
| 97       | 3-1830   | Stabilizer Spring                                    | 2        |
| 98       | 3256-2   | Cut Washer                                           | 2        |
| 99       | 3253-3   | Lockwasher                                           | 2        |
| 100      | 321-11   | Capscrew                                             | 2        |
| 101      | 281-3    | Pipe Plug, Square Head                               | 1        |

| Ref. No. | Part No. | Description    | No. Used |
|----------|----------|----------------|----------|
| 102      | 3-0485   | Gasket         | 1        |
| 103      | 3253-3   | Lockwasher     | 8        |
| 104      | 321-8    | Screw          | 8        |
| 105      | 3256-26  | Washer         | 3        |
| 106      | 3296-28  | Locknut        | 1        |
| 107      | 3-0995   | Bracket, Guard | 1        |
| 108      | 3-0997   | Belt Guard     | 1        |
| 109      | 32153-3  | Locknut        | 1        |
| 110      | 3-1776   | Grommet        | 2        |
| 111      | 32122-26 | Screw          | 2        |
| 112      | 3253-17  | Lockwasher     | 2        |
| 113      | 237-37   | Grommet        | 1        |
| 114      | 3-2251   | Belt           | 1        |
| 115      | 251-149  | Snap Ring      | 1        |



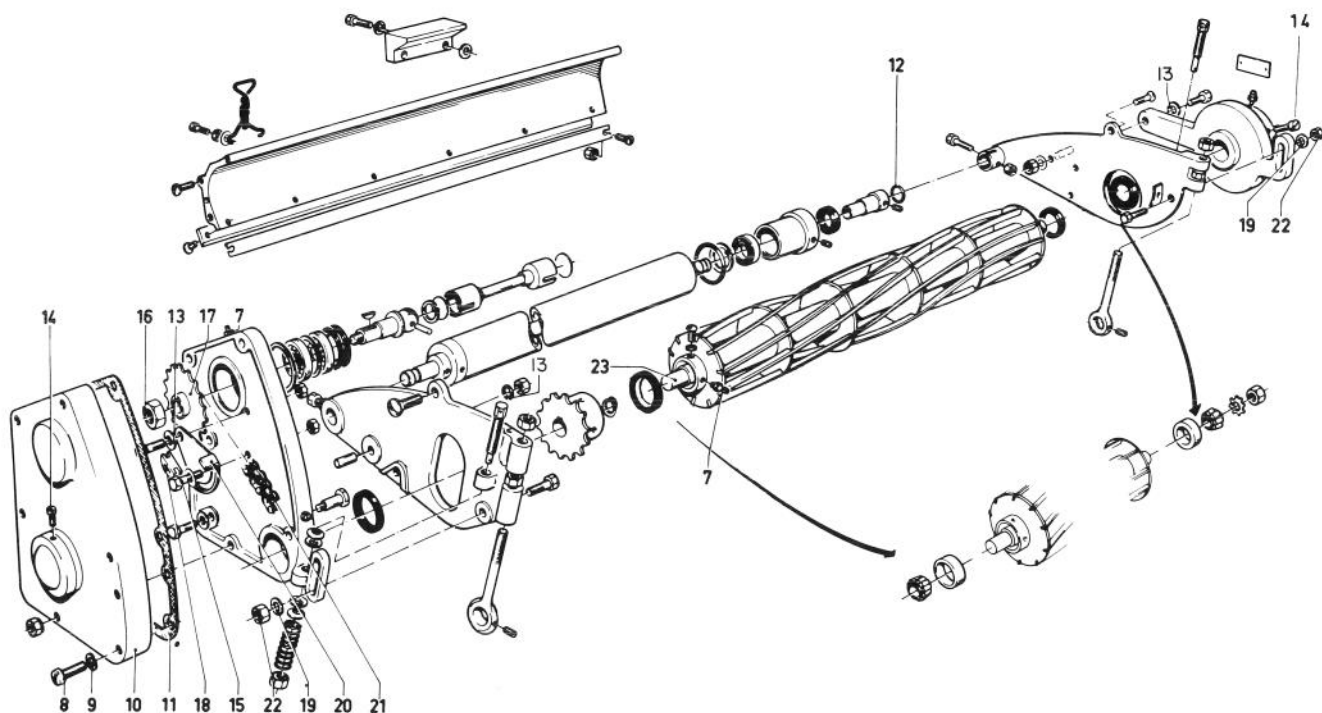
T-0465-A

## CONTROLS

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 1        | 3-0508   | Cover Plate               | 1        |
| 2        | 3296-27  | Locknut                   | 2        |
| 3        | 3-0517   | Bracket                   | 1        |
| 4        | 32121-4  | Roll Pin                  | 1        |
| 5        | 49-8110  | Handle Grip               | 2        |
| 6        | 3253-17  | Lockwasher                | 2        |
| 7        | 3251-4   | Screw                     | 2        |
| 8        | 3291-5   | Screw                     | 2        |
| 9        | 237-73   | Grommet                   | 2        |
| 10       | 5-9700   | Handle                    | 1        |
| 11       | 56-9810  | Decal — Greensmaster 105  | 1        |
| 12       | 3256-23  | Washer                    | 1        |
| 13       | 5-0776   | Spring, Handle Adjustment | 1        |
| 14       | 32120-35 | Snap Ring                 | 1        |
| 15       | 5-0765   | Pin, Handle Adjustment    | 1        |
| 16       | 323-30   | Screw                     | 1        |
| 17       | 3-1776   | Grommet                   | 2        |
| 18       | 3-3422   | Rod, Clutch Control       | 1        |
| 19       | 3-0520   | Clutch Rod                | 1        |
| 20       | 3256-14  | Washer                    | 4        |
| 21       | 3272-1   | Cotter Pin                | 6        |

| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 22       | 3-0525   | Bell Crank Assy. Clutch | 1        |
| 23       | 3-0530   | Bell Crank              | 1        |
| 24       | 3256-22  | Washer                  | 2        |
| 25       | 3296-1   | Locknut                 | 1        |
| 26       | 3-0526   | Retainer, Throttle Wire | 1        |
| 27       | 3250-4   | Screw                   | 1        |
| 29       | 3-3418   | Rod, Throttle Control   | 1        |
| 30       | 32153-2  | Nut, Lock               | 1        |
| 31       | 3290-212 | Wave Washer             | 2        |
| 32       | 68-9810  | Adjustment Bar, Handle  | 1        |
| 33       | 3249-3   | Screw                   | 2        |
| 34       | 3254-9   | Lockwasher              | 3        |
| 35       | 3-3423   | Washer                  | 1        |
| 36       | 32120-74 | Snap Ring               | 1        |
| 37       | 3-3421   | Collar                  | 1        |
| 38       | 3245-2   | Set Screw               | 1        |
| 39       | 32121-7  | Roll Pin                | 1        |
| 40       | 3-3417   | Throttle Control        | 1        |
| 41       | 3290-130 | Screw                   | 1        |
| 42       | 3-0516   | Clutch Control Lever    | 1        |
| 43       | 82-6310  | Decal — Clutch Lever    | 1        |
| *        | 11-1069  | Loose Parts             | 1        |

\*Not Illustrated

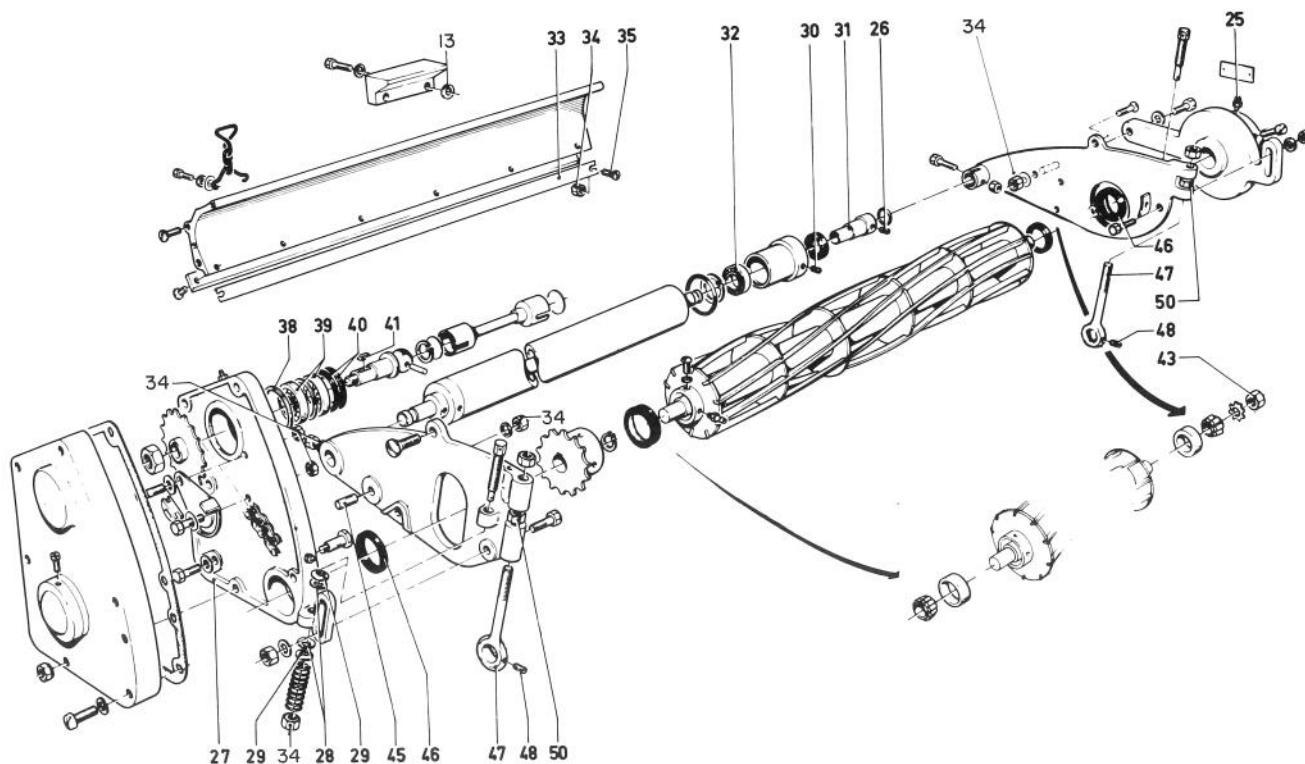


T-0466

## CUTTING UNIT ASSEMBLY

| Ref. No. | Part No. | Description                     | No. Used |
|----------|----------|---------------------------------|----------|
| 7        | 302-5    | Grease Fitting                  | 5        |
| 8        | 32105-5  | Screw — Machine Hex Hd. Slotted | 5        |
| 9        | 3253-17  | Lockwasher                      | 5        |
| 10       | 3-2964   | Cover                           | 1        |
| 11       | 3-2052   | Gasket                          | 1        |
| 12       | 237-69   | “O” Ring                        | 2        |
| 13       | 3256-22  | Washer                          | 4        |
| 14       | 3274-26  | Setscrew                        | 2        |

| Ref. No. | Part No. | Description      | No. Used |
|----------|----------|------------------|----------|
| 15       | 329-3    | Screw            | 2        |
| 16       | 3296-33  | Locknut          | 1        |
| 17       | 3-3433   | Sprocket         | 1        |
| 18       | 3-0554   | Shoe-Chain Idler | 1        |
| 19       | 3-5792   | Washer           | 2        |
| 20       | 3-0463   | Idler Arm        | 1        |
| 21       | 3-3434   | Chain            | 1        |
| 22       | 3296-3   | Nut              | 2        |
| 23       | 5-1393   | Reel Shaft       | 1        |

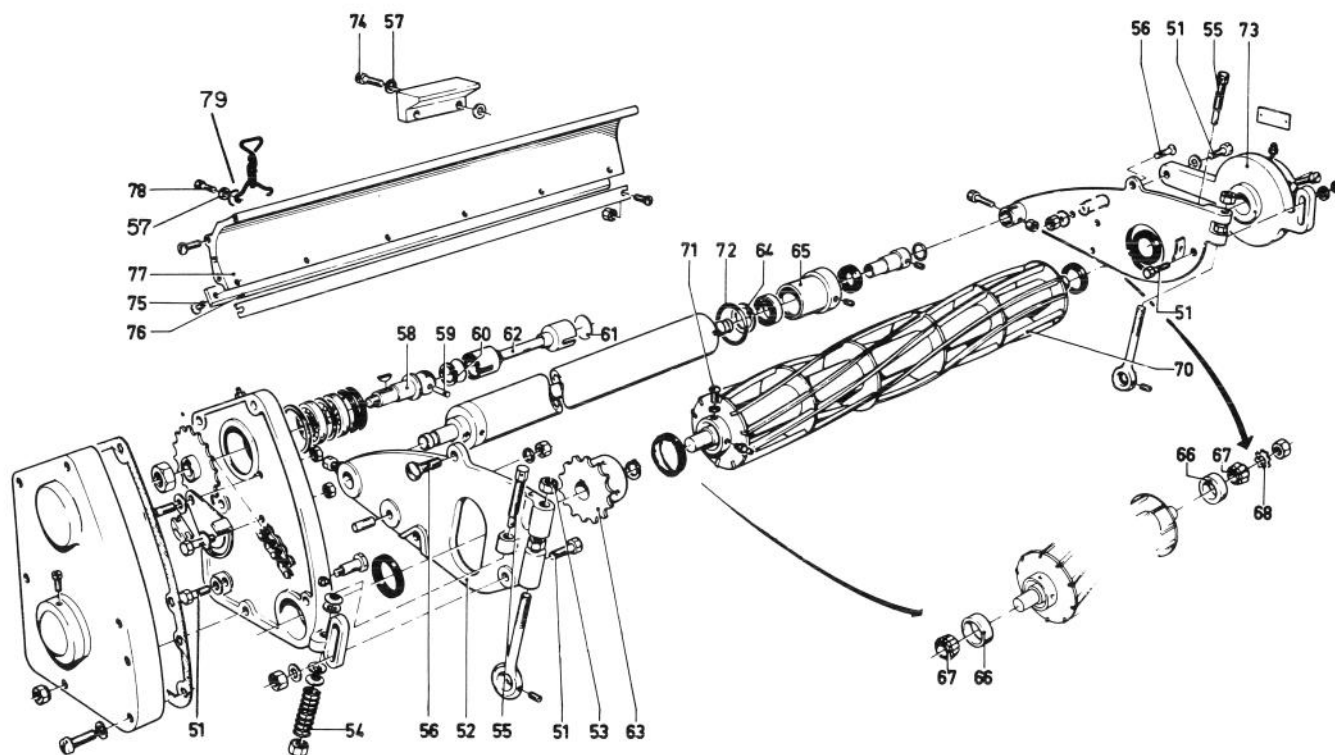


T-0467

## CUTTING UNIT ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                | No. Used |
|----------|----------|----------------------------|----------|
| 25       | 302-14   | Pressure Relief            | 2        |
| 26       | 3245-35  | Setscrew                   | 2        |
| 27       | 3-5786   | Reel Bracket - Right       | 1        |
| 28       | 3-0566   | Spherical Washer - Concave | 4        |
| 29       | 3-0565   | Spherical Washer - Convex  | 4        |
| 30       | 285-10   | Pipe Plug                  | 2        |
| 31       | 11-3050  | Sleeve                     | 2        |
| 32       | 251-205  | Bearing                    | 2        |
| 33       | 3-2057   | Grass Shield               | 1        |
| 34       | 3296-13  | Locknut                    | 8        |
| 35       | 3258-61  | Rd. Hd. Machine Screw      | 2        |

| Ref. No. | Part No. | Description     | No. Used |
|----------|----------|-----------------|----------|
| 38       | 32120-42 | Retaining Ring  | 1        |
| 39       | 251-6    | Ball Bearing    | 2        |
| 40       | 253-59   | Oil Seal        | 2        |
| 41       | 3-2804   | Key             | 1        |
| 43       | 254-86   | Locknut         | 1        |
| 45       | 3-5797   | Spacer          | 2        |
| 46       | 253-92   | Oil Seal        | 2        |
| 47       | 3-5785   | Adjusting Screw | 2        |
| 48       | 3245-7   | Setscrew        | 4        |
| 50       | 3217-9   | Nut             | 2        |



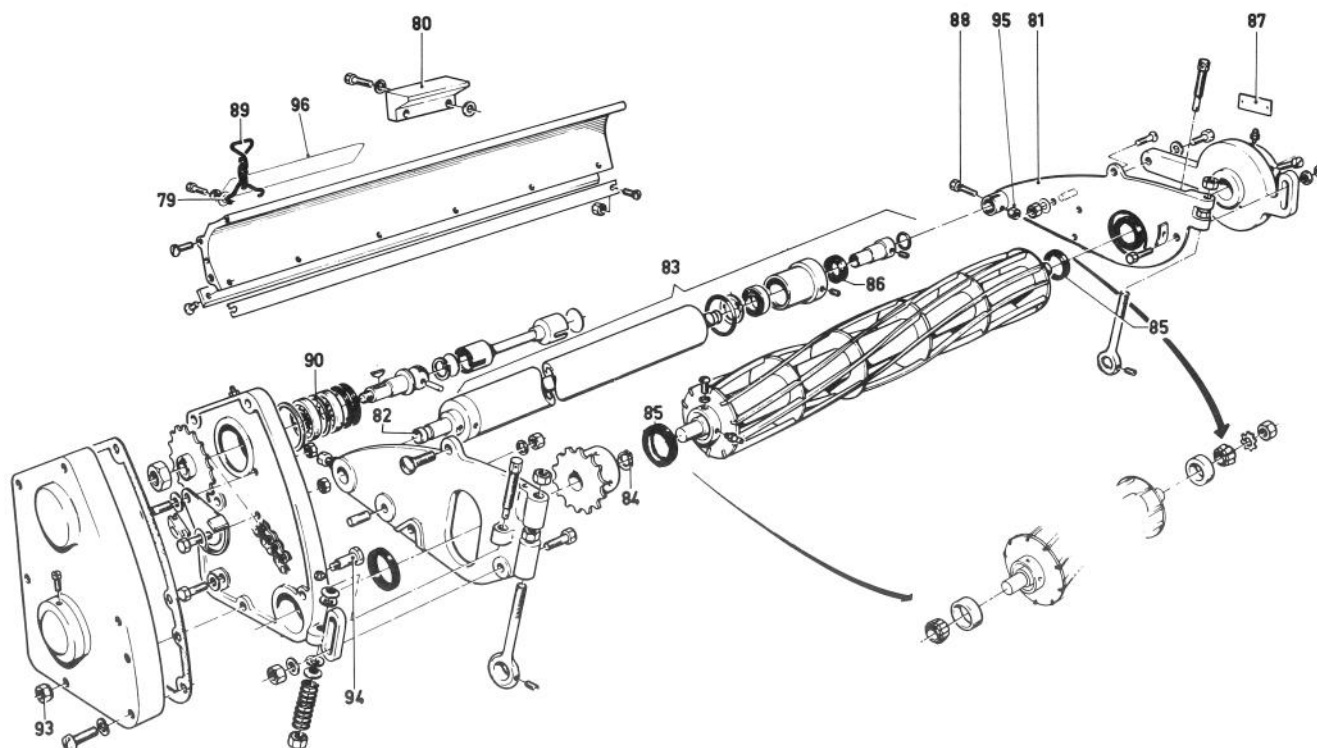
T-0468

## CUTTING UNIT ASSEMBLY (Continued)

| Ref. No. | Part No. | Description                       | No. Used |
|----------|----------|-----------------------------------|----------|
| 51       | 329-13   | Screw                             | 4        |
| 52       | 3-5784   | Side Plate — Right                | 1        |
| 53       | 3296-45  | Nut                               | 2        |
| 54       | 3-5787   | Spring                            | 2        |
| 55       | 3-5793   | Screw                             | 2        |
| 56       | 3290-141 | Screw                             | 6        |
| 57       | 3253-3   | Lockwasher                        | 6        |
| 58       | 2-0039   | Universal Driver (Incl. Ref. #59) | 1        |
| 59       | 32121-25 | Roll Pin                          | 1        |
| 60       | 32120-69 | Snap Ring                         | 1        |
| 61       | 3-1852   | Pad                               | 2        |
| 62       | 3-0584   | Universal Shaft                   | 1        |
| 63       | 3-5802   | Sprocket                          | 1        |
| 64       | 32151-13 | Snap Ring                         | 2        |
| 65       | 5-1384   | Bearing Housing                   | 2        |

| Ref. No. | Part No. | Description                 | No. Used |
|----------|----------|-----------------------------|----------|
| 66       | 254-67   | Bearing Cup                 | 2        |
| 67       | 254-68   | Bearing Cone                | 2        |
| 68       | 254-87   | Lockwasher                  | 1        |
| 70       | 4-2219   | Reel Assembly               | 1        |
| 71       | 3274-29  | Screw                       | 4        |
| 72       | 237-68   | "O" Ring                    | 2        |
| 73       | 3-6524   | Reel Bracket — Left         | 1        |
| 74       | 321-8    | Screw                       | 2        |
| 75       | 57-4910  | Screw — Bedknife            | 6        |
| 76       | 3-5794   | Bedknife                    | 1        |
| *        | 3-4054   | Bedknife (Low Cut Optional) | 1        |
| 77       | 3-0601   | Guard                       | 1        |
| 78       | 321-2    | Screw, Hex. Hd.             | 4        |
| 79       | 3256-22  | Washer                      | 4        |

\*Not Illustrated



T-0469

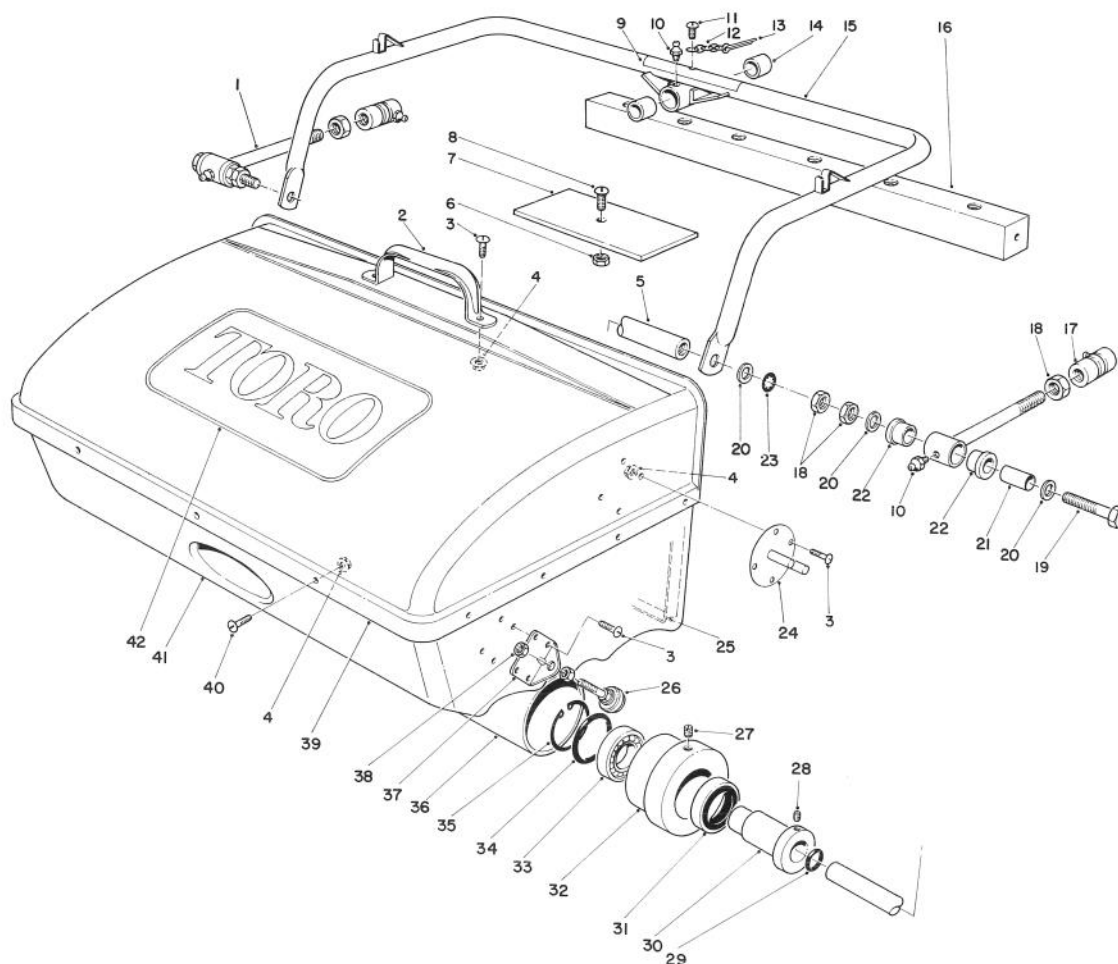
## CUTTING UNIT ASSEMBLY (Continued)

| Ref. No. | Part No. | Description       | No. Used |
|----------|----------|-------------------|----------|
| 79       | 3-0988   | Lift Bail         | 2        |
| 80       | 3-4981   | Weight            | 1        |
| 81       | 3-5783   | Side Plate — Left | 1        |
| 82       | 5-0536   | Roller Shaft      | 1        |
| 83       | 4-1539   | Roller Assy.      | 1        |
| 84       | 32151-12 | Snap Ring         | 1        |
| 85       | 253-120  | Oil Seal          | 2        |
| 86       | 253-118  | Oil Seal          | 2        |
| 87       | 3-3964   | Decal             | 1        |
| 88       | 321-9    | Screw             | 2        |
| 89       | 3-2551   | Chain — Reel Lift | 2        |

| Ref. No. | Part No. | Description                    | No. Used |
|----------|----------|--------------------------------|----------|
| 90       | 3-3428   | Washer                         | 1        |
| 93       | 3-3554   | Special Nut                    | 2        |
| 94       | 3-3553   | Special Bolt                   | 2        |
| 95       | 32153-4  | Locknut                        | 2        |
| 96       | 67-7960  | Decal Warning                  | 1        |
| *        | 2710-31  | Connecting Link, Chain         | 1        |
| *†       | 51-0880  | Bedknife Screw Tool            | 1        |
| *†       | 3-1826   | Reel Bearing Adjustment Socket | 1        |
| *†       | 20-0120  | Alignment Tool Assembly        | 1        |

\*Not Illustrated

†Special Tool (Ref. Page #19)



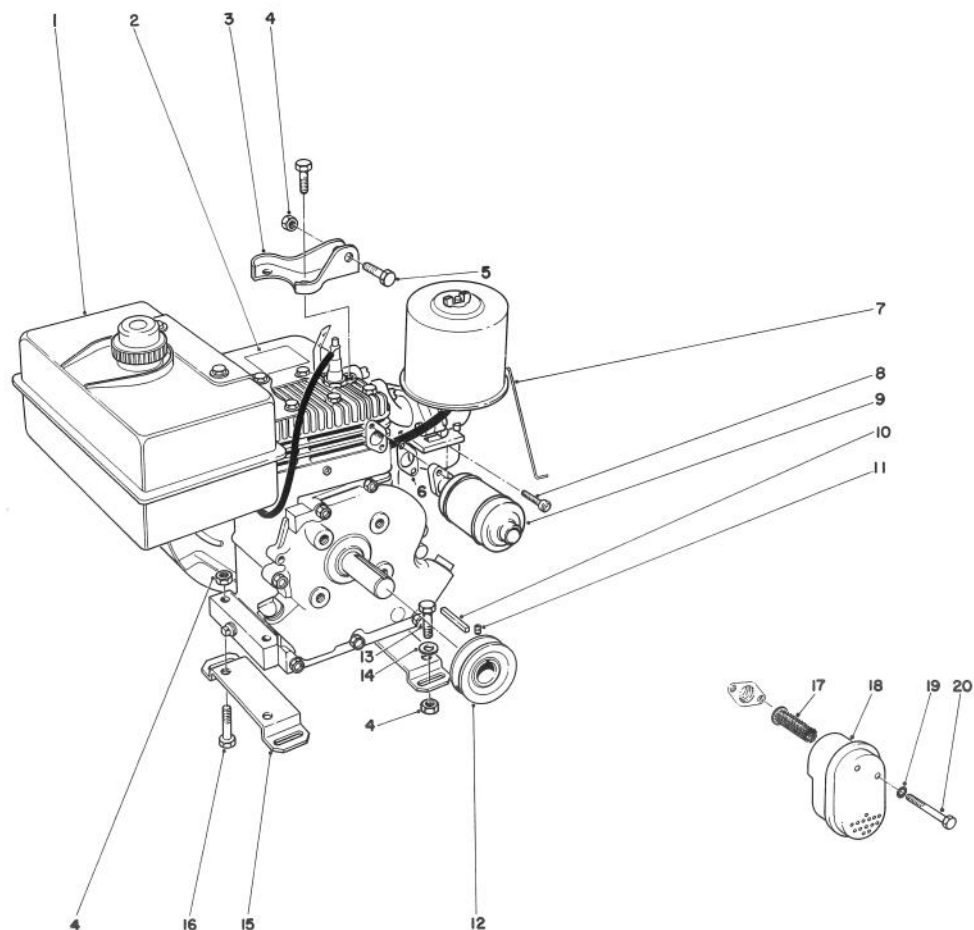
T-0470

## BASKET AND YOKE ASSEMBLY

| Ref. No. | Part No. | Description                       | No. Used |
|----------|----------|-----------------------------------|----------|
| 1        | 3-4510   | Pull Arm (Incl. Ref. #10 & 18-22) | 2        |
| 2        | 3-3468   | Handle                            | 1        |
| 3        | 32122-30 | Screw — Machine Truss Hd.         | 22       |
| 4        | 3290-148 | Nut — Lock, Serrated Flange       | 33       |
| 5        | 5-1390   | Roller Shaft Front                | 1        |
| 6        | 3219-14  | Nut — Jam                         | 1        |
| 7†       | 1-8789   | Gauge Bar (Incl. Ref. #6 & 8)     | 1        |
| 8        | 32122-22 | Screw — Machine                   | 1        |
| 9        | 3-1828   | Wear Plate                        | 1        |
| 10       | 302-5    | Grease Fitting                    | 3        |
| 11       | 32104-81 | Screw — Fillister Hd. Machine     | 1        |
| 12       | 3-0696   | Chain Yoke                        | 1        |
| 13       | 3272-50  | Cotter Pin                        | 1        |
| 14       | 3-2156   | Bushing                           | 2        |
| 15       | 1-9799   | Yoke Assy. (Incl. Ref. #14)       | 1        |
| 16†      | 3-1397   | Grinding Bar                      | 1        |
| 17       | 8-7710   | Ball Joint                        | 2        |
| 18       | 3220-3   | Jam Nut                           | 6        |
| 19       | 8-5770   | Capscrew — Special                | 2        |
| 20       | 3256-24  | Washer — Plain                    | 6        |
| 21       | 3-3436   | Sleeve                            | 2        |

| Ref. No. | Part No. | Description                            | No. Used |
|----------|----------|----------------------------------------|----------|
| 22       | 3-1506   | Bushing                                | 4        |
| 23       | 3254-6   | Lockwasher                             | 2        |
| 24       | 3-4590   | Pivot                                  | 2        |
| 25       | 3-3908   | Support Bracket                        | 1        |
| 26       | 32141-36 | Adjustment Screw                       | 2        |
| 27       | 285-10   | Pipe Plug                              | 2        |
| 28       | 3245-35  | Set Screw                              | 2        |
| 29       | 237-69   | O-Ring                                 | 2        |
| 30       | 11-3050  | Sleeve                                 | 2        |
| 31       | 253-118  | Seal                                   | 2        |
| 32       | 5-1384   | Bearing Housing                        | 2        |
| 33       | 251-205  | Bearing                                | 2        |
| 34       | 237-68   | O-Ring                                 | 2        |
| 35       | 32151-13 | Snap Ring                              | 2        |
| 36       | 5-1382   | Roller Assembly<br>(Incl. Ref. #27-35) | 1        |
| 37       | 5-3464   | Adjustment Bracket                     | 2        |
| 38       | 3218-2   | Nut — Jam                              | 4        |
| 39       | 47-5260  | Grass Basket — Top                     | 1        |
| 40       | 32122-32 | Screw — Machine, Truss Hd.             | 11       |
| 41       | 47-5270  | Grass Basket — Bottom                  | 1        |
| 42       | 66-6140  | Decal — Toro                           | 1        |

†Special Tool



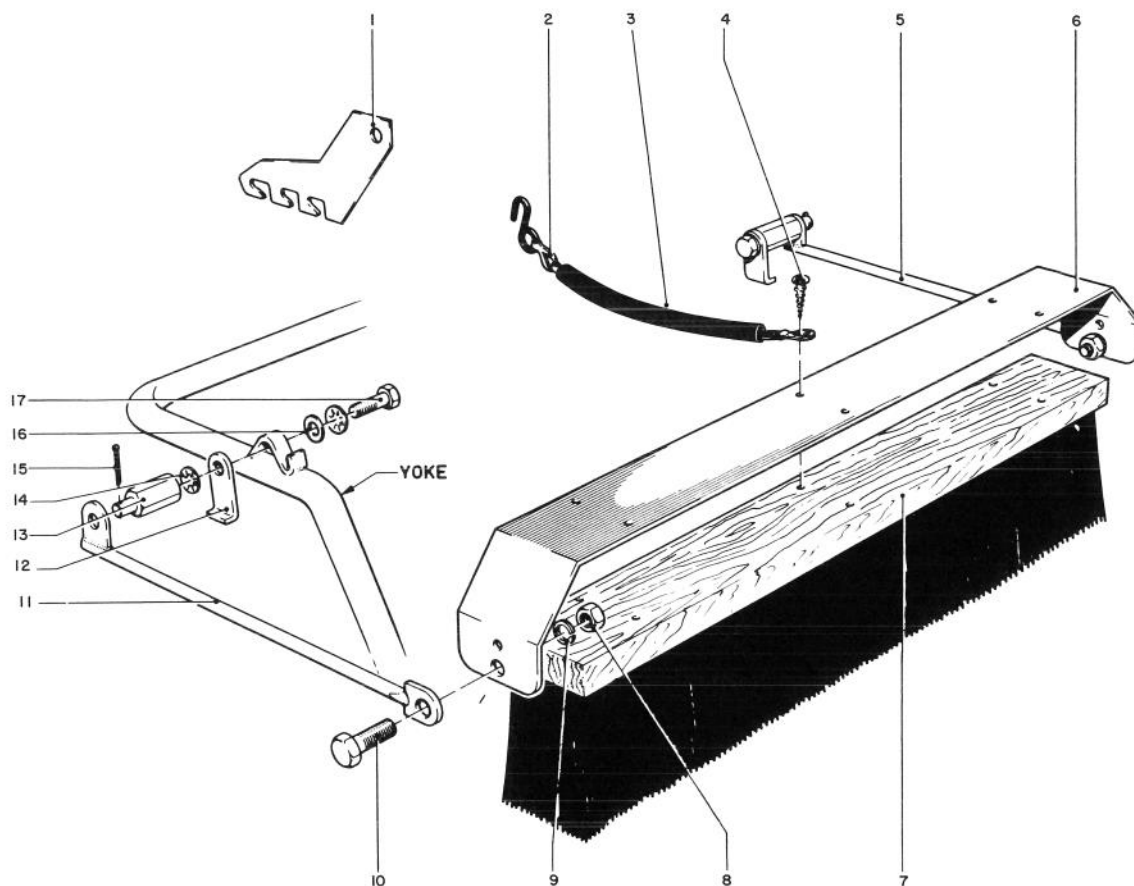
T-0471

## ENGINE ASSEMBLY

| Ref. No. | Part No. | Description                   | No. Used |
|----------|----------|-------------------------------|----------|
| 1        |          | Engine                        | 1        |
| 2        | 36-3510  | Decal — Starting Instructions | 1        |
| 3        | 3-0593   | Bracket                       | 1        |
| 4        | 32153-3  | Locknut                       | 9        |
| 5        | 322-6    | Capscrew                      | 1        |
| 6        | 11-9580  | Gasket — Exhaust              | 1        |
| 7        | 23-7410  | Throttle Wire                 | 1        |
| 8        | 3274-64  | Screw-Cap Socket Hd.          | 2        |
| 9        | 52-9060  | Muffler                       | 1        |
| 10       | 5-1077   | Square Key                    | 1        |

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 11       | 3245-32  | Set Screw                 | 1        |
| 12       | 244-58   | Pulley                    | 1        |
| 13       | 322-5    | Capscrew                  | 4        |
| 14       | 3256-23  | Washer                    | 1        |
| 15       | 3-0484   | Motor Mount               | 2        |
| 16       | 322-17   | Capscrew                  | 4        |
| 17*      | 36-2320  | Screen Assembly           | 1        |
| 18*      | 36-2330  | Muffler w/Screen Assembly | 1        |
| 19*      | 3255-7   | Lockwasher                | 2        |
| 20*      | 321-15   | Capscrew                  | 2        |

\*Optional Equipment.



T-0472

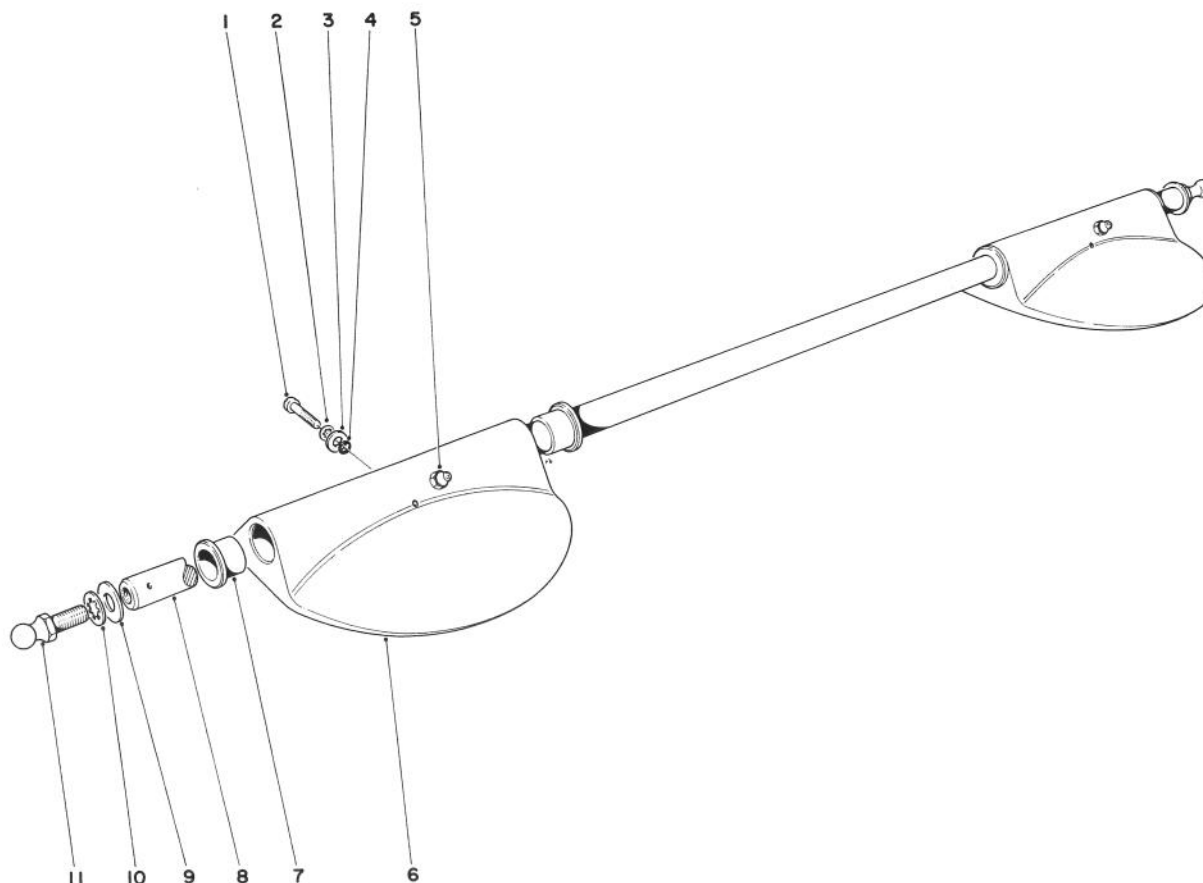
## BRUSH KIT NO. 2-2949 (Optional Equipment)

| Ref. No. | Part No. | Description           | No. Used |
|----------|----------|-----------------------|----------|
| 1        | 3-0762   | Adj. Bracket          | 1        |
| 2        | 3-5040   | Chain and Hook Assy.  | 1        |
| 3        | 43-7620  | Shield Chain Assy.    | 1        |
| 4        | 32104-88 | Screw Round Head-Wood | 6        |
| 5        | 5-1172   | Connecting Rod-L.H.   | 1        |
| 6        | 5-1168   | Strap                 | 1        |
| 7        | 5-1171   | Brush                 | 1        |
| 8        | 3219-2   | Nut                   | 2        |
| 9        | 3253-4   | Lockwasher            | 2        |

| Ref. No. | Part No. | Description         | No. Used |
|----------|----------|---------------------|----------|
| 10       | 3210-3   | Screw               | 2        |
| 11       | 5-1173   | Connecting Rod-R.H. | 1        |
| 12       | 5-1167   | Bracket             | 2        |
| 13       | 5-1170   | Stud Tie Rod        | 2        |
| 14       | 3254-6   | Lockwasher-Int.     | 4        |
| 15       | 3272-6   | Cotter Key          | 2        |
| 16       | 3256-4   | Washer              | 2        |
| 17       | 323-8    | Capscrew            | 2        |

## INSTALLATION INSTRUCTIONS

1. Bolt the stud tie rod (Ref. No. 13) to yoke assembly by placing capscrew (Ref. No. 17) through the rear loop of grass basket holder.
2. Attach connecting rods (Ref. Nos. 11 & 5) to stud tie rod and to strap (Ref. No. 6).
3. Remove the capscrew from the engine handle bracket. Insert the adjustment bracket (Ref. No. 1) and secure with nut used to hold capscrew (on engine handle bracket).
4. Attach the chain and hook assembly (Ref. No. 2) to the adjustment bracket.



T-0473

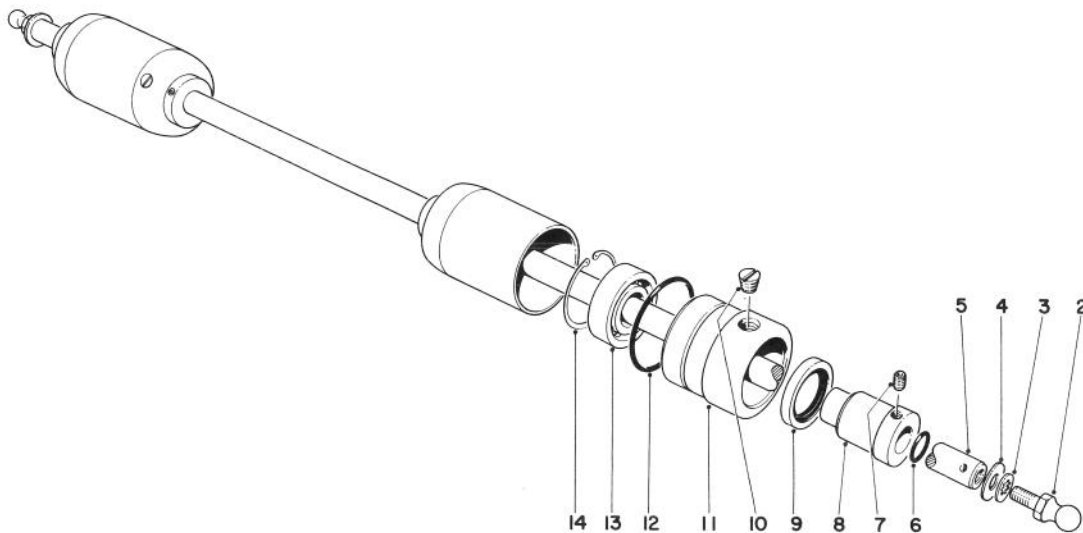
## SKID KIT NO. 4-7299 (Optional Equipment)

| Ref. No. | Part No. | Description                    | No. Used |
|----------|----------|--------------------------------|----------|
| 1        | 32100-12 | Screw                          | 2        |
| 2        | 3254-1   | S. P. Washer                   | 2        |
| 3        | 3256-14  | Washer                         | 2        |
| 4        | 237-47   | "O" Ring                       | 2        |
| 5        | 302-5    | Grease Fitting                 | 2        |
| 6        | 2-2729   | Front Runner Incl. Ref. #5 & 7 | 2        |

| Ref. No. | Part No. | Description  | No. Used |
|----------|----------|--------------|----------|
| 7        | 3-1506   | Bushing      | 4        |
| 8        | 3-8455   | Shaft        | 1        |
| 9        | 3256-24  | Washer       | 2        |
| 10       | 3254-6   | S. P. Washer | 2        |
| 11       | 2411-7   | Ball Stud    | 2        |

## INSTALLATION INSTRUCTIONS

1. Remove ball studs (Ref. No. 11), s.p. washers (Ref. No. 10), and washers (Ref. No. 9) from both ends of shaft.
2. Assemble one end of skid shaft to cutting unit adjusting screw. Line up holes in shaft and adjusting screw. Insert setscrew and tighten. **IMPORTANT:** Be sure setscrew is positioned towards the front of the cutting unit.
3. Insert setscrew at other end of adjusting screw and tighten against skid shaft.
4. Assemble ball studs, s.p. washers, and washers (items removed in step #1) to both ends of skid shaft.
5. For height-of-cut adjustment, refer to your Greensmaster Owner's Manual.
6. The skid is prelubricated, but should be relubricated approximately every 40 hours.



T-0474

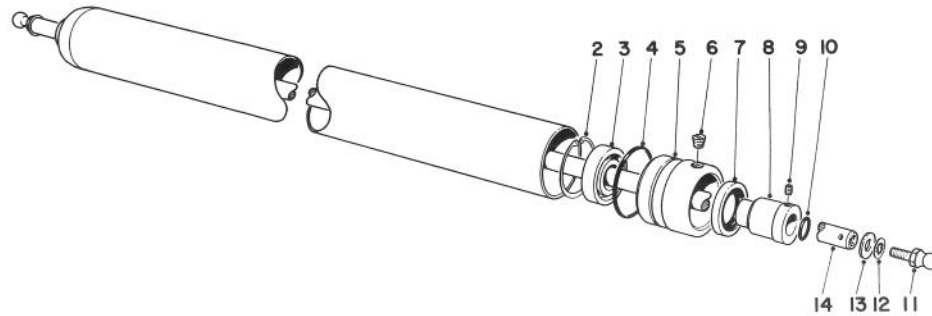
## SECTIONAL ROLLER KIT NO. 4-7319 (Optional Equipment)

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 2        | 2411-7   | Ball Stud   | 2        |
| 3        | 3254-6   | Lockwasher  | 2        |
| 4        | 3256-24  | Washer      | 2        |
| 5        | 3-8455   | Shaft       | 1        |
| 6        | 237-69   | "O" Ring    | 4        |
| 7        | 3245-35  | Set Screw   | 4        |
| 8        | 11-3050  | Sleeve      | 4        |

| Ref. No. | Part No. | Description     | No. Used |
|----------|----------|-----------------|----------|
| 9        | 253-118  | Oil Seal        | 4        |
| 10       | 285-10   | Pipe Plug       | 4        |
| 11       | 5-1384   | Bearing Housing | 4        |
| 12       | 237-68   | "O" Ring        | 4        |
| 13       | 251-205  | Bearing         | 4        |
| 14       | 32151-13 | Snap Ring       | 4        |

## INSTALLATION INSTRUCTIONS

1. Remove ball studs (Ref. No. 2), lockwashers (Ref. No. 3), and washers (Ref. No. 4) from both ends of shaft.
2. Assemble one end of roller shaft to cutting unit adjusting screw. Line up holes in shaft and adjusting screw. Insert setscrew and tighten.
3. Insert setscrew at other end of adjusting screw and tighten against roller shaft.
4. Assemble ball studs, lockwashers, and washers (items removed in step #1) to both ends of roller shaft.
5. For height-of-cut adjustment, refer to your Greensmaster Owner's Manual.
6. The roller is prelubricated, but should be relubricated approximately every 120 hours.



T-0475

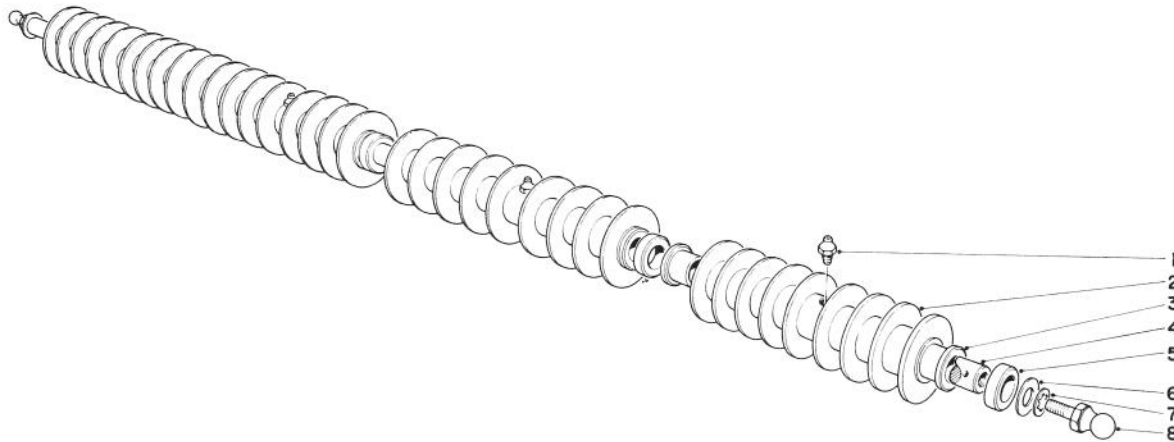
## FULL ROLLER KIT NO. 4-7309 (Optional Equipment)

| Ref. No. | Part No. | Description                              | No. Used |
|----------|----------|------------------------------------------|----------|
| 1        | 5-1382   | Roller Assy., Full<br>(Incl. Ref. #2-10) | 1        |
| 2        | 32151-13 | Snap Ring                                | 2        |
| 3        | 251-205  | Bearing                                  | 2        |
| 4        | 237-68   | "O" Ring                                 | 2        |
| 5        | 5-1384   | Bearing Housing                          | 2        |
| 6        | 285-10   | Pipe Plug                                | 2        |
| 7        | 253-118  | Oil Seal                                 | 2        |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 8        | 11-3050  | Sleeve      | 2        |
| 9        | 3245-35  | Set Screw   | 2        |
| 10       | 237-69   | "O" Ring    | 2        |
| 11       | 2411-7   | Ball Stud   | 2        |
| 12       | 3254-6   | Lockwasher  | 2        |
| 13       | 3256-24  | Washer      | 2        |
| 14       | 3-8455   | Shaft       | 1        |

## INSTALLATION INSTRUCTIONS

- Remove ball studs (Ref. No. 11), lockwashers (Ref. No. 12), and washers (Ref. No. 13) from both ends of shaft.
- Assemble one end of roller shaft to cutting unit adjusting screw. Line up holes in shaft and adjusting screw. Insert setscrew and tighten.
- Insert setscrew at other end of adjusting screw and tighten against roller shaft.
- Assemble ball studs, lockwashers, and washers (items removed in step #1) to both ends of roller shaft.
- For height-of-cut adjustment, refer to your Greensmaster Owner's Manual.
- The roller is prelubricated, but should be relubricated approximately every 120 hours.



T-0476

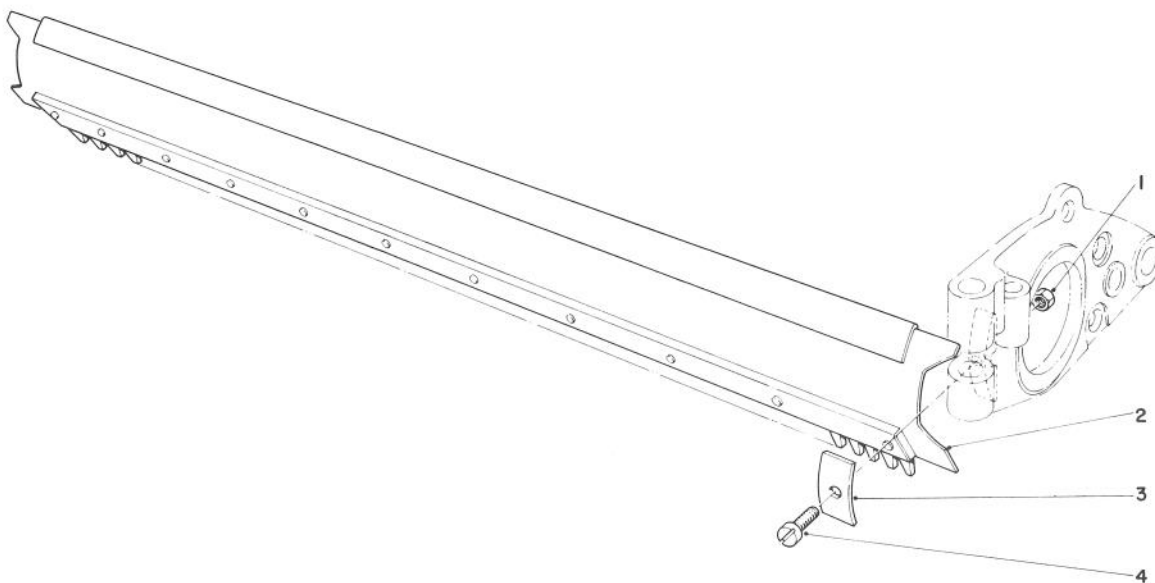
## WIEHLE ROLLER KIT NO. 4-7289 (Optional Equipment)

| Ref. No. | Part No. | Description                | No. Used |
|----------|----------|----------------------------|----------|
| 1        | 302-5    | Grease Fitting             | 4        |
| 2        | 5-4721   | Roller (Incl. Ref. #1 & 3) | 4        |
| 3        | 3-1506   | Bushing                    | 8        |
| 4        | 3-8455   | Shaft                      | 1        |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 5        | 3-9284   | Spacer      | 5        |
| 6        | 3256-24  | Washer      | 2        |
| 7        | 3254-6   | Lockwasher  | 2        |
| 8        | 2411-7   | Ball Stud   | 2        |

## INSTALLATION INSTRUCTIONS

1. Remove ball studs (Ref. No. 8), lockwashers (Ref. No. 7), and washers (Ref. No. 6) from both ends of shaft.
2. Assemble one end of roller shaft to cutting unit adjusting screw. Line up holes in shaft and adjusting screw. Insert setscrew and tighten.
3. Insert setscrew at other end of adjusting screw and tighten against roller shaft.
4. Assemble ball studs, lockwashers, and washers (items removed in step #1) to both ends of roller shaft.
5. For height-of-cut adjustment, refer to your Greens-master Owner's Manual.
6. The roller is prelubricated, but should be relubricated approximately every 8 hours.



T-0477

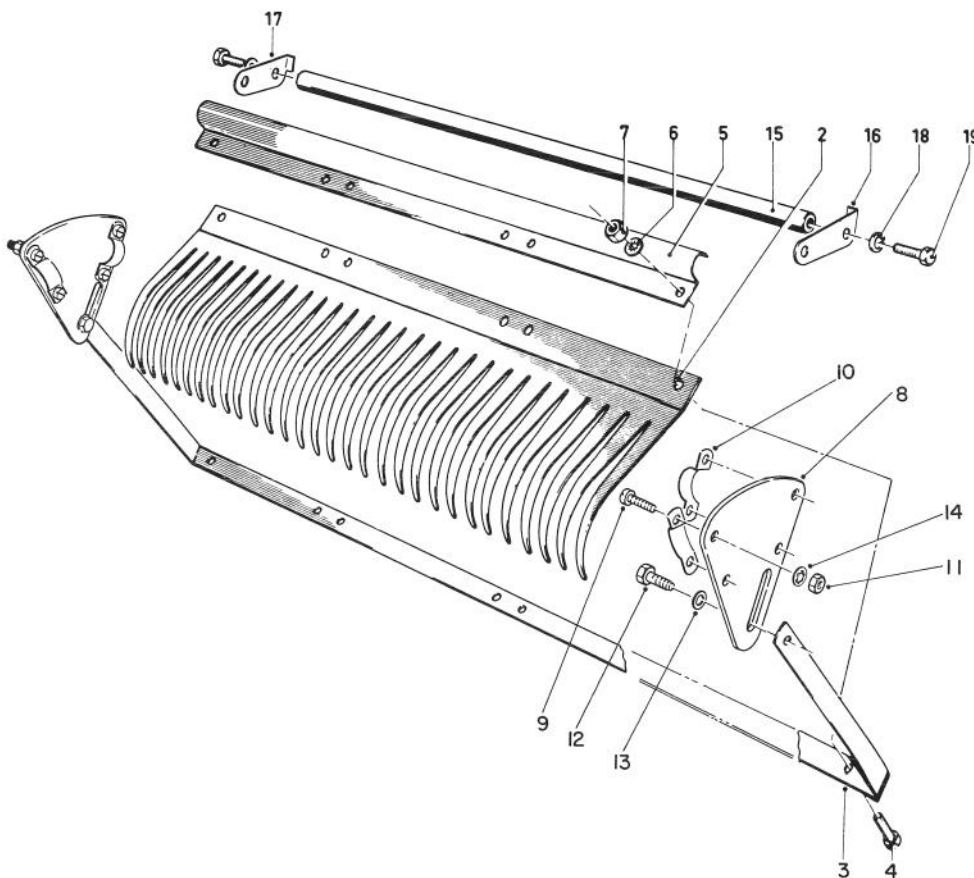
## URETHANE COMB KIT NO. 8-2560 (Optional Equipment)

| Ref. No. | Part No. | Description         | No. Used |
|----------|----------|---------------------|----------|
| 1        | 32153-4  | Locknut             | 2        |
| 2        | 8-2550   | Urethane Comb Assy. | 1        |

| Ref. No. | Part No. | Description | No. Used |
|----------|----------|-------------|----------|
| 3        | 8-2500   | Clip        | 2        |
| 4        | 32113-8  | Screw       | 2        |

## INSTALLATION INSTRUCTIONS

1. Remove grass shield from mower.
2. Put comb in place with comb teeth down toward ground.
3. Put clip over end slot in comb and secure with screw and nut. Repeat for other end of comb.
4. Adjust height of comb teeth to be 1/16" below level of bedknife. Readjust height of comb as desired for condition of grass.
5. Be sure each side of comb is adjusted to same height and then tighten both screws.



T-1457

## COMB KIT NO. 2-2939 (Optional Equipment)

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 2        | 3-3653   | Comb, Spring              | 1        |
| 3        | 3-5050   | Comb-Bracket              | 1        |
| 4        | 32134-4  | Screw                     | 6        |
| 5        | 3-3654   | Channel Attaching         | 1        |
| 6        | 3255-10  | Lockwasher-External S. P. | 6        |
| 7        | 3217-28  | Nut                       | 6        |
| 8        | 3-3655   | Quadrant                  | 2        |
| 9        | 32122-30 | Screw                     | 8        |
| 10       | 3-3656   | Clip                      | 4        |

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 11       | 3217-26  | Nut                       | 8        |
| 12       | 32140-27 | Screw                     | 2        |
| 13       | 3256-22  | Washer                    | 2        |
| 14       | 3255-17  | Lockwasher-Internal S. P. | 8        |
| 15       | 3-1616   | Shaft                     | 1        |
| 16       | 3-1618   | Support L. H.             | 1        |
| 17       | 3-1617   | Support R. H.             | 1        |
| 18       | 3253-3   | Lockwasher                | 2        |
| 19       | 329-3    | Capscrew                  | 2        |

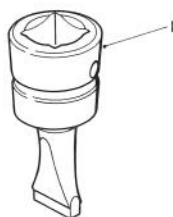
## INSTALLATION INSTRUCTIONS

1. Remove capscrews (Ref. No. 19), page 10 which hold arm assembly to yoke. Discard Item No. 20 (washer both sides). Install Item Nos. 16 and 17 on outside of yoke with tabs pointed in.
2. Install shaft (Ref. No. 15), which has supports bolted to either end, to yoke using capscrews which were removed in step #1.
3. Install attaching channel (Ref. No. 5) over shaft.
4. Install quadrants (Ref. No. 8), one on outside of yoke (Item No. 15, page 10).
5. Fasten comb bracket (Ref. No. 3) to quadrant and adjust so that tines on comb are set to "comb" with desired pressure, taking care that tines do not tear into the turf too severely.

**NOTE: Grass Shield (3-2057) must be installed before spring comb can be used.**

## SPECIAL TOOLS

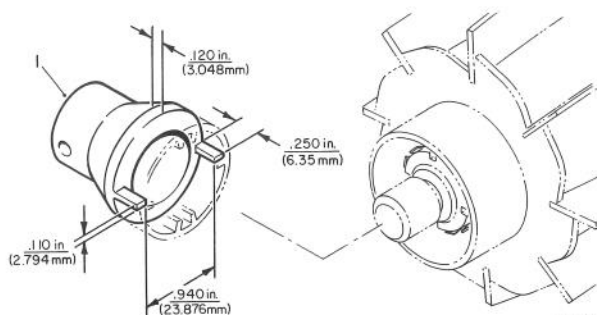
### BEDKNIFE SCREW TOOL NO. \*TOR510880



T-0479-89

| Ref. No. | Part No. | Description         | No. Used |
|----------|----------|---------------------|----------|
| 1        |          | Tool-Bedknife Screw | 1        |

### REEL BEARING ADJUSTMENT SOCKET NO. \*TOR31826

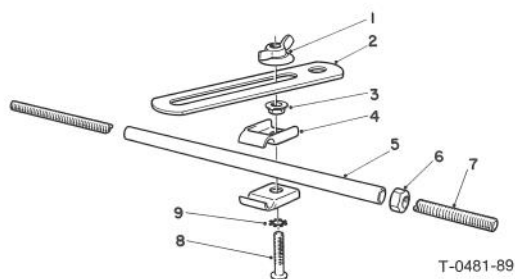


T-0480-89

NOTE: Modify #3-1826 by removing material as indicated to achieve final dimensions for reel bearing adjustment socket.

| Ref. No. | Part No. | Description                        | No. Used |
|----------|----------|------------------------------------|----------|
| 1        |          | Pinion Removal Tool<br>(See note.) | 1        |

### ALIGNMENT TOOL ASSEMBLY NO. \*TOR200120



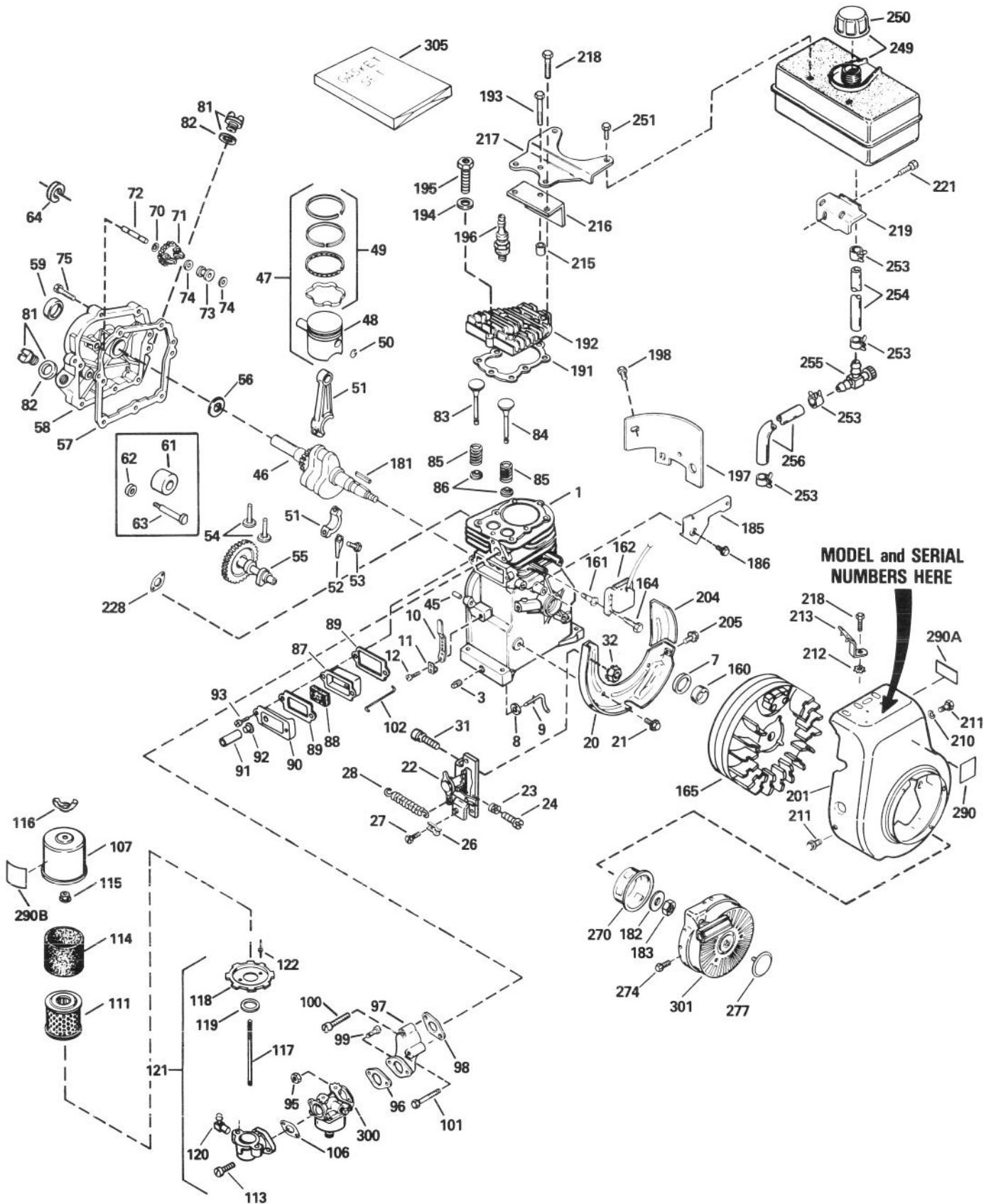
T-0481-89

NOTE: Tool used to align mower in grinder for reel or bedknife grinding.

| Ref. No. | Part No. | Description        | No. Used |
|----------|----------|--------------------|----------|
| 1        | 3-4808   | Nut — Wing         | 1        |
| 2        | 20-0110  | Bracket — Aligning | 1        |
| 3        | 32128-20 | Nut — Flange       | 1        |
| 4        | 3-6657   | Clip — Skid        | 2        |
| 5        | 20-0070  | Tube               | 1        |
| 6        | 3219-2   | Nut — Hex. Full    | 1        |
| 7        | 20-0080  | Rod                | 1        |
| 8        | 32122-35 | Screw — Machine    | 1        |
| 9        | 3255-8   | Washer — Lock      | 1        |

\*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1-800-533-0492  
(in Minnesota and Canada 1-507-455-7050) Fax. 507-455-7011.

# ENGINE TECUMSEH MODEL NO. H35-45618S



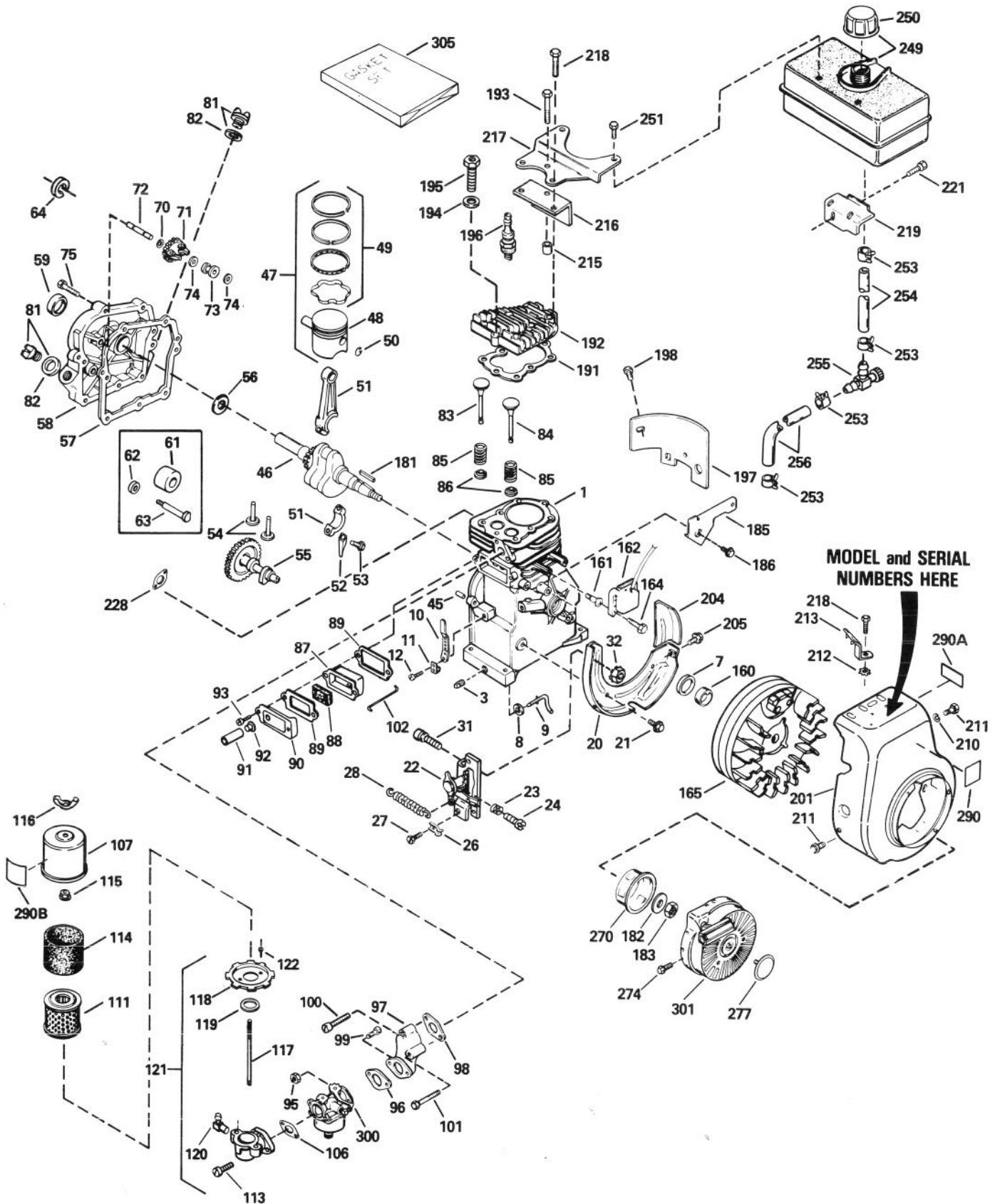
# ENGINE TECUMSEH MODEL NO. 35-45618S

| Ref. No. | Part No. | Description                                                                 | No. Used |
|----------|----------|-----------------------------------------------------------------------------|----------|
| 1        | 35115A   | Cylinder Assembly<br>(Incl. Ref. #3, 7 & 45)                                | 1        |
| 3        | 27642    | Plug, Pipe, 1/4-18                                                          | 1        |
| 7        | 32600    | Seal, Oil                                                                   | 1        |
| 8        | 28277    | Washer, Flat                                                                | 1        |
| 9        | 31334    | Rod, Governor                                                               | 1        |
| 10       | 31510    | Lever, Governor                                                             | 1        |
| 11       | 31335    | Clamp, Governor Lever                                                       | 1        |
| 12       | 650548   | Screw, Hex Washer Hd.,<br>8-32 x 5/16                                       | 1        |
| 20       | †33342   | Baffle, Blower Housing                                                      | 1        |
| 21       | 650561   | Screw, Hex Washer Hd. Durluk<br>1/4-20 x 5/8                                | 1        |
| 22       | †33879A  | Control Assembly, Bracket (Incl.<br>Ref. #23 thru 27, 31 & 32)              | 1        |
| 23       | 31342    | Spring, Compression                                                         | 1        |
| 24       | 650549   | Screw, Fil. Hd., 5-40 x 7/16                                                | 1        |
| 26       | 27793    | Clip, Conduit                                                               | 1        |
| 27       | 28942    | Screw, Hex Washer Hd. Sems,<br>10-32 x 3/8                                  | 1        |
| 28       | 31426    | Spring, Extension                                                           | 1        |
| 31       | †650139  | Screw, Fil. Hd. Sems,<br>8-32 x 1/2                                         | 1        |
| 32       | †30322   | Nut, Lock, 8-32                                                             | 1        |
| 45       | 26727    | Pin, Dowel                                                                  | 1        |
| 46       | 35116    | Crankshaft Assembly                                                         | 1        |
| 47       | 34514    | Piston, Pin & Ring Assy. (Std.)<br>(Incl. Ref. #48, 49 & 50)                | 1        |
| 47       | 34515    | Piston, Pin & Ring Assembly<br>(.010 Oversize) (Incl. Ref.<br>#48, 49 & 50) | 1        |
| 47       | 34516    | Piston, Pin & Ring Assembly<br>(.020 Oversize) (Incl. Ref.<br>#48, 49 & 50) | 1        |
| 48       | 32538B   | Piston & Pin Assembly<br>(Std.) (Incl. Ref. #50)                            | 1        |
| 48       | 32548B   | Piston & Pin Assembly (.010<br>Oversize) (Incl. Ref. #50)                   | 1        |
| 48       | 32549B   | Piston & Pin Assembly (.020<br>Oversize) (Incl. Ref. #50)                   | 1        |
| 49       | 28986    | Ring Set, Piston (Std.)                                                     | 1        |
| 49       | 28987    | Ring Set, Piston (.010 Oversize)                                            | 1        |
| 49       | 28988    | Ring Set, Piston (.020 Oversize)                                            | 1        |
| 50       | 20381    | Ring, Piston Pin Retaining                                                  | 1        |
| 51       | 32875    | Rod Assembly, Connecting<br>(Incl. Ref. #52 & 53)                           | 1        |
| 52       | 32654    | Dipper, Oil                                                                 | 1        |
| 53       | 32610A   | Bolt, Connecting Rod                                                        | 1        |
| 54       | 27241    | Lifter, Valve                                                               | 1        |
| 55       | 33149A   | Camshaft (Compression<br>Release)                                           | 1        |
| 56       | 32323    | Washer, Thrust                                                              | 1        |
| 57       | *27677A  | Gasket, Cylinder Cover                                                      | 1        |
| 58       | 30756B   | Cover, Cylinder<br>(Incl. Ref. #59 & 72)                                    | 1        |
| 59       | 28540    | Seal, Oil                                                                   | 1        |
| 61       | 28458    | Bearing, Ball                                                               | 1        |
| 62       | 28537    | Washer, Flat                                                                | 1        |
| 63       | 30200    | Screw, Hex Washer Hd.<br>Self-tap Sems, 10-24 x 9/16                        | 1        |
| 64       | 28539    | Ring, Retaining                                                             | 1        |
| 70       | 35479    | Washer, Flat                                                                | 1        |
| 71       | 30591    | Gear, Governor (Incl. Ref. #70)                                             | 1        |
| 72       | 30574    | Shaft, Mechanical Governor                                                  | 1        |
| 73       | 30588A   | Spool, Governor                                                             | 1        |
| 74       | 29193    | Ring, Retaining                                                             | 1        |
| 75       | 650488   | Screw, Hex Hd. Sems,<br>1/4-20 x 1-1/4                                      | 1        |
| 81       | 27625    | Plug, Oil Filler (Incl. Ref. #82)                                           | 1        |
| 82       | *29673   | Gasket, Oil Fill                                                            | 1        |

| Ref. No. | Part No. | Description                                               | No. Used |
|----------|----------|-----------------------------------------------------------|----------|
| 83       | 29313C   | Valve, Exhaust (Std.)<br>(Incl. Ref. #86)                 | 1        |
| 83       | 29315C   | Valve, Exhaust (1/32"<br>Oversize) (Incl. Ref. #86)       | 1        |
| 84       | 29314B   | Valve, Intake (Std.)<br>(Incl. Ref. #86)                  | 1        |
| 84       | 29315C   | Valve, Intake (1/32" Oversize)<br>(Incl. Ref. #86)        | 1        |
| 85       | 31672    | Spring, Valve                                             | 1        |
| 86       | 31673    | Cap, Valve Spring                                         | 1        |
| 87       | 27666    | Body, Valve Cover                                         | 1        |
| 88       | 31410    | Element, Valve Body                                       | 1        |
| 89       | *27234A  | Gasket, Valve Cover                                       | 1        |
| 90       | 34146    | Cover, Breather Assembly                                  | 1        |
| 91       | 32477    | Tube, Breather                                            | 1        |
| 92       | 32466    | Grommet, Breather                                         | 1        |
| 93       | 650128   | Screw, Hex Hd. Sems,<br>10-24 x 1/2                       | 1        |
| 95       | 29752    | Nut & Lockwasher Assy., 1/4-28                            | 1        |
| 96       | *26756   | Gasket, Carburetor                                        | 1        |
| 97       | 28416A   | Pipe, Intake (Incl. Ref. #100)                            | 1        |
| 98       | *26754A  | Gasket, Intake                                            | 1        |
| 99       | 6201     | Screw, Hex Hd., 1/4-28 x 7/8                              | 1        |
| 100      | 650840   | Screw, Fil. Hd. Sems,<br>1/4-20 x 1-7/32                  | 1        |
| 101      | 650664   | Screw, Fil. Hd. Sems,<br>1/4-20 x 1-19/32                 | 1        |
| 102      | 31858    | Link, Governor-to-throttle                                | 1        |
| 106      | *27272A  | Gasket, Air Cleaner                                       | 1        |
| 107      | 34781    | Body, Air Cleaner                                         | 1        |
| 111      | 34782    | Element, Air Cleaner                                      | 1        |
| 113      | 650163   | Screw, Fil. Hd. Sems,<br>10-32 x 7/8                      | 1        |
| 114      | 34783    | Filter, Pre-air                                           | 1        |
| 115      | 650825   | Nut, Air Cleaner                                          | 1        |
| 116      | 650513   | Nut, Wing                                                 | 1        |
| 117      | 650826   | Stud, Air Cleaner                                         | 1        |
| 118      | 34699    | Bracket, Air Cleaner                                      | 1        |
| 119      | 34698A   | Gasket, Air Cleaner                                       | 1        |
| 120      | 30675    | Fitting, Breather Tube                                    | 1        |
| 121      | 35071    | Elbow Assembly, Air Cleaner<br>(Incl. Ref. #117 thru 120) | 1        |
| 122      |          | Pop Rivet (Can be purchased<br>locally)                   | 1        |
| 160      | 34080    | Spacer, Flywheel Key                                      | 1        |
| 161      | 650872   | Stud, Solid State Mounting                                | 1        |
| 162      | 34443A   | Solid State Assembly                                      | 1        |
| 164      | 650814   | Screw, Torx Hex Washer Hd.<br>Sems, 10-24 x 1             | 1        |
| 165      | 611080   | Flywheel (W/Ring Gear)                                    | 1        |
| 181      | 610961   | Key, Flywheel                                             | 1        |
| 182      | 650815   | Washer, Belleville                                        | 1        |
| 183      | 650816   | Nut, Flywheel                                             | 1        |
| 185      | 34212    | Bracket, Hold Down                                        | 1        |
| 186      | 30200    | Screw, Hex Washer Hd.<br>Self-tap Sems, 10-24 x 9/16      | 1        |
| 191      | *29953C  | Gasket, Cylinder Head                                     | 1        |
| 192      | 30579A   | Head, Cylinder (Incl. Ref. #218)                          | 1        |
| 193      | 6021A    | Screw, Hex Flange Hd.,<br>5/16-18 x 1-1/2                 | 1        |
| 194      | 650691   | Washer, Flat                                              | 1        |
| 195      | 650595A  | Screw, Hex Flange Hd.,<br>5/16-18 x 2-1/4                 | 1        |
| 196      | 34251    | Spark Plug, Resistor (Champion<br>RJ-17LM or equivalent)  | 1        |
| 197      | 29745    | Extension, Blower Housing                                 | 1        |
| 198      | 650128   | Screw, Hex Hd. Sems,<br>10-24 x 1/2                       | 1        |
| 201      | 35585    | Housing, Blower                                           | 1        |
| 204      | 33341    | Extension, Baffle                                         | 1        |

\*Indicates Parts Included in Gasket Set, Ref. #305.

# ENGINE TECUMSEH MODEL NO. H35-45618S (Continued)

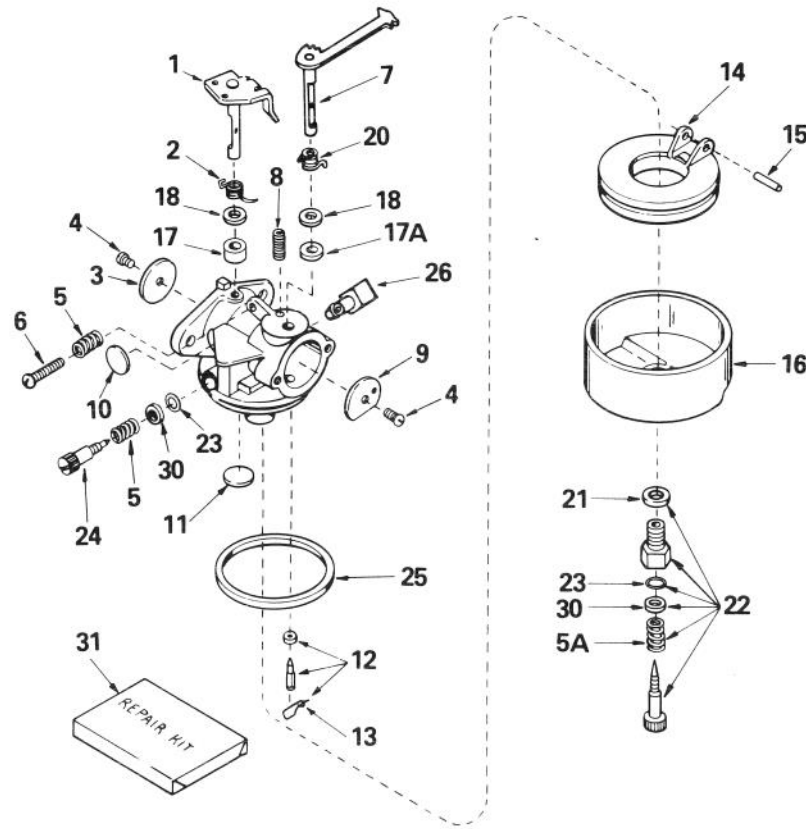


## ENGINE TECUMSEH MODEL NO. H35-45618S (Continued)

| Ref. No. | Part No. | Description                                              | No. Used |
|----------|----------|----------------------------------------------------------|----------|
| 205      | 650701   | Screw, Hex Washer Hd.Shake-proof Self-Drilling,8-18x7/16 | 1        |
| 210      | 650168   | Washer, Flat                                             | 1        |
| 211      | 29212    | Screw, Hex Hd. Sems, 1/4-28 x 7/16                       | 1        |
| 212      | 650890   | Washer, Flat                                             | 1        |
| 213      | 30747    | Clip, Shorting                                           | 1        |
| 215      | 28212    | Spacer, Tank Bracket                                     | 1        |
| 216      | 33344    | Baffle, Heat                                             | 1        |
| 217      | 34183A   | Plate, Fuel Tank                                         | 1        |
| 218      | 650694A  | Screw, Hex Flange Hd., 5/16-18 x 2                       | 1        |
| 219      | 34182    | Bracket, Fuel Tank Mounting                              | 1        |
| 221      | 650561   | Screw, Hex Washer Hd. Durluk, 1/4-20 x 5/8               | 1        |
| 228      | *30081A  | Gasket, Exhaust                                          | 1        |
| 249      | 34156A   | Tank Assy., Fuel (Incl. Ref. #250 & 253)                 | 1        |

| Ref. No. | Part No. | Description                                     | No. Used |
|----------|----------|-------------------------------------------------|----------|
| 250      | 35355    | Cap, Fuel Tank                                  | 1        |
| 251      | 650665   | Screw, Hex Washer Hd. Self-tap Sems, 1/4-15x7/8 | 1        |
| 253      | 26460    | Clamp, Fuel Line                                | 1        |
| 254      | 29774    | Line, Fuel                                      | 1        |
| 255      | 32961    | Valve, Fuel Shut-off                            | 1        |
| 256      | 30705    | Line, Fuel                                      | 1        |
| 270      | 34694    | Cup, Starter                                    | 1        |
| 274      | 650884   | Screw, Hex Washer Hd., 8-32 x 1/2               | 1        |
| 277      | 35392    | Plug, Starter                                   | 1        |
| 290      | 34686    | Decal, Name                                     | 1        |
| 290A     | 34346    | Decal, Instruction                              | 1        |
| 290B     | 34704    | Decal, Air Cleaner                              | 1        |
| 300      | 632229   | Carburetor (Incl. Ref. #96)                     | 1        |
| 301      | 590642   | Starter, Rewind                                 | 1        |
| 305      | 33233A   | Gasket Set (Incl. items marked *)               | 1        |

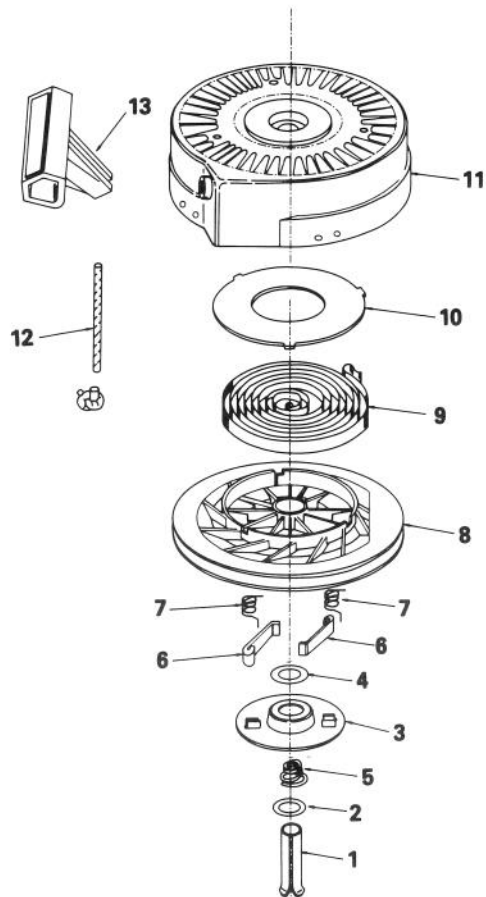
\*Indicates Parts Included in Gasket Set, Ref. #305



## CARBURETOR ASSEMBLY NO. 63229

| Ref. No. | Part No. | Description                                         | No. Used |
|----------|----------|-----------------------------------------------------|----------|
|          | 632229   | Carburetor                                          | 1        |
| 1        | 631615   | Shaft & Lever Assy., Throttle                       | 1        |
| 2        | 631767   | Spring, Throttle                                    | 1        |
| 3        | 631036   | Shutter, Throttle                                   | 1        |
| 4        | 650506   | Screw, Rd. Hd., 4-40 x 3/16                         | 1        |
| 5        | 630766   | Spring, Idle Regulating Screw                       | 1        |
| 5A       | 630738   | Spring, Main Adjustment Screw                       | 1        |
| 6        | 650417   | Screw, Idle Regulating                              | 1        |
| 7        | 632145   | Shaft & Lever Assy., Choke                          | 1        |
| 8        | 630735   | Spring, Choke Positioning                           | 1        |
| 9        | 31837    | Shutter, Choke                                      | 1        |
| 10       | *630748  | Plug, Welch                                         | 1        |
| 11       | *631027  | Plug, Welch                                         | 1        |
| 12       | *631021  | Inlet Needle, Seat & Clip Assembly (Incl. Ref. #13) | 1        |
| 13       | 631022   | Clip, Inlet Needle                                  | 1        |

| Ref. No. | Part No. | Description                                                | No. Used |
|----------|----------|------------------------------------------------------------|----------|
| 14       | 632019   | Float, Carburetor                                          | 1        |
| 15       | *631024  | Shaft, Float                                               | 1        |
| 16       | 631867   | Bowl, Float                                                | 1        |
| 17       | 631971   | Seal, Dust                                                 | 1        |
| 17A      | 631183   | Washer, Felt                                               | 1        |
| 18       | 631184   | Washer                                                     | 1        |
| 20       | 632042   | Spring, Compression                                        | 1        |
| 21       | 27110    | Gasket, Bowl-to-body                                       | 1        |
| 22       | *31839   | Adjustment Screw Assy., Main (Incl. Ref. #5A, 21, 23 & 30) | 1        |
| 23       | *630740  | "O" Ring, Adjustment Screw                                 | 1        |
| 24       | *631078  | Screw, Idle Adjustment                                     | 1        |
| 25       | *631028  | Gasket, Bowl-to-body                                       | 1        |
| 26       | 631775   | Fitting, Fuel Inlet                                        | 1        |
| 30       | 630739   | Washer, Flat                                               | 1        |
| 31       | 31840    | Repair Kit (Incl. items marked *)                          | 1        |



## REWIND STARTER NO. 590642

| Ref. No. | Part No. | Description                 | No. Used | Ref. No. | Part No. | Description                             | No. Used |
|----------|----------|-----------------------------|----------|----------|----------|-----------------------------------------|----------|
|          | 590642   | Starter, Rewind             | 1        | 8        | 590618   | Pulley                                  | 1        |
| 1        | 590599A  | Pin, Spring (Incl. Ref. #4) | 1        | 9        | 590619   | Spring, Rewind                          | 1        |
| 2        | 590600   | Washer                      | 1        | 10       | 590620   | Cover, Spring                           | 1        |
| 3        | 590615   | Retainer                    | 1        | 11       | 590643   | Housing Assembly, Starter               | 1        |
| 4        | 590601   | Washer                      | 1        | 12       | 590535   | Rope, Starter (Length 62" & 9/64" Dia.) | 1        |
| 5        | 590598   | Spring, Brake               | 1        | 13       | 590452   | Handle, Starter                         | 1        |
| 6        | 590616   | Dog, Starter                | 1        |          |          |                                         |          |
| 7        | 590617   | Spring, Dog                 | 1        |          |          |                                         |          |

## 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 apparently has been made in your unit, which is not reflected in your manual, see your TORO Distributor for information and part numbers.

## IDENTIFICATION AND ORDERING

### Model and Serial Numbers

The Greensmaster 105 has two identification numbers: a model number and a serial number. The two numbers are stamped on a plate which is located on rear of transmission case. In any correspondence concerning the Greensmaster 105 supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Distributor, supply the following information:

1. Model and serial number of the Greensmaster 105.
2. Part number, description, and quantity of part(s) desired.

**NOTE:** Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

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## MAINTENANCE RECORD

[illegible]

## MAINTENANCE RECORD

[illegible]