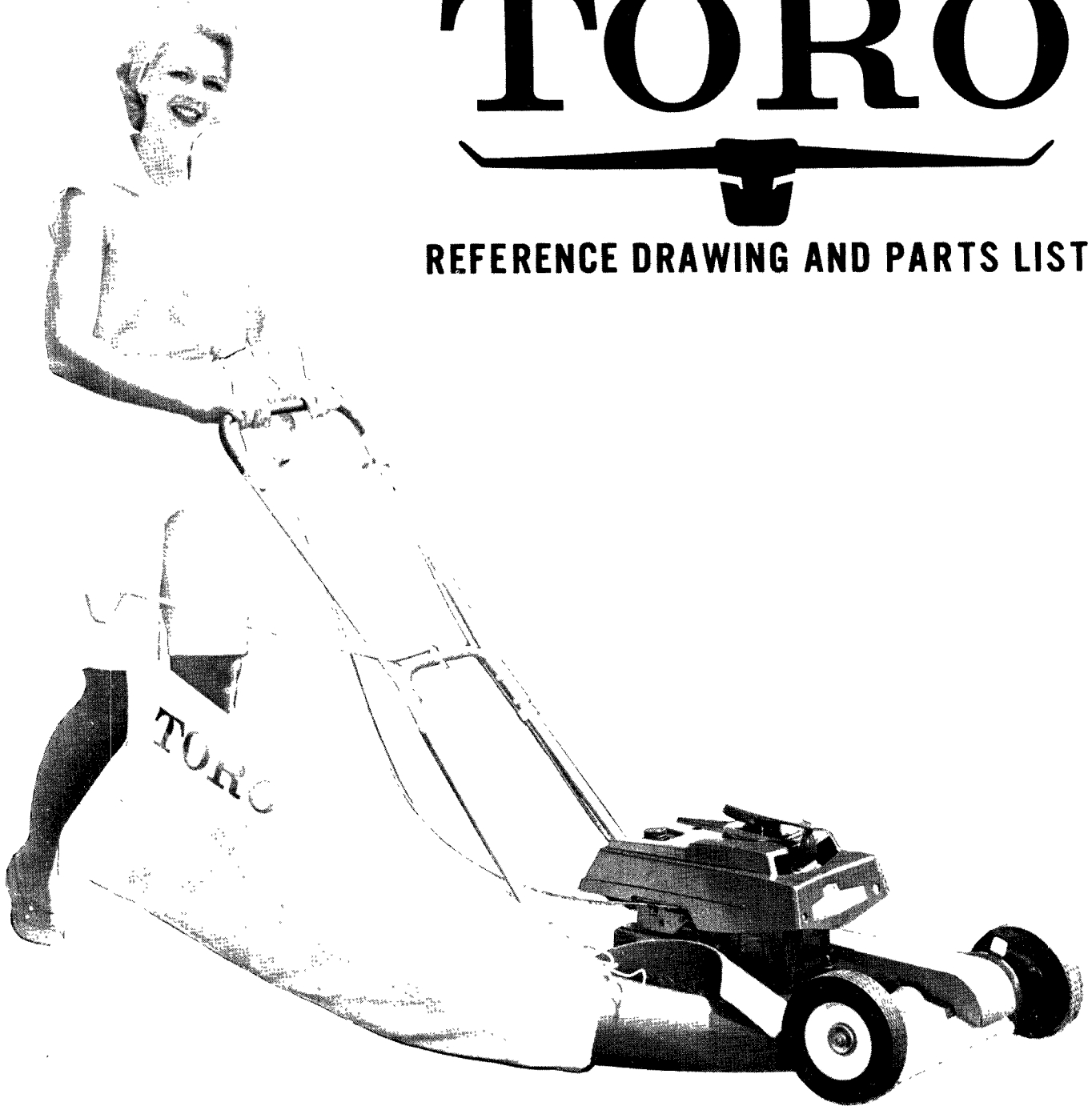


1961

# TORO



REFERENCE DRAWING AND PARTS LIST



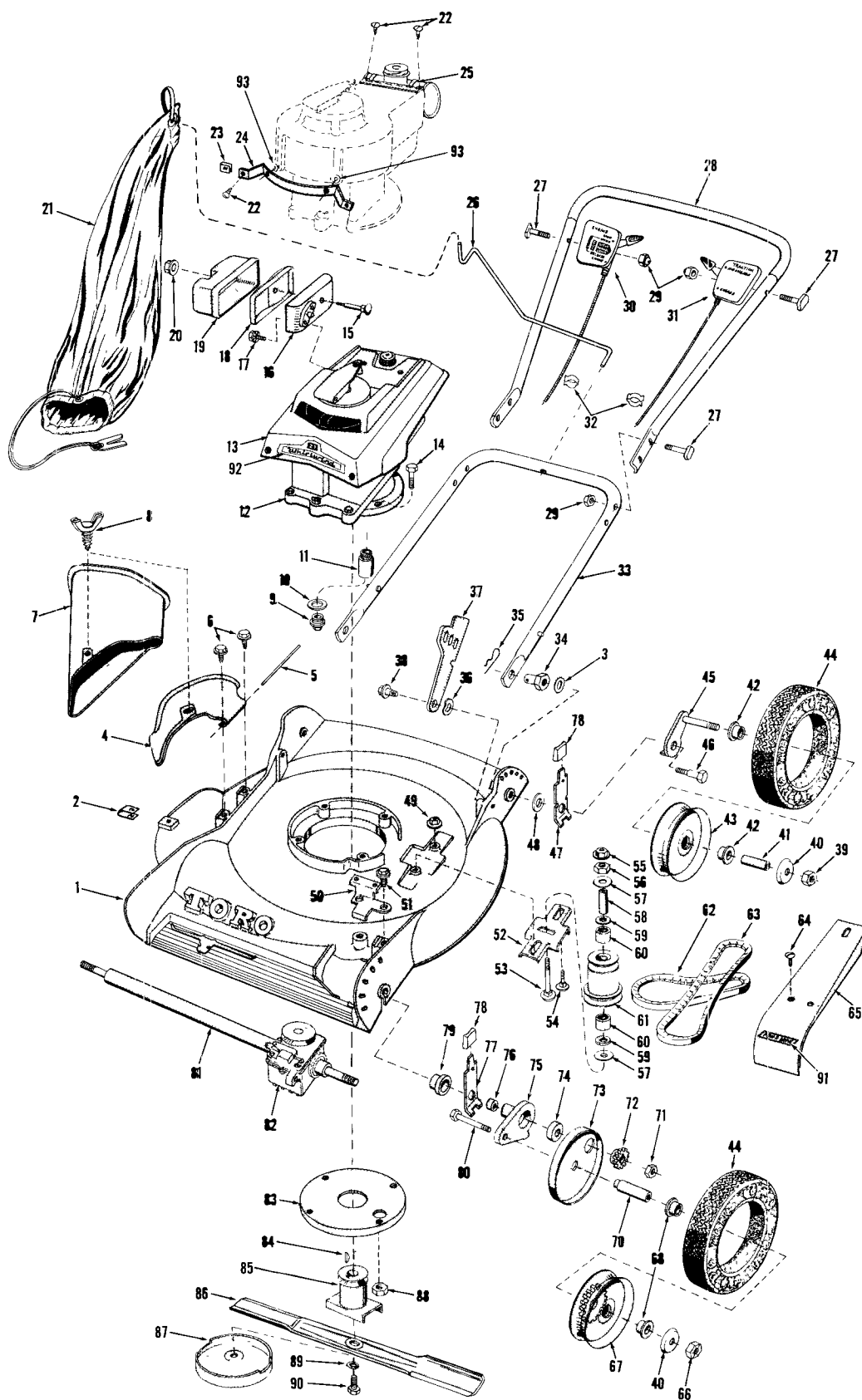
## 21" WHIRLWIND - S.P.

MODEL NO. 20121

BOOK NO. 7556

Price 25 cents

# MOWER DRAWING



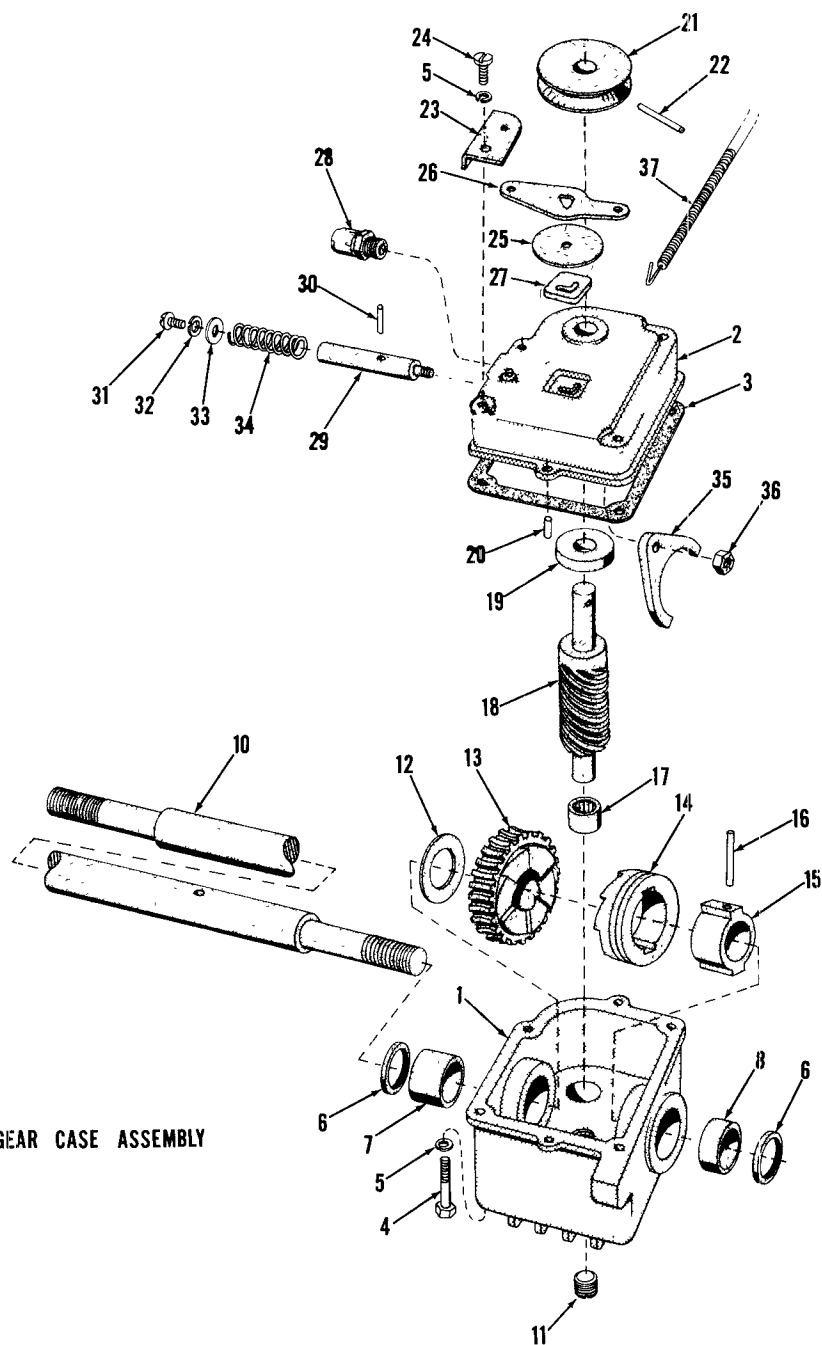
Drawing No. 7556-2

# PARTS LIST

| Ref. No. | Part No. | Description                                          | No. Used | Ref. No. | Part No. | Description                                 | No. Used |
|----------|----------|------------------------------------------------------|----------|----------|----------|---------------------------------------------|----------|
| 1        | 3-2484   | Main Frame                                           | 1        | 50       | 3-2663   | Bracket, Transmission                       | 1        |
| 2        | 3290-190 | Speed Nut                                            | 1        | 51       | 32104-31 | Screw                                       | 2        |
| 3        | 3255-18  | Lockwash., Ext. Tooth                                | 2        | 52       | 3-0751   | Mounting Bracket                            | 1        |
| 4        | 3-2574   | Deflector                                            | 1        | 53       | 3-2642   | Special Bolt                                | 1        |
| 5        | 3-2644   | Hinge-Pin                                            | 1        | 54       | 3230-16  | Carriage Bolt                               | 2        |
| 6        | 32104-58 | Screw                                                | 2        | 55       | 32128-12 | Nut, Lock                                   | 1        |
| 7        | 3-2572   | Bag Attachment                                       | 1        | 56       | 3-2651   | Nut, Idler                                  | 1        |
| 8        | 3-2647   | Thumb Screw                                          | 1        | 57       | 3-0750   | Washer                                      | 2        |
| **9      | 27244    | Oil Drain                                            | 1        | 58       | 3-0748   | Spindle                                     | 1        |
| **10     | 27245    | Gasket, Oil Drain                                    | 1        | 59       | 253-85   | Oil Seal                                    | 2        |
| 11       | 3-0761   | Extension, Oil Drain                                 | 1        | 60       | 252-50   | Bearing                                     | 2        |
| 12       | 221-190  | Engine                                               | 1        | 61       | 3-0747   | Idler Pulley                                | 1        |
| 13       | 3-2566   | Engine Shroud                                        | 1        | 62       | 3-1183   | Belt, Cutter Bar                            | 1        |
| 14       | 322-13   | Screw, 5/16" N.C.<br>x 2 <sup>3</sup> / <sub>4</sub> | 3        | 63       | 3-1182   | Belt, Traction                              | 1        |
| 15       | 3292-12  | Carriage Bolt                                        | 1        | 64       | 32104-60 | Screw                                       | 2        |
| 16       | 3-2722   | Muffler, Engine Side                                 | 1        | 65       | 3-2657   | Belt Guard                                  | 1        |
| 17       | 32140-17 | Screw, Sems                                          | 2        | 66       | 32146-6  | Nut                                         | 2        |
| 18       | 3-2723   | Baffle, Muffler                                      | 1        | 67       | 3-0742   | Front Wheel W/Gear &<br>Bushings (Ref. #68) | 2        |
| 19       | 3-2724   | Muffler, Free Side                                   | 1        | 68       | 3-1506   | Bushing, Front Wheel                        | 4        |
| 20       | 32128-10 | Stop Nut                                             | 1        |          |          |                                             | 2        |
| 21       | 3-0688   | Bag Assembly                                         | 1        | 70       | 3-0741   | Spindle                                     | 2        |
| 22       | 32104-59 | Screw, Self-Tap                                      | 4        | 71       | 3296-5   | Nut                                         | 2        |
| 23       | 3290-191 | Speed Nut                                            | 2        | 72       | 3-0738   | Gear                                        | 2        |
| 24       | 3-2772   | Bracket, Front Shroud                                | 1        | 73       | 3-0740   | Wheel Cover                                 | 2        |
| 25       | 3-1824   | Tank, Shroud Bracket                                 | 1        | 74       | 251-145  | Bearing                                     | 2        |
| 26       | 3-0690   | Hanger, Bag                                          | 1        | 75       | 3-0735   | Pivot Arm, Left                             | 1        |
| 27       | 3-2654   | Screw                                                | 6        | *        | 3-0736   | Pivot Arm, Right                            | 1        |
| 28       | 2-1039   | Handle Assy, Upper                                   | 1        | 76       | 256-1    | Bushing                                     | 2        |
| 29       | 32128-11 | Nut, 1/4" N.C. Lock                                  | 6        | 77       | 3-2640   | Arm Ass'y, Front<br>Wheel                   | 2        |
| 30       | 3-2791   | Throttle Control Assy.                               | 1        |          |          |                                             | 4        |
| 31       | 3-2792   | Clutch Control Assy.                                 | 1        | 78       | 3-0650   | Knob                                        | 2        |
| 32       | WA-85    | Clip                                                 | 2        | 79       | 3-2646   | End Cap                                     | 2        |
| 33       | 3-0700   | Handle Assy., Lower                                  | 1        | 80       | 3211-11  | Wheel Bolt, 3/8" N. F.<br>x 2-1/2" 66       | 2        |
| 34       | 3-0657   | Nut, Handle Pivot                                    | 2        | 81       | 3-0720   | Drive Shaft                                 | 1        |
| 35       | 3290-255 | Hairpin Cotter                                       | 2        | 82       | 3-2660   | Gear Case Ass'y.<br>incl. Ref. #81          | 1        |
| 36       | 3290-218 | Washer, Spring                                       | 2        | 83       | 3-2643   | Grass Guard                                 | 1        |
| 37       | 3-2656   | Handle Latch                                         | 2        | 84       | 3257-3   | Key                                         | 1        |
| 38       | 3-1846   | Screw, Shoulder                                      | 2        | 85       | 3-0755   | Hub, Cutter Bar                             | 1        |
| 39       | 32146-9  | Nut                                                  | 2        | 86       | 3-0663   | Cutter Bar                                  | 1        |
| 40       | 2-6710   | Hub Cap                                              | 4        | 87       | 3-2641   | Anti-Scalp Dish                             | 1        |
| 41       | 2-1120   | Spindle, Rear Wheel                                  | 2        | 88       | 32149-1  | Nut, 5/16" N.C. Lock                        | 3        |
| 42       | 4-4550   | Bushing                                              | 4        | 89       | 3253-6   | Lockwasher, 7/16" Reg.                      | 1        |
| 43       | 4-2670   | Rear Wheel W/Bushing<br>(Ref. #42)                   | 2        | 90       | 3-2713   | Screw, Cutter Bar                           | 1        |
| 44       | 4-2600   | Tire                                                 | 4        | 91       | 3-2645   | Decal, Belt Guard                           | 1        |
| 45       | 3-0654   | Pivot Arm, Left Rear                                 | 1        | 92       | 3-2667   | Decal, Front                                | 1        |
| *        | 3-0641   | Pivot Arm, Right Rear                                | 1        | 93       | 3-1034   | Washer, Blower Housing                      | 2        |
| 46       | 3-0655   | Pivot Screw                                          | 2        | *        | 3-2822   | Decal, Rear                                 | 1        |
| 47       | 3-2637   | Arm Ass'y, Rear Wheel                                | 2        | *        | 3-2803   | Caution Decal                               | 1        |
| 48       | 3-1478   | Pivot Washer                                         | 2        | *        | Z-142    | Plate, Serial No.                           | 1        |
| 49       | 3290-187 | Nut, Lock                                            | 2        |          |          |                                             |          |

\*Not Illustrated

\*\*Obtain From Your Lawson Dealer



GEAR CASE ASSEMBLY

Drawing No. 7556-4

# DRIVE CASE PARTS LIST

| Ref. No. | Part No. | Description                                     | No Used | Ref. No. | Part No. | Description                            | No Used |
|----------|----------|-------------------------------------------------|---------|----------|----------|----------------------------------------|---------|
| 1        | 3-0717   | Gear Case                                       | 1       | 20       | 32121-1  | Pin                                    | 2       |
| 2        | 3-0725   | Cover, Gear Case                                | 1       | 21       | 3-0727   | Pulley                                 | 1       |
| 3        | 3-0734   | Gasket                                          | 1       | 22       | 32121-37 | Pin, Pulley to Shaft                   | 1       |
| 4        | 321-18   | Screw, $\frac{1}{4}$ " N. C. x $2\frac{1}{4}$ " | 4       | 23       | 3-2655   | Shifter Arm Guide                      | 1       |
| 5        | 3253-3   | Lockwasher, $\frac{1}{4}$ " Reg.                | 5       | 24       | 32113-3  | Screw, $\frac{1}{4}$ " N. C. x $3/8$ " | 1       |
| 6        | 253-86   | Oil Seal                                        | 2       | 25       | 3-2615   | Trans. Dust Cap                        | 1       |
| 7        | 256-109  | Bearing                                         | 1       | 26       | 3-0732   | Shifter Arm                            | 1       |
| 8        | 256-110  | Bearing                                         | 1       | 27       | 3-0681   | Latch Plate                            | 1       |
| 10       | 3-0720   | Shaft, Drive                                    | 1       | 28       | 302-14   | Vent                                   | 1       |
| 11       | 285-10   | Pipe Plug                                       | 1       | 29       | 3-2662   | Shifter Rod                            | 1       |
| 12       | 3-0724   | Washer, Thrust                                  | 1       | 30       | 32121-23 | Pin, In Shift Rod                      | 1       |
| 13       | 3-0723   | Worm Gear                                       | 1       | 31       | 3251-2   | Screw, 10-24 x $\frac{1}{2}$ "         | 1       |
| 14       | 3-0722   | Clutch Jaw                                      | 1       | 32       | 3253-17  | Lockwasher, #10 Reg.                   | 1       |
| 15       | 3-0721   | Sleeve                                          | 1       | 33       | 3256-14  | Washer, #10 S. A. E.                   | 1       |
| 16       | 32121-40 | Pin                                             | 1       | 34       | 3-0731   | Spring                                 | 1       |
| 17       | 252-51   | Bearing                                         | 1       | 35       | 3-0730   | Shifter Fork                           | 1       |
| 18       | 3-0726   | Worm Shaft                                      | 1       | 36       | 3296-12  | Nut, 10-24 Elastic Stop                | 1       |
| 19       | 251-144  | Bearing                                         | 1       | 37       | 3-2792   | Control, Clutch                        | 1       |

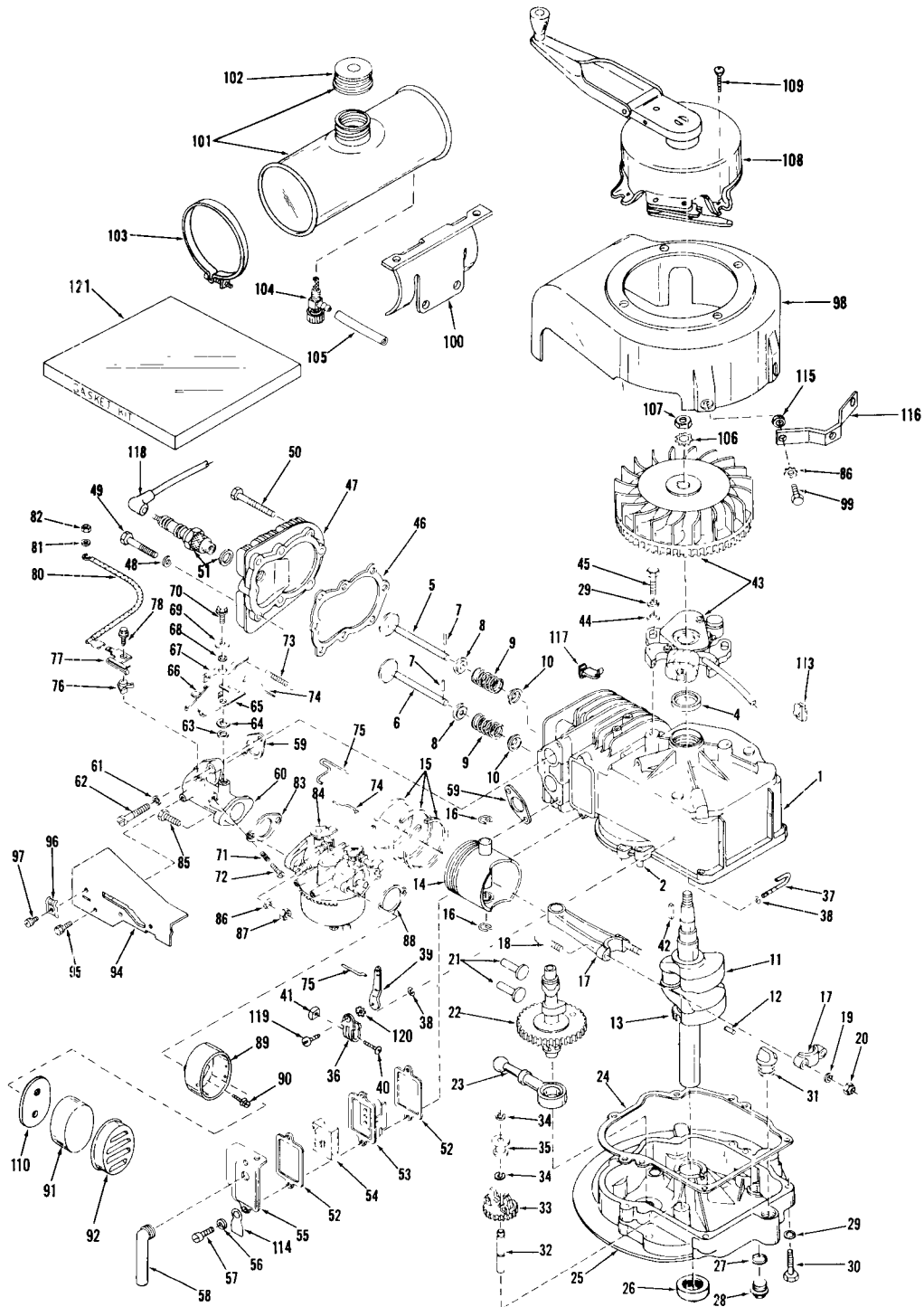
INSIST ON GENUINE TORO PARTS

## IMPORTANT ORDERING INSTRUCTIONS

Repair parts are available from your TORO distributor or service dealer. To insure getting correct parts without delay, please furnish the following information:

1. Serial number of your mower as shown on the name plate.
2. Part number, description and quantity of each part required.
3. State whether parts should be shipped by mail or express. All repair parts are shipped F. O. B. factory.
4. Name and address where parts are to be shipped.
5. Do not order by reference number; use part number only.

# ENGINE DRAWING SPINSTART



Drawing No. 7556-6

# ENGINE PARTS LIST

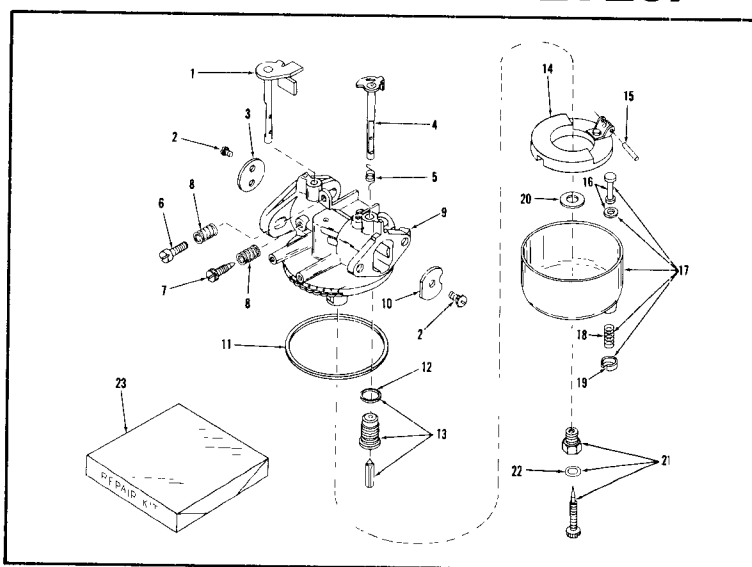
| Ref. No. | Part No. | Description                                        | No. Used | Ref. No. | Part No. | Description                                 | No. Used |
|----------|----------|----------------------------------------------------|----------|----------|----------|---------------------------------------------|----------|
| 1        | 29913    | Cylinder Assembly<br>(Incl. #2 & 4)                | 1        | 39       | 29917    | Lever, Governor                             | 1        |
| 2        | 26727    | Pin, Dowel                                         | 2        | 40       | 29826    | Screw, Socket Hd. Cap<br>Screw, 10-32 x 3/4 | 1        |
| 4        | †29183   | Seal, Oil                                          | 1        | 41       | 29216    | Nut, Square, 10-32                          | 1        |
| 5        | 29314    | Valve, Intake                                      | 1        | 42       | 27247    | Key, Straight                               | 1        |
| 5        | 29316    | Valve, Intake<br>(1/32" O. S.)                     | 1        | 43       | 29162    | Magneto, Wico<br>#FW-2617                   | 1        |
| 6        | 29313    | Valve, Exhaust                                     | 1        | 43       | 29172    | Magneto, Phelon<br>#F-32206                 | 1        |
| 6        | 29315    | Valve, Exhaust<br>(1/32" O. S.)                    | 1        | 43       | 29619    | Magneto, Tecumseh<br>#5000                  | 1        |
| 7        | 20794    | Pin, Valve Spring<br>Retaining                     | 2        | 44       | 8345     | Flatwasher, 1/4"                            | 2        |
| 8        | 26957    | Cap, Upper Valve Spring                            | 2        | 45       | 650216   | Screw, Hex Hd. Cap<br>1/4-20 x 3/4          | 2        |
| 9        | 24772    | Spring, Valve                                      | 2        | 46       | †29920   | Gasket, Cylinder Head                       | 1        |
| 10       | 21043    | Cap, Lower Valve Spring                            | 2        | 47       | 29921    | Head, Cylinder                              | 1        |
| 11       | 29223    | Crankshaft Assembly<br>(Incl. #12 & 13)            | 1        | 48       | 26073    | Washer, 5/16"                               | 5        |
| 12       | 29783    | Pin, Groove                                        | 1        | 49       | 6021     | Screw, Hex Hd. Cap,<br>5/16-18 x 1-1/2      | 5        |
| 13       | 27613    | Gear, Crankshaft                                   | 1        | 50       | 6023     | Screw, Hex Hd. Cap,<br>5/16-18 x 2          | 3        |
| 14       | 27841    | Piston & Pin Assembly<br>(Incl. 2 of #16)          | 1        | 51       | 21943    | Spark Plug (Champion<br>J8 or Equivalent)   | 1        |
| 14       | 27861    | Piston & Pin Assembly<br>(.010 O. S.)(Incl. 2 #16) | 1        | 52       | †27234   | Gasket, Valve Spring<br>Cover               | 2        |
| 14       | 27862    | Piston & Pin Assembly<br>(.020 O. S.)(Incl. 2 #16) | 1        | 53       | 27810    | Body Assy. Breather                         | 1        |
| 15       | 27565    | Ring Set                                           | 1        | 54       | 27233    | Element, Filter                             | 1        |
| 15       | 27566    | Ring Set (.010 O. S.)                              | 1        | 55       | 27626    | Cover, Valve Spring                         | 1        |
| 15       | 27567    | Ring Set (.020 O. S.)                              | 1        | 56       | 8269     | Lockwasher, Heavy<br>Split, #10             | 2        |
| 16       | 20381    | Ring, Piston Pin Retain.                           | 2        | 57       | 28404    | Screw, Phil. Fil. Hd.<br>Mach. 10-24 x 1/2  | 2        |
| 17       | 26743    | Rod Assy, Connecting<br>(Incl. #18, 19 & 20)       | 1        | 58       | 27627    | Tube, Breather                              | 1        |
| 18       | 26706    | Bolt, Connecting Rod                               | 2        | 59       | †26754   | Gasket, Intake and<br>Exhaust               | 2        |
| 19       | 20747    | Washer, Connecting<br>Rod Bolt                     | 2        | 60       | 29187    | Pipe, Intake                                | 1        |
| 20       | 27573    | Nut, Connecting Rod                                | 2        | 61       | 27513    | Lockwasher, Split, 1/4"                     | 2        |
| 21       | 27241    | Lifter, Valve                                      | 2        | 62       | 28725    | Screw, Phil. Fil. Hd.<br>Mach. 1/4-20 x 7/8 | 2        |
| 22       | 27242    | Camshaft                                           | 1        | 63       | 27830    | Flatwasher                                  | 1        |
| 23       | 29914    | Pump Assembly, Oil                                 | 1        | 64       | 28558    | Washer, Spring Wave                         | 1        |
| 24       | †26750   | Gasket, Mounting Flange                            | 1        | 65       | 29188    | Lever, Control                              | 1        |
| 25       | 29925    | Flange Assy, Mounting<br>(Incl. #26, 27, 28 & 32)  | 1        | 66       | 29190    | Spring, Control Lever                       | 1        |
| 26       | †26208   | Seal, Oil                                          | 1        | 67       | 29189    | Lever, R. P. M. Adjust.                     | 1        |
| 27       | †28833   | Gasket, Dr. Plug, 5/8 ID                           | 1        | 68       | 28562    | Bushing, R. P. M.<br>Adjusting Lever        | 1        |
| 27       | †30129   | Gasket, Dr. Plug, 3/8 ID                           | 1        | 69       | 28563    | Washer, Plain Flat                          | 1        |
| 28       | 27244    | Plug, Oil Drain, 5/8-18                            | 1        | 70       | 28762    | Screw, Slotted Hex. Hd.<br>10-24 x 1/2      | 1        |
| 28       | 30128    | Plug, Oil Drain, 3/8-18                            | 1        | 71       | 28569    | Spring, Compression                         | 1        |
| 29       | 8303     | Lockwasher, Hvy, 1/4"                              | 6        | 72       | 28379    | Screw, Fil. Hd. Mach.<br>8-32 x 5/8         | 1        |
| 30       | 650236   | Screw, Cap, 1/4 - 20 x 1 1/4"                      | 6        | 73       | 29199    | Spring, Extension                           | 1        |
| 31       | 27625    | Plug, Oil Filler                                   | 1        | 74       | 29206    | Link, Choke                                 | 1        |
| 32       | 29194    | Shaft, Mech. Governor                              | 1        | 75       | 29926    | Link, Throttle                              | 1        |
| 33       | 30117    | Gear Assy. Governor                                | 1        | 76       | 29209    | Washer, Insulating                          | 1        |
| 34       | 29193    | Ring, Retaining                                    | 2        |          |          |                                             |          |
| 35       | 30116    | Spool                                              | 1        |          |          |                                             |          |
| 36       | 29916    | Clamp, Governor Lever                              | 1        |          |          |                                             |          |
| 37       | 29915    | Rod, Governor                                      | 1        |          |          |                                             |          |
| 38       | 29310    | Ring, Retaining                                    | 2        |          |          |                                             |          |

(Continued on Next Page)

# ENGINE PARTS LIST - Cont'd.

| Ref. No. | Part No. | Description                                 | No. Used | Ref. No. | Part No. | Description                                         | No. Used |
|----------|----------|---------------------------------------------|----------|----------|----------|-----------------------------------------------------|----------|
| 77       | 29210    | Terminal                                    | 1        | 98       | 29933    | Housing, Blower                                     | 1        |
| 78       | 28762    | Screw, Hex Slotted Hd. 10-24 x 1/2          | 1        | 99       | 650240   | Screw, Hex Hd. Cap, 1/4-20 x 5/8                    | 2        |
| 80       | 28602    | Wire Assy, Ground                           | 1        | 100      | 3-1824   | Bracket, Fuel Tank Mounting                         | 1        |
| 81       | 8263     | Lockwasher, Split #6 (Wico or Tecumseh Mag) | 1        | 101      | 29245    | Tank, Assembly, Fuel (Incl. #102)                   | 1        |
| 81       | 8266     | Lockwasher, Split #8 (Phelon Magneto)       | 1        | 102      | 27799    | Cap, Fuel Filler                                    | 1        |
| 82       | 7962     | Hex Nut, 6-32 (Wico or Tecumseh Magneto)    | 1        | 103      | 29200    | Strap, Fuel Tank                                    | 1        |
| 82       | 7963     | Hex Nut, 8-32 (Phelon Magneto)              | 1        | 104      | 28571    | Strainer & Shut-off, Fuel                           | 1        |
| 83       | †26756   | Gasket, Carburetor                          | 1        | 105      | 29409    | Line, Fuel                                          | 1        |
| 84       | 29237    | Carburetor                                  | 1        | 106      | 29544    | Washer, Plain Flat                                  | 1        |
| 85       | 6201     | Screw, Hex Hd. Cap, 1/4-28 x 7/8            | 2        | 107      | 29201    | Nut, Flywheel                                       | 1        |
| 86       | 27070    | Lockwasher, 1/4" E. T.                      | 2        | 108      | 29932    | Starter Assembly Ratchet Impulse                    | 1        |
| 87       | 8138     | Nut, Hex Jam, 1/4-28                        | 2        | 109      | 29716    | Screw, Phil. Fil. Hd. Mach. 1/4-28 x 7/16           | 4        |
| 88       | †27272   | Gasket, Air Cleaner                         | 1        | 113      | 27275    | Clip, Lead Wire                                     | 1        |
| 89       | 29922    | Body, Air Cleaner                           | 1        | 114      | 550145   | Plate, Serial Number                                | 1        |
| 90       | 28753    | Screw, Phil. Fil. Hd. Mach. Sems 8-32x1/2   | 2        | 115      | 3-1034   | Washer, Plain Flat                                  | 2        |
| 91       | 29923    | Filter, Air                                 | 1        | 116      | 3-2772   | Bracket, Shroud Mount.                              | 1        |
| 92       | 29924    | Cover, Air Cleaner                          | 1        | 117      | 29406    | Clip, Fuel Line                                     | 1        |
| 94       | 29930    | Cover, Speed Control                        | 1        | 118      | 610118   | Terminal, Spark Plug                                | 1        |
| 95       | 28763    | Screw, Slotted Hex Wash. Hd. 10-24x7/16     | 2        | 119      | 29919    | Screw, Pan Slotted Hd. Self-tap. 8-32 x 3/8 Type 23 | 1        |
| 96       | 27793    | Clip, Conduit                               | 1        | 120      | 29918    | Lockwasher, No. 8 E. T.                             | 1        |
| 97       | 28942    | Screw, Slotted Hex. Hd. Sems, 10-32 x 3/8   | 1        | 121      | 29927    | Kit, Gasket (Incl. items marked †)                  | 1        |

## CARBURETOR No. 29237



| Ref. No. | Part No. | Description                | No. Used | Ref. No. | Part No. | Description                     | No. Used |
|----------|----------|----------------------------|----------|----------|----------|---------------------------------|----------|
|          | 29237    | Carburetor, Walbro LMG-134 |          | 2        | 630606   | Screw, Sems Pan Hd. 4-40 x 3/16 | 3        |
| 1        | 29171    | Shaft Assy, Throttle       | 1        | 3        | 27553    | Valve, Throttle                 | 1        |

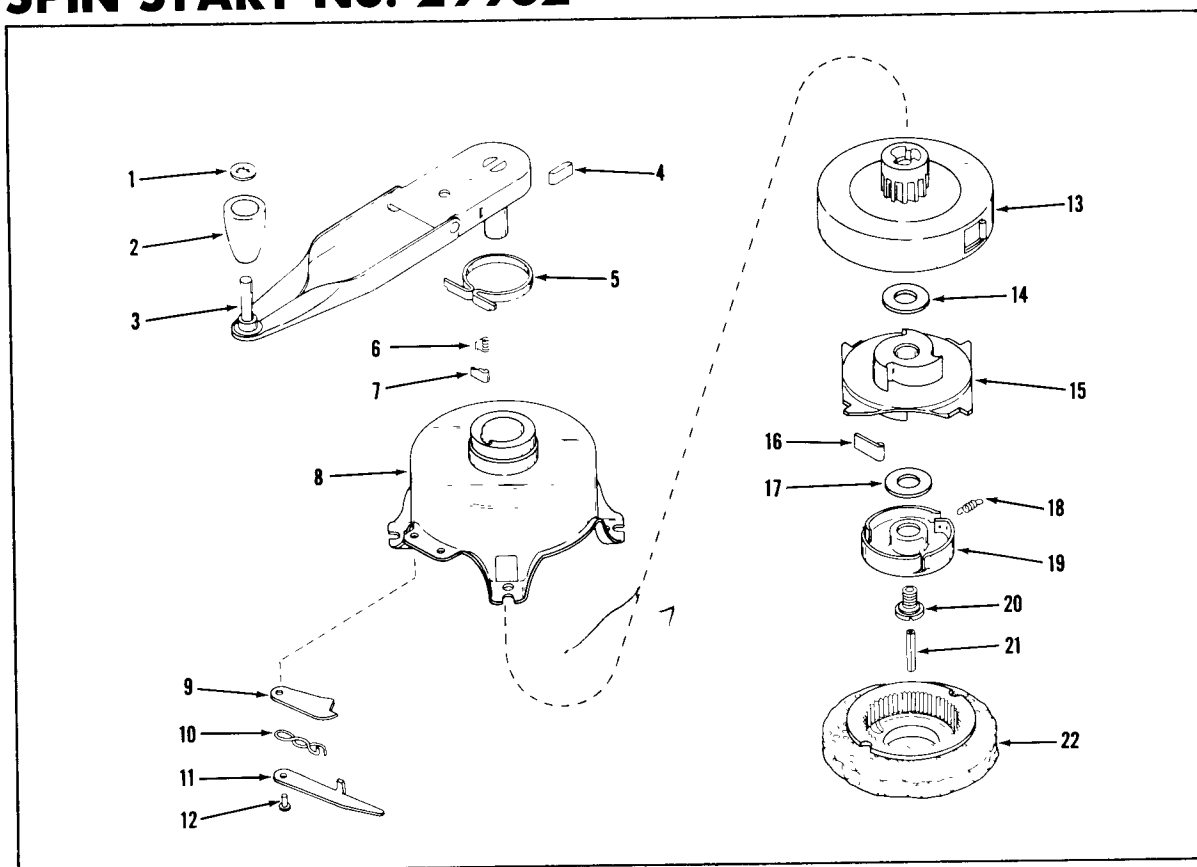
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## CARBURETOR No. 29237 PARTS LIST (Cont'd.)

| Ref. No. | Part No. | Description                                | No. Used |
|----------|----------|--------------------------------------------|----------|
| 4        | 28637    | Shaft Assy, Choke                          | 1        |
| 5        | 27787    | Spring, Choke Shaft                        | 1        |
| 6        | 630605   | Screw, Throttle Adjust.<br>No. 10-32 x 5/8 | 1        |
| 7        | *27112   | Needle, Idle                               | 1        |
| 8        | 27114    | Spring, Throttle & Idle<br>Needle          | 2        |
| 9        | 29238    | Body Assy, Carburetor                      | 1        |
| 10       | 28924    | Valve, Choke                               | 1        |
| 11       | *27109   | Gasket, Body-to-Bowl                       | 1        |
| 12       | 27108    | Gasket, Float Valve Seat                   | 1        |
| 13       | *29154   | Valve, Seat & Gasket<br>Matched Float      | 1        |

| Ref. No. | Part No. | Description                          | No. Used |
|----------|----------|--------------------------------------|----------|
| 14       | 27105    | Float Assembly                       | 1        |
| 15       | *27106   | Shaft, Float                         | 1        |
| 16       | 27136    | Stem & Gasket Assembly<br>Bowl Drain | 1        |
| 17       | 29170    | Bowl & Drain Assy, Fuel              | 1        |
| 18       | 27137    | Spring, Bowl Drain                   | 1        |
| 19       | 27138    | Retainer, Bowl Drain<br>Stem         | 1        |
| 20       | *27110   | Gasket, Bowl-to-Body                 | 1        |
| 21       | *28945   | Needle Assy, Power Adj.              | 1        |
| 22       | *27544   | Ring, "O"                            | 1        |
| 23       | 29155    | Repair Kit (Incl. Items<br>Marked *) | 1        |

## SPIN START No. 29932

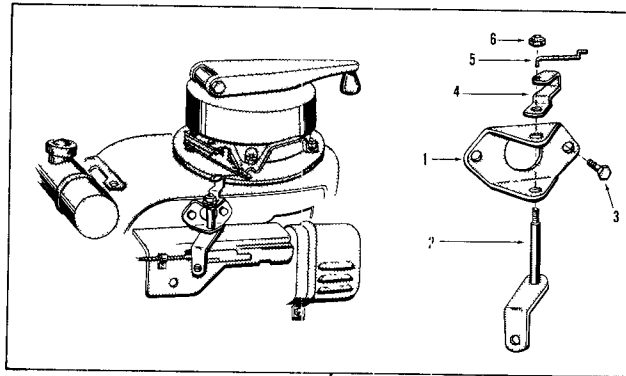


| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 1        | 29227    | Fastener, Handle       | 1        |
| 2        | 29228    | Knob, Starter Handle   | 1        |
| 3        | 29950    | Handle Assembly        | 1        |
| 4        | 29936    | Dog, Wind              | 1        |
| 5        | 29935    | Band, Brake            | 1        |
| 6        | 29938    | Spring, Lock Dog       | 1        |
| 7        | 29937    | Dog, Lock              | 1        |
| 8        | 29949    | Housing Assy., Starter | 1        |
| 9        | 29944    | Lever, Release         | 1        |
| 10       | 29943    | Spring, Release Lever  | 1        |
| 11       | 29945    | Lever, Trip            | 1        |

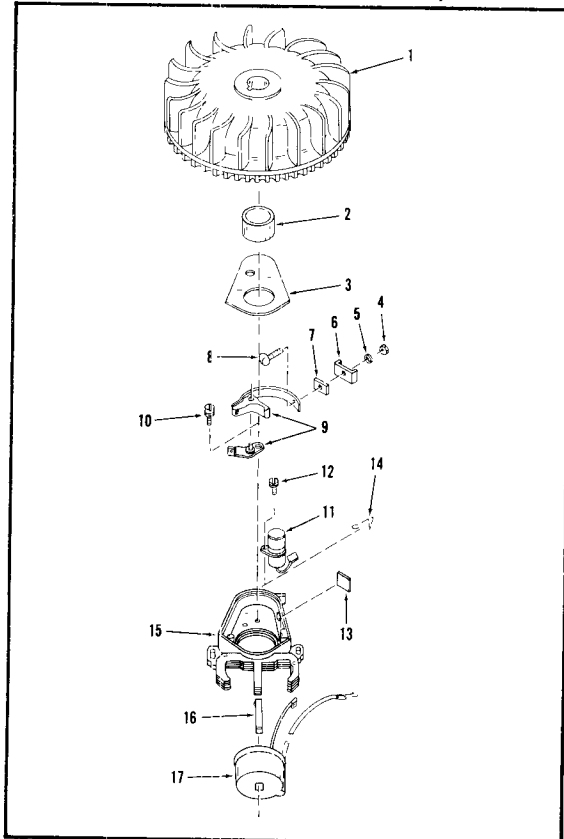
| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 12       | 29946    | Stud, Release Lever       | 1        |
| 13       | 29948    | Spring and Keeper         | 1        |
| 14       | 29941    | Washer, Bearing           | 1        |
| 15       | 29947    | Hub and Cover             | 1        |
| 16       | 590148   | Dog, Starter              | 3        |
| 17       | 29734    | Washer, Thrust            | 1        |
| 18       | 29940    | Spring, Retainer          | 1        |
| 19       | 29942    | Retainer                  | 1        |
| 20       | 29733    | Screw, Brake, (Left Hand) | 1        |
| 21       | 29736    | Pin, Centering            | 1        |
| 22       | 29939    | Hub & Screen              | 1        |

## REMOTE CONTROL LINKAGE

| Ref. No. | Part No. | Description    | No. Used |
|----------|----------|----------------|----------|
| 1        | 3-2832   | Attach Bracket | 1        |
| 2        | 3-2860   | Lever Assembly | 1        |
| 3        | 32104-63 | Screw          | 2        |
| 4        | 3-2861   | Crank          | 1        |
| 5        | 3-2835   | Link           | 1        |
| 6        | 32127-40 | Nut            | 1        |

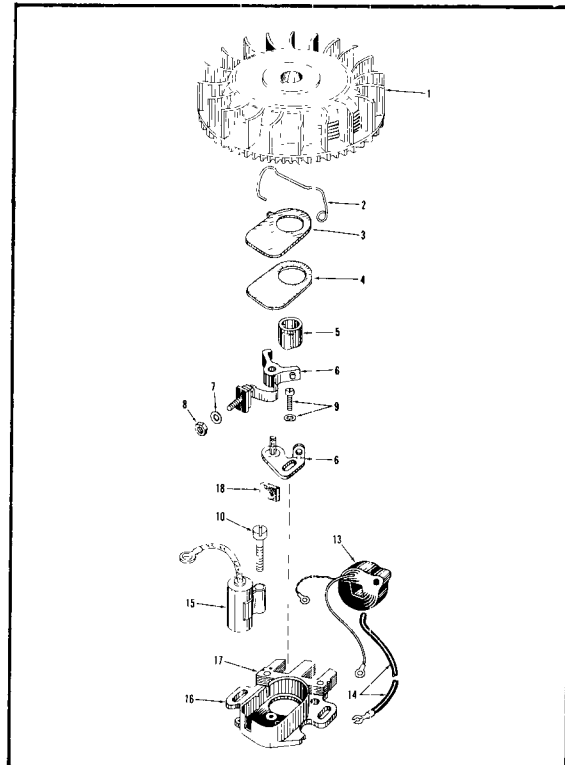


## MAGNETO No. 29162 (Wico FW-2617)



| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 1        | 29165    | Flywheel                | 1        |
| 2        | 29166    | Cam, Breaker            | 1        |
| 3        | 29163    | Cover, Breaker Box      | 1        |
| 4        | 7962     | Nut, Hex No. 6-32       | 1        |
| 5        | 8263     | Lockwasher, Split No. 6 | 1        |
| 6        | 27523    | Insulator, Outside      | 1        |
| 7        | 27524    | Insulator, Inside       | 1        |
| 8        | 27525    | Stud, Connecting        | 1        |
| 9        | 27526    | Contact Assy, Breaker   | 1        |
| 10       | 25524    | Screw & Lockwasher      | 1        |
| 11       | 29164    | Condenser               | 1        |
| 12       | 610435   | Screw & Lockwasher      | 1        |
| 13       | 25525    | Felt, Cam Wiper         | 1        |
| 14       | 27529    | Spring, Cover           | 1        |
| 15       | 29167    | Plate, Stator           | 1        |
| 16       | 27528    | Spring, Coil Wedge      | 1        |
| 17       | 27531    | Coil & Lead Wires       | 1        |

## MAGNETO No. 29172 (Phelon F-32206)



| Ref. No. | Part No. | Description             | No. Used |
|----------|----------|-------------------------|----------|
| 1        | 29173    | Flywheel                | 1        |
| 2        | 27959    | Spring, Breaker Box     | 1        |
| 3        | 29180    | Dust Cover              | 1        |
| 4        | 29179    | Cover, Breaker Box Dust | 1        |
|          |          | Gasket, Breaker Box     |          |
|          |          | Dust Cover              | 1        |
| 5        | 29178    | Cam, Breaker            | 1        |
| 6        | 610478   | Breaker Assembly        | 1        |
| 7        | 610385   | Washer, Terminal        | 1        |
| 8        | 610408   | Nut, Terminal           | 1        |
| 9        | 29181    | Screw & Washer Assy.    | 1        |
|          |          | Breaker                 |          |
| 10       | 610593   | Screw, Condenser Fast.  | 1        |
| 13       | 29176    | Coil Assembly           | 1        |
| 14       | 27950    | Wire Ignition Lead      | 1        |
| 15       | 29177    | Condenser               | 1        |
| 16       | 29175    | Core & Plate Group      | 1        |
| 17       | 29174    | Stator Assembly         | 1        |
| 18       | 27956    | Felt, Cam Wiper         | 1        |

# SPECIFICATIONS

ENGINE: Toro TE - 2-2001, Spin starter

ENGINE SHROUD: Rigid Polyethylene

FUEL TANK CAPACITY: 1 quart

CUTTER BLADE: 20-7/8" long. Hardened high carbon steel, positive attachment with one fastener.

TRACTION CLUTCH: Hand operated lever and control wire system mounted on upper handle which operates spiral jaw clutch in gear case on drive shaft.

FRONT WHEEL TRACTION DRIVE: 3L section V-belt from 1.6 P.D. pulley on crankshaft to 1.85 P.D. pulley on idler shaft. 3L section V-belt from 1.6 P.D. pulley on idler shaft to 1.85 P.D. pulley on worm shaft. (1.34:1 reduction from engine to gear case.)

GEAR CASE: Die cast aluminum case. Hardened and polished 4 thread steel worm supported by ball and needle bearings and bronze bushings (6.25:1 reduction).

WHEEL REDUCTION: 14T Stressproof steel pinions on drive shaft supported by double sealed ball bearings to 42T laminated steel external spur gears riveted to wheel (3:1 reduction).

REDUCTION, ENGINE TO WHEELS:  
25.07:1

WHEELS: #18 ga. Steel disc with oil impregnated powered metal bushings.

TIRES: Semi-pneumatic 8x1.75 Toro tread.

GROUND SPEED: 3.0 MPH at 3200 engine rpm.

HEIGHT OF CUT: 1/2" to 3" by moving wheels, with hand operated levers.

THROTTLE CONTROL: Control wire and casing. Operating lever mounted to upper handle. Stop, run, and choke positions. Impulse start engines equipped with positive mechanical interlock between starter release and throttle control.

WIDTH OF CUT: 21"

HOUSING: Die cast aluminum alloy, spiral grass chamber, right hand discharge. Symmetrical wheel location, hinged chute deflector.

HANDLE: 3/4" O.D. x 16 ga. welded steel tubing in two separable halves. Plastic grips. No tool, positive handle height adjustment.

## DIMENSIONS:

Width 24 1/2"

Length 32 1/2" w/o handle, wheels set

Height 16" at 1" cut.

WEIGHT: 71 pounds.

## STANDARD EQUIPMENT:

Bagging kit

- Grass bag assembly

- Bagging attachment

- Bag hanger

Anti-scalp dish

# Warranty

The Manufacturer warrants each new piece of equipment sold to be free of defects in material and workmanship. For ninety (90) days from the purchase date, Toro Manufacturing Corporation will repair or replace for the original purchaser, free of charge, through any Authorized Service Dealer, any part or parts found at our factory in Minneapolis, Minn., to be defective under normal use and service.

This Warranty does not obligate the Manufacturer to bear the cost of transportation charges in connection with the replacement or repair of

defective parts -- nor shall it apply to a machine upon which repairs or alterations have been made, unless authorized by the manufacturer.

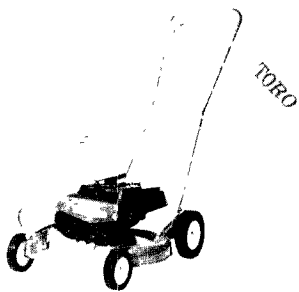
This Warranty does not include nor cover standard accessories produced by other manufacturers. Such accessories have separate warranties by their respective manufacturers. . . . . and repair or exchange will be made on the basis of such warranties, and the policies authorized by them shall be adhered to.

This warranty is in lieu of all other warranties expressed or implied.

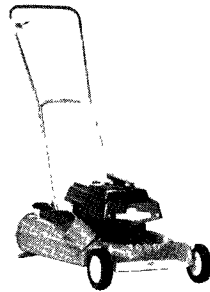
# TORO POWER MOWERS

Toro power mowers and Power Handle implements are designed and built to give years of precision performance . . . to make them "the best you can buy." And there's over 40 years of manufacturing experience to back them up. One of Toro's most important objectives — and one which has

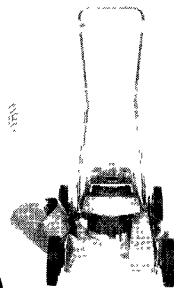
helped make Toro the world's largest manufacturer of power mowers — is to provide the customer with complete local service and parts. This Toro has done through an extensive chain of service dealers, factory-trained to give you the most careful, competent care for your Toro work-saver.



19" ROTARY



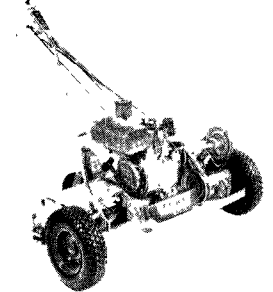
21" HAND PROPELLED ROTARY



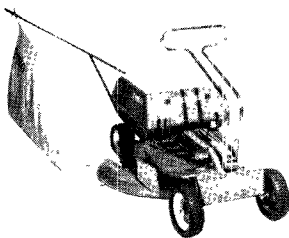
21" SELF-PROPELLED ROTARY



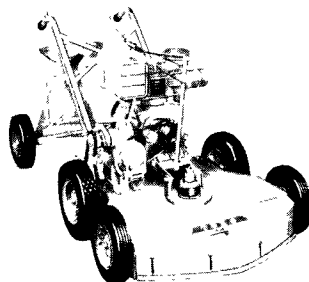
21" SPORTLAWN



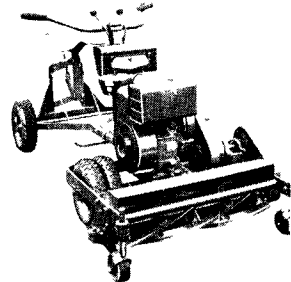
30" STARLAWN



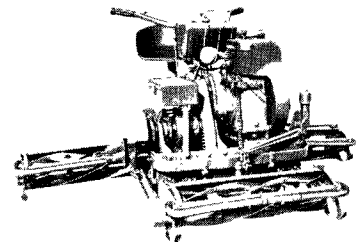
25" PONY



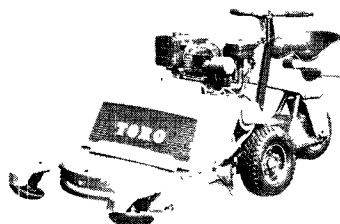
31" GRASSKING



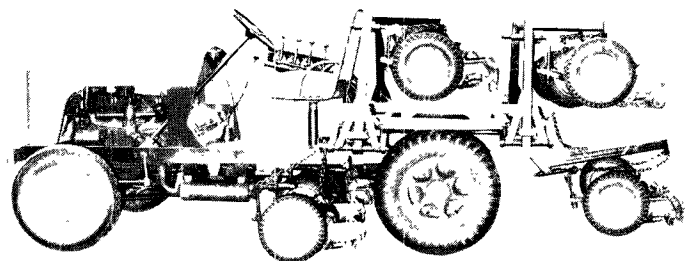
30" PARK SPECIAL



76" PROFESSIONAL



32" SELF-PROPELLED ROTARY



7 UNIT HYDRAULIC PARKMASTER

Reel Mower or Rotary Mower . . . Self Propelled or Riding Mower . . . Whatever your preference in Power Mowers, Toro makes a model to fit your needs. Choose from Toro's complete line of fine mowing equipment.

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TORO MANUFACTURING CORPORATION - Minneapolis 6, Minnesota, U.S.A.

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