

# TORO

## OWNER'S OPERATING AND PARTS MANUAL



*24" S.P.*

SERIAL NOS. 25006-101 AND UP

Price 25 cents

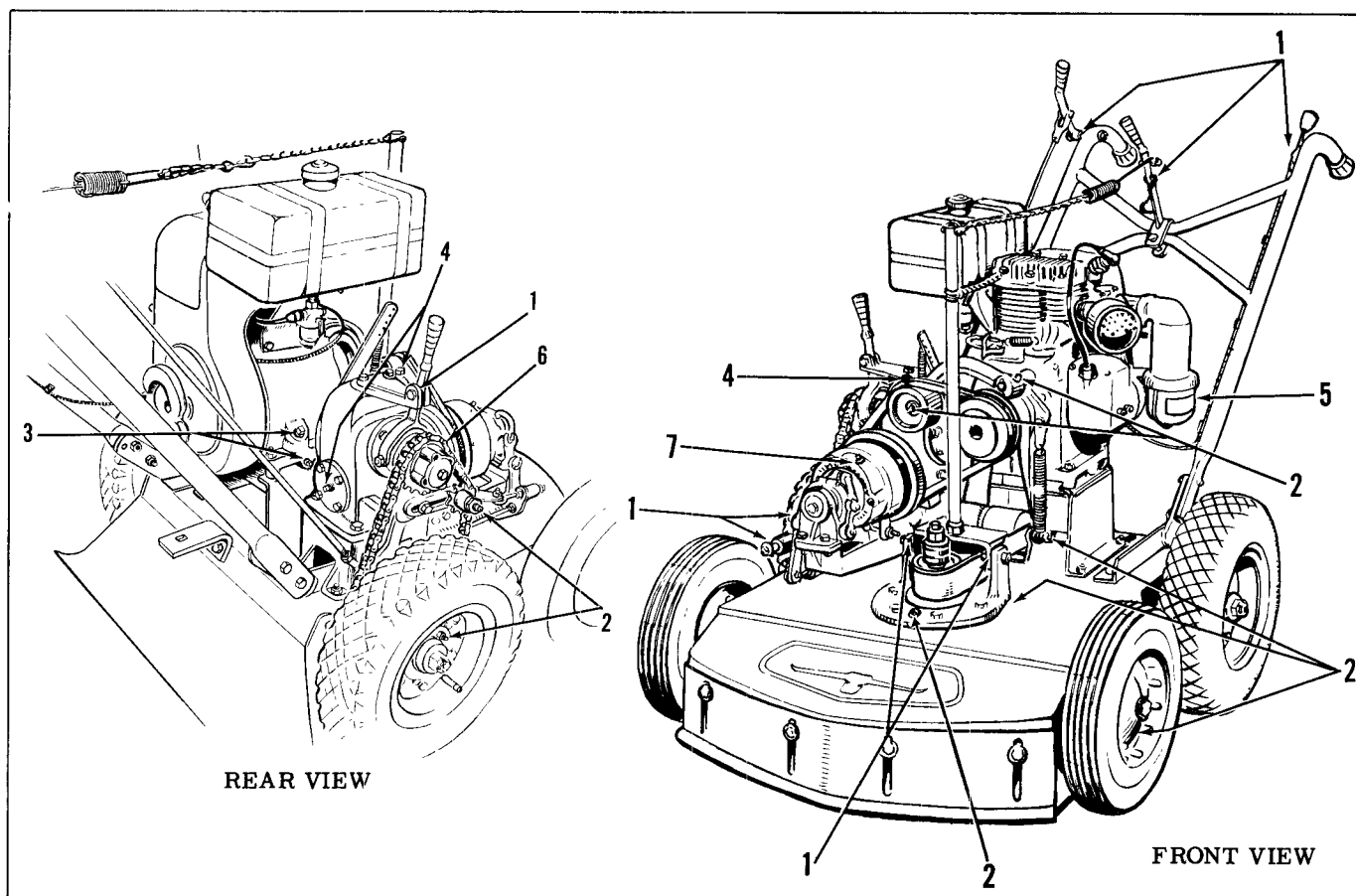


# TO THE TORO OWNER

This Owner Manual has been especially prepared for your information and guidance in the operation and care of your new Toro 24" Rotary.

Properly operated and maintained, this Toro 24" will respond quickly and easily to every reasonable demand and give years of reliable service.

Toro 24" mowers are manufactured by an organization of mowing machinery specialists. Each machine is carefully inspected and tested before leaving the factory. For best performance from your Toro 24" Rotary, study this manual for regular maintenance procedures.



1. PIVOT POINTS AND CONTROL CASING: Use lubricating oil, oil daily.
2. ZERK FITTINGS: Use a good grade of gun grease; grease after every 48 operating hours. CAUTION: Do not use too much grease. Two or three shots from gun is ample.
3. ENGINE: Use a good grade of S. A. E. #20 motor oil; check oil level after every four hours of running. If oil is below filler opening, fill up to proper level. Study engine manual for further instructions.
4. SPEED REDUCER: Use a good grade of S. A. E. #140 gear oil. Check oil level of the speed reducer twice a season. Remove small plug on bearing cap. If oil flows out, no more is needed. If no oil flows, remove filler plug on top of reducer housing and add oil to bring it up to the proper level. To drain, remove top plug and drain plug. (Not oil level plug)
5. AIR CLEANER: Fill to level mark. Use a good grade of S. A. E. #20 motor oil; change after each 25 operating hours, more often under dusty conditions. Study engine manual for further instructions.
7. REVERSE ATTACHMENT: Use a good grade of S. A. E. #140 gear oil; check periodically. To fill reverse housing, turn pipe plug to top, remove lower plug to check oil level. Remove top plug and fill till oil runs out of lower hole. To drain, remove both plugs and turn one to bottom.

# SPECIFICATIONS

ENGINE: Wisconsin AKN, 6 H. P. at 3200 R. P. M.  
and Wisconsin BKN

FUEL TANK CAPACITY: 1 gallon

CUTTER BAR CLUTCH: Tight slack flat belt

TRACTION CLUTCH: Rockford #LMS-114 Disc and  
jaw type clutch on speed reducer output.

CUTTER BAR DRIVE: 1-1/4" flat belt on 3" O. D.  
pulleys from engine.

CUTTER BAR: 3/8" thick arm with hardened blades  
riveted to ends. 24" long assembled.

TRACTION DRIVE: "A" Section Industrial heavy duty  
"V" belt on 2.76 P.D., 3.63 P.D. or 4.32 P.D. engine  
pulley to 6.32 P.D., 5.32 P.D. or 4.76 P.D. pulley on  
speed reducer. 5/8 pitch x 1/4" wide roller chain on  
17 T. and 48 T. sprockets from speed reducer.

REDUCTION, ENGINE TO WHEELS: 64.2:1, 41.1:1,  
or 31:1, depending on pulley groove selected, in-  
cluding 10:1 reduction in speed reducer.

WHEELS: #14 Ga. Steel Disc

TIRES: Front - 12 x 3.00 Semi Pneumatic  
Rear - 4.00 x 7 Pneumatic

DIFFERENTIAL: Enclosed, Bevel gear

GROUND SPEED: 2 MPH, 3 MPH or 4 MPH, depend-  
ing on engine pulley groove selected.

HEIGHT OF CUT: 1" to 4" adjusted by spacers on  
cutter bar shaft.

WIDTH OF CUT: 24"

HOUSING: Fabricated of 3/16" steel plate and welded  
into one unit. Adjustable front guard. Hinged rear  
guard.

HANDLE: 1 1/4 O.D. x #13 Ga. welded steel tubing.

DIMENSIONS: Width 32"  
Length 60" Including handle  
Height 36"

WEIGHT: 357 pounds w/o reverse  
387 pounds with reverse

OPTIONAL EQUIPMENT: Sulky, Leaf Mulcher,  
Reverse Unit, Wheel Weights and Electric Start (Bat-  
tery).

REVERSE UNIT: Enclosed bevel gear mounted on  
speed reducer input shaft.

Every piece of equipment is in perfect working condition before leaving the factory  
and will, when properly operated, perform the work for which it is recommended.

Should any parts, within three months from date of purchase, prove defective, new  
parts will be furnished, free of charge, f.o.b. factory, if the broken parts are returned  
to us for inspection.

We reserve the right to make improvements and changes in the machine in this  
manual without notice.

## IMPORTANT ORDERING INSTRUCTIONS

Repair parts are available from your TORO  
distributor or service dealer.

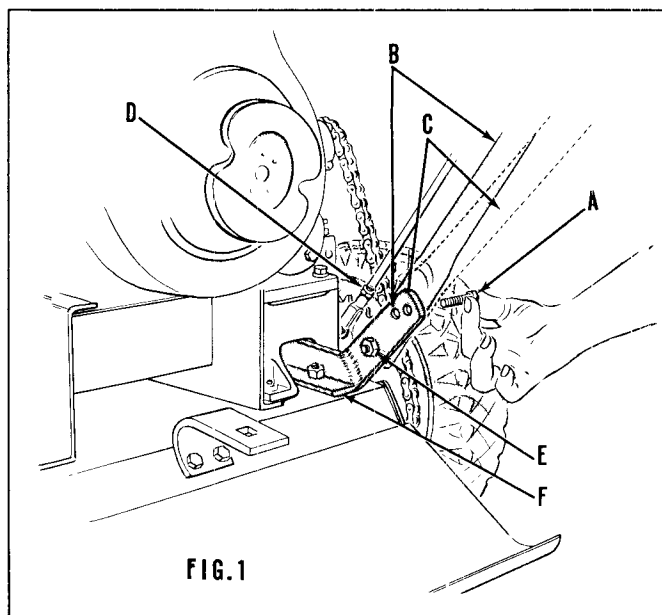
To insure getting correct parts without delay,  
please furnish the following information:

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.

# — OPERATING INSTRUCTIONS —

## HANDLE

The screws for mounting the handle to your new 24" S.P. will be found in the plastic bag attached to the mower.



In Figure 1 you will note that there are three holes in the handle bracket "F." First insert the pivot screw "E" as shown. Then there are the two height adjustment holes "B" and "C." By placing screw "A" into the upper hole "C" the handle will be in the low position; if inserted into the lower hole "B" the handle will be in the high position. Set the handle at the most convenient height and tighten the screws securely.

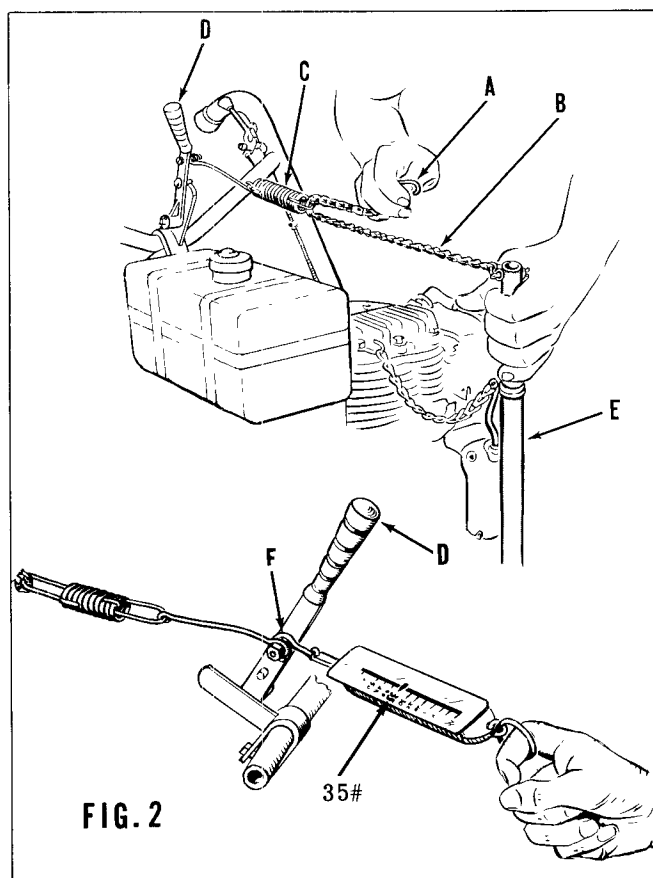
Clutch rod "D" is used to connect the clutch rod handle to the lever arm on the mower. **IT IS IMPORTANT THAT ITS LENGTH BE PROPERLY ADJUSTED TO SUIT THE HANDLE HEIGHT YOU HAVE SELECTED.** Lock cotter key after checking clutch lever rod adjustment.

If at anytime it is desired to change the height of the mower handle, disconnect the clutch rod "D" in Figure 1 from the clutch lever arm, loosen the four screws holding the handle to the brackets and set the handle in its new position. Then tighten the screws again. Then the clutch rod "D" must be adjusted to a new length.

## THROTTLE CONTROL

The throttle wire and casing, with finger lever attached, will be found wrapped around the engine. **UNWRAP CAREFULLY SO AS NOT TO KINK IT.** Attach the throttle control lever to the mower handle, using the 2 screws and lockwashers found in the plastic bag attached to the mower. Down the handle are three tapped holes. Attach the screws and clips found in the bag and place the control wire casing under the clips and tighten the screws. The loop in the casing from the handle to the engine should not be kinked.

## FLAT BELT ADJUSTMENT



The cutter control lever "D" (see Figure 2) is mounted on the cross bars of the mower handle. Unfasten the chain from the position in which it is shipped, leaving it attached to the rod "E" that extends vertically from the flat belt tensioner frame. Move the cutter control lever "D" as far forward as it will go. Then fasten spring hook extension to cutter control handle "D" with screw and 2 nuts provided, in such a manner that the spring hook extension is free to pivot.

You are now ready to adjust the tension on the flat belt. The tension should be sufficient to provide minimum slippage of the flat belt. Excessive slip will be indicated by squealing and/or smoking of the flat belt at the engine pulley. The hook "A" in Figure 2 should be adjusted on Chain "B" so that it requires a force of 30 to 35 pounds to pull control lever "D" over center, as measured with a spring scale pulling on pin "F." This adjustment will have to be repeated from time to time to compensate for stretching of the belt or change in handle height.

With the engine running at moderate speed, pull up slowly on the cutter control lever "D." As the cutter picks up speed, increase the pull and lock the bar in its operating position. Do not make this engagement too rapidly or the belt is liable to slip and burn on the engine pulley. **BE SURE TO RELEASE TENSION ON BELT WHEN MOWER IS NOT IN USE.**

# — OPERATING INSTRUCTIONS —

## BEFORE STARTING THE MOWER

Pull clutch rod handle back and release. Release jaw clutch above chain drive.

See that the cutter control bar is in forward, on "off" position, with the flat belt slack on pulleys.

Fill gasoline tank with REGULAR, clean gasoline. (See that gasoline valve below tank is open).

**TO START ENGINE** open throttle about half way, using lever on the left handle grip. When the engine is cold, it is necessary to choke the engine entirely for one full pull on the starting rope. Set choke about half way and the engine should start on the next try. When the engine starts, gradually move the choke back until the engine runs smoothly. Do not crank the engine with full choke too long, as this will flood the engine, and make it harder to start. Do not run engine partly choked for any length of time, as this will cause the engine to run too hot. A few trials will show you the best way to get the engine running smoothly. To stop the engine, press stop switch until engine stops.

## MOWING

It is best to run the mower at first without the cutter in operation so as to become familiar with how the mower operates.

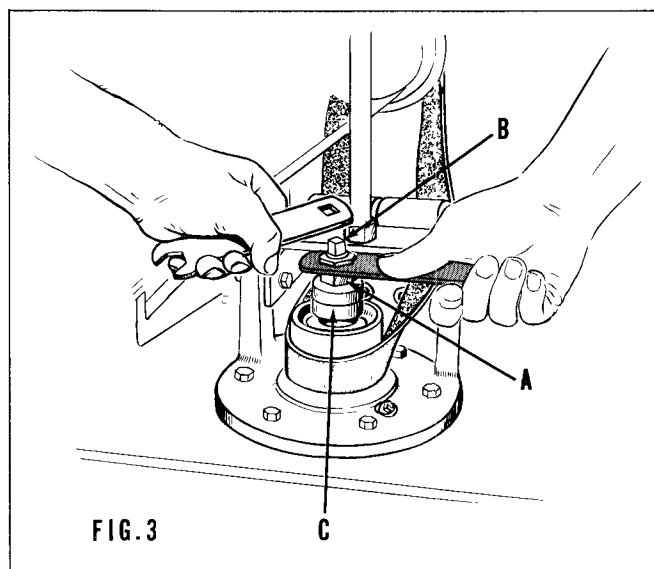
To control the engine speed, raise or lower the control lever at the left handle grip. With engine running at somewhat reduced speed, slowly move clutch rod handle forward until mower starts to move at the same time increasing the engine speed as necessary to keep the engine from stalling, then move the clutch handle all the way forward into the operating position. Control the speed of the mower by means of the throttle control as desired. In making turns, reduce the speed somewhat and bear down slightly on the handle so that the front wheels can slide sideways over the grass. When making a "U" turn, it is best to disengage the clutch and allow the machine to coast through the turn, then gradually engage clutch again after turn is completed. To stop the mower, disengage the clutch some distance from the stopping point and allow mower to coast to a stop. Always engage the clutch gradually in starting, and hold up on the mower handle a little to prevent the front end of the machine from bobbing up. A little practice as described above will make the handling of the mower easy and simple.

YOU ARE NOW READY TO CUT GRASS

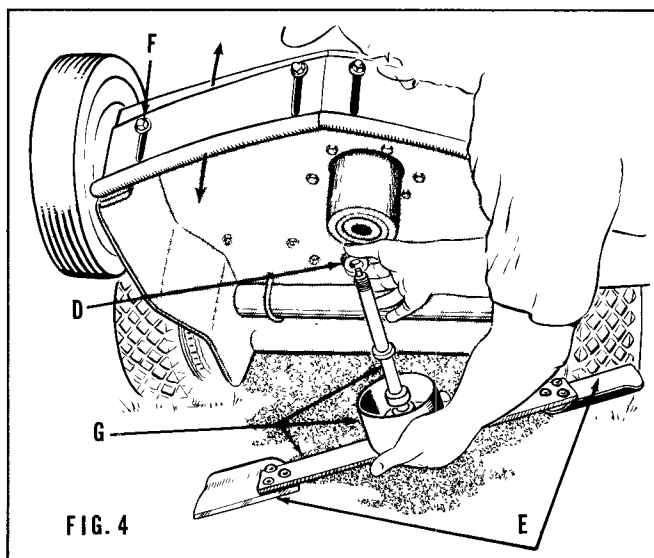
## SETTING THE HEIGHT OF CUT

When your 24" S. P. leaves the factory, the cutter is set to cut at a 2 inch height for average conditions. The height of cut is adjustable from 1 to 4 inches. This is best accomplished by placing spacers "C" (See Figure 3) and spacers "D" (See Figure 4), either above or below the cutter shaft sleeve. For the highest cut, all spacers are placed above the sleeve. For the lowest cut, all spacers are placed below the sleeve. For intermediate settings, some spacers are below and some above as required. These spacers are 1/2

and 1/4 inch thick, so the variation in height of cut can be made in 1/4 inch steps.



To change the height of cut, first loosen nut "A" (See Figure 3) at upper end of cutter shaft, using the wrenches provided, then tip mower back until handle rests on the ground. Hold cutter arm and shaft "G" (Figure 4) and remove top nut "A" (Figure 3). The shaft can now be drawn down through the sleeve. Place the required number of spacers on the cutter shaft and replace shaft in sleeve. Put the balance of the spacers on shaft at top and replace top nut "A" by hand. Tip mower forward and tighten nut "A" securely.



## THE FRONT GUARD

The front guard is slotted to allow adjustment up or down according to the cutting height selected (See Figure 4). It should be set so that its lower edge is about 1/8 inch below the blade. This can be done by first turning the cutter arm until it points straight forward when the blade will be close to the guard. Then loosen the four holding screws (F) in the slots and set the guard at the desired height. Be sure that the screws are securely tightened.

# SERVICE INSTRUCTIONS

## CHANGING GROUND SPEED

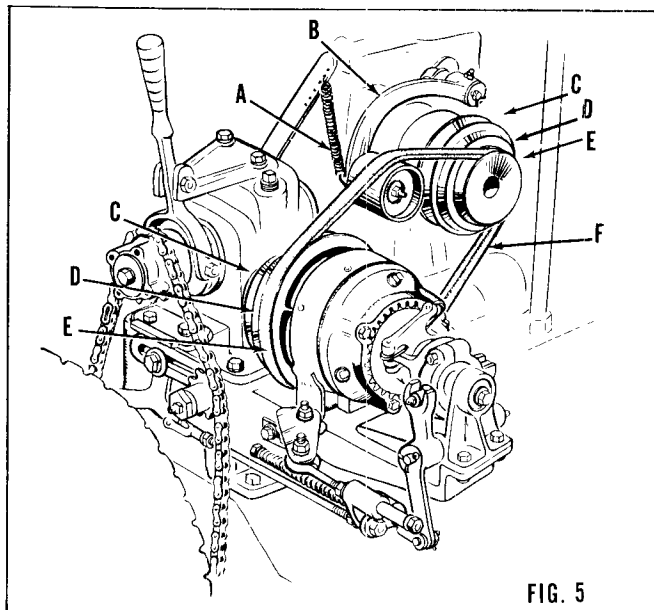


FIG. 5

Multi-groove pulleys are used to provide three optional ground speeds. (see Fig. 5). The grooves "C" nearest to the engine are for the higher speed, and the other grooves "D" and "E" are for the lower speed. To shift the "V" belt "F" (see Fig. 5) from one speed to the other, disconnect spring "A" attached to the idler arm "B". Turn idler arm "B" up out of the way and remove belt "F" first from the reducer pulley and then from the engine pulley. Place belt "F" in the other groove selected of the reducer pulley and then slip it into the corresponding groove of the engine pulley. Re-connect tension spring "A" to the idler arm "B". Adjust spring tension for minimum slippage of "V" belt.

## REPLACING "V" BELT

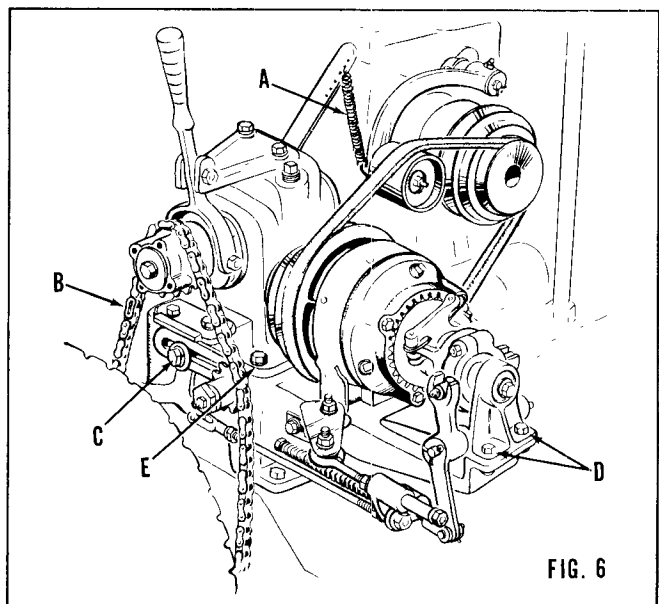


FIG. 6

To replace the "V" belt on your 24" S. P., first cut off the old belt, then remove chain "B" (see Fig. 6). Next loosen the two screws "D" that hold the bearing block to the speed reducer base. Next step is to remove the crank bracket "C". Then remove the four screws "E" that secure the housing to the speed reducer base. Then unhook spring "A" from the spring anchor. Now lift the housing off the base and install the new "V" belt by slipping it over the housing.

Make certain when replacing belt that the pulleys are lined up properly and that the idler assembly does not jump when the machine is running.

## TRACTION DRIVE ADJUSTMENT

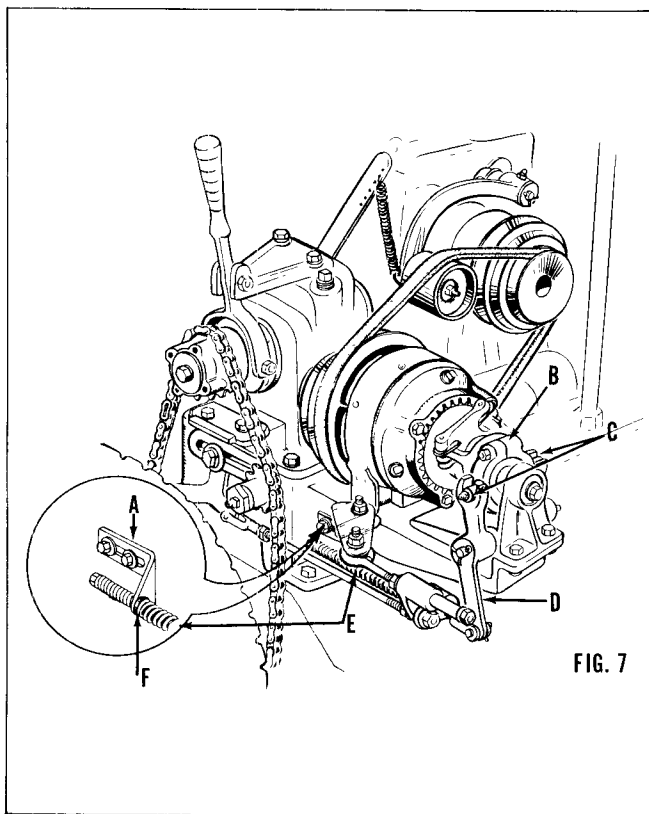
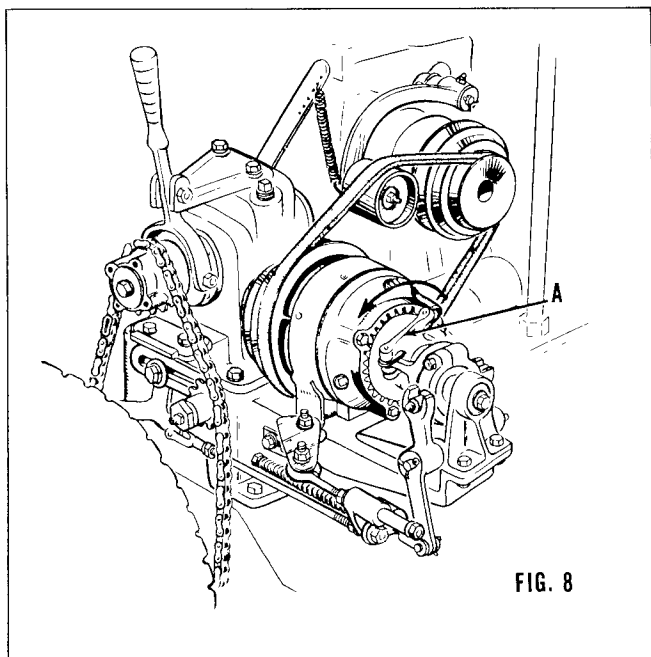


FIG. 7

The traction drive mechanism has been adjusted at the factory. Additional adjustments will be necessary to compensate for wearing of moving parts. In Fig. 7 be sure bracket "A" is positioned so there is approximately a  $\frac{1}{16}$ " gap between bracket "A" and the cut washer just behind spring "E" at point "F", when the clutch is in the disengaged position. This adjustment should allow free movement of release bearing "B" in openings of clevis "D" at point "C". If binding should occur at points "C" a slight readjustment at point "F" will be necessary.

# SERVICE INSTRUCTIONS

## CLUTCH ADJUSTMENT



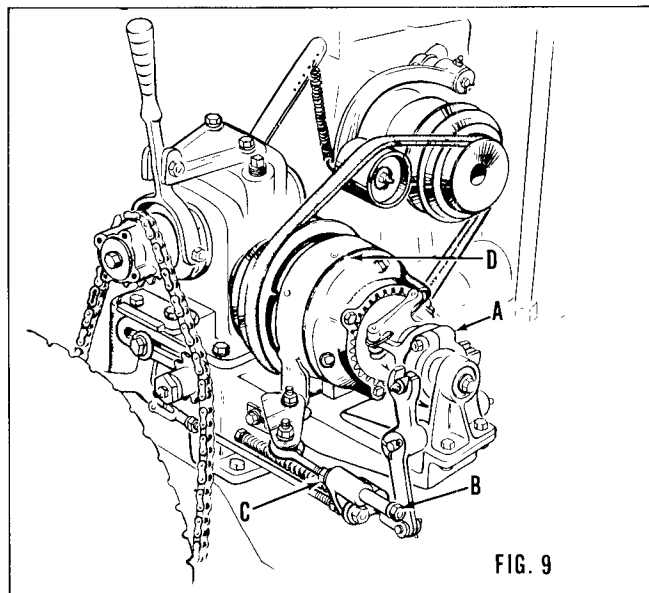
When your 24" S. P. leaves the factory, the clutch itself is properly adjusted. To make an overall check, throw the clutch rod handle forward until the clutch locks in its operating position. Pull the mower backward a few inches. If the wheels skid, the adjustment is correct. If the clutch slips, allowing the wheels to turn, adjust the clutch as follows: Loosen setscrew "A" (see Fig. 8) in the roller lever spider of the clutch. Turn the spider counter-clockwise (as shown by arrow in Fig. 8) about a  $\frac{1}{4}$ " turn, tighten setscrew "A" and recheck. Make further adjustment as needed to stop the clutch from slipping.

**CAUTION:** Be careful to set the clutch only tight enough to prevent slipping. After a new mower has been in use for a short time, a readjustment of the clutch will be necessary to take up the "run in" wear on the friction discs. From time to time after that, it will be necessary to make additional adjustments to take up the normal wear on the discs. It is best to make the "over-all" check, as described above each time the mower is used. This can be done in a few moment's time and will greatly prolong the life of the discs.

CONTACT YOUR LOCAL  
TORO DEALER  
FOR REPAIR PARTS,  
MOWER SERVICE AND  
LAWN CARE INFORMATION

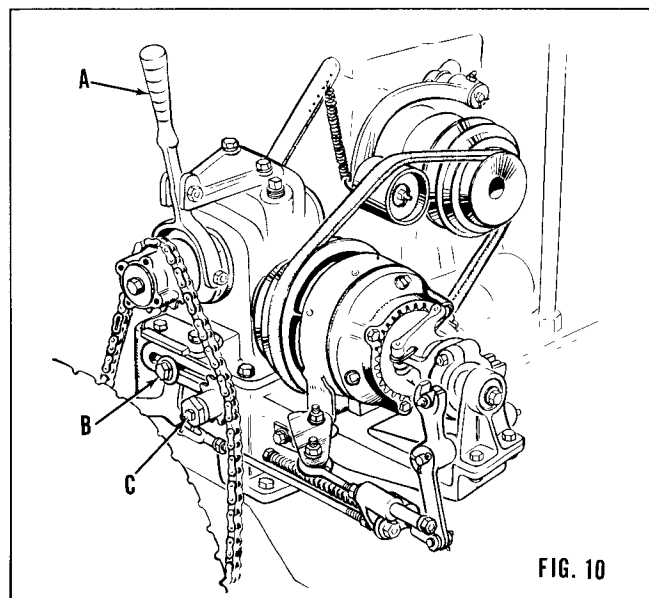


## BRAKE BAND ADJUSTMENT



Release clutch "A" (see Fig. 9) and adjust sleeve by releasing nut "B" to allow  $\frac{1}{16}$ " clearance at "C" (See Fig. 9). On the engine side of the brake band "D" are two nuts for adjusting tension of the brake band. This band should be moved up tight and then released until there is no drag on the reverse mechanism with the control handle in a neutral position.

## CHAIN ADJUSTMENT



To adjust chain tension, (see Fig. 10) release clutch lever "A" put block under axle to raise right rear wheel off of the ground; loosen bolt "B" and move idler sprocket "C" forward until chain is snug. Tighten bolt "B" by hand, turn wheel over to make sure the chain does not bind in any position. Then tighten bolt "B" securely.

# SERVICE INSTRUCTIONS

## CARE OF THE MOWER

Keep your mower clean. Remove accumulations of dirt and old grass, especially around moving parts. In this way you can watch for minor adjustments that may be needed, such as nuts, or screws that might work loose after a considerable period of use. Attention to this will prevent future trouble that might necessitate costly replacements. After the mower has been run a week or so, carefully tighten all screws and nuts.

Rear tires should be kept inflated to 35 pounds pressure.

## ADJUSTMENT OF DIFFERENTIAL

This is done by means of the axle nut. Block left hand wheel so that it cannot turn, and tighten nut until the gears bind and will not allow the wheel to spin freely. Back the nut off a little until the cotter pin can be inserted. (Note that there are two holes in the axle for the cotter pin. This allows a closer adjustment of the gears.) If the gears do not run freely, back the nut off a little more, using the other cotter pin hole if necessary. **IT IS IMPORTANT THAT THE GEARS BE KEPT IN PROPER ADJUSTMENT.** This can be easily and quickly checked by simply blocking up rear end of mower, and checking the back-lash in the right wheel when the left wheel is held stationary. If there is more than a very slight amount of back-lash, the gears should be adjusted.

## REPLACING FLAT BELT

When it becomes necessary to replace the flat belt, first remove "V" belt as described in the paragraph: "Changing Ground Speed." Be sure that the cutter is not engaged. Remove old belt from cutter pulley. Slip belt, one side at a time, out from the belt guides which are below the idler pulleys. **DO NOT PULL THE BELT OUT FORCIBLY, AS THIS MIGHT BEND THE GUIDES.** To put on the new belt, reverse the above operation being sure that the belt is between the guides and the pulleys, and that the inside surface of the belt is next to all pulleys.

## ENGINE

The cooling fan will suck in cut grass and some will become lodged between cooling fins. This must be removed to prevent damage to engine from overheating. For further engine care, please study your engine manual.

## SHARPENING CUTTER ARM BLADES

Always keep the blades on your cutter bar sharp, this will insure better performance and a cleaner cut.

Remove cutter arm and shaft from the mower as explained in the paragraph: "Setting the height of cut" and illustrated in Figures 3 and 4. Then unscrew left-hand nut at bottom of cutter shaft and remove cutter arm from shaft. To do this, hold squared top "B" (Figure 3) of shaft with wrench. When sharpening, it is best to hold the cutter bar in a vise if one is available. Otherwise place the cutter bar on any convenient solid support where it can be held stationary.

In filing the blades "E" (Figure 4), maintain the original angle of the cutting edge as closely as possible.

It is not necessary to file out all the small nicks that may have appeared in the edge as long as the edge in general is in a sharp condition. We wish to stress the following point: **BE SURE TO REMOVE THE SAME AMOUNT OF METAL FROM EACH BLADE TO PREVENT UNBALANCE! IF AN EMERY WHEEL IS USED FOR SHARPENING, CARE SHOULD BE EXERCISED SO THE CUTTING EDGES ARE NOT "BURNED" BY TOO RAPID GRINDING.**

## STORING MOWER

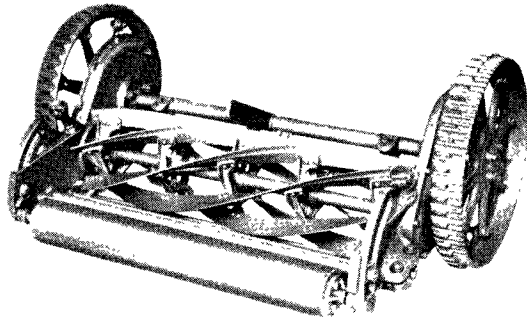
When storing your 24" S. P. over the winter or any long period, we recommend that you block up the machine to remove weight from the tires and release tension on all belts and springs.

**CAUTION:** Do not work on your mower while engine is running. We recommend you disconnect spark plug lead wire when working on cutter bar.

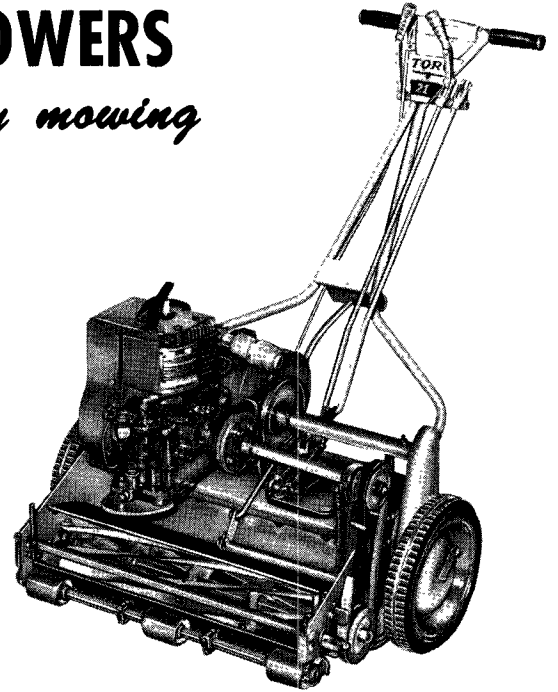


# TORO POWER MOWERS

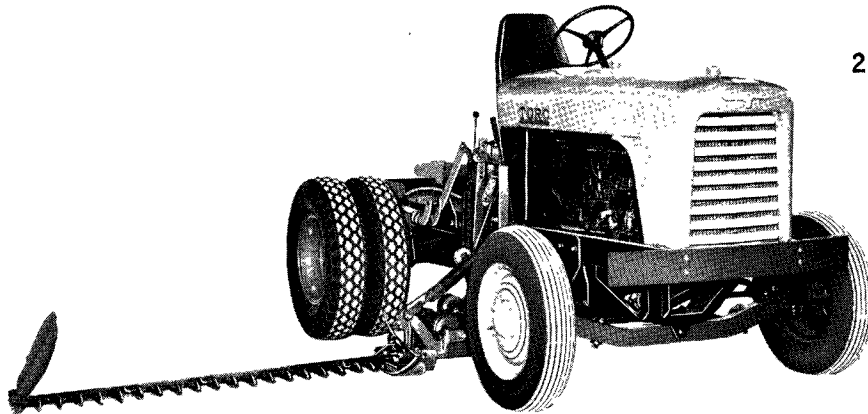
*Designed for heavy duty mowing*



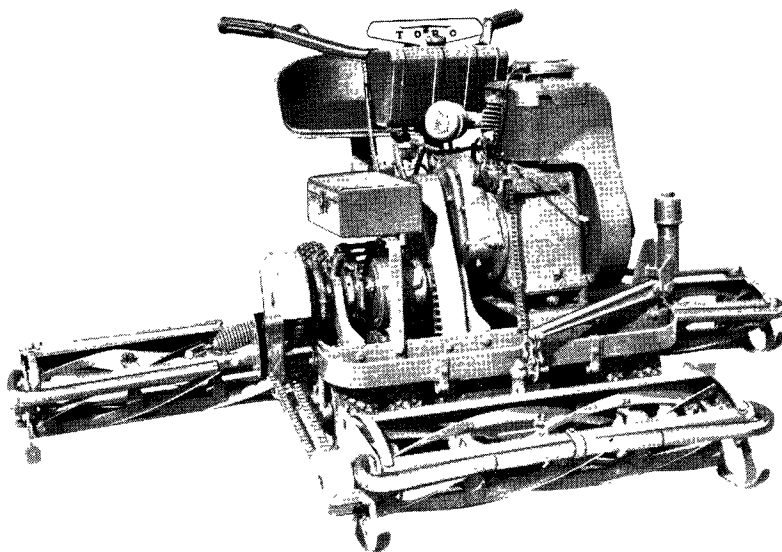
SPARTAN



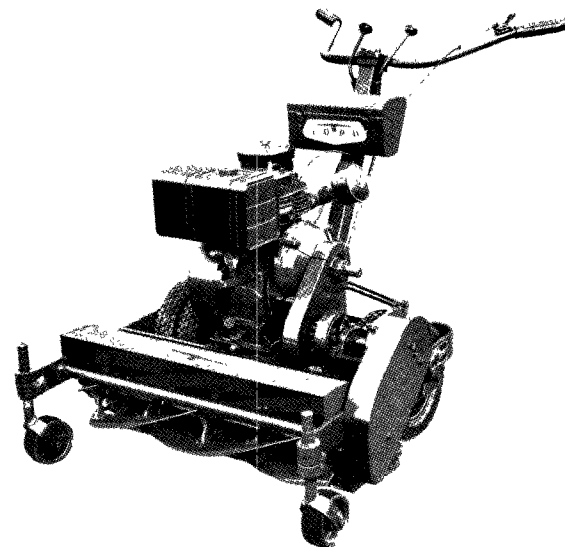
21" GREENSMOWER



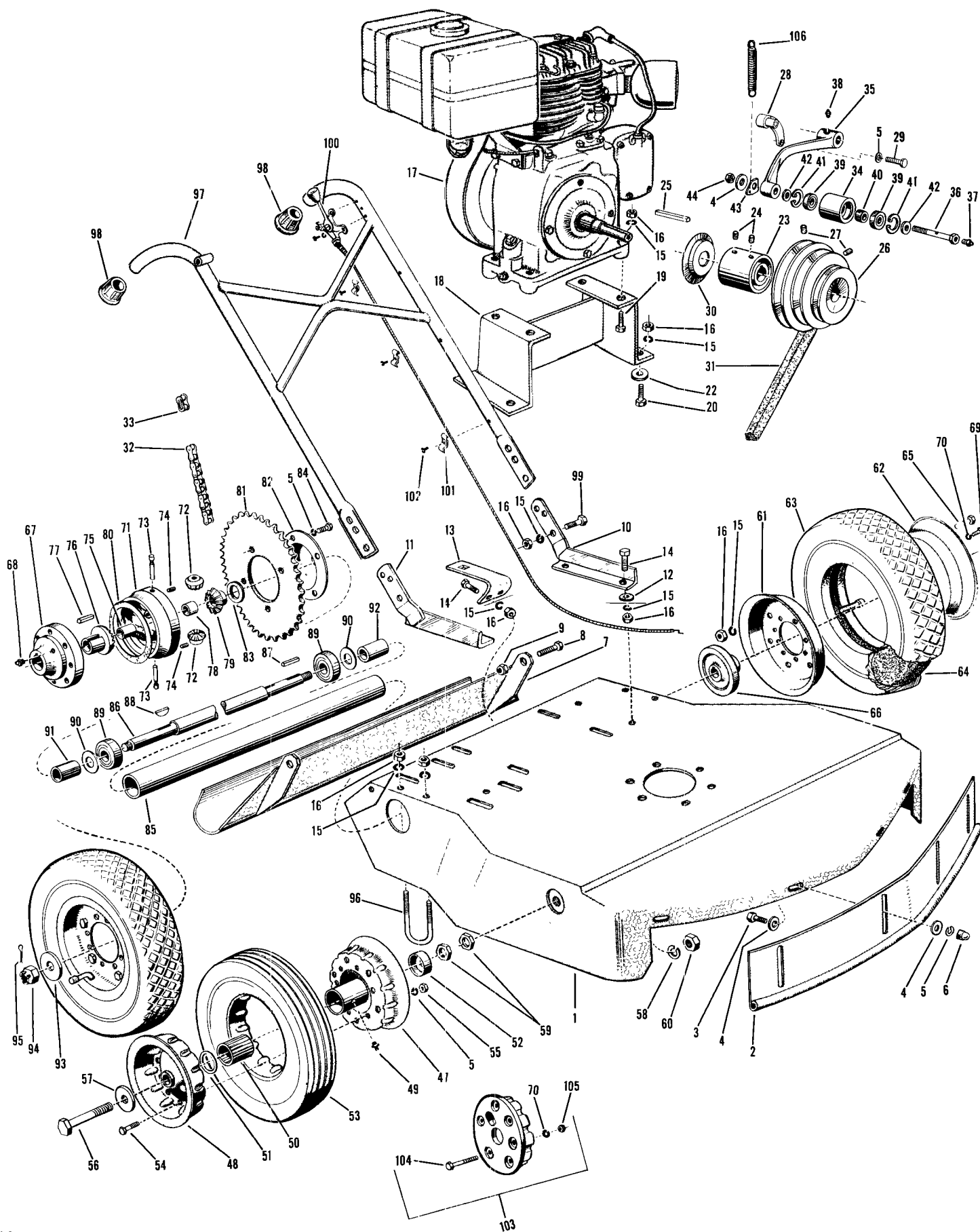
SERIES IV TRACTOR



76" PROFESSIONAL



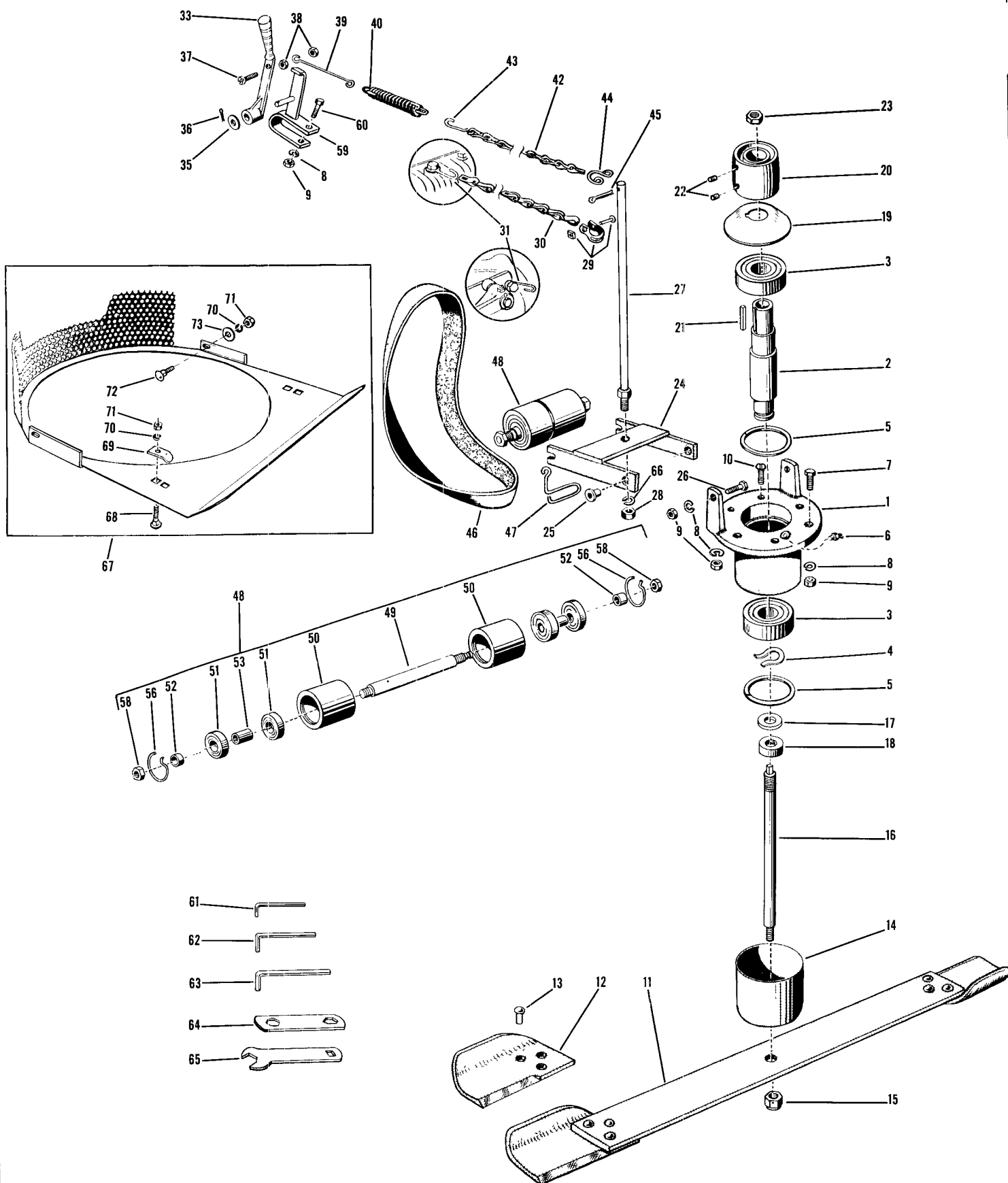
PARK SPECIAL  
SERIES II



# PARTS LIST

| Ref. No. | Part No.  | Description                    | No. Used | Ref. No. | Part No. | Description                                       | No. Used |
|----------|-----------|--------------------------------|----------|----------|----------|---------------------------------------------------|----------|
| 1        | WW-6656   | Main Frame                     | 1        | 55       | 3219-1   | Nut, 1/4" N.C. Full                               | 12       |
| 2        | WW-6660   | Front Guard                    | 1        | 56       | WW-5300A | Stub Axle                                         | 2        |
| 3        | 322-4     | Screw, 5/16" N.C. x 7/8"       | 4        | 57       | 3256-28  | Washer, 3/4" S.A.E.                               | 4        |
| 4        | 3256-3    | Washer, 5/16" Cut              | 9        | 58       | 3253-16  | Lockwasher, 3/4" Reg.                             | 2        |
| 5        | 3253-4    | Lockwasher 5/16" Reg.          | 22       | 59       | 3220-7   | Nut, 3/4" N.F. Jam                                | 4        |
| 6        | 32111-4   | Acorn Cap Nut, 5/16" Plated    | 4        | 60       | 3219-7   | Nut, 3/4" N.F. Full                               | 2        |
| 7        | WW-6662   | Rear Guard                     | 1        | *        | WWK-5279 | Rear Wheel Assembly                               | 2        |
| 8        | WW-5297   | Screw                          | 2        | 61       | 241-13   | Wheel Disc, Inside Rear                           | 2        |
| 9        | 3296-11   | Nut, Elastic Stop, 3/8"        | 2        | 62       | 241-12   | Wheel Disc, Outside Rear                          | 2        |
| 10       | WW6525-1  | Handle Bracket, Left           | 1        | 63       | 231-2    | Tire, Rear                                        | 2        |
| 11       | WW6525-2  | Handle Bracket, Right          | 1        | 64       | 232-2    | Tube, Rear                                        | 2        |
| 12       | WW-5313   | Rubber Washer                  | 4        | 65       | 323-4    | Screw, 3/8" N.C. x 3/4"                           | 12       |
| 13       | WW-5938   | Sulky Hitch Plate              | 1        | 66       | WW-5272  | Wheel Hub, Left Rear                              | 1        |
| 14       | 323-7     | Screw, 3/8" N.C. x 1-1/4"      | 6        | 67       | WW-5261  | Wheel Hub, Right Rear                             | 1        |
| 15       | 3253-5    | Lockwasher, 3/8" Reg.          | 30       | 68       | 302-2    | Zerk Fitting                                      | 1        |
| 16       | 3217-7    | Nut, 3/8" N.C. Full            | 30       | 69       | 321-3    | Screw, 1/4" N.C. x 5/8"                           | 16       |
| 17       | 221-35    | Engine, Wisconsin BKN          | 1        | 70       | 3253-3   | Lockwasher, 1/4" Reg.                             | 16       |
| 18       | WW-5419   | Engine Base                    | 1        | 71       | WW-5598  | Differential Spider                               | 1        |
| 19       | 323-11    | Screw, 3/8" N.C. x 2-1/4"      | 4        | 72       | WW-5600  | Pinion                                            | 2        |
| 20       | 323-6     | Screw, 3/8" N.C. x 1"          | 4        | 73       | WW-6107  | Pinion Shaft                                      | 2        |
| 21       | WW-5397   | Washer                         | 2        | 74       | 3245-1   | Set Screw                                         | 2        |
| 22       | 3256-4    | Washer, 3/8" Cut               | 2        | 75       | WW-5578A | Bushing                                           | 1        |
| *        | WWK-6521  | "V" Belt Idler Assembly        | 1        | 76       | WWK5577  | Bevel Gear w/Bushing (Long Hub)                   | 1        |
| 23       | WW-5440   | Pulley, Flat Belt              | 1        | 77       | WW-5155  | Key                                               | 1        |
| 24       | 3247-3    | Set Screw                      | 2        | 78       | WW-5599A | Bushing                                           | 1        |
| 25       | WC-1472   | Key                            | 1        | 79       | WW-5581  | Bevel Gear (Short Hub)                            | 1        |
| 26       | WW-6517   | Pulley, "V" Belt               | 1        | 80       | WW-5262  | Grease Seal                                       | 1        |
| 27       | 3245-9    | Set Screw                      | 2        | 81       | WW-5621  | Sprocket (48 Tooth)                               | 1        |
| 28       | WWK-6735  | Idle Bracket Assy.             | 1        | 82       | WW-5625  | Differential Cover                                | 1        |
| 29       | 322-16    | Screw, 5/16" N.C. x 1 1/8"     | 2        | 83       | WW-5624  | Seal, Felt                                        | 1        |
| 30       | WW-6575   | Collar                         | 1        | 84       | 322-3    | Screw, 5/16" N.C. x 3/4"                          | 4        |
| 31       | 271-56    | "V" Belt                       | 1        | *        | WWK-5209 | Rear Axle Assembly (Reference Numbers 85 thru 95) | 1        |
| 32       | WW-6536-1 | Roller Chain                   | 1        | 85       | WW-5128  | Axle Housing                                      | 1        |
| 33       | 2710-26   | Connecting Link                | 1        | 86       | WW-5138  | Rear Axle                                         | 1        |
| 34       | WW-6518   | Idler Pulley                   | 1        | 87       | WW-5155  | Key                                               | 1        |
| 35       | WW-6519   | Idler Arm                      | 1        | 88       | 3257-5   | Key                                               | 1        |
| 36       | WW-6539   | Idler Shaft                    | 1        | 89       | 251-82   | Bearing                                           | 2        |
| 37       | 302-18    | Zerk Fitting                   | 1        | 90       | WW-5144  | Washer                                            | 2        |
| 38       | 302-19    | Zerk Fitting                   | 1        | 91       | WW-5143  | Spacer, Right Hand                                | 1        |
| 39       | 251-109   | Bearing                        | 2        | 92       | WW-5148  | Spacer, Left Hand                                 | 1        |
| 40       | WW-6520   | Spacer                         | 1        | 93       | 3256-19  | Washer, 3/4"                                      | 2        |
| 41       | 32120-10  | Retainer Ring                  | 2        | 94       | 3221-6   | Nut, 3/4" N.C., Castellated                       | 2        |
| 42       | T-99      | Washer                         | 2        | 95       | 3272-12  | Cotter Pin, 1/8" x 1-1/4"                         | 2        |
| 43       | WW-5652   | Spring Anchor                  | 1        | 96       | WW-5122  | "U" Bolt                                          | 2        |
| 44       | 3218-3    | Nut, 3/8" N.C. Jam             | 1        | 97       | WW-5332B | Handle                                            | 1        |
| *        | 241-35    | Front Wheel Complete           | 2        | 98       | 235-4    | Handle Cap                                        | 2        |
| 47       | 241-33    | Wheel Disc & Hub, Inside Front | 2        | 99       | 323-8    | Screw, 3/8" N.C. x 1-1/2"                         | 4        |
| 48       | 241-34    | Wheel Disc, Outside Front      | 2        | 100      | WWK-373  | Throttle Control Assembly                         | 1        |
| 49       | 302-21    | Zerk Fitting                   | 2        | 101      | WW-5380  | Clamp                                             | 3        |
| 50       | 252-46    | Bearing, Front Wheel           | 2        | 102      | 3251-1   | Screw, 10-24 x 3/8"                               | 5        |
| 51       | 252-47    | Retainer, Bearing              | 2        | 103      | WWK-6615 | Wheel Weights (Optional Equipment)                | 4        |
| 53       | 234-4     | Tire                           | 2        | 104      | 321-15   | Screw, 1/4" N.C. x 2 1/2"                         | 12       |
| 54       | 321-2     | Screw, 1/4" N.C. x 1/2"        | 12       | 105      | 3217-5   | Nut, 1/4" N.C.                                    | 12       |
|          |           |                                |          | 106      | WW-5657  | Spring                                            | 1        |
|          |           |                                |          | *        | WW-534A  | Frame Decal                                       | 1        |

\* Not Illustrated

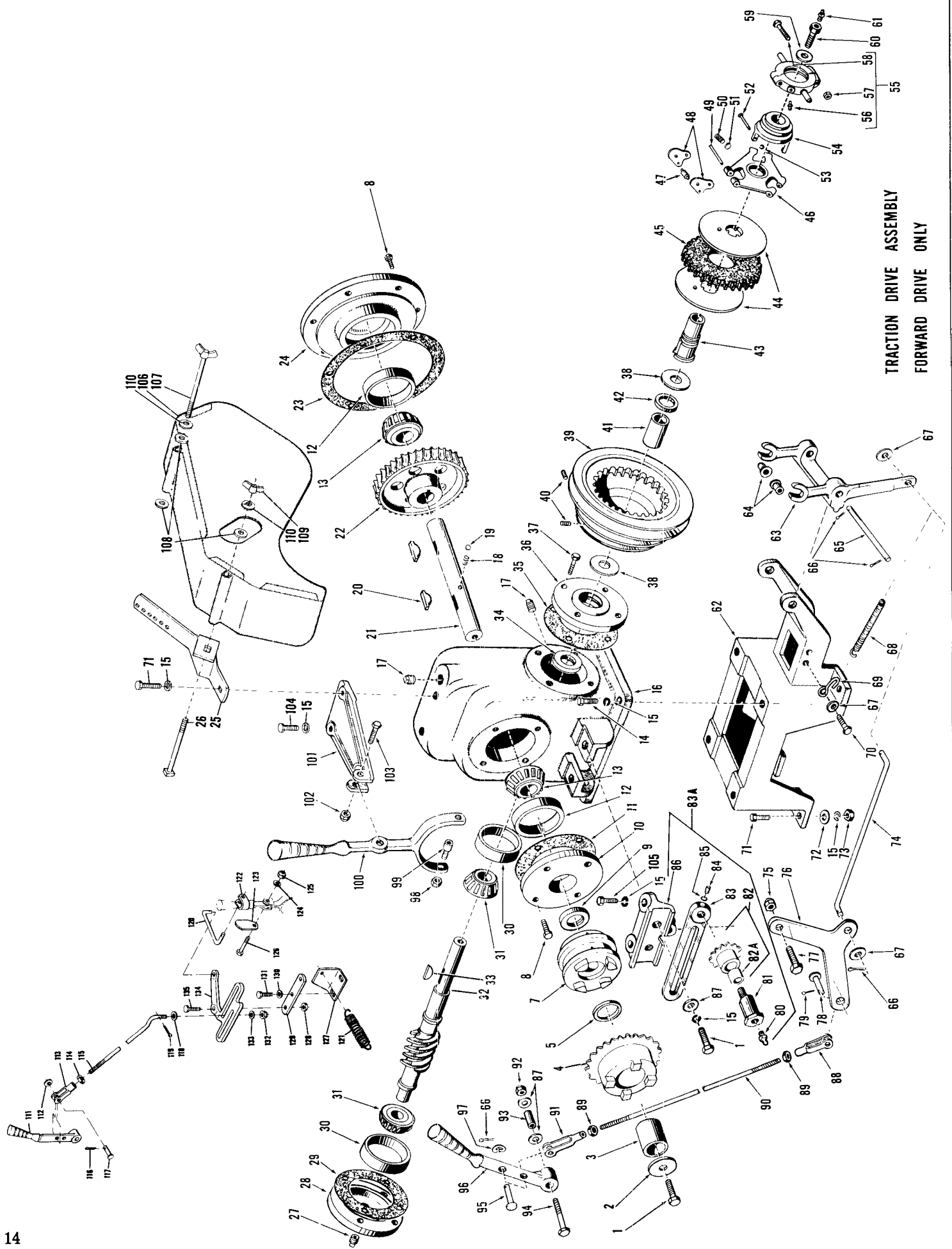


# PARTS LIST

| Ref. No. | Part No.  | Description                                 | No. Used |
|----------|-----------|---------------------------------------------|----------|
| *        | WWK-5127  | Cutter Unit Complete                        | 1        |
| 1        | WW-5003A  | Cutter Housing                              | 1        |
| 2        | WW-5017   | Sleeve                                      | 1        |
| 3        | 251-81    | Bearing                                     | 2        |
| 4        | WW-5082   | Snap Ring                                   | 1        |
| 5        | 32120-31  | Snap Ring                                   | 2        |
| 6        | 302-22    | Zerk Fitting                                | 1        |
| 7        | 323-7     | Screw, 3/8" N. C. x 1-1/4" Cap              | 4        |
| 8        | 3253-5    | Lockwasher, 3/8" Reg.                       | 9        |
| 9        | 3217-7    | Nut, 3/8" N. C. Full                        | 9        |
| 10       | 32106-6   | Screw, 3/8" N. C. x 1 1/4" Mach.            | 2        |
| 11       | WWK-5408  | Cutter Bar Assembly                         | 1        |
| *        | WWK-5701  | Cutter Bar Assembly, (Non-Suction) Optional | 1        |
| 12       | WW-1501   | Cutter Blade                                | 2        |
| *        | WW-1504   | Cutter Blade (Non-Suction) Optional         | 2        |
| 13       | 3264-1    | Rivet                                       | 6        |
| 14       | WW-5041A  | Cup, Cutter Shaft                           | 1        |
| 15       | WW-5096A  | Nut, 5/8", Left Hand                        | 1        |
| 16       | WW-5011   | Cutter Arm Shaft                            | 1        |
| 17       | WW-5030   | Spacer, (1/4")                              | 2        |
| 18       | WW-5035   | Cutter Shaft Spacer (1/2")                  | 5        |
| 19       | WW-5078   | Flinger                                     | 1        |
| 20       | WW-5020   | Pulley                                      | 1        |
| 21       | WW-5025   | Key                                         | 1        |
| 22       | 3247-3    | Set Screw                                   | 2        |
| 23       | 3219-8    | Nut, 7/8" N. F.                             | 1        |
| 24       | WWK-6565  | Cantilever Frame w/bush's.                  | 1        |
| 25       | WW-1005   | Bushing                                     | 2        |
| 26       | 323-8     | Screw, 3/8" N. C. x 1-1/2"                  | 2        |
| 27       | WW-5776   | Throwout Rod                                | 1        |
| 28       | 3219-7    | Nut, 3/4" N. F.                             | 1        |
| 29       | 2412-1    | Hose Clamp Assembly                         | 1        |
| 30       | WW-5771-2 | Chain                                       | 1        |
| 31       | WW-5851   | Spring Anchor                               | 2        |
| 33       | WW6557-7  | Handle Assembly                             | 1        |
| 35       | 3256-4    | Washer, 3/8" Cut                            | 1        |

| Ref. No. | Part No.  | Description                                 | No. Used |
|----------|-----------|---------------------------------------------|----------|
| 36       | 3272-10   | Cotter Key                                  | 1        |
| 37       | 32114-14  | Screw, 5/16"x1 1/4" Fil. Head               | 1        |
| 38       | 3218-2    | Nut, 5/16" N. C. Jam                        | 2        |
| 39       | WW-5777   | Spring Hook Extension                       | 1        |
| 40       | WWK-5857  | Draw Bar Spring Assembly                    | 1        |
| 42       | WW-5771-4 | Chain                                       | 1        |
| 43       | WW-5762   | Hook                                        | 1        |
| 44       | WW-5774   | Clevis                                      | 1        |
| 45       | 3272-22   | Cotter Key                                  | 1        |
| 46       | WW-6601A  | Flat Belt                                   | 1        |
| 47       | WW-5878   | Belt Guide                                  | 2        |
| 48       | WWK-6740  | Cantilever Shaft Assembly                   | 1        |
| *49      | WW-1018B  | Shaft(25106-101 Thru 25106-299)             | 1        |
| 49       | WW-1018C  | Shaft (25106-300 & Up)                      | 1        |
| 50       | WW-1031A  | Idler Pulley                                | 2        |
| 51       | 251-5     | Bearing (25106-300 & Up)                    | 4        |
| *51      | 251-123   | Bearing, use w/WW1018B Shaft Only.          | 4        |
| 52       | WW-1040B  | Bearing Spacer                              | 2        |
| 53       | WW-1045A  | Bearing Spacer                              | 2        |
| 56       | WW-5656   | Snap Ring                                   | 2        |
| 58       | 3220-6    | Nut, 5/8" N. F. Jamb                        | 2        |
| 59       | WW-6580   | Bracket, Throwout Handle                    | 1        |
| 60       | 323-10    | Screw, 3/8" N. C. x 2"                      | 1        |
| *        | 302-17    | Grease Fitting use with WW-1018B Shaft only | 1        |
| 61       | 223-7     | Socket Wrench, 1/4"                         | 1        |
| 62       | 223-8     | Socket Wrench, 5/16"                        | 1        |
| 63       | 223-2     | Socket Wrench, 3/8"                         | 1        |
| 64       | WW-5042A  | Wrench                                      | 1        |
| 65       | WW-5042B  | Wrench                                      | 1        |
| 66       | 3253-16   | Lockwasher, 3/4" Spring                     | 1        |
| 67       | LMK-19    | Leaf Mulcher Assembly                       | 1        |
| 68       | 3230-4    | Bolt, 5/16"N. C. x 1 1/2" Carr.             | 2        |
| 69       | LM-422    | Clip                                        | 2        |
| 70       | 3253-4    | Lockwasher 5/16" Reg.                       | 4        |
| 71       | 3217-6    | Nut, 5/16" N. C. Full                       | 4        |
| 72       | 3230-2    | Bolt, 5/16"N. C. x1" Carr.                  | 2        |
| 73       | 3256-2    | Washer, 1/4" Cut                            | 2        |

\* Not Illustrated



TRACTION DRIVE ASSEMBLY  
FORWARD DRIVE ONLY

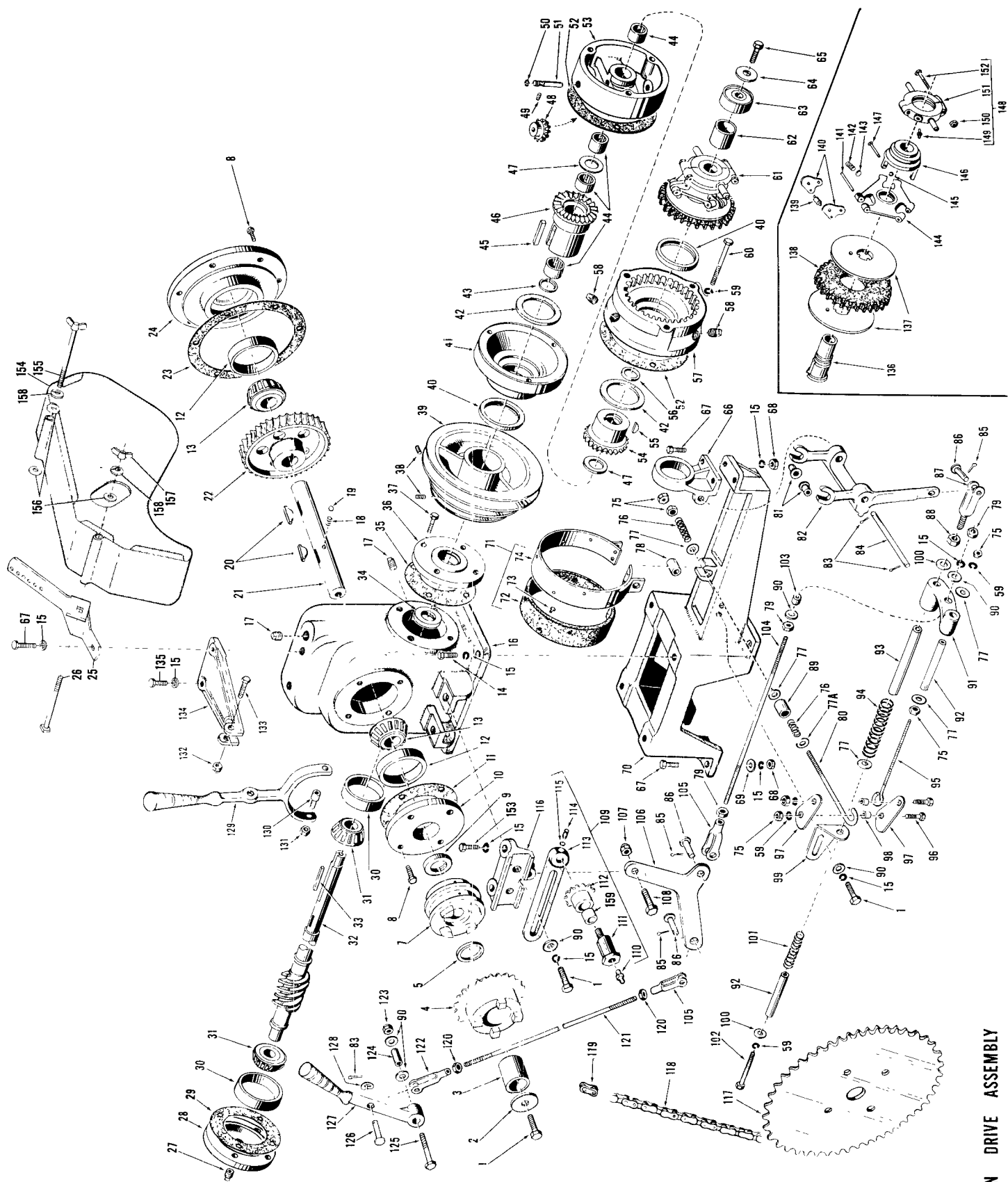
# PARTS LIST

| Ref. No. | Part No. | Description                  | No. Used |
|----------|----------|------------------------------|----------|
| 1        | 323-4    | Screw, 3/8" N.C. x 3/4"      | 2        |
| 2        | WW-6751  | Washer                       | 1        |
| 3        | 256-47   | Bushing                      | 1        |
| 4        | WW-6750  | Output Sprocket              | 1        |
| 5        | WW-6530  | Thrust Washer                | 1        |
| 7        | WW-6749  | Sliding Hub                  | 1        |
| 8        | 321-3    | Screw, 1/4" N.C. x 5/8"      | 10       |
| 9        | 253-33   | Oil Seal                     | 1        |
| 10       | WS-285   | Bearing Cap                  | 1        |
| 11       | WS-295A  | Gasket                       | 1        |
| 12       | 254-38   | Bearing Cup                  | 2        |
| 13       | 254-39   | Bearing Cone                 | 2        |
| 14       | 323-18   | Screw, 3/8" N.C. x 1 1/8"    | 4        |
| 15       | 3253-5   | Lockwasher, 3/8" Reg.        | 12       |
| *        | WWK-6646 | Speed Reducer Assembly       | 1        |
| 16       | WS-200A  | Housing                      | 1        |
| 17       | 281-2    | Pipe Plug                    | 2        |
| 18       | 224-15   | Spring                       | 1        |
| 19       | 255-1    | Steel Ball, 1/4"             | 1        |
| 20       | 3257-19  | Key                          | 2        |
| 21       | WW-6607  | Output Shaft                 | 1        |
| 22       | WM-266   | Worm Gear                    | 1        |
| 23       | WS-260   | Gasket                       | 2        |
| 24       | WS-280   | Bearing Cap                  | 1        |
| 25       | WW6684-1 | Guard Bracket                | 1        |
| 26       | 3230-13  | Bolt, 5/16" N.C. x 3 1/4"    | 1        |
| 27       | 281-7    | Pipe Plug                    | 1        |
| 28       | WW-6512  | Bearing Cap                  | 1        |
| 29       | WW-6515  | Gasket                       | 1-3      |
| 30       | 254-16   | Bearing Cup                  | 2        |
| 31       | 254-15   | Bearing Cone                 | 2        |
| 32       | WW-6606A | Worm Shaft                   | 1        |
| 33       | 3257-5   | Key                          | 1        |
| 34       | 253-57   | Oil Seal                     | 1        |
| 35       | WW-6513  | Gasket                       | 1-3      |
| 36       | WW-6608  | Bearing Cap                  | 1        |
| 37       | 322-3    | Screw, 5/16" N.C. x 3/4"     | 8        |
| 38       | 256-45   | Thrust Washer                | 2        |
| 39       | WW-6603  | "V" Pulley                   | 1        |
| 40       | 3245-9   | Set Screw                    | 2        |
| 41       | WW-6609  | Bushing                      | 1        |
| 42       | 253-59   | Seal                         | 1        |
| *        | 352-168  | Clutch Assembly, Complete    | 1        |
| 43       | 352-170  | Clutch Body                  | 1        |
| 44       | 352-171  | Clutch Plate                 | 1        |
| 45       | 352-172  | Clutch Facing                | 1        |
| 46       | 352-182  | Adjustment Spider            | 1        |
| 47       | 352-173  | Roller                       | 3        |
| *        | 352-169  | Lever Assembly               | 1        |
| 48       | 352-174  | Clutch Lever                 | 6        |
| 49       | 352-175  | Adj. Spider Pin              | 3        |
| 50       | 352-180  | Adj. Lock Screw              | 1        |
| 51       | 352-181  | Lock Plug                    | 1        |
| 52       | 352-184  | Link Pin                     | 3        |
| 53       | 352-183  | Retaining Ring               | 3        |
| 54       | 352-177  | Release Sleeve               | 1        |
| 55       | 352-178  | Release Bearing Assy. w/Zerk | 1        |
| 56       | 302-5    | Grease Fitting               | 1        |
| 57       | 3296-27  | Nut, 10-32                   | 2        |
| 58       | 352-185  | Screw, 10-32 x 1 1/2"        | 2        |
| 59       | 2-P-9    | Washer                       | 1        |
| 60       | WW-6610A | Special Capscrew             | 1        |
| 61       | 302-5    | Zerk Fitting                 | 1        |
| 62       | WW-6604  | Speed Reducer Base           | 1        |
| 63       | WW-6548  | Clevis                       | 1        |
| 64       | WW-6549  | Bushing                      | 2        |
| 65       | WW-6554  | Clevis Pin                   | 1        |
| 66       | 3272-6   | Cotter Key                   | 4        |
| 67       | 3256-23  | Washer, 5/16 S.A.E.          | 3        |
| 68       | T-350    | Spring                       | 1        |

| Ref. No. | Part No. | Description                          | No. Used |
|----------|----------|--------------------------------------|----------|
| 69       | WW-5851  | Spring Anchor                        | 1        |
| 70       | 322-4    | Screw, 5/16" N.C. x 7/8"             | 1        |
| 71       | 323-7    | Screw, 3/8" N.C. x 1 1/4"            | 4        |
| 72       | 3256-4   | Washer, 3/8" Cut                     | 4        |
| 73       | 3217-7   | Nut, 3/8" N.C.                       | 4        |
| 74       | WW-6605  | Rod                                  | 1        |
| 75       | 3296-18  | Nut, 5/16" Elastic Stop              | 1        |
| 76       | WW-6558  | Crank                                | 1        |
| 77       | 322-7    | Screw, 5/16" N.C. x 1 1/2"           | 1        |
| 78       | 283-1    | Yoke Pin                             | 1        |
| 79       | 3272-6   | Cotter Pin                           | 1        |
| 80       | 302-2    | Zerk Fitting                         | 1        |
| 81       | WW-5505A | Chain Tightener Stud                 | 1        |
| 82       | WWK-6372 | Idle Sprocket w/Bushing              | 1        |
| 82A      | 256-17   | Bushing                              | 1        |
| 83       | WW-6559  | Idle Bracket                         | 1        |
| 83A      | WWK-6672 | Chain Idler & Crank Bracket Assembly | 1        |
| 84       | 32133-24 | Set Screw                            | 1        |
| 85       | PD-53    | Plug                                 | 1        |
| 86       | WW-6568A | Crank Bracket                        | 1        |
| 87       | 3256-24  | Washer, 3/8" S.A.E.                  | 2        |
| 88       | GB-119   | Rod Yoke                             | 1        |
| 89       | 3220-3   | Nut, 3/8" N.F. Jam                   | 2        |
| 90       | WW-6555  | Rod                                  | 1        |
| 91       | 282-1    | Yoke                                 | 1        |
| 92       | 3296-6   | Nut, 3/8" Elastic Stop               | 1        |
| 93       | WW-6132  | Bushing                              | 1        |
| 94       | 3211-14  | Screw, 3/8" N.C. x 3 1/4"            | 1        |
| 95       | 283-2    | Yoke Pin                             | 1        |
| 96       | WW6557-6 | Handle                               | 1        |
| 97       | 3290-212 | Spring Washer                        | 1        |
| 98       | 3218-2   | Nut, 5/16" N.C. Jam                  | 2        |
| 99       | 3274-11  | Screw                                | 2        |
| 100      | WW-6526  | Shift Lever                          | 1        |
| 101      | WW-6523  | Bracket                              | 1        |
| 102      | 3296-29  | Nut, 5/16" Elastic Stop              | 1        |
| 103      | 322-7    | Screw, 5/16" N.C. x 1 1/2"           | 1        |
| 104      | 323-7    | Screw, 3/8" N.C. x 1 1/4"            | 2        |
| 105      | 323-5    | Screw, 3/8" N.C. x 7/8"              | 2        |
| 106      | WW-6681  | Belt Guard Assembly                  | 1        |
| 107      | WW-6687  | Wing Bolt                            | 1        |
| 108      | 3256-23  | Washer, Cut                          | 3        |
| 109      | 32103-2  | Wing Nut                             | 1        |
| 110      | 3253-4   | Lockwasher                           | 2        |
| 111      | WW6557-6 | Handle                               | 1        |
| 112      | 3290-211 | Spring Washer                        | 1        |
| 113      | 282-1    | Yoke                                 | 1        |
| 114      | 3220-3   | Nut, 3/8" N.F. Jam                   | 1        |
| 115      | WW-6697  | Control Rod                          | 1        |
| 116      | 3272-10  | Cotter Pin, 1/8" x 3/4"              | 1        |
| 117      | 283-2    | Pin, Yoke                            | 1        |
| 118      | 3256-5   | Washer, 7/16" Cut                    | 1        |
| 119      | 3272-10  | Cotter Pin, 1/8" x 3/4"              | 1        |
| 120      | WW-6695  | Link                                 | 1        |
| 121      | T-350    | Spring                               | 1        |
| 122      | WW-6694  | Clip                                 | 1        |
| 123      | WW-6700  | Lock                                 | 1        |
| 124      | 3290-210 | Spring Washer                        | 1        |
| 125      | 3296-18  | Lock Nut, 5/16" N.C.                 | 1        |
| 126      | 322-8    | Screw, 5/16" N.C. x 1-5/8"           | 1        |
| 127      | WW-6698  | Stop, Bell Crank                     | 1        |
| 128      | 3220-3   | Nut, 3/8" N.F. Jam                   | 1        |
| 129      | WW-6689  | Pivot Bar                            | 1        |
| 130      | 3253-5   | Lockwasher, 3/8" Reg.                | 2        |
| 131      | 323-8    | Screw, 3/8" N.C. x 1 1/2"            | 2        |
| 132      | 3296-5   | Locknut, 3/8" N.F.                   | 1        |
| 133      | 3256-5   | Lockwasher, 7/16" Cut                | 1        |
| 134      | WW-6699  | Bell Crank                           | 1        |
| 135      | 3211-5   | Screw, 3/8" N.F. x 1 1/4"            | 1        |

\* Not Illustrated

INSIST ON GENUINE TORO PARTS



TRACTION DRIVE ASSEMBLY  
FORWARD-REVERSE ONLY

# PARTS LIST

| Ref. No. | Part No.  | Description                | No. Used |
|----------|-----------|----------------------------|----------|
| 1        | 323-4     | Screw, 3/8" N. C. x 3/4"   | 6        |
| 2        | WW-6751   | Washer                     | 1        |
| 3        | 256-47    | Bushing                    | 1        |
| 4        | WW-6750   | Sprocket, Output           | 1        |
| 5        | WW-6530   | Thrust Washer              | 1        |
| 7        | WW-6749   | Sliding Hub                | 1        |
| 8        | 321-3     | Screw, 1/4" N. C. x 5/8"   | 10       |
| 9        | 253-33    | Oil Seal                   | 1        |
| 10       | WS-285    | Bearing Cap                | 1        |
| 11       | WS-295A   | Gasket                     | 1        |
| 12       | 254-38    | Bearing Cup                | 2        |
| 13       | 254-39    | Bearing Cone               | 2        |
| 14       | 323-18    | Screw, 3/8" N. C. x 1-1/8" | 4        |
| 15       | 3253-5    | Lockwasher, 3/8" Reg.      | 19       |
| *        | WWK-6618  | Speed Reducer Assembly     | 1        |
| 16       | WS-200A   | Housing                    | 1        |
| 17       | 281-2     | Pipe Plug                  | 2        |
| 18       | 224-15    | Spring                     | 1        |
| 19       | 255-1     | Steel Ball                 | 1        |
| 20       | 3257-19   | Key                        | 2        |
| 21       | WW-6607   | Output Shaft               | 1        |
| 22       | WM-266    | Worm Gear                  | 1        |
| 23       | WS-260    | Gasket                     | 4        |
| 24       | WS-280    | Bearing Cap                | 1        |
| 25       | WW-6684-1 | Guard Brkt.                | 1        |
| 26       | 3230-13   | Bolt, 5/16" N. C. X 3 1/4" | 1        |
| 27       | 281-7     | Pipe Plug                  | 1        |
| 28       | WW-6512   | Bearing Cap                | 1        |
| 29       | WW-6515   | Gasket                     | 1-3      |
| 30       | 254-16    | Bearing Cup                | 2        |
| 31       | 254-15    | Bearing Cone               | 2        |
| 32       | WW-6510   | Worm Shaft                 | 1        |
| 33       | WW-127    | Key                        | 1        |
| 34       | 253-57    | Oil Seal                   | 1        |
| 35       | WW-6513   | Gasket                     | 1-3      |
| 36       | WW-6608   | Bearing Cap                | 1        |
| 37       | 322-3     | Screw, 5/16" N. C. x 3/4"  | 8        |
| 38       | 3245-9    | Set Screw                  | 2        |
| 39       | WW-6532   | Pulley                     | 1        |
| 40       | 253-58    | Oil Seal                   | 2        |
| 41       | WW-6509   | Cover, Reverse             | 1        |
| 42       | 256-44    | Thrust Washer              | 2        |
| 43       | 253-59    | Oil Seal                   | 1        |
| 44       | 252-45    | Needle Bearing             | 4        |
| 45       | WW-6502   | Key                        | 1        |
| 46       | WW-6505   | Bevel Gear, Long Hub       | 1        |
| 47       | 256-45    | Thrust Washer              | 2        |
| 48       | WW-5600   | Pinion                     | 2        |
| 49       | 3245-7    | Set Screw                  | 2        |
| 50       | 237-7     | "O" Ring                   | 2        |
| 51       | WW-6107   | Pinion Shaft               | 2        |
| 52       | WW-6534   | Gasket                     | 2        |
| 53       | WW-6507   | Reverse Gear Housing       | 1        |
| 54       | WW-6506   | Bevel Gear, Short Hub      | 1        |
| 55       | 3257-5    | Key                        | 1        |
| 56       | 237-20    | "O" Ring Seal              | 1        |
| 57       | WW-6508   | Clutch Housing             | 1        |

\* Not Illustrated

| Ref. No. | Part No. | Description                          | No. Used |
|----------|----------|--------------------------------------|----------|
| 58       | 285-11   | Pipe Plug                            | 2        |
| 59       | 3253-4   | Lockwasher, 5/16" Reg.               | 7        |
| 60       | 322-22   | Screw, 5/16" N. C. x 3 1/2"          | 1        |
| 61       | 352-168  | Clutch Assembly                      | 1        |
| 62       | WW-6535  | Clutch Spacer                        | 1        |
| 63       | 251-5    | Bearing                              | 1        |
| 64       | 2P-9     | Washer                               | 1        |
| 65       | 323-5    | Screw, 3/8" N.C. x 7/8"              | 1        |
| 66       | WW-6514  | Bearing Block                        | 1        |
| 67       | 323-7    | Screw, 3/8" N.C. x 1 1/4"            | 6        |
| 68       | 3217-7   | Nut, 3/8" N.C. Full                  | 8        |
| 69       | 3256-4   | Washer, Cut                          | 4        |
| 70       | WW-6516  | Reducer Base                         | 1        |
| 71       | WWK-6563 | Reverse Brake Band Assembly          | 1        |
| 72       | 3P-29A   | Brake Lining                         | 1        |
| 73       | 3295-6   | Rivet, Lining                        | 9        |
| 74       | WW-6551  | Brake Band                           | 1        |
| 75       | 3219-2   | Nut, 5/16" N.C. Full                 | 6        |
| 76       | WW-6561  | Spring                               | 2        |
| 77       | 3256-3   | Washer, 5/16" Cut                    | 1        |
| 77A      | GB-28    | Washer                               | 1        |
| 78       | WW-6543  | Spacer                               | 1        |
| 79       | 3219-3   | Nut, 3/8" N. F. Full                 | 3        |
| 80       | WW-6545  | Hook                                 | 1        |
| 81       | WW-6549  | Bushing                              | 2        |
| 82       | WW-6548  | Clevis                               | 1        |
| 83       | 3272-6   | Cotter Key                           | 3        |
| 84       | WW-6554  | Clevis Pin                           | 1        |
| 85       | 3272-6   | Cotter Key, 3/32" x 3/4"             | 3        |
| 86       | 283-1    | Yoke Pin                             | 3        |
| 87       | WW-6553  | Yoke                                 | 2        |
| 88       | 3220-2   | Jam Nut, 5/16" N. F.                 | 1        |
| 89       | WW-6562  | Bushing                              | 1        |
| 90       | 3256-24  | Washer, 3/8" S. A. E.                | 6        |
| 91       | WW-6544  | Rod End                              | 1        |
| 92       | WW-6564  | Spacer                               | 1        |
| 93       | WW-6547  | Spacer, Clutch Spring                | 1        |
| 94       | WC-1467  | Spring                               | 1        |
| 95       | WW-6541  | Eye Bolt, Reverse Cam                | 1        |
| 96       | 3210-5   | Screw, 5/16" N. C. x 1"              | 2        |
| 97       | WW-6542  | Reverse Cam                          | 2        |
| 98       | GB-108   | Bushing                              | 2        |
| 99       | WW-6550  | Bracket, Clutch Bar                  | 1        |
| 100      | 3256-23  | Washer, 5/16" S. A. E.               | 3        |
| 101      | WW-6538A | Spring                               | 1        |
| 102      | 3210-13  | Screw, 5/16" N. F. x 3"              | 1        |
| 103      | WW-6567  | Spacer                               | 1        |
| 104      | WW-6556  | Stud                                 | 1        |
| 105      | GB-119   | Rod Yoke                             | 2        |
| 106      | WW-6558  | Crank                                | 1        |
| 107      | 3296-29  | Nut, Elastic Stop, 5/16"-18          | 1        |
| 108      | 322-7    | Screw, 5/16" N. C. x 1-1/2"          | 1        |
| 109      | WWK-6672 | Chain Idler & Crank Bracket Assembly | 1        |
| 110      | 302-2    | Zerk Fitting                         | 1        |
| 111      | WW-5505A | Stud, Chain Tightener                | 1        |
| 112      | WWK-6372 | Sprocket, Idler W/Bushing            | 1        |
| 113      | WW-6559  | Bracket, Idler                       | 1        |

( Continued on next page )

INSIST ON GENUINE TORO PARTS

## PARTS LIST

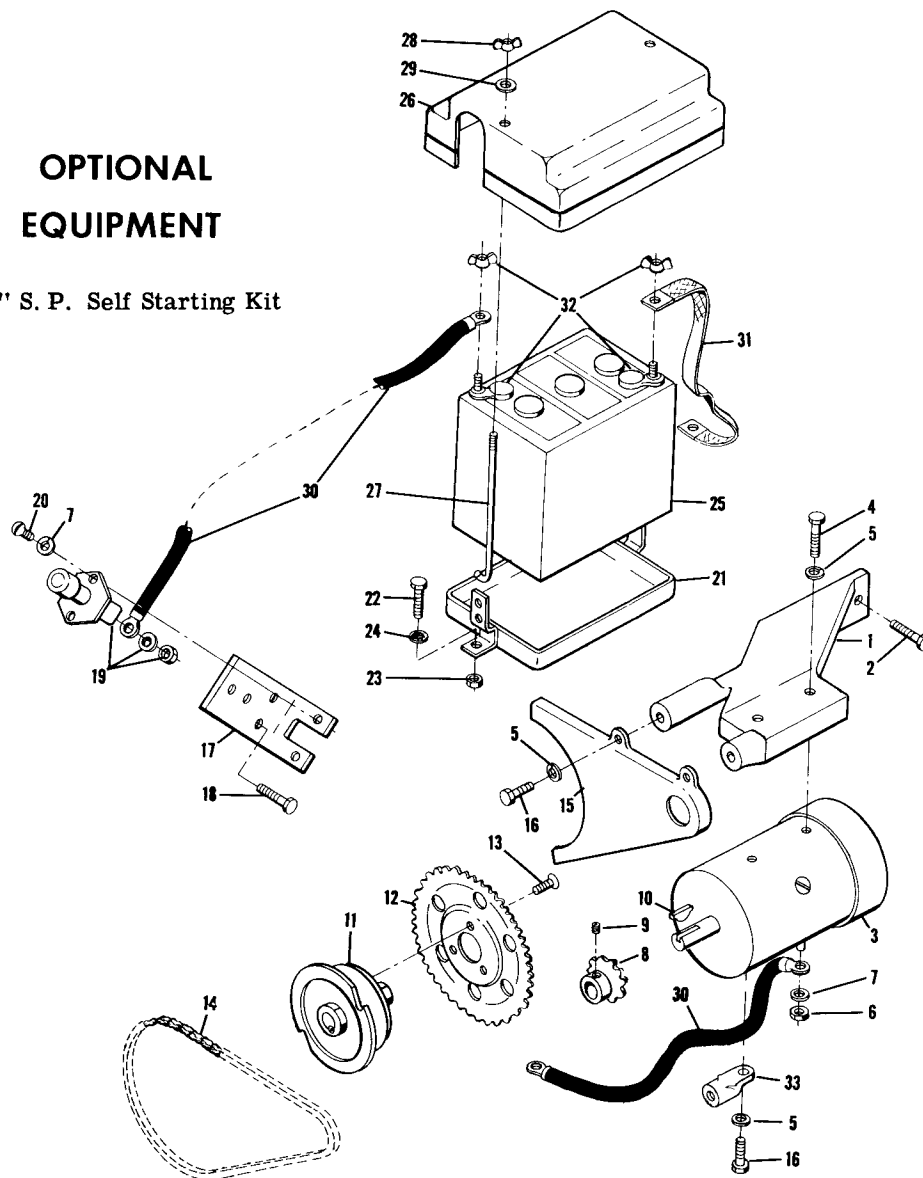
| Ref. No. | Part No. | Description                            | No. Used |
|----------|----------|----------------------------------------|----------|
| 114      | 32133-24 | Set Screw                              | 1        |
| 115      | PD-53    | Plug                                   | 1        |
| 116      | WW-6568A | Crank Bracket                          | 1        |
| 117      | WW-5621  | Sprocket Differential<br>(48 Tooth)    | 1        |
| 118      | WW-6536  | Drive Chain                            | 1        |
| 119      | 2710-26  | Connecting Link                        | 1        |
| 120      | 3220-3   | Nut, 3/8" N. F. Jam                    | 2        |
| 121      | WW-6555  | Rod                                    | 1        |
| 122      | 282-1    | Yoke                                   | 1        |
| 123      | 3296-6   | Nut, Elastic Stop,<br>3/8" N. F.       | 1        |
| 124      | WW-6132  | Bushing                                | 1        |
| 125      | 3211-14  | Screw, 3/8" N. F. x 3 1/4"             | 1        |
| 126      | 283-2    | Yoke Pin                               | 1        |
| 127      | WW6557-1 | Reverse Lever                          | 1        |
| 128      | 3290-211 | Spring Washer                          | 1        |
| 129      | WW-6526  | Shift Lever                            | 1        |
| 130      | 3274-11  | Socket Capscrew, 5/16"<br>N. C. x 3/4" | 2        |
| 131      | 3218-2   | Nut, 5/16" N. F. Jam                   | 2        |
| 132      | 3296-29  | Nut, Elastic Stop,<br>5/16" - 18       | 1        |
| 133      | 322-7    | Screw, 5/16" N. C. x<br>1-1/2"         | 1        |
| 134      | WW-6523  | Bracket, Shift Lever                   | 1        |
| 135      | 323-6    | Screw, 3/8" N. C. x 1"                 | 2        |

| Ref. No. | Part No. | Description                 | No. Used |
|----------|----------|-----------------------------|----------|
| 136      | 352-170  | Clutch Body                 | 1        |
| 137      | 352-171  | Clutch Plate                | 2        |
| 138      | 352-172  | Clutch Facing               | 1        |
| 139      | 352-173  | Roller                      | 3        |
| *139A    | 352-169  | Lever Assembly              | 1        |
| 140      | 352-174  | Clutch Lever                | 6        |
| 141      | 352-175  | Adj. Spider Pin             | 3        |
| 142      | 352-180  | Adj. Lock Screw             | 1        |
| 143      | 352-181  | Lock Plug                   | 1        |
| 144      | 352-182  | Adjusting Spider            | 1        |
| 145      | 352-183  | Ring, Retaining             | 3        |
| 146      | 352-177  | Release Sleeve              | 1        |
| 147      | 352-184  | Link Pin                    | 3        |
| 148      | 352-178  | Release Bearing Assy.       | 1        |
| 149      | 302-5    | Zerk Fitting                | 1        |
| 150      | 3296-27  | Nut, 10-32 Stop             | 2        |
| 151      | 352-179  | Release Bearing Less Zerk   | 1        |
| 152      | 32144-10 | Screw, 10-32 x 1 1/2" Mach. | 2        |
| 153      | 323-5    | Screw, 3/8" N. C. x 7/8     | 2        |
| 154      | WW-6681  | Belt Guard                  | 1        |
| 155      | WW-6687  | Wing Bolt                   | 1        |
| 156      | 3256-23  | Washer, 5/16" S. A. E.      | 3        |
| 157      | 32103-2  | Wing Nut                    | 1        |
| 158      | 3253-4   | Lockwasher, 5/16" Reg.      | 2        |
| 159      | 256-17   | Bushing                     | 1        |

\* Not Illustrated

## OPTIONAL EQUIPMENT

### 24" S. P. Self Starting Kit



## PARTS LIST

| Ref. No. | Part No. | Description                                           | No. Used |
|----------|----------|-------------------------------------------------------|----------|
| *        | 218-111  | Starter Assembly Kit                                  | 1        |
| 1        | 218-116  | Bkt., Starter Motor                                   | 1        |
| 2        | 323-7    | Screw, 3/8-16x1 $\frac{1}{4}$                         | 2        |
| 3        | 218-115  | Motor, Starter                                        | 1        |
| 4        | 322-5    | Screw, 5/16 - 18x1                                    | 2        |
| 5        | 3253-4   | Lockwasher, 5/16 Spring                               | 4        |
| 6        | 3217-5   | Nut $\frac{1}{4}$ - 20                                | 1        |
| 7        | 3253-3   | Lockwasher, $\frac{1}{4}$ " Reg.                      | 3        |
| 8        | 218-117  | Sprocket, 10 Tooth                                    | 1        |
| 9        | 32133-26 | Set Screw, #10-32x $\frac{1}{4}$ Socket               | 1        |
| 10       | 3257-2   | Woodruff Key, 1/8x5/8                                 | 1        |
| 11       | 218-118  | Clutch, Over-riding                                   | 1        |
| 12       | 218-119  | Sprocket, 49 Tooth                                    | 1        |
| 13       | 32108-2  | Screw Flat Hd. Mach. $\frac{1}{4}$ -20x $\frac{1}{2}$ | 3        |
| 14       | WW6748   | Chain with connector link                             | 1        |
| 15       | 218-120  | Chain Guard                                           | 1        |

| Ref. No. | Part No. | Description                                           | No. Used |
|----------|----------|-------------------------------------------------------|----------|
| 16       | 322-3    | Screw, 5/16-18x $\frac{3}{4}$                         | 2        |
| 17       | WW6747   | Bracket, Switch                                       | 1        |
| 18       | 323-9    | Screw, 3/8-16x1 $\frac{3}{4}$                         | 2        |
| 19       | 218-112  | Switch, Starter                                       | 1        |
| 20       | 3258-2   | Screw, Rd. Hd. Mach. $\frac{1}{4}$ -20x $\frac{1}{2}$ | 2        |
| 21       | WW6745   | Base Assy., Battery                                   | 1        |
| 22       | 322-4    | Screw, 5/16-18x7/8"                                   | 2        |
| 23       | 3217-6   | Nut, 5/16 - 18 Full                                   | 2        |
| 24       | 3254-2   | Lockwasher, 5/16"                                     | 2        |
| 25       | **       | Battery                                               | 1        |
| 26       | WW6752   | Cover, Battery                                        | 1        |
| 27       | WW6746   | Bolt, Hook                                            | 2        |
| 28       | 32103-1  | Nut, $\frac{1}{4}$ " - 20 Wing                        | 2        |
| 29       | 3256-2   | Washer, $\frac{1}{4}$ " Cut                           | 2        |
| 30       | 218-121  | Battery Cable, #4 Wire 17 $\frac{1}{4}$ " long        | 2        |
| 31       | 218-113  | Strap, Ground                                         | 1        |
| 32       | 218-114  | Adapter, Battery Terminal                             | 2        |

\* Not Illustrated

\*\*Obtain Locally

# TORO

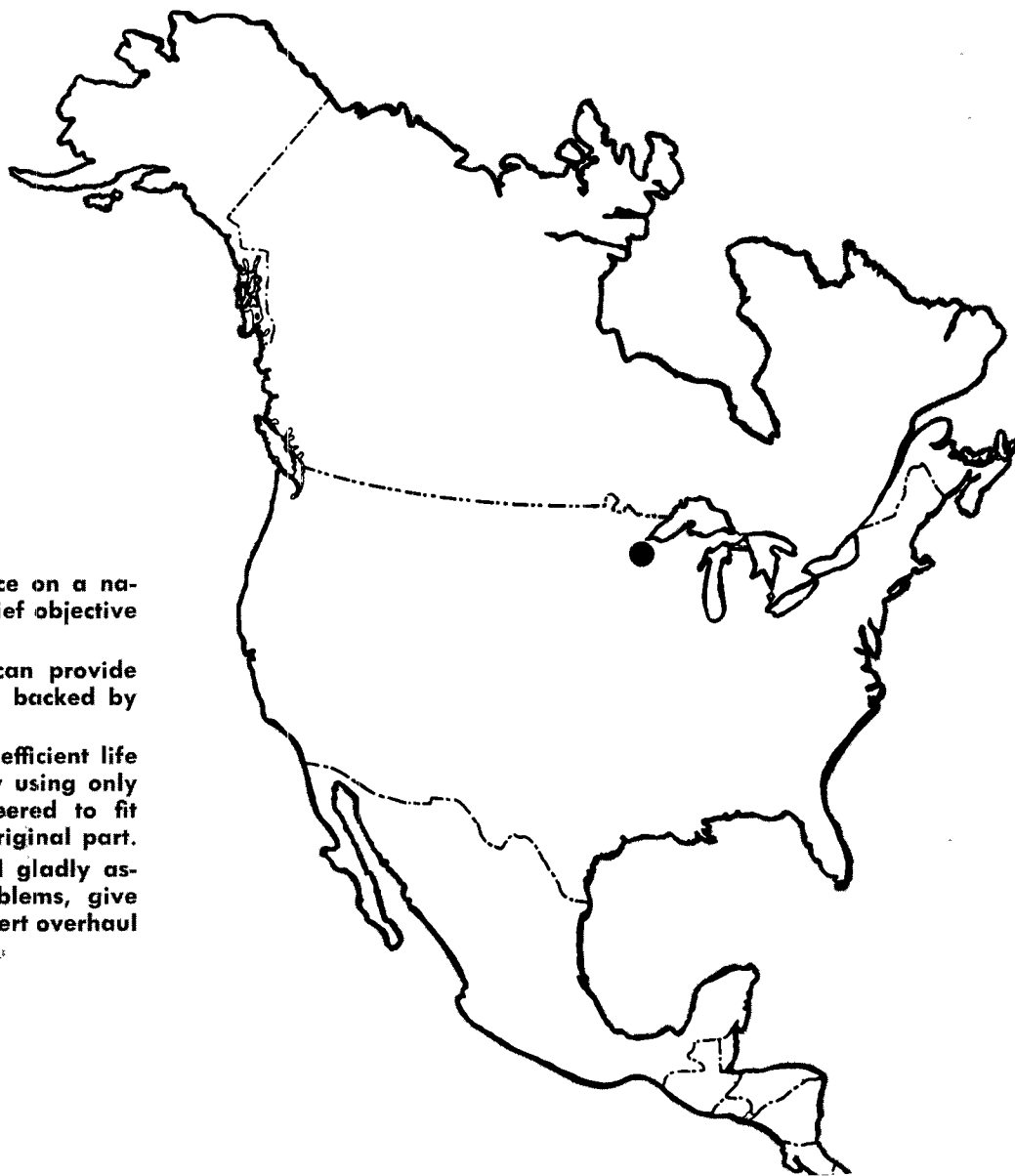
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