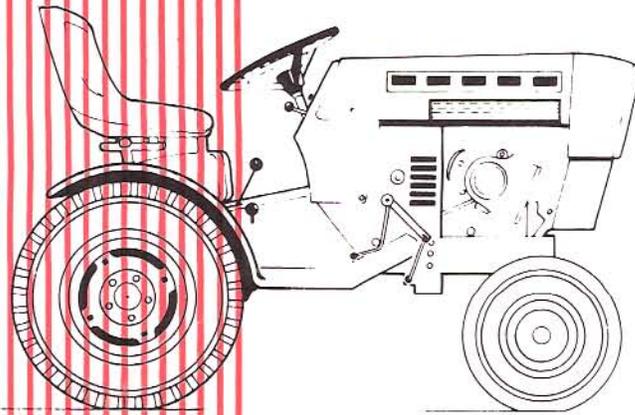


**Sears**

**MODEL NO.  
917.257050**



# OWNER'S MANUAL

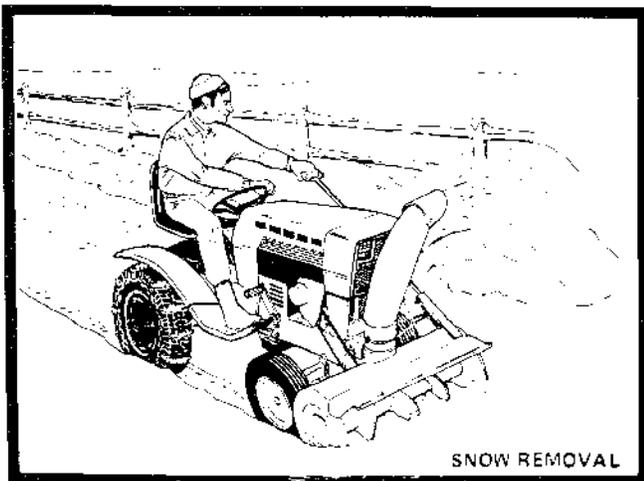
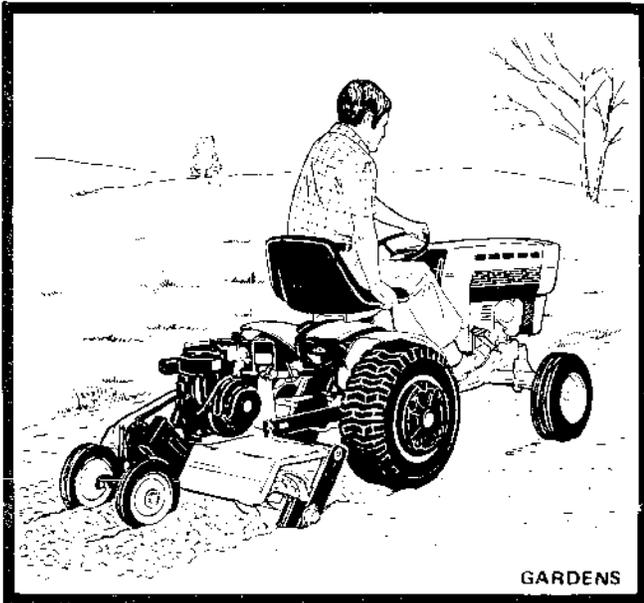
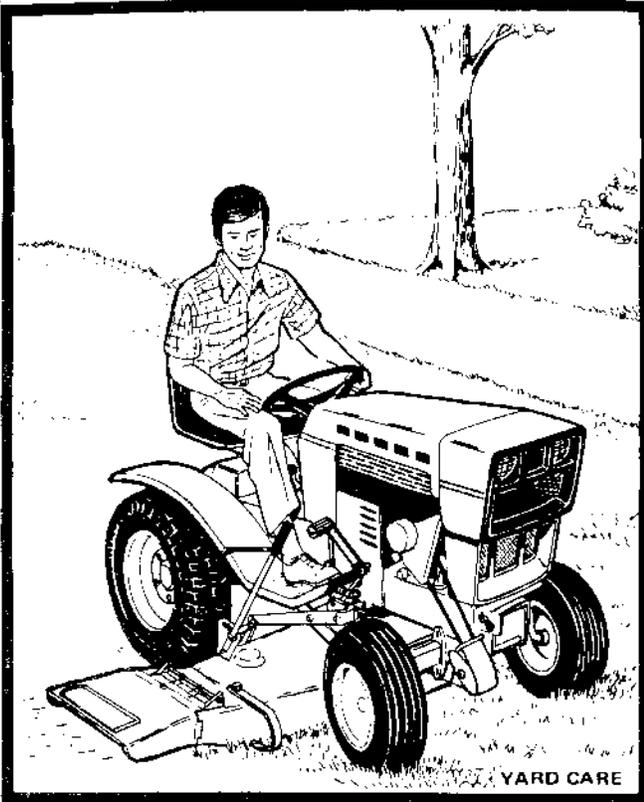
GT/16  
GARDEN TRACTOR

**Assembly  
Maintenance**

**Operation  
Repair Parts**



**IMPORTANT:  
READ RULES FOR  
SAFE OPERATION  
AND INSTRUCTIONS  
CAREFULLY**



**CONGRATULATIONS** on your purchase of a Sears GT/16 Garden Tractor. It has been designed, engineered and manufactured to give you dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears, Roebuck and Co. or Simpsons-Sears Limited store. They have competent, well-trained technicians and the proper tools and parts to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble, operate and maintain your Tractor properly. Always observe the "RULES FOR SAFE OPERATION".

## YOUR NEW GT/16 GARDEN TRACTOR FEATURES...

**OPPOSED-PISTON, FOUR CYCLE, TWIN-CYLINDER 16 H.P. ENGINE**--to run smoothly and quietly with plenty of power to take on a variety of yard, gardening or snow removal tasks.

**SAFETY INTERLOCK SYSTEM**--allows engine to start only when tractor Clutch-Brake Pedal is depressed and Attachment Clutch Lever is in "OFF" position.

**ALL-GEAR TRANSMISSION**--six speeds forward, two reverse speeds--to let you select the proper match for the terrain and the job. Auto-type differential helps guard against turf scuffing.

**CONTROL PANEL**--with Throttle, Choke, Light Switch, Ignition Switch, Ammeter and Electric Lift Switch for Three Point Hitch conveniently grouped for ease of use.

**ATTACHMENT VERSATILITY**--handles a large variety of Sears Yard and Garden Tractor Attachments including . . .

42 AND 48 INCH MOWERS with three "high-lift" blades to lift grass up for level cuts.

LITTER WHISK LAWN SWEEPER is more efficient than conventional lawn sweepers because of its wheel-less design; only the rotary brush touches the ground.

SELF POWERED ROTO TILLER prepares soil for new lawns and gardens with a 30 to 38 inch wide tilling path.

OTHER SOIL TILLAGE ATTACHMENTS including Plow, Disc Harrow, Drag Harrow and Cultivator.

CHEVRON TIRES for added traction in loose soil, gravel or snow.

SNOW BLOWER handles wet, heavy or powdery snow with ease.

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## FULL ONE YEAR WARRANTY ON ELECTRIC START GARDEN TRACTOR

For one year from the date of purchase, when this Garden Tractor is used for personal household purposes, Sears will repair any defect in material or workmanship in this Garden Tractor, except the battery, at no charge. If this Garden Tractor is used for commercial or rental purposes, this warranty applies for only 30 days from the date of purchase.

## FULL 90-DAY WARRANTY ON BATTERY

For 90 days from the date of purchase, if any battery included with the Garden Tractor proves defective in material or workmanship and will not hold a charge, Sears will replace the battery, at no charge.

## LIMITED WARRANTY ON BATTERY

From the 91st day until one year from the date of purchase, if any battery included with the Garden Tractor proves defective in material or workmanship and will not hold a charge, Sears will replace the battery, charging 1/12th of the price of the new battery for each full month from the date of purchase.

Warranty service is available at your home, at no charge, by simply contacting the nearest Sears store or Service Center throughout the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

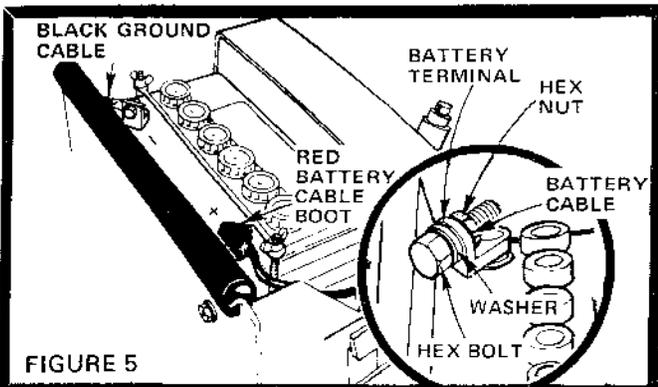
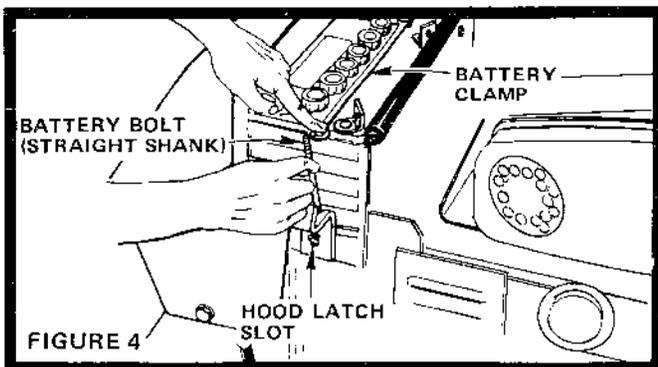
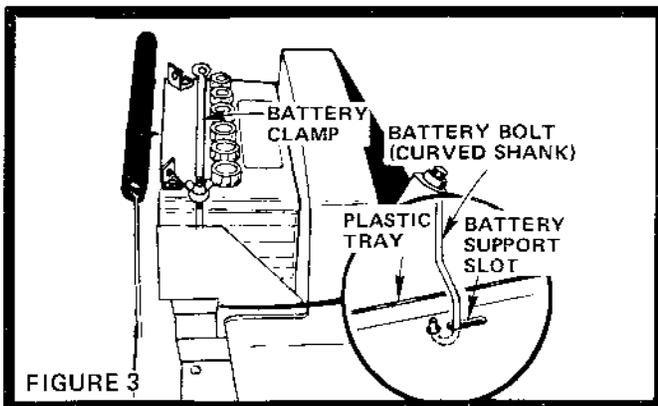
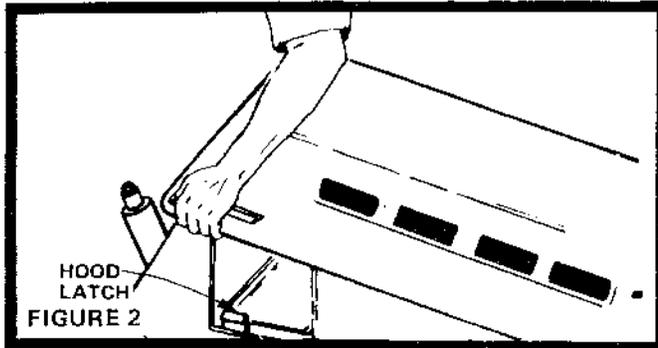
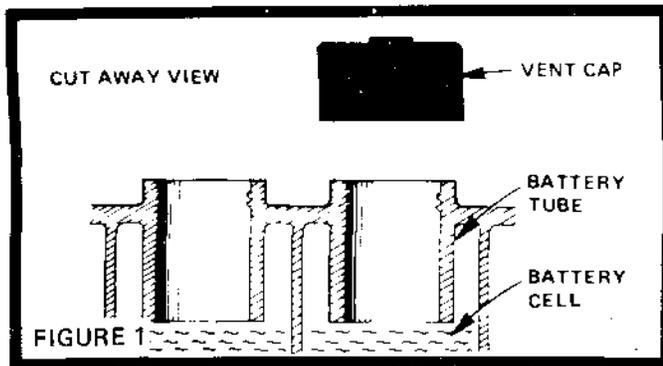
Sears, Roebuck and Co.  
Sears Tower  
BSC 41-3  
Chicago, IL 60684

## RULES FOR SAFE OPERATION

1. Know the controls and how to stop quickly. READ THE OWNER'S MANUAL.
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Clear the work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
6. Disengage power to attachments and stop the engine before leaving the operator's position.
7. Disengage power to attachments and stop the engine before making any repairs or adjustments.
8. Disengage power to attachments when transporting or not in use.
9. Take all possible precautions when leaving the vehicle unattended, such as disengaging the power-take-off, lowering the attachments, shifting into neutral, setting the parking brake, stopping the engine, and removing the key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face.
11. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in the terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
  - a. Use only approved drawbar hitch points.
  - b. Limit loads to those you can safely control.
  - c. Do not turn sharply. Use care when backing.
  - d. Use counterweights or wheel weights when suggested in this owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
16. Handle gasoline with care - it is highly flammable.
  - a. Use approved gasoline containers.
  - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
  - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
18. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
20. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
  - a. Mow only in daylight or in good artificial light.
  - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
  - c. Shut the engine off when removing the grass catcher or unclogging chute.
  - d. Check the blade mounting bolts for proper tightness at frequent intervals.
24. Check the grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.



LOOK FOR THIS SYMBOL TO POINT OUT IMPORTANT SAFETY PRECAUTIONS. IT MEANS -- ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED.



To assemble and adjust your Tractor you will need: two 7/16", one 9/16" and one 3/4" Wrenches  
 NOTE: Right Hand (R.H.) and Left Hand (L.H.) are determined from operator's position.

## ASSEMBLY

1. Remove Shipping Wires, Battery, Steering Wheel and Bag of Parts.
2. Filling and charging Battery (before installing) NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.



**WEAR EYE AND FACE SHIELD.**

- a. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.



**WASH HANDS OR CLOTHING IMMEDIATELY IF ACCIDENTALLY IN CONTACT WITH ELECTROLYTE.**

- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten Vent Caps securely,
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



**DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.**

- d. Neutralize excess electrolyte for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.

3. Install Battery using:



Battery Clamp, two Wing Nuts, two Battery Bolts,



four Flat Washers, two Hex Bolts and two Hex Nuts found in Bag of Parts.

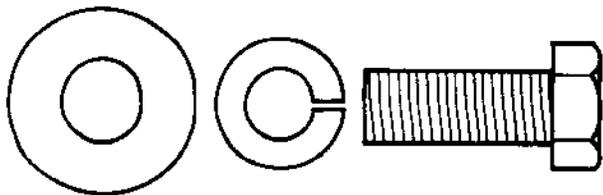
- a. Push down and slightly spread rear sides of Hood to release Hood Latches. Lift Hood from rear sides (Fig. 2).
- b. Remove tape from Plastic Tray. Position Plastic Tray so that drain hole in Tray is over round hole of Battery Support.
- c. Place Battery in Plastic Tray (Battery Terminals to front of Tractor) (Fig. 3).
- d. Hook the curved shank Battery Bolt into slot on the left side of Battery Support (Fig. 3). Fasten Battery Clamp to Battery Bolt with a Flat Washer and Wing Nut.
- e. Hook the straight shank Battery Bolt into slot in R.H. Hood Latch and fasten Battery Clamp with a Flat Washer and Wing Nut (Fig. 4). Tighten Wing Nuts securely.
- f. Place a Flat Washer over the end of a Hex Bolt. Secure RED Battery Cable to Positive (+) Battery Terminal with a Hex Bolt (Washer) and Hex Nut (Fig. 5). Tighten Nut securely. Place Boot over Terminal.



**POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.**

- g. Place remaining Flat Washer over the end of the remaining Hex Bolt. Secure BLACK Ground Cable to Negative (-) Battery Terminal with Hex Bolt (Washer) and Hex Nut (Fig. 5). Tighten Nut securely.

#### 4. Install Steering Wheel using:



Flat Washer, Lockwasher, and Hex Bolt assembled on end of Steering Shaft;



Woodruff Key, and Steering Wheel Insert found in Bag of Parts.

- Remove Hex Bolt, Lockwasher and Flat Washer from Steering Shaft (Fig. 6).
- Insert Woodruff Key in Keyway of Steering Shaft and slide Steering Wheel over Shaft and Key. NOTE: BE SURE WOODRUFF KEY IS SECURE IN STEERING SHAFT.
- Fasten with Flat Washer, Lockwasher and Hex Bolt (Fig. 6). Tighten securely.
- Press Steering Wheel Insert in place.

### INITIAL ADJUSTMENTS

- Reduce Tire pressure to 12 pounds in front and rear Tires. (Tires were overinflated for shipping purposes).
- Seat position may be adjusted forward or backward by loosening Nut in Seat Plate (Fig. 7). NOTE WHEN RE-TIGHTENING NUT AFTER ADJUSTMENT, MAKE SURE SEAT PLATE HAS NOT TWISTED OUT OF ALIGNMENT WITH SEAT SPRING.
- A spark arrestor muffler is available as an accessory part for your tractor. Check legal requirements in your area.

### INITIAL SERVICE

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

- Check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 8) clean, push it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). NOTE: DO NOT OVERFILL.

- Fill Fuel Tank (Fig. 7) with fresh regular grade lead-free or leaded gasoline. Capacity is 3 - 1/4 gallons. NOTE: DO NOT SWITCH FROM LEADED TO LEAD-FREE GASOLINE.



FILL TO BOTTOM OF GAS TANK FILLER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL.

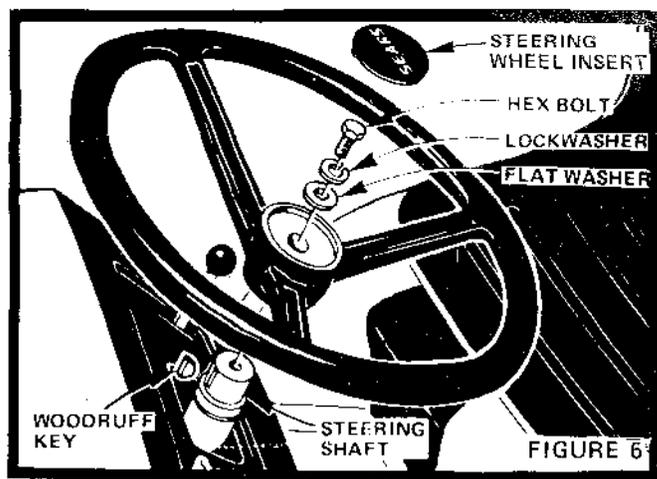


FIGURE 6

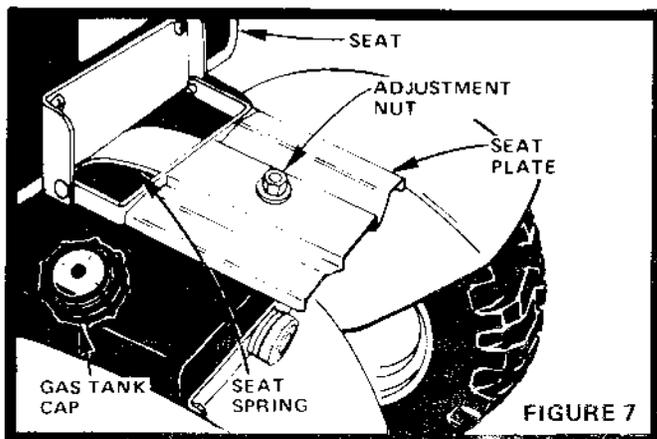


FIGURE 7

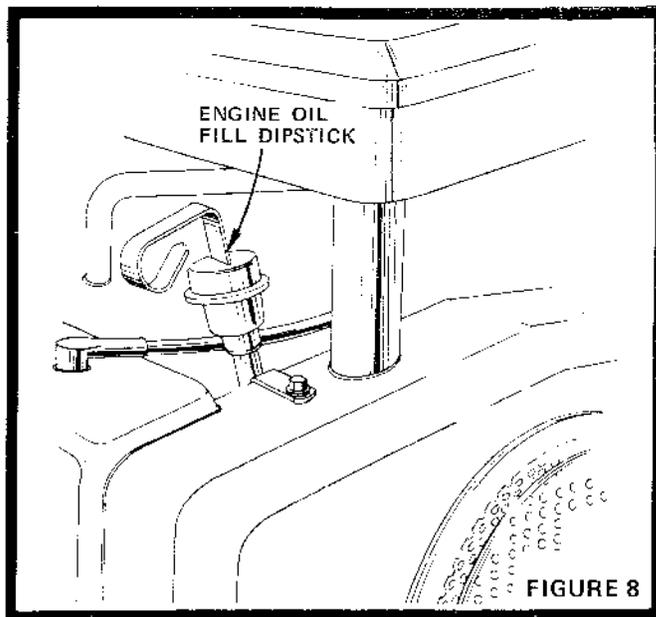


FIGURE 8

THIS TRACTOR IS EQUIPPED WITH SAFETY SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH PEDAL IS IN THE "ON" POSITION (FIG. 10) AND THE CLUTCH BRAKE PEDAL IS IN DRIVE POSITION (FIG. 12).

IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.



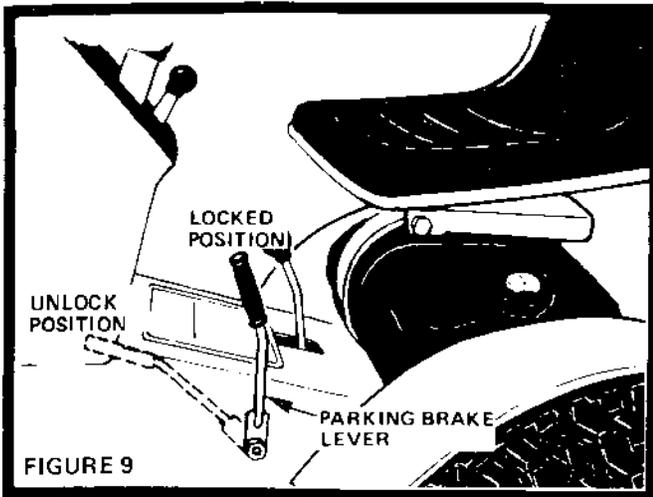


FIGURE 9

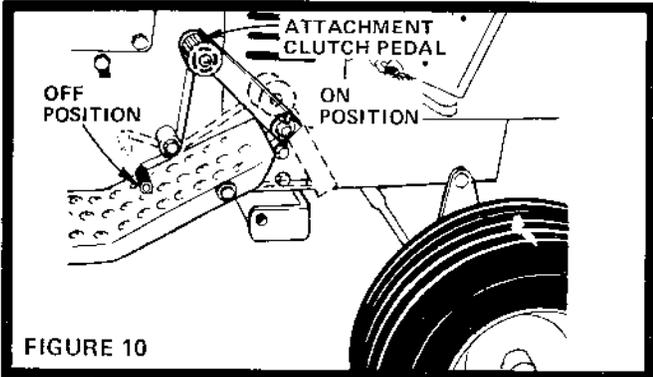


FIGURE 10

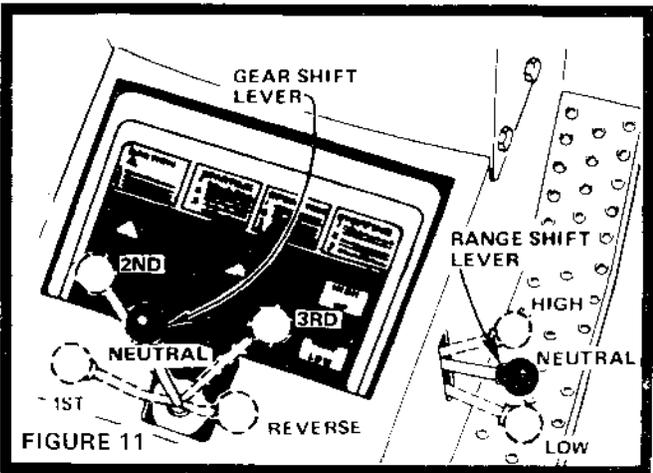


FIGURE 11

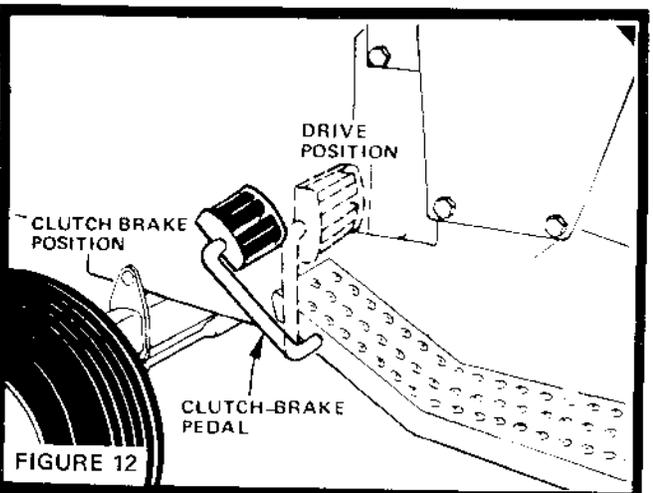


FIGURE 12

## OPERATION

### STARTING THE ENGINE

1. Place Parking Brake Lever in locked position (Fig. 9).
2. Place Attachment Clutch Pedal in "OFF" position (Fig. 10).
3. Place Gear Shift Lever in neutral "N" position (Fig. 11).
4. Move Range Shift Lever to "N" neutral position (Fig. 11).
5. Push Clutch-Brake Pedal into brake position (Fig. 12).
6. Move Throttle Control Lever to middle position (Fig. 13).
7. Pull Choke out (Fig. 13).
8. Turn Ignition Key to "START" position until Engine starts (Fig. 13). Release key into "ON" position.

**NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN THIRTY SECONDS AT A TIME.** If engine does not start after several attempts, move throttle Control Lever to "FAST" position, wait a few minutes, and try again.

**NOTE:** The Electric Lift Switch (Fig. 13) raises or lowers an attachment when used with an Electric Three Point Hitch (optional equipment).

### WARMING UP THE ENGINE

Move Throttle Control Lever to slow position. Push Choke in as engine warms. **NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.**

When restarting a warm engine, move Throttle Control Lever to middle position, Choke may not have to be used.

**ALWAYS WEAR SUBSTANTIAL FOOTWEAR AND AVOID LOOSE FITTING CLOTHING THAT COULD GET CAUGHT IN MOVING PARTS.**



**LEARN TO START, STOP AND REVERSE YOUR TRACTOR IN A LARGE, OPEN SPACE.**

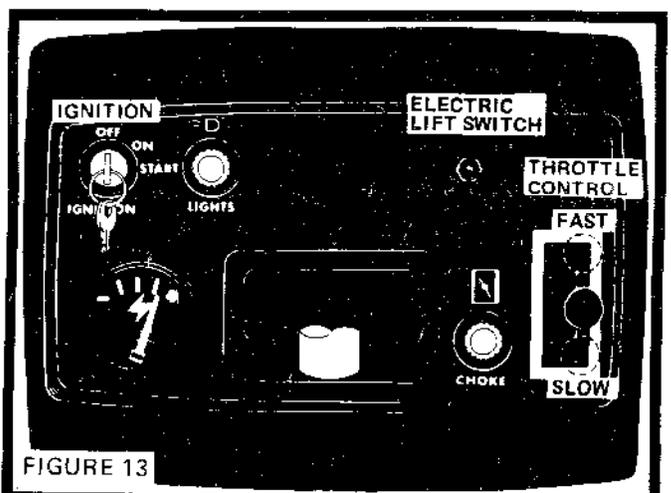


FIGURE 13

## TRACTOR OPERATION

1. With engine running and warm, place Throttle Lever in middle position.
2. Push Clutch-Brake Pedal down to brake position.
3. Move Gear Shift Lever to "2ND" and Range Shift Lever to "LOW".
4. Unlock Parking Brake.
5. Release Clutch-Brake Pedal SLOWLY to start forward movement.
6. If ground travel is too slow move Throttle Lever to fast position or press Clutch-Brake pedal and shift to a different gear. NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.

**BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.**



**NEVER PLACE YOUR HANDS OR FEET IN OR UNDER ANY POWERED ATTACHMENT OR NEAR ANY MOVING PART WHILE TRACTOR OR ANY POWERED ATTACHMENT IS RUNNING.**

## STOPPING YOUR TRACTOR

1. Reduce Throttle Lever to "SLOW" position.
2. Push Clutch-Brake Pedal into Brake position.
3. Place Attachment Clutch Pedal in "OFF" position and lower attachment to the ground.
4. Move Gear Shift Lever to neutral "N".
5. Place Parking Brake in "LOCK" position.
6. Release Clutch-Brake Pedal.



**MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.**

7. Turn Ignition Key to "OFF" position.



**REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.**

## TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever and Range Shift Lever in "N" (Neutral) position (Fig. 11). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

## TRACTOR OPERATION ON HILLS

1. Choose one of the lowest gears BEFORE starting up or down hills.



**DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15°, AND DO NOT DRIVE ACROSS ANY SLOPE.**

2. Avoid shifting or stopping on hills.
  - a. If slowing is necessary, move Throttle Control to middle position.
  - b. If stopping is necessary, push Clutch-Brake Pedal quickly to brake position to prevent rolling.
  - c. Lock Parking Brake and shift to lowest speed range.
  - d. Partially release Clutch-Brake Pedal (until forward movement begins).
  - e. Unlock Parking Brake.
  - f. Completely release Clutch-Brake Pedal.
3. Make all turns gradually.

## STARTING YOUR TRACTOR WITH A LOW BATTERY

If your Battery is too low to start the engine, it should be recharged. If "Jumper Cables" are used for emergency starting follow this procedure: NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM.



**LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASSES. KEEP SPARKS, FLAME, AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS SHIELD EYES AROUND BATTERIES.**

1. Connect each end of the RED cable to the POSITIVE (+) terminals of each battery (taking care not to short against chassis).
2. Connect one end of the BLACK cable to the NEGATIVE (-) terminal of "GOOD" battery.
3. Connect the other end of the cable to ENGINE BLOCK or good CHASSIS GROUND on tractor (away from Gas Tank or Battery).
4. Disconnect cables in reverse order:
  - a. Engine Block or chassis
  - b. Negative terminal of "GOOD" battery
  - c. Positive terminals



**DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.**

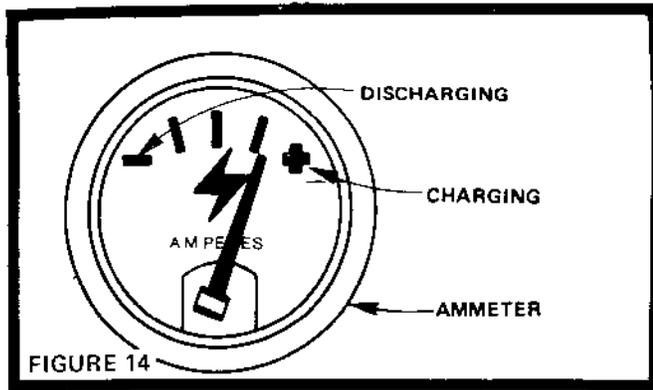


FIGURE 14

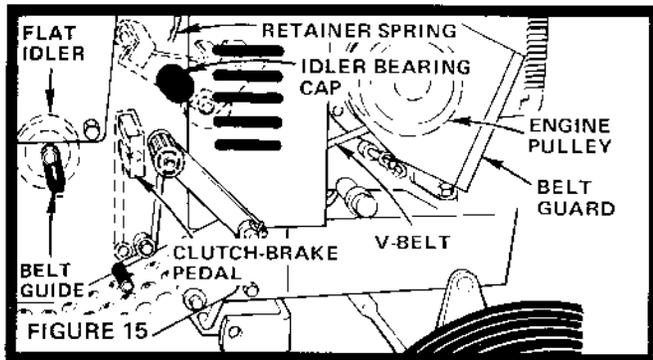


FIGURE 15

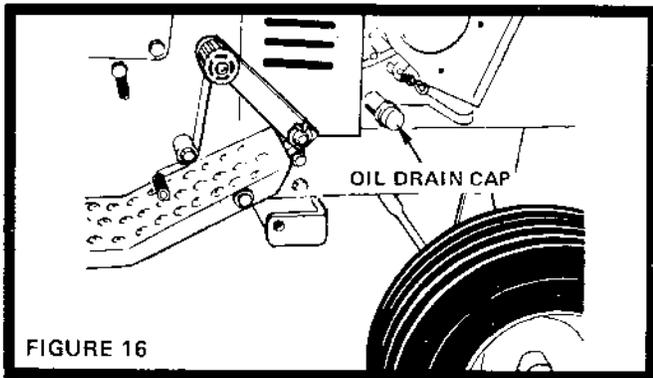


FIGURE 16

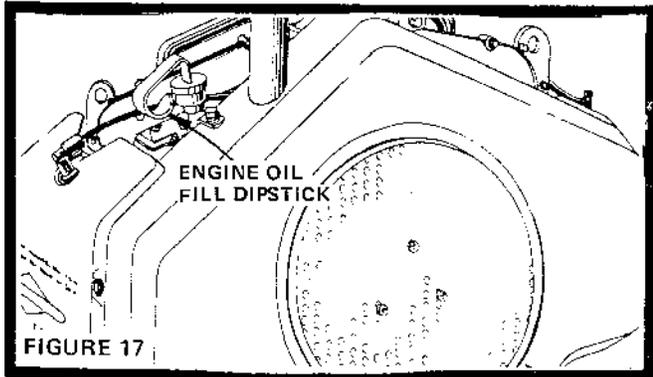


FIGURE 17

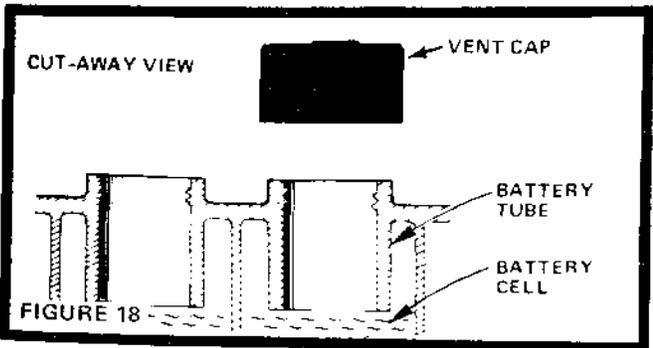


FIGURE 18

## MAINTENANCE

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule.

Each time you start your tractor, check your Ammeter (Fig. 14). The needle should move towards the + (charging) mark indicating the battery is being charged as you operate the tractor.



**DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT (EXCEPT CARBURETOR) OR REPAIR.**

### FIRST 2 HOURS: 1. CHECK V-BELT TENSION

A new V-Belt may stretch after the first few hours of operation. If Clutch-Brake Pedal, in drive position (Fig. 15), is considerably to the front or rear of the vertical position, the V-Belt is out of adjustment and must be re-tensioned.

- Secure Clutch-Brake pedal in brake position (relaxing V-Belt tension) by tying to front axle.
- Hold Nut on inside of Flat Idler and loosen Flat Idler Bolt.
- Move Flat Idler in frame slot 1/4 inch down (to tighten), up (to loosen) V-Belt tension. Tighten Bolt.
- Release Clutch-Brake Pedal. It should return to approximately vertical position.



**CHECK TO MAKE SURE TRACTOR DOES NOT START WITHOUT FULLY DEPRESSING CLUTCH-BRAKE PEDAL.**

**NOTE: FOR LONGER V-BELT LIFE, ALWAYS KEEP BELT TENSIONED PROPERLY. START TRACTOR MOVEMENT WITH THROTTLE CONTROL IN MIDDLE POSITION, AND ALWAYS REPLACE WITH SEARS V-BELTS.**

### 2. CHANGE ENGINE OIL

Changing Oil after the first two hours will help eliminate break-in residue which might be damaging to your Engine.

**Note:** Be careful not to allow dirt to enter the Engine when changing oil.

- Drain Oil with Engine warm. Unscrew Oil Drain Cap (Fig. 16) and catch Oil in a suitable container. Replace Cap.
- Refill Engine Oil (Fig. 17). In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). Capacity is 3 - 1/2 pints. **NOTE: DO NOT OVER-FILL.**

### FREQUENTLY:

#### 1. CHECK BATTERY

- Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 18). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- Keep Battery and Terminals clean. Refer to page 10.
- Keep Battery bolts tight.
- Keep Vent Caps tight and small Vent holes in caps open.
- Recharge **SLOWLY** at 3 amperes if specific gravity of electrolyte falls below 1.225.

#### 2. CHECK TIRE PRESSURE

Tire pressure in front and rear Tires should be 12 pounds.

#### 3. CLEAN AIR SCREEN

Air Screen (Fig. 21) must be kept free of dirt and chaff to prevent Engine damage from overheating.

## EVERY 5 HOURS:

### 1. CHECK ENGINE OIL LEVEL



**DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.**

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 17) clean, push it down tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). NOTE: DO NOT OVER-FILL.

### 2. LUBRICATE STEERING AND FRONT WHEELS

There are six Grease Fittings on your Tractor (Fig. 19). Using a Grease Gun, give each Grease Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 (Available through your Sears store).

### 3. OIL PIVOT POINTS

Place several drops of SAE 30 Oil at points where parts move against each other, especially:

- a. Idler Bearing (Fig. 15)
  - Remove Idler Bearing Cap.
  - Remove Retainer Spring from Idler Shaft.
  - Move Idler and Shaft outward and lubricate exposed Shaft.
  - Return Idler and Shaft to original position, replace Retainer Spring and reposition Cap.
- b. Front Axle Pivot (Fig. 19)

## EVERY 25 HOURS:

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

### 1. CLEAN PAPER CARTRIDGE AND FOAM PRE-CLEANER.

- a. Unscrew Knob (Fig. 20) to remove Cover, Cartridge Plate, Paper Cartridge and Oil Foam Pre-Cleaner.
  - b. Clean dust from Paper Cartridge by gently tapping Cartridge on a flat surface.
  - c. Wash Foam Pre-Cleaner in detergent and water.
  - d. Rinse, squeeze (rather than twist) and allow to dry thoroughly.
  - e. Coat with three tablespoons of S.A.E. 30 Engine Oil, knead to distribute evenly, and squeeze out excess.
  - f. Check Paper Cartridge. Replace if excessively dirty.
  - g. Reassemble Paper Cartridge and re-position on Tractor.
- NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

### 2. CLEAN AIR SCREEN

Air Screen (Fig. 21) must allow free-flow of air to prevent Engine damage from overheating. Clean with a wire brush to remove dirt, chaff, stubborn dried gum and fibers.

### 3. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a days operation when all dirt and foreign material is suspended in the hot Oil. Refer to page 6.

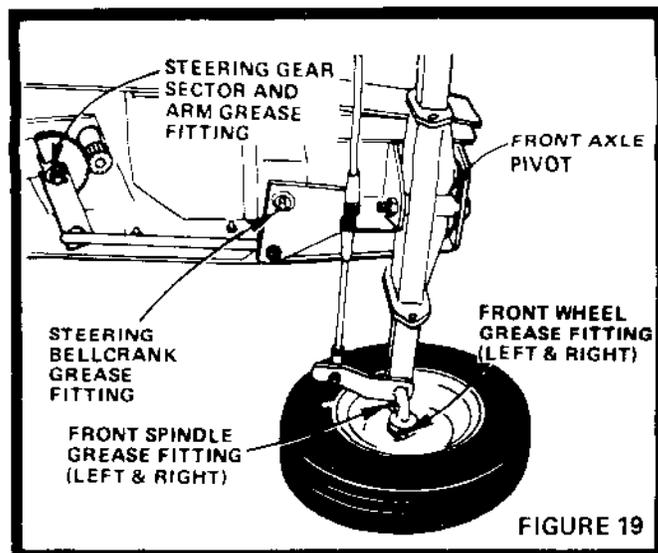


FIGURE 19

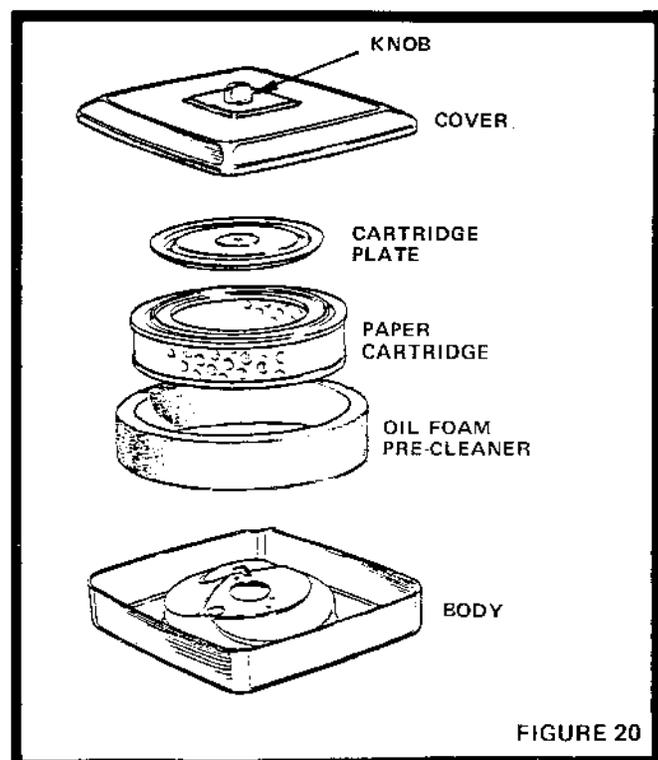


FIGURE 20

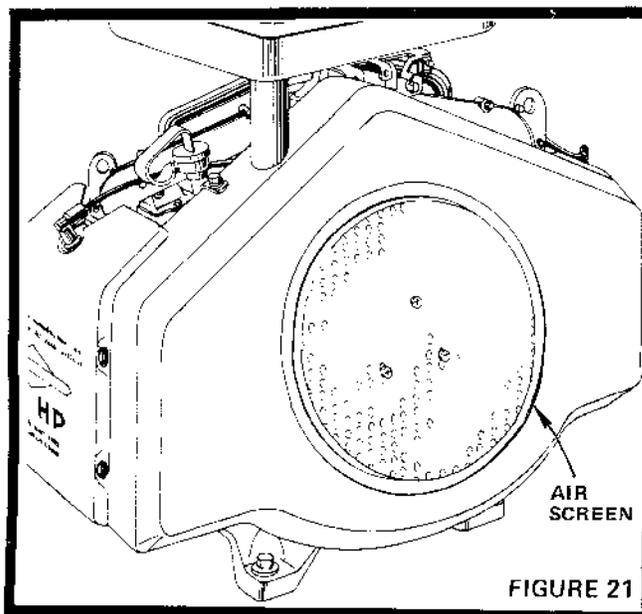
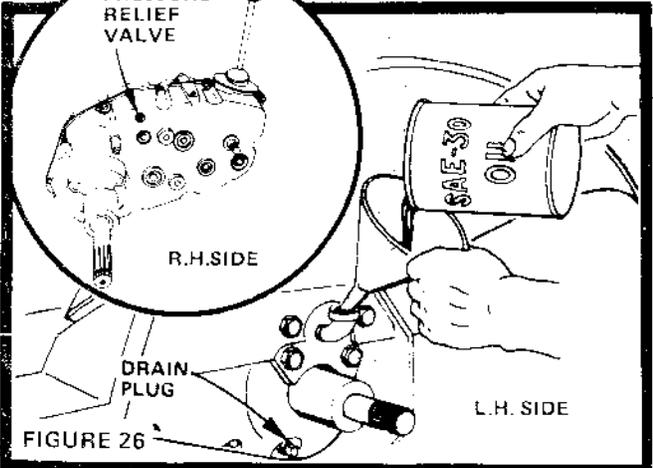
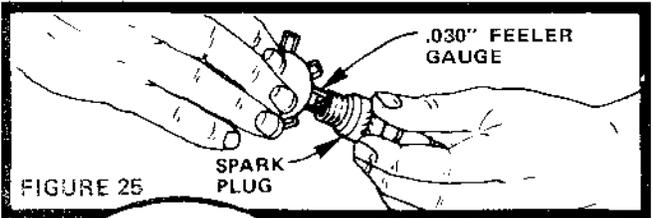
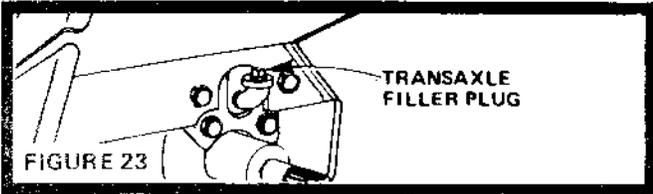
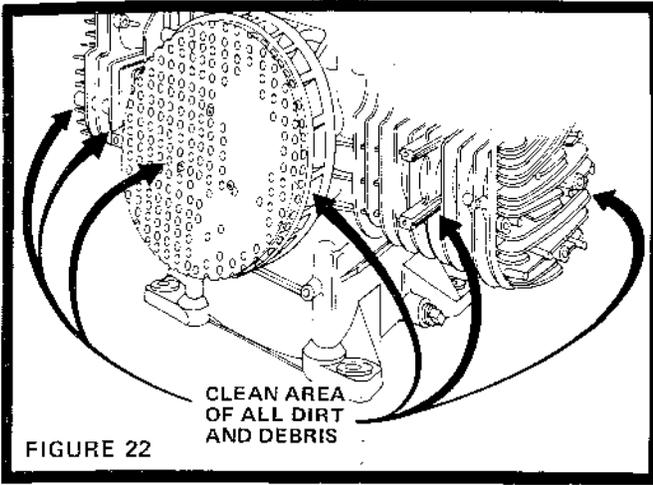


FIGURE 21



## EVERY 50 HOURS:

### 1. CLEAN ENGINE COOLING FINS

Remove any dust, dirt or oil from Engine Cooling Fins to prevent Engine damage from overheating. Remove Blower Housing and Shielding and clean areas shown in Fig. 22.

### 2. CHECK TRANSAXLE OIL LEVEL

- Block up Rear Axle securely or use a Tractor Jack. Remove left rear wheel by removing E-Ring (Fig. 33).
- Remove Filler Plug (Fig. 23) from Transaxle. Oil Level should be even with Filler Plug threads. Add S.A.E. 30 Motor Oil if necessary.
- Check Pressure Relief Valve located on R.H. side near top (Fig. 26). It should spring completely closed when pulled out by hand and released.
- Reposition wheel. Secure with E-Ring.

## EVERY 100 HOURS:

### 1. CLEAN SPARK PLUGS AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrodes and reset gap at .030 inch (Fig. 25). Replace Spark Plugs if they show signs of fouling or electrode erosion.

### 2. LUBRICATE BALL JOINTS

- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 28).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.

## EVERY 200 HOURS:

### REPLACE AIR CLEANER PAPER CARTRIDGE.

Refer to page 7.

## EVERY 480 HOURS:

### CHANGE TRANSAXLE OIL

- Block up Rear Axle securely or use a Tractor Jack. Remove Left Rear Wheel by removing E-Ring (Fig. 33).
- Drain Transaxle Oil by removing Drain Plug (Fig. 26) and catching Oil in suitable container. Replace Drain Plug.
- Refill Transaxle with S.A.E. 30 (SC, SD or SE) Motor Oil. Capacity is 5 quarts. Pressure Relief Valve (R.H. side of Transaxle, Fig. 26, Inset) may be held open to allow Transaxle to fill more quickly.
- Check Pressure Relief Valve. It should spring completely closed when pulled out by hand and released.
- Reposition wheel. Secure with E-Ring.

## AS NEEDED:

### 1. REPLACE IN-LINE FUEL FILTER

If fuel filter is clogged, obstructing fuel flow to carburetor, replacement is required.

- With Engine cool, remove and plug Fuel Line Sections as removed from both ends of Fuel Filter (Fig. 27).
- Place new Fuel Filter in position in Fuel Line.



**BE SURE THERE ARE NO FUEL LINE LEAKS AND THAT FUEL LINE IS IN PROPER POSITION IN HOSE CLAMPS.**

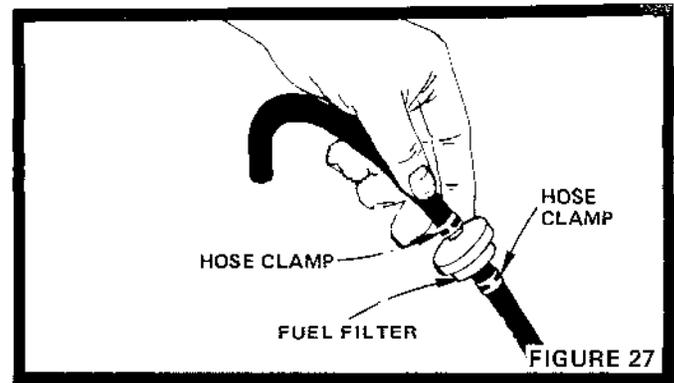


FIGURE 27

### 2. TOE-IN ADJUSTMENT

If any parts in Front Axle or Steering Mechanism are being replaced, Tie Rod adjustment is required.

- Loosen Jam Nuts (Fig. 28) at each end of Tie Rod Adjustment Sleeves.
- Adjust both Tie Rods so that Tie Rod Joints measure from 10 to 10 - 1/8 inches from center to center.
- Tighten Jam Nuts, making sure Tie Rod Joints are parallel (180°) to each other. This adjustment secures proper Front Wheel Toe-in and steering operation.

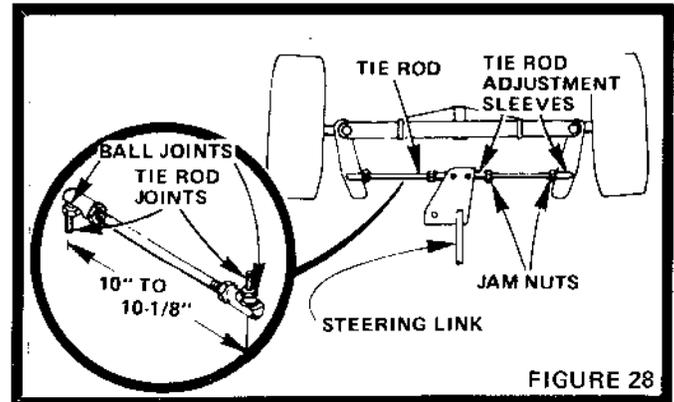


FIGURE 28

### 3. BRAKE ADJUSTMENT

If Clutch-Brake Pedal (Fig. 29) has more than approximately 4 inches of travel from vertical to full brake position then brake adjustment is necessary.

- Loosen Nut (Fig. 29) in order to turn turnbuckle clockwise (from in front of tractor) one turn at a time until Clutch-Brake Pedal regains 4 inches of travel.
- Tighten Nut against Turnbuckle.

### 4. PARKING BRAKE ADJUSTMENT

If Parking Brake will not hold tractor, Parking Brake adjustment is necessary.

- Loosen Parking Brake Hex Nuts Second and First (Fig. 29).
- Place Parking Brake Lever in locked position.
- Hold Clutch-Brake Pedal in brake position and tighten First Hex Nut finger tight against Bushing.
- Release Clutch-Brake Pedal and turn First Hex Nut two turns more against Bushing.
- Tighten Second Hex Nut against First Hex Nut.

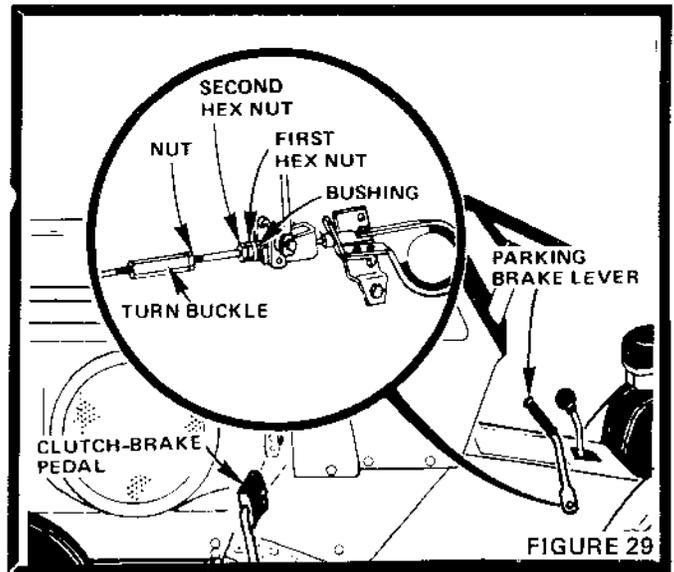


FIGURE 29

### 5. CARBURETOR ADJUSTMENT

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment.

- Adjust Carburetor to suggested initial settings.
  - Turn Needle Valve clockwise, closing finger tight ONLY, and then turn counterclockwise 1 - 1/2 turns (Fig. 30).
  - Turn Idle Valve clockwise, closing finger tight ONLY, and then turn counterclockwise 1 - 1/2 turns.

**CAUTION:** Valves may be damaged if turned in too far.

- Start Engine and allow to warm for five minutes.
- Make final adjustments with Engine running and Gear Shift Lever in "NEUTRAL" position.

- With Throttle Control in "SLOW" position, set idle air fuel first by holding Throttle Lever against Idle Stop and set Idle Speed Adjusting Screw to give an engine speed of 1400 RPM. Turn Idle Valve clockwise slowly until engine begins to miss and then set 1/2 turn counterclockwise.

Set Idle Speed Screw to give engine speed of 900 RPM. When Throttle Lever is released from Idle Stop, engine speed should be between 1000 and 1400 RPM and controlled by governor.

**NOTE:** All above speed and fuel mixture adjustments must be done with the Throttle Lever held against the Idle Stop.

- With Throttle Control in "FAST" position, turn Needle Valve slowly clockwise until engine begins to miss and then set 1/2 turn counterclockwise.

**NOTE:** If engine hesitates when moving Throttle Control from "SLOW" to "FAST" positions, turn Needle Valve counterclockwise 1/8 turn to 1/4 turn.

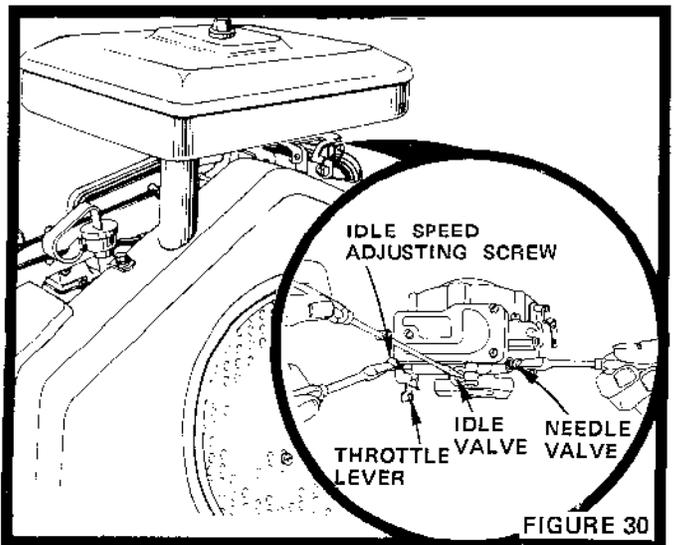


FIGURE 30

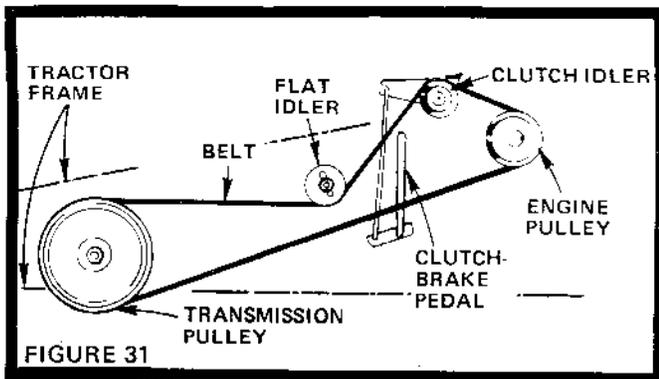


FIGURE 31

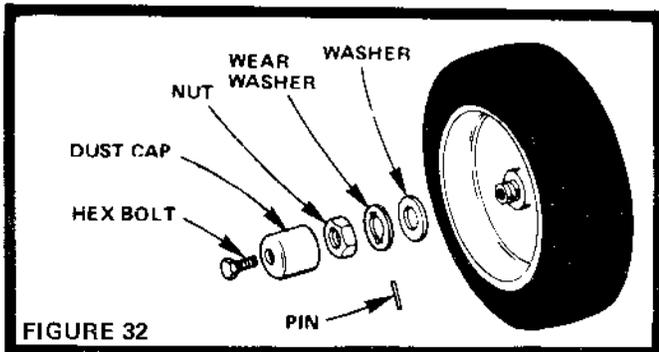


FIGURE 32

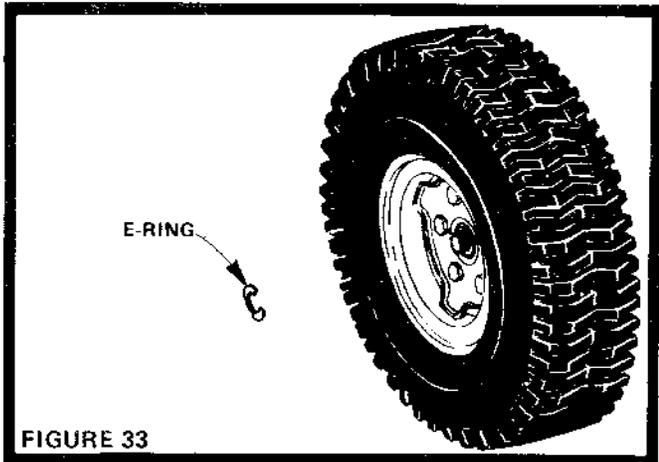


FIGURE 33

## 6. RE-TENSION V-BELT

It may be occasionally necessary to re-tension V-Belt. (See page 6).



CHECK TO MAKE SURE TRACTOR DOES NOT START WITHOUT FULLY DEPRESSING CLUTCH-BRAKE PEDAL.

## 7. V-BELT REPLACEMENT

- Remove Belt from Clutch Idler by depressing Clutch-Brake Pedal (Fig. 31).
- Remove Belt Guide from Engine Pulley.
- Remove Rear Belt Guide Assembly from Transmission Pulley.
- Loosen Flat Idler Assembly on R.H. side of Tractor Frame.
- Remove Belt from Engine Pulley, between Belt Guide Finger (note position of Belt) and Flat Idler, and Transmission Pulley.
- Place new Belt around Transmission Pulley. Then place Belt between Belt Guide Finger and Flat Idler and then around Engine Pulley.
- Depress Clutch-Brake Pedal and slip Belt over the top of the Clutch Idler.
- Replace Engine Pulley Belt Guide and Transmission Pulley Belt Guide. Tighten Flat Idler Assembly. NOTE: Make sure Belt Guide Finger on Flat Idler is parallel with slot in Tractor Frame.
- Check Belt tension, page 6.

## 8. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power and hinders the operation of the charger.

- Remove the Battery from the Tractor and wash with four tablespoons of baking soda to one gallon of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS. Rinse the Battery with plain water, dry and reinstall on Tractor.
- Clean Terminals and Battery Cables with a wire brush until bright. Replace Battery Cables. Coat terminal connections with Vaseline.

## 9. TIRE CARE

- Maintain tire pressure in front and rear tires of 12 pounds.
- Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- Removing front wheel for tire repair (Fig. 32).
  - Block up front axle securely or use a Tractor Jack.
  - Remove Hex Bolt and Dust Cap.
  - Remove Nut, Wear Washer, Pin and Washer to allow wheel removal.
  - Repair tire and reassemble.
- Removing rear wheel for tire repair (Fig. 33).
  - Block up rear axle securely or use a Tractor Jack.
  - Remove E-Ring to allow wheel removal.
  - Repair tire and reassemble. Snap E-Ring securely in axle groove.

## 10. FINISH

Keep tractor finish free of gasoline, oil, insect chemicals or battery electrolyte. Protect painted surfaces with Automotive type wax.

## TROUBLE SHOOTING

| POSSIBLE CAUSE   | POSSIBLE REMEDY  |
|--|--|
| <b>WILL NOT START</b><br>Clutch-Brake Pedal in drive position<br>Attachment Clutch Pedal in "ON" position<br>No gasoline in Fuel Tank, clogged Fuel Filter or Fuel Line<br>Blown Fuse<br>Dead Battery  | Press Pedal into brake position<br>Move Pedal to "OFF" position<br>Fill Tank with Gasoline. Check Fuel Line, Fuel Filter and Carburetor (clean if necessary)<br>Check for fault and replace Fuse<br>Recharge or replace Battery  |
| <b>HARD TO START</b><br>Choked improperly, flooded Engine<br><br>Clogged Fuel Filter<br>Clogged Fuel Tank<br>Dirty Air Cleaner<br>Spark Plugs dirty or improper gap<br>Defective Battery<br>Defective Ignition or loose wiring<br>Water in gasoline or old fuel<br><br>Improper Carburetor adjustment                              | Push Choke in, place Throttle Control in middle position and run starter several times to clear out gas<br>Remove and replace<br>Remove and clean<br>Remove and clean<br>Clean, adjust gap or replace<br>Recharge or replace<br>Check the wiring and Spark Plugs<br>Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plugs<br>Make necessary adjustments |
| <b>ENGINE MISSES OR LACKS POWER</b><br>Engine overload<br>Clogged Fuel Filter<br>Clogged Fuel Tank<br>Partially plugged Air Cleaner<br>Improper Carburetor adjustment<br>Dirty Air Screen<br>Low oil level or dirty oil<br>Spark Plugs dirty, improper gap or wrong type<br>Faulty ignition<br>Poor compression<br>Oil in gasoline | Shift to a lower gear or reduce load<br>Remove and replace<br>Remove and clean<br>Remove and clean<br>Make necessary adjustments<br>Clean Air Screen and Cylinder Fins<br>Add or change oil<br>Clean, reset gap or replace<br>Check Spark Plugs and for loose wires<br>Major Engine overhaul<br>Drain and refill Gas Tank and Carburetor                               |
| <b>ENGINE OVERHEATS</b><br>Dirty Air Screen<br>Low oil level or dirty oil<br>Dirty Engine<br>Partially plugged Mufflers<br>Partially plugged Air Cleaner<br>Stale fuel or improper Carburetor adjustment   | Clean Air Screen<br>Add or change oil<br>Clean Cylinder Fins<br>Remove and clean Muffler<br>Remove and clean<br>Use fresh fuel and adjust Carburetor   |
| <b>NO LIGHTS</b><br>No Headlights or Taillight with Light Switch Knob pulled out   | Check Fuse, Wire Connections and Switch. Replace Taillight Bulb or Sealed Beam Headlights  |
| <b>WON'T CHARGE</b><br>Blown Fuse<br>Defective Battery   | Check for fault and replace<br>Replace   |

## STORAGE

### 1. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. Refer to page 6.

### 2. FUEL SYSTEM

- Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

### 3. CYLINDER

- Remove Spark Plugs.
- Pour one ounce of oil through spark plug holes into cylinders.
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace Spark Plugs.

### 4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F). NOTE: DO NOT STORE BATTERY DIRECTLY ON CEMENT SURFACE.
- Check electrolyte charge each month and recharge if below 1.225 specific gravity. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHUR DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

### 5. GENERAL CLEANING

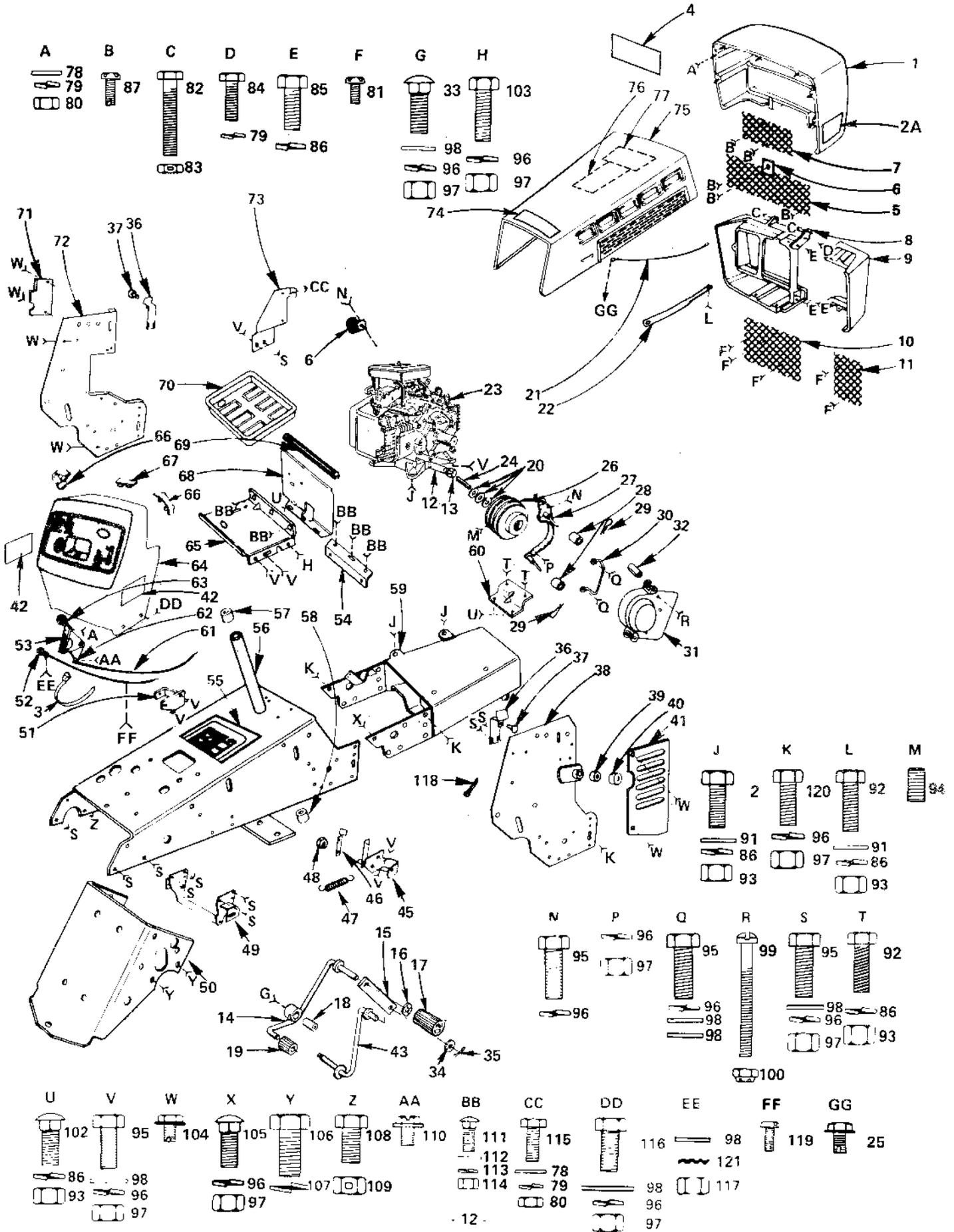
Clean engine, battery, finish, etc. of all foreign matter.

Sears, Roebuck and Co. or Simpsons-Sears Ltd. in Canada reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon its items heretofore manufactured.

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

MAIN FRAME, DASH AND GRILL



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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## MAIN FRAME, DASH AND GRILL

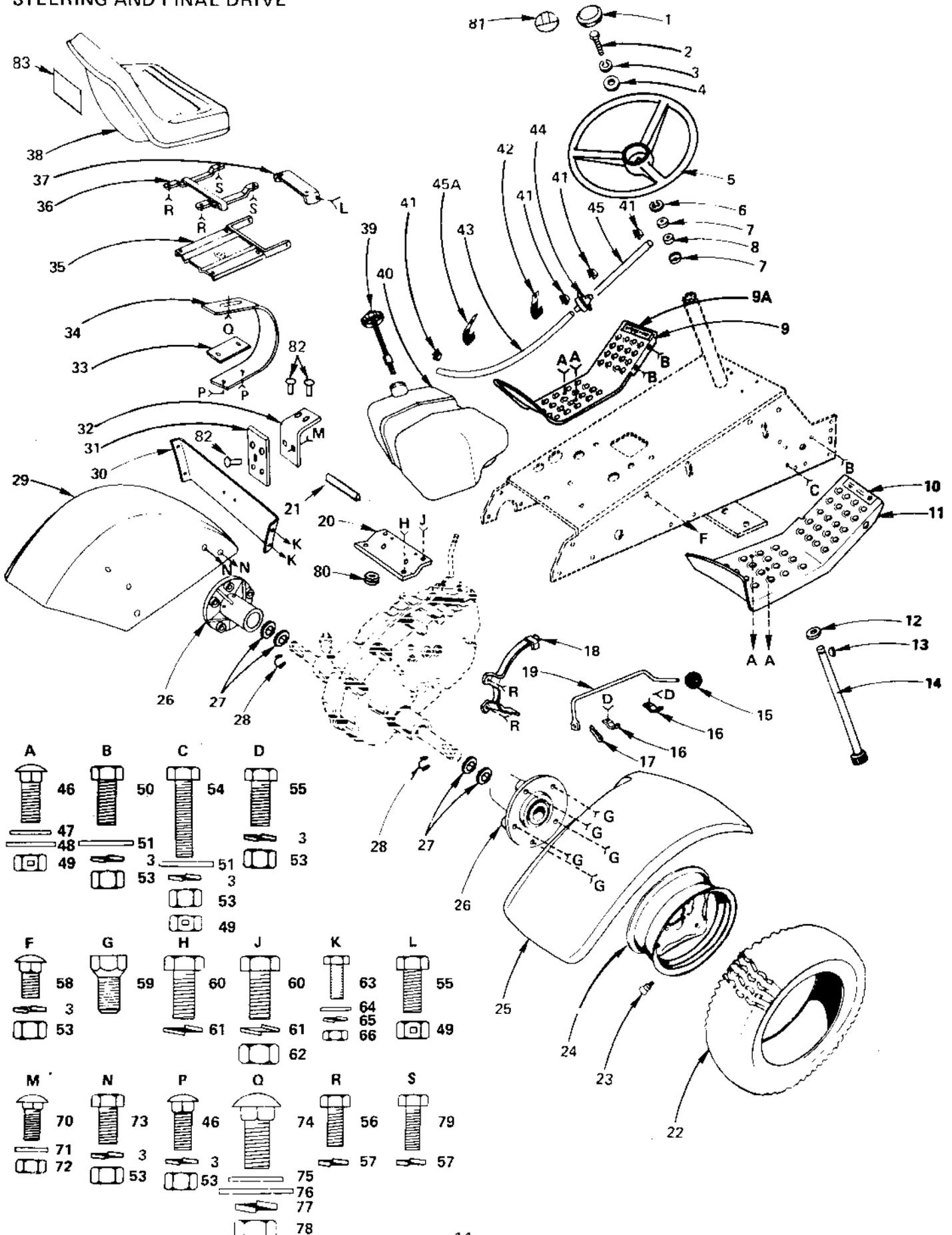
| KEY NO. | PART NO. | DESCRIPTION   | KEY NO. | PART NO. | DESCRIPTION   |
|---------|----------|---|---------|----------|---|
| 1       | 911J     | Grill - Upper   | 68      | 107J     | Battery Heat Shield   |
| 2A      | 885J     | Decal - Sears Logo  | 69      | 7874R    | Hood Seal   |
| 3       | 6106R    | Tire - Wire   | 70      | 8855R    | Battery Tray  |
| 4       | 886J     | Decal - Sears   | 71      | 86J      | Cover - L.H.  |
| 5       | 2794R    | Grill Screen - Center   | 72      | 113J     | Bracket - Battery Support - L.H.  |
| 6       | 5320R    | Wire Clip   | 73      | 98J      | Bracket - Rectifier   |
| 7       | 2672R    | Grill Screen - Upper  | 74      | 285J     | Decal - Six Speed   |
| 8       | 868J     | Grill - Lower   | 75      | 634A907  | Hood Ass'y.   |
| 9       | 7938R    | Grill Side  | 76      | 8028R    | Decal - Instruction   |
| 10      | 2674R    | Grill Screen - L.H.   | 77      | 297J     | Decal - Wiring  |
| 11      | 2673R    | Grill Screen - R.H.   | 78      | 1506P    | *Washer 9/32 x 5/8 x 16 Ga.   |
| 12      | 4016P    | Pipe Nipple 3/8 - 18 N.P.T. x 4 - 1/2                                     | 79      | 1002P    | *Lockwasher 1/4   |
| 13      | 4010P    | Pipe Cap 3/8 - 18 N.P.T.  | 80      | 503P     | *Hex Nut 1/4 - 20 UNC   |
| 14      | 634A901  | Pedal Weldment  | 81      | 5501P    | Phillips Pan Hd. Thd. Self Tap.<br>10 - 24 x 3/8 Type T                 |
| 15      | 89J      | Link  | 82      | 3267P    | *Hex Bolt 1/4 - 20 x 1 - 1/2 Grade 5                                    |
| 16      | 92J      | Push-On Nut   | 83      | 1605H    | Locknut 1/4 - 20 UNC  |
| 17      | 93J      | Rubber Pedal  | 84      | 3003P    | *Hex Bolt 1/4 - 20 x 3/4  |
| 18      | 91J      | Pivot Spacer  | 85      | 3010P    | *Hex Bolt 5/16 - 18 x 3/4   |
| 19      | 267J     | Foot Pedal  | 86      | 1003P    | *Lockwasher 5/16  |
| 20      | 1606P    | Washer 1 - 1/16 x 2 x .140  | 87      | 5554P    | *Phillips Pan Hd. Thd. Self Tap<br>10 - 16 Hi-Lo Thd. x 1/2 Blunt Point |
| 21      | 8058R    | Grill Cable   | 91      | 1537P    | *Washer 11/32 x 11/16 x 16 Ga.  |
| 22      | 101J     | Grill Brace   | 92      | 3011P    | *Hex Bolt 5/16 - 18 x 1   |
| 23      | 634A896  | Engine, Briggs and Stratton 16 H.P.<br>Model No. 401417, Type No. 0127-01 | 93      | 504P     | *Hex Nut 5/16 - 18 UNC  |
| 24      | 9396E    | Sq. Key 1/4 x 2   | 94      | 4540P    | Hex Forged Socket Hdless. Set Screw<br>5/16 - 18 x 1/2                  |
| 25      | 5584P    | Hex Washer Hd. Thread Cutting<br>Screw 1/4 - 20 x 3/4 Type T              | 95      | 3023P    | *Hex Bolt 3/8 - 16 x 1  |
| 26      | 634A404  | Engine Pulley (Inc. 2 ea. Key No. 94)                                     | 96      | 1004P    | *Lockwasher 3/8   |
| 27      | 634A792  | Belt Guide Weldment   | 97      | 501P     | *Hex Nut 3/8 - 16 UNC   |
| 28      | 8704H1   | Spacer  | 98      | 1513P    | *Washer 13/32 x 13/16 x 16 Ga.  |
| 29      | 4939M    | Retainer Spring   | 99      | 3154P    | Sl. Fil. Hd. Machine Screw<br>1/4 - 20 x 2 - 1/4                        |
| 30      | 9011H    | Belt Retainer   | 100     | 347H     | Huglock Nut 1/4 - 20 UNC  |
| 31      | 634A660  | Belt Guard Weldment   | 102     | 5P       | *Carriage Bolt 5/16 - 18 x 3/4  |
| 32      | 8238H    | Split Spacer  | 103     | 3025P    | *Hex Bolt 3/8 - 16 x 1 - 1/4  |
| 33      | 50P      | Sq. Neck Carriage Bolt 3/8 - 16 x 2 - 1/4                                 | 104     | 5557P    | Hex Washer Hd. Thd. Cutting Screw<br>1/4 - 20 x 1/2 Type 1              |
| 34      | 1545P    | Washer 17/32 x 1 x 16 Ga.   | 105     | 61P      | Sq. Neck Carriage Bolt - Short Shoulder<br>3/8 - 16 x 1 Gr. 5           |
| 35      | 2506P    | *Cotter Pin 1/8 x 1   | 106     | 3035P    | Hex Bolt 7/16 - 14 x 1 - 1/4  |
| 36      | 634A900  | Hood Latch  | 107     | 1001P    | *Lockwasher 7/16  |
| 37      | 8457R    | Support Bumper  | 108     | 3021P    | *Hex Bolt 3/8 - 16 x 3/4  |
| 38      | 634A903  | Battery Support Bracket (Inc. Key 39)                                     | 109     | 5394H    | Locknut 3/8 - 16 UNC  |
| 39      | 7756R    | Bearing   | 110     | 6055P    | Hex Sl. Hd. Machine Screw w/Sems<br>Int. Tooth Lockwasher 10 - 32 x 1/4 |
| 40      | 8006R    | Cap   | 111     | 53P      | Sq. Neck Carriage Bolt 10 - 24 x 1/2                                    |
| 41      | 7729R    | Cover - R.H.  | 112     | 1535P    | Washer 7/32 x 7/16 x 18 Ga.   |
| 42      | 280J     | Model Decal - Side of Dash  | 113     | 1006P    | *Lockwasher No. 10  |
| 43      | 634A902  | Lever Weldment  | 114     | 505P     | *Hex Nut 10 - 24 UNC  |
| 45      | 634A785  | Hanger Weldment R.H. - Front  | 115     | 3114P    | *Hex Bolt 1/4 - 20 x 1/2  |
| 46      | 7944R    | Belt Tightener Arm  | 116     | 3027P    | *Hex Bolt 3/8 - 16 x 1 - 1/2  |
| 47      | 7948R    | Return Spring   | 117     | 515P     | *Hex Nut 3/8 - 24 UNF   |
| 48      | 7810H    | Locknut 3/8 - 24 UNF  | 118     | 2514P    | Cotter Pin 1/4 x 1  |
| 49      | 634A814  | Hanger Weldment - Rear  | 119     | 5592P    | *Slotted Pan Hd. Self Tap.<br>Screw No. 8 x 3/4 Type AB                 |
| 50      | 634A787  | Drawbar and Weldnuts  | 120     | 3137P    | *Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5                                      |
| 51      | 634A355  | Hanger Weldment - L.H. - Front  | 121     | 1402P    | Ext. Tooth Lockwasher - 3/8   |
| 52      | 7161H    | Choke Control   |         |          |   |
| 53      | 301J     | Throttle Control (Inc. Key 61, 62 & 63)                                   |         |          |   |
| 54      | 97J      | Adaptor Bar   |         |          |   |
| 55      | 9634R    | Decal - Shift Pattern   |         |          |   |
| 56      | 634A888  | Chassis Ass'y. (Inc. Key 57 & 58)   |         |          |   |
| 57      | 6468H    | Bearing   |         |          |   |
| 58      | 4766H    | Bearing   |         |          |   |
| 59      | 634A908  | Engine Mount Ass'y.   |         |          |   |
| 60      | 96J      | Grill Spacer  |         |          |   |
| 61      | 661J     | Throttle Wire & Casing  |         |          |   |
| 62      | 8204R    | Clamp   |         |          |   |
| 63      | 660J     | Throttle Control Knob   |         |          |   |
| 64      | 634A893  | Dashboard (Inc. Key No's. 66 and 67)                                      |         |          |   |
| 65      | 106J     | Battery Support   |         |          |   |
| 66      | 1998R    | Clip - Dashboard  |         |          |   |
| 67      | 8571R    | Clip - Dashboard, Center  |         |          |   |

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

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## STEERING AND FINAL DRIVE



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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## STEERING, AND FINAL DRIVE

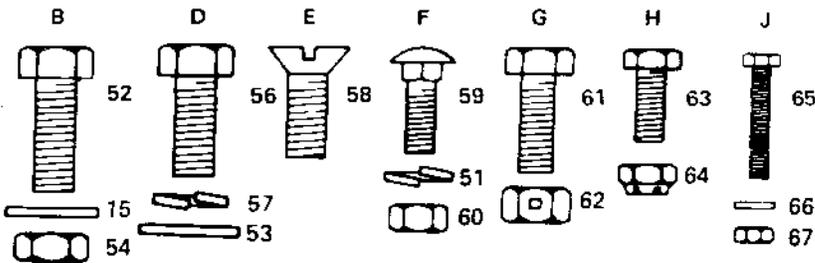
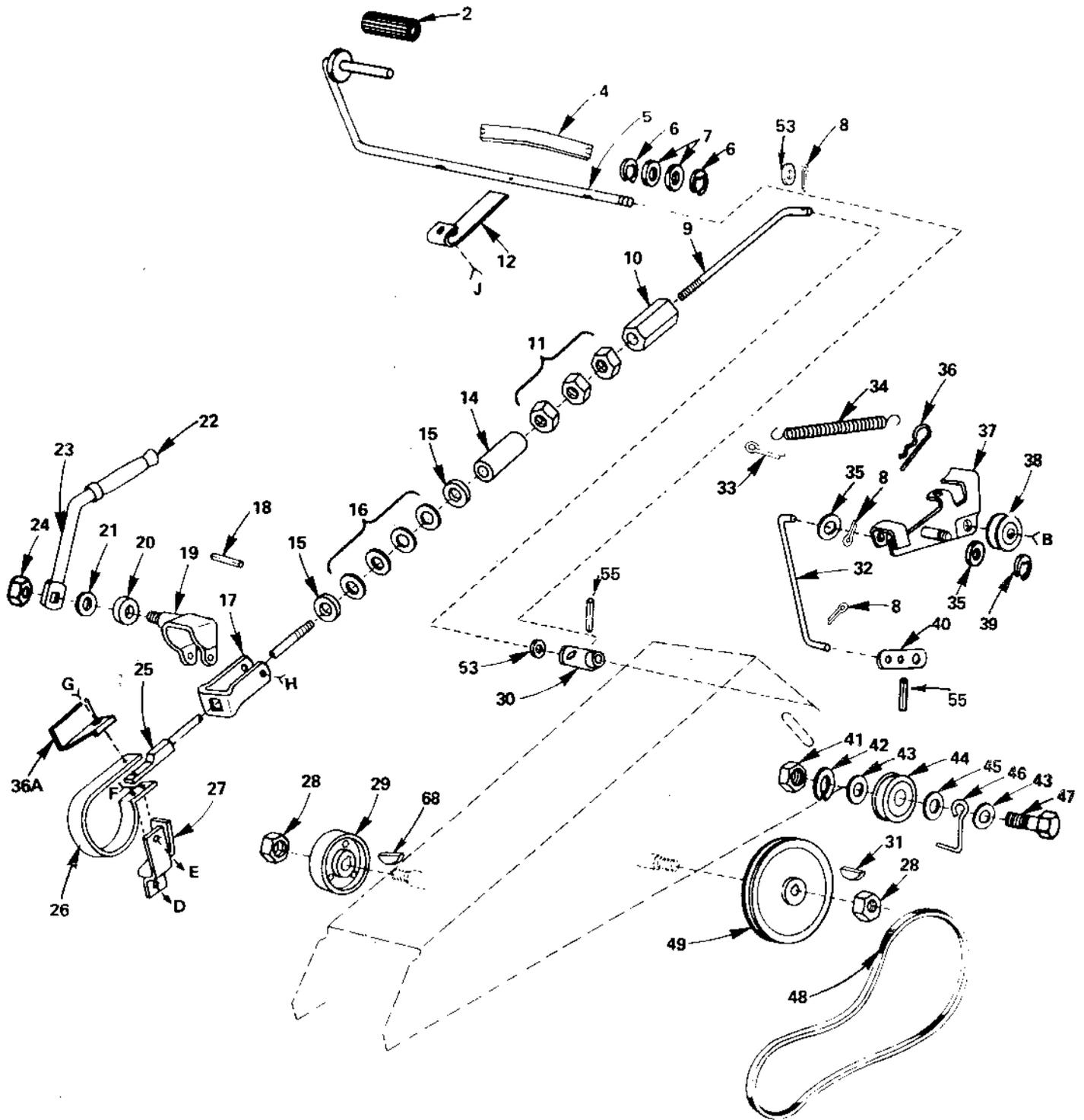
| KEY NO. | PART NO. | DESCRIPTION                     | KEY NO. | PART NO. | DESCRIPTION  |
|---------|----------|---------------------------------|---------|----------|--|
| 1       | 641J     | Steering Wheel Insert           | 46      | 61P      | Sq. Nk. Sht. Shld. Carr. Bolt 3/8 -16 x 1 Gr. 5        |
| 2       | 3023P    | *Hex Bolt 3/8 - 16 x 1          | 47      | 1513P    | *Washer 13/32 x 13/16 x 16 Ga.                         |
| 3       | 1004P    | *Lockwasher 3/8                 | 48      | 1519P    | Washer 15/32 x 1 x 12 Ga.                              |
| 4       | 1559P    | Washer 7/16 x 1 x 10 Ga.        | 49      | 5394H    | Locknut 3/8 UNC  |
| 5       | 4820R    | Steering Wheel                  | 50      | 3025P    | *Hex Bolt 3/8 - 16 x 1 - 1/4                           |
| 6       | 5003P    | E-Ring                          | 51      | 1557P    | Washer 13/32 x 13/16 x 11 Ga.                          |
| 7       | 9007H    | Cap                             |         |          |  |
| 8       | 5949H    | Rubber Bushing                  | 53      | 501P     | *Hex Nut 3/8 - 16 UNC                                  |
| 9       | 7903R    | Foot Rest - L.H.                | 54      | 3027P    | *Hex Bolt 3/8 - 16 x 1 - 1/2                           |
| 9A      | 7999R    | Decal - Clutch/Brake            | 55      | 3022P    | Hex Bolt 3/8 - 16 x 7/8                                |
| 10      | 8900R    | Decal (Attach. Clutch)          | 56      | 3010P    | *Hex Bolt 5/16 - 18 x 3/4                              |
| 11      | 7904R    | Foot Rest - R.H.                | 57      | 1003P    | *Lockwasher 5/16                                       |
| 12      | 1553P    | Washer 57/64 x 1 - 1/4 x 16 Ga. | 58      | 19P      | *Sq. Neck Carriage Bolt 3/8 - 16 x 3/4                 |
| 13      | 9858M1   | Woodruff Key 3/16 x 5/8         | 59      | 1304H    | Hub Bolt   |
| 14      | 634A626  | Steering Shaft and Pinion       | 60      | 3034P    | Hex Bolt 7/16 - 14 x 1                                 |
| 15      | 7987R    | Control Knob                    | 61      | 1001P    | *Lockwasher 7/16                                       |
| 16      | 6442H    | Shift Rod Bracket               | 62      | 500P     | *Hex Nut 7/16 - 14 UNC                                 |
| 17      | 2511P    | *Cotter Pin 3/16 x 1            | 63      | 3003P    | *Hex Bolt 1/4 - 20 x 3/4                               |
| 18      | 634A22A  | Belt Guide                      | 64      | 1506P    | *Washer 9/32 x 5/8 x 16 Ga.                            |
| 19      | 6477H    | Range Shift Rod                 | 65      | 1002P    | *Lockwasher 1/4  |
| 20      | 9594R    | Transmission Bracket            | 66      | 503P     | *Hex Nut 1/4 - 20 UNC                                  |
| 21      | 8674R    | Seat Stop                       | 70      | 5P       | *Short Shoulder Sq. Neck Carriage Bolt 5/16 - 18 x 3/4 |
| 22      | 794J     | Rear Tire 23 x 9.50 - 12        | 71      | 1537P    | *Washer 11/32 x 11/16 x 16 Ga.                         |
| 23      | 795R     | Tire Valve                      | 72      | 1685H    | Lock Nut 5/16 - 18 UNC                                 |
| 24      | 468J     | Rear Wheel 12 x 7 JA            | 73      | 3021P    | *Hex Bolt 3/8 - 16 x 3/4                               |
| 25      | 9428R    | Fender - R.H.                   | 74      | 52P      | Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5                 |
| 26      | 634A692  | Rear Wheel Hub and Bushing      | 75      | 1578P    | Washer 3/4 x 1 - 1/8 x 11 Ga.                          |
| 27      | 7563R    | Axle Thrust Washer              | 76      | 1560P    | Washer 17/32 x 1 - 1/2 x 11 Ga.                        |
| 28      | 5845R    | Retaining Ring                  | 77      | 1000P    | *Lockwasher 1/2  |
| 29      | 9427R    | Fender - L.H.                   | 78      | 502P     | *Hex Nut 1/2 - 13 UNC                                  |
| 30      | 2656R    | Bracket - Tail Light            | 79      | 3159P    | *Hex Bolt 5/16 - 18 x 7/8                              |
| 31      | 125J     | Seat Stop Bracket               | 80      | 9547R    | Rubber Grommet   |
| 32      | 126J     | Fuel Tank Retainer              | 81      | 372J     | Steering Wheel Decal                                   |
| 33      | 8141H    | Seat Spring Reinforcement       | 82      | 124J     | Rubber Bumper  |
| 34      | 7898R    | Seat Spring                     | 83      | 279J     | Decal - Sears  |
| 35      | 634A776  | Seat Plate Weldment             | ---     | 53J      | Warranty Fact Tag                                      |
| 36      | 634A532  | Seat Bracket Weldment           | ---     | 270J     | Owners Manual  |
| 37      | 7897R    | Bracket, Seat Pivot             |         |          |  |
| 38      | 268J     | Seat                            |         |          |  |
| 39      | 7886R    | Fuel Gauge                      |         |          |  |
| 40      | 7885R    | Fuel Tank                       |         |          |  |
| 41      | 6999R    | Fuel Line Clamp                 |         |          |  |
| 42      | 2751R    | Clip - Fuel Line                |         |          |  |
| 43      | 8373R    | Fuel Line (Long)                |         |          |  |
| 44      | 266J     | In-Line Filter                  |         |          |  |
| 45      | 135J     | Fuel Line                       |         |          |  |
| 45A     | 9297R    | Clip - Fuel Line                |         |          |  |

\*STANDARD HARDWARE -PURCHASE LOCALLY

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## BRAKE AND CLUTCH



# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## BRAKE AND CLUTCH

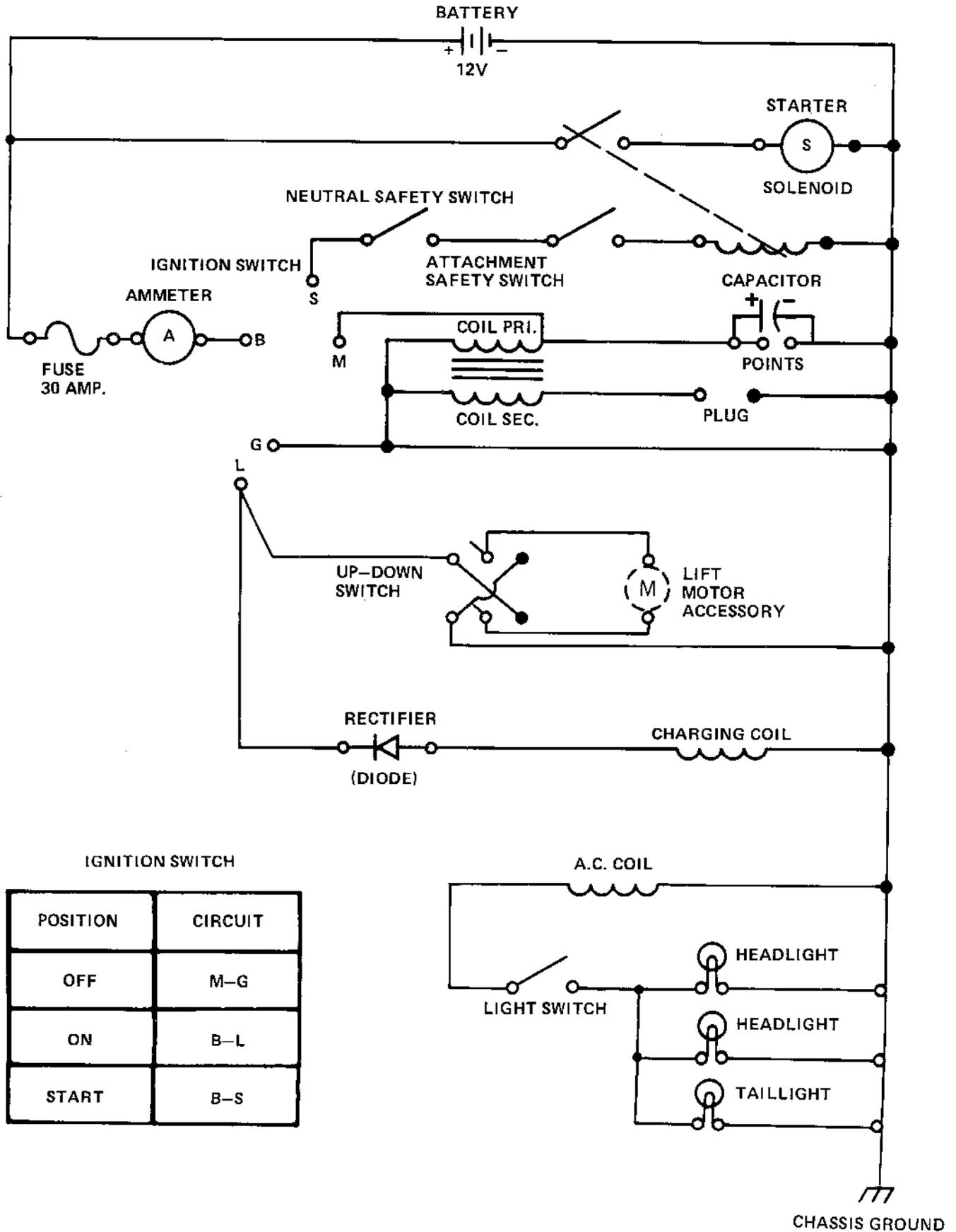
| KEY NO. | PART NO. | DESCRIPTION                        | KEY NO. | PART NO. | DESCRIPTION   |
|---------|----------|------------------------------------|---------|----------|---|
| 2       | 8156H    | Foot Pedal Cover                   | 37      | 634A754  | Idler Bracket Weldment                              |
| 4       | 9008H    | Spring                             | 38      | 6636H    | Idler   |
| 5       | 634A906  | Foot Pedal Shaft Weldment          | 39      | 5002P    | E-Ring  |
| 6       | 5001P    | E-Ring                             | 40      | 634A898  | Steering Arm Assembly                               |
| 7       | 1527P    | Washer 21/32 x 7/8 x 16 Ga.        | 41      | 500P     | *Hex Nut 7/16 - 14 UNC                              |
| 8       | 2505P    | Cotter Pin 1/8 x 3/4               | 42      | 1001P    | *Lockwasher 7/16                                    |
| 9       | 2202R    | Brake Rod - Front                  | 43      | 1544P    | *Washer 15/32 x 15/16 x 16 Ga.                      |
| 10      | 6417H    | Turnbuckle                         | 44      | 6635H    | Flat Idler  |
| 11      | 501P     | *Hex Nut 3/8 - 16 UNC              | 45      | 1520P    | Washer .469 I.D. x 1 - 1/8 x 11 Ga.                 |
| 12      | 7823R    | Safety Start Actuator              | 46      | 6479H1   | Belt Finger   |
| 14      | 2201R    | Bushing                            | 47      | 3262P    | Hex Bolt 7/16 - 14 x 2 - 1/2                        |
| 15      | 1557P    | Washer 13/32 x 13/16 x 11 Ga.      | 48      | 2692R    | V-Belt  |
| 16      | 2263R    | Spring Washer                      | 49      | 6461H2   | Pulley, Transmission                                |
| 17      | 9686R    | Parking Brake Yoke                 | 51      | 1002P    | *Lockwasher 1/4                                     |
| 18      | 175H     | Roll Pin                           | 52      | 3052P    | *Fin. Hex Bolt 3/8 - 24 x 1                         |
| 19      | 634A887  | Lock Bracket Assembly              | 53      | 1513P    | *Washer 13/32 x 13/16 x 16 Ga.                      |
| 20      | 2221R    | Spacer                             | 54      | 548P     | *Hex Jam Nut 3/8 - 24 UNF                           |
| 21      | 5999H    | Spring Washer                      | 55      | 5142H    | Roll Pin  |
| 22      | 4379H    | Handle Grip                        | 56      | 3022P    | Hex Bolt 3/8 - 16 x 7/8                             |
| 23      | 626A341  | Parking Lock Handle Assembly       | 57      | 1004P    | *Lockwasher 3/8                                     |
| 24      | 7810H    | Gripco Centerlock Nut 3/8 - 24 UNF | 58      | 3164P    | Flat Hd. Machine Screw - Undercut<br>3/8 - 16 x 3/4 |
| 25      | 626A365  | Brake Rod Assembly                 | 59      | 11P      | Sq. Neck Carriage Bolt 1/4 - 20 x 5/8               |
| 26      | 634A167  | Brake Band and Lining              | 60      | 503P     | *Hex Nut 1/4 - 20 UNC                               |
| 27      | 634A168  | Brake Bracket Assembly             | 61      | 3159P    | *Hex Bolt 5/16 - 18 x 7/8                           |
| 28      | 9204H    | Lock Nut 1/2 - 20 UNF              | 62      | 1685H    | Locknut 5/16 - 18 UNC                               |
| 29      | 7648H1   | Brake Drum                         | 63      | 3244P    | Hex Bolt 1/4 - 28 x 5/8 Gr. 5                       |
| 30      | 634A899  | Brake Arm Assembly                 | 64      | 9071H    | Huglock Nut 1/4 - 28 UNF                            |
| 31      | 9858M1   | Woodruff Key                       | 65      | 3326P    | Hex Hd. Mach. Screw 6 - 32 x 1                      |
| 32      | 9288R    | Clutch Rod                         | 66      | 1567P    | Washer 5/32 x 3/8 x 20 Ga.                          |
| 33      | 2514P    | *Cotter Pin 1/4 x 1                | 67      | 562P     | Centerlock Nut 6 - 32 UNC                           |
| 34      | 6486H    | Spring                             | 68      | 2228M    | Woodruff Key  |
| 35      | 1587P    | *Washer 17/32 x 1 - 1/16 x 21 Ga.  |         |          |   |
| 36      | 4939M    | Retainer Spring                    |         |          |   |
| 36A     | 544J     | Hose Shield                        |         |          |   |

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## ELECTRICAL

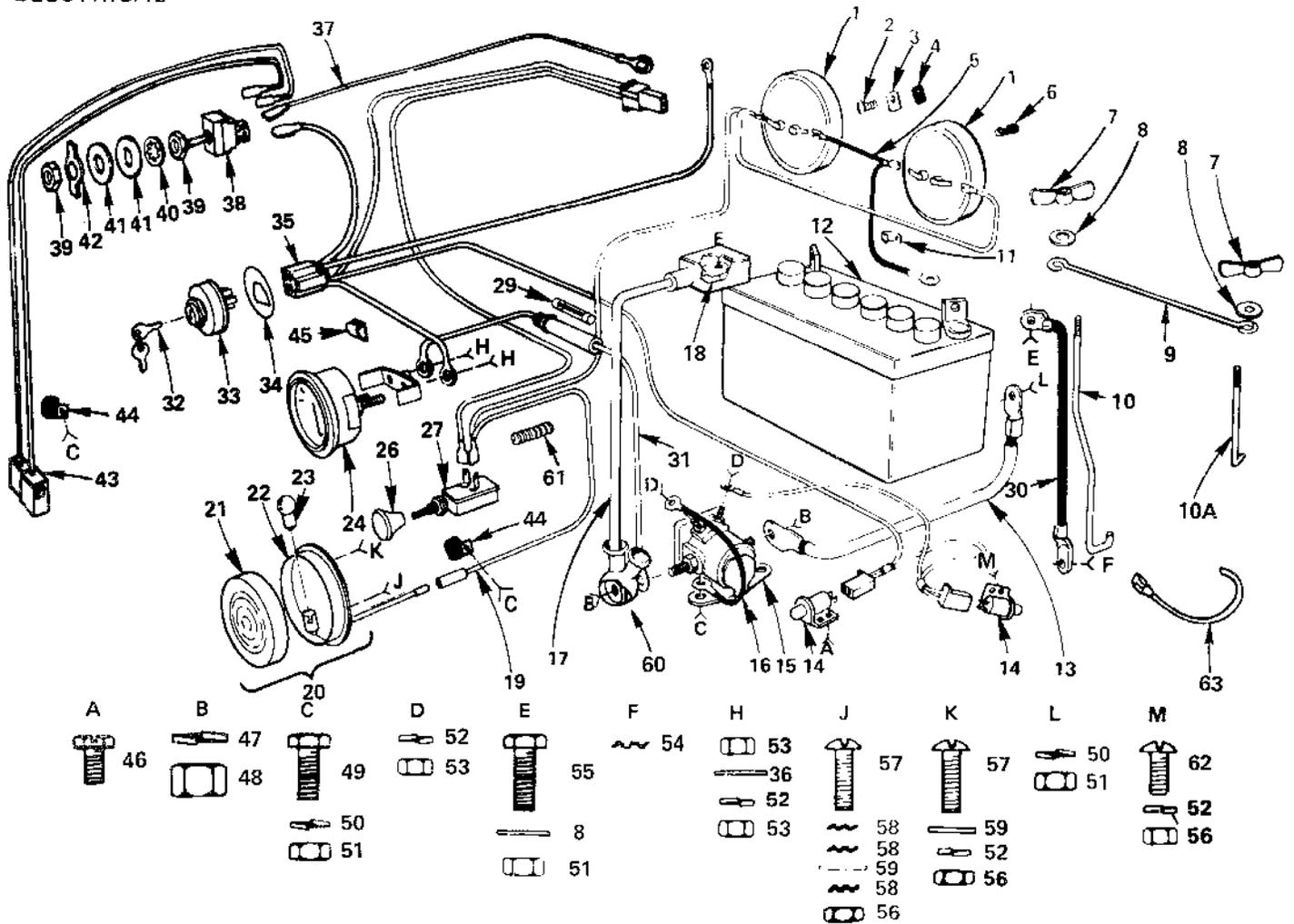


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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## ELECTRICAL



| KEY NO. | PART NO. | DESCRIPTION  | KEY NO. | PART NO. | DESCRIPTION   |
|---------|----------|--|---------|----------|---|
| 1       | 6452R    | Headlight  | 34      | 8657R    | Terminal Identifier   |
| 2       | 5554P    | Phillips Pan Hd. Thd. Cutting Screw<br>No. 10 - 16 x 1/2 | 35      | 118J     | Wire Harness - Main   |
| 3       | 8768H    | Mounting Clip  | 36      | 1583P    | Brass Washer No. 10   |
| 4       | 8784H1   | Rubber Spacer  | 37      | 9698R    | Wire, Ground Lift Switch  |
| 5       | 8031R    | Headlight Ground Wire                                    | 38      | 8984R    | Switch Elec. Lift   |
| 6       | 9197H    | Hose   | 39      | 566P     | Hex Nut, Steel 7/16 - 32 NS - 2A  |
| 7       | 3748M    | Wing Nut 1/4 - 20 UNC                                    | 40      | 7319R    | Lockwasher, Internal Tooth  |
| 8       | 1506P    | *Washer 9/32 x 5/8 x 16 Ga.                              | 41      | 1518P    | *Washer 15/32 x 11/16 x 16 Ga.  |
| 9       | 7955R    | Battery Clamp  | 42      | 9349R    | Switch Plate  |
| 10      | 2685R    | Battery Bolt   | 43      | 8985R    | Lift Motor Harness  |
| 10A     | 88J      | Battery Bolt   | 44      | 5320R    | Clip, Wire  |
| 11      | 4171R    | Insulated Clip   | 45      | 8615R    | Clip  |
| 12      | 8859R    | Battery "Die Hard"                                       | 46      | 5534P    | Slotted Hex Indented Hd. Self Tapping<br>Screw No. 10 - 24 x 3/8 Type 1 |
| 13      | 117J     | Cable - Solenoid to Starter                              | 47      | 1003P    | * Lockwasher 5/16   |
| 14      | 7755R    | Safety Switch  | 48      | 538P     | * Hex Jam Nut 5/16 - 24 UNF   |
| 15      | 7754R    | Solenoid   | 49      | 3115P    | * Hex Bolt 1/4 - 20 x 5/8   |
| 16      | 8027R    | Wire - Ground to Solenoid                                | 50      | 1002P    | * Lockwasher 1/4  |
| 17      | 116J     | Battery Cable  | 51      | 503P     | * Hex Nut 1/4 - 20 UNC  |
| 18      | 225J     | Terminal Cover   | 52      | 1006P    | * Lockwasher No. 10   |
| 19      | 8030R    | Light Harness  | 53      | 543P     | * Hex Nut No. 10 - 32 UNF   |
| 20      | 8089H    | Tail Light (Inc. Key No. 21, 22, 23)                     | 54      | 1402P    | * Ext. Tooth Lockwasher 3/8   |
| 21      | 8292H    | Lens - Taillight   | 55      | 3003P    | * Hex Bolt 1/4 - 20 x 3/4   |
| 22      | 8293H    | Housing - Taillight                                      | 56      | 505P     | * Hex Nut No. 10 - 24 UNC   |
| 23      | 8291H    | Bulb No. 1895 2 Candle Power                             | 57      | 3074P    | * Sltd. Truss Hd. Mach. Screw 10 - 24 x 3/4                             |
| 24      | 9433R    | Ammeter  | 58      | 1404P    | * Ext. Tooth Lockwasher No. 10  |
| 26      | 7994R    | Light Switch Knob  | 59      | 1504P    | * Washer 7/32 x 1/2 x 18 Ga   |
| 27      | 7793R    | Light Switch   | 60      | 51J      | Solenoid Terminal Cover   |
| 28      | 2212R    | Fuse - 15 Amp.   | 61      | 302J     | Wire Guard  |
| 29      | 6347R    | Fuse - 30 Amp.   | 62      | 3357P    | Sl. R.H. Mach. Screw No. 10 - 24 x 1/2                                  |
| 30      | 2753R    | Battery Cable - Ground                                   | 63      | 6106R    | Cable Tie   |
| 31      | 8113R    | Fuse Harness   |         |          |   |
| 32      | 7552H    | Key Set  |         |          |   |
| 33      | 4406R    | Ignition Switch (Inc. Key No. 32)                        |         |          |   |

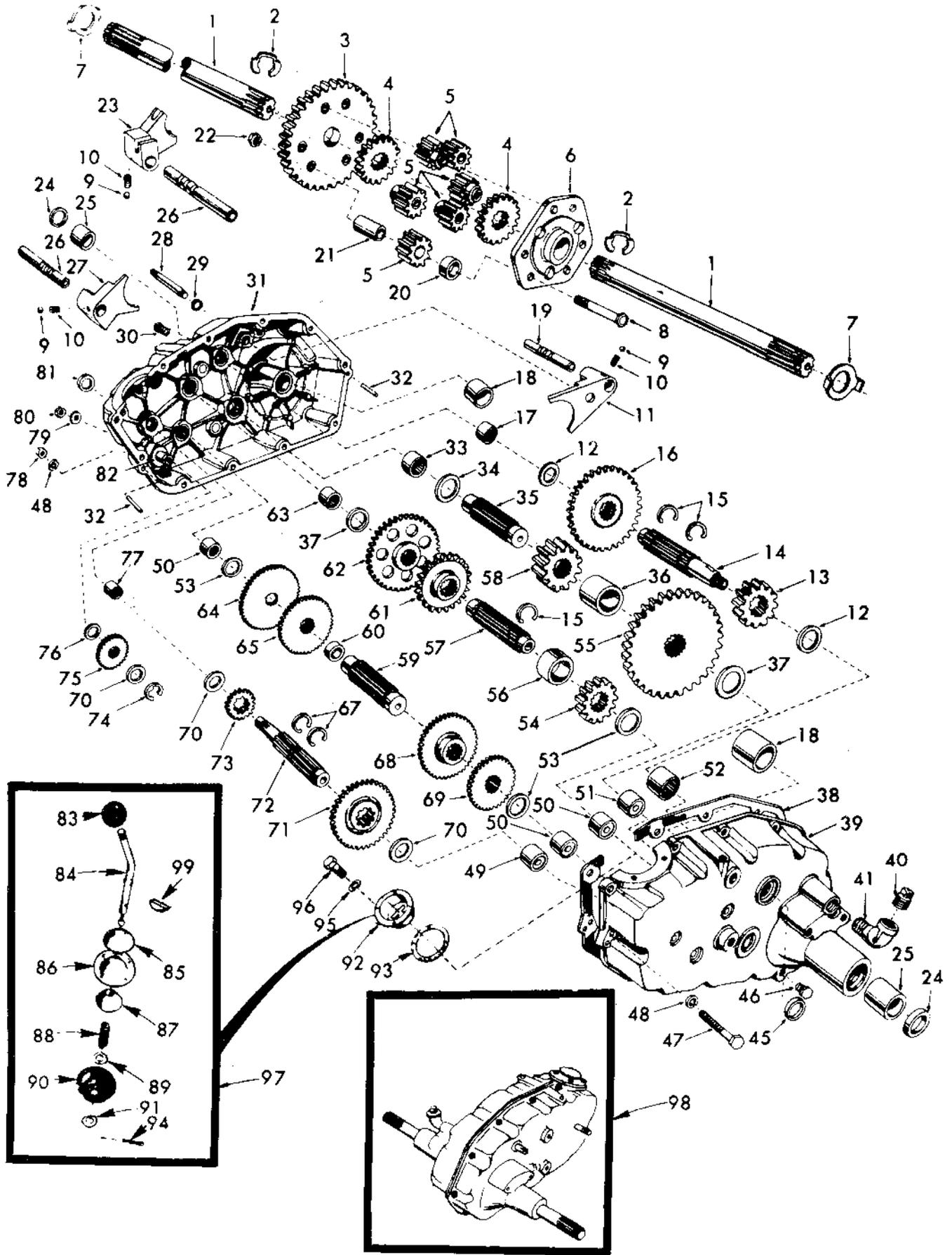
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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## TRANSAXLE



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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## TRANSAXLE

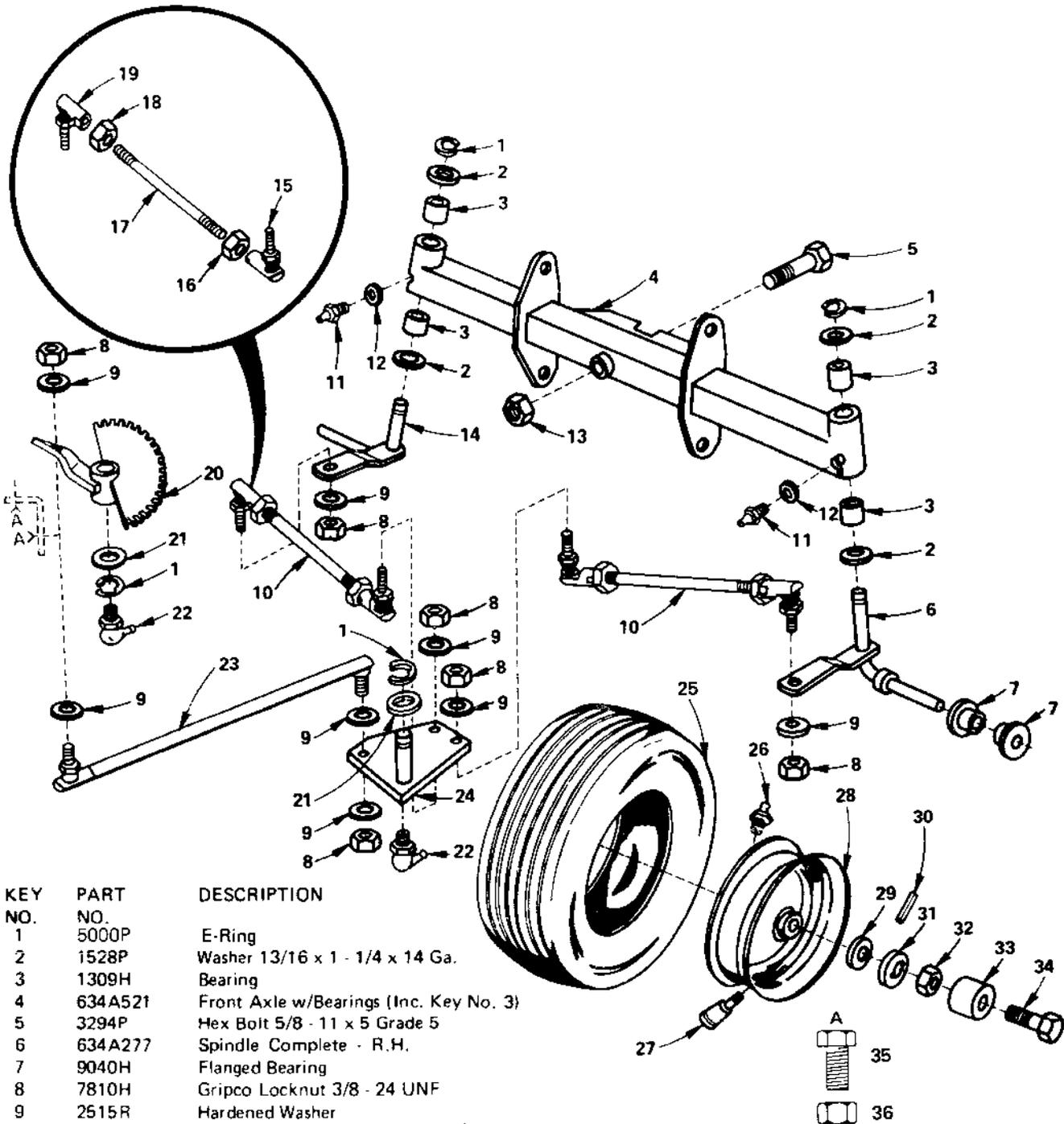
| KEY NO. | PART NO. | DESCRIPTION  | KEY NO. | PART NO. | DESCRIPTION   |
|---------|----------|--|---------|----------|---|
| 1       | 4202R    | Axle Shaft   | 49      | 4895H    | Needle Bearing                                      |
| 2       | 5845R    | Retaining Ring   | 50      | 4222R    | Needle Bearing                                      |
| 3       | 4199R    | Final Drive Gear   | 51      | 1529R    | Needle Bearing                                      |
| 4       | 4216R    | Differential Gear  | 52      | 8119M    | Needle Bearing                                      |
| 5       | 4215R    | Differential Pinion  | 53      | 4220R    | Thrust Bearing Race                                 |
| 6       | 4217R    | Differential Carrier   | 54      | 4209R    | 3rd Reduction Pinion - Low                          |
| 7       | 6256H    | Axle Thrust Washer   | 55      | 4213R    | 4th Reduction Gear                                  |
| 8       | 3056P    | Hex Bolt 3/8 - 24 UNF x 3 - 1/4<br>(1" Thread Length)  | 56      | 4442R    | 3rd Reduction Pinion Spacer                         |
| 9       | 7392M    | Steel Ball   | 57      | 4195R    | 2nd Reduction Gear Shaft                            |
| 10      | 6272H    | Spring Shift Fork Detent   | 58      | 4214R    | Final Drive Pinion                                  |
| 11      | 4985R    | Shift Fork, High - Low Range   | 59      | 4194R    | 1st Reduction Gear Shaft                            |
| 12      | 6266H    | Thrust Bearing Race  | 60      | 7528R    | 1st Reduction Shaft Spacer                          |
| 13      | 4212R    | 4th Reduction Pinion   | 61      | 4208R    | 3rd Reduction Pinion - High                         |
| 14      | 4196R    | 3rd Reduction Gear Shaft   | 62      | 4207R    | 2nd Reduction Gear                                  |
| 15      | 6276H    | Snap Ring - Crescent Type  | 63      | 7398H    | Needle Bearing                                      |
| 16      | 633A63   | High - Low Range Gears   | 64      | 4203R    | Low Speed Gear and 2nd Reduction<br>Pinion Cluster  |
| 17      | 8118M    | Needle Bearing   | 65      | 4204R    | Reverse Gear  |
| 18      | 8740H1   | Sintered Iron Bearing  |         |          |   |
| 19      | 6217H    | Shift Fork Shaft, High - Low Range   | 67      | 4926H    | Snap Ring - Crescent Type                           |
| 20      | 4218R    | Differential Pinion Spacer   | 68      | 4205R    | Intermediate Speed Gear                             |
| 21      | 6252H1   | Differential Pinion Bushing  | 69      | 4206R    | High Speed Gear                                     |
| 22      | 7810H    | Gripco Centerlock Nut 3/8 - 24 UNF   | 70      | 1370H    | Thrust Bearing Race                                 |
| 23      | 4986R    | Shift Fork - L.H.  | 71      | 633A69   | Intermediate and High Speed Cluster<br>Pinions      |
| 24      | 7393R    | Oil Seal   |         |          |   |
| 25      | 992R1    | Sintered Iron Bearing  | 72      | 4193R    | Input Shaft   |
| 26      | 6216H    | Shift Fork Shaft   | 73      | 4201R    | Low Speed Pinion                                    |
| 27      | 6262H    | Shift Fork - R.H.  | 74      | 5001P    | E-Ring  |
| 28      | 6215H    | Shift Shaft, High - Low Range  | 75      | 1153R    | Reverse Idler Gear                                  |
| 29      | 6269H    | Oil Seal   | 76      | 7392H    | Reverse Idler Thrust Washer                         |
| 30      | 5855H    | Pressure Relief Valve  | 77      | 5529H    | Needle Bearing                                      |
| 31      | 633A65   | Gearcase, Reverse Idler Shaft and<br>Bearings - R.H. (Inc. Key No's. 17,<br>18, 25, 33, 50, 63, 76, 77 and 82) | 78      | 504P     | Hex Nut 5/16 - 18 UNC                               |
| 32      | 6277H    | Dowel Pin  | 79      | 1167R    | Sealing Washer                                      |
| 33      | 4225R    | Needle Bearing   | 80      | 541P     | Hex Jam Nut 7/16 - 20 UNF                           |
| 34      | 7396H    | Thrust Bearing Race  | 81      | 6270H    | Oil Seal  |
| 35      | 4198R    | 4th Reduction Gear Shaft   | 82      | 7384H    | Reverse Idler Shaft                                 |
| 36      | 4200R    | 4th Reduction Gear Spacer  | 83      | 7987R    | Control Knob  |
| 37      | 7395H    | Thrust Bearing Race  | 84      | 8551R    | Gear Shift Lever - Bent                             |
| 38      | 6275H    | Gearcase Gasket  | 85      | 9013R    | Gear Shift Cap                                      |
| 39      | 633A64   | Gearcase and Bearings - L.H.<br>(Inc. Key No's. 18, 25, 49, 50 (2),<br>51 and 52)                              | 86      | 633A85   | Gear Shift Ball Cover and Pin                       |
| 40      | 4002P    | Pipe Plug 1/2 - 14 N.P.T.  | 87      | 8739H1   | Shift Lever Guide Ball - Keyed                      |
| 41      | 4003P    | Street Elbow 90°, 1/2 - 1/4 N.P.T.   | 88      | 4924H    | Spring  |
| 45      | 6271H    | Oil Seal   | 89      | 1593P    | Washer 15/32 x 59/64 x 16 Ga.                       |
| 46      | 4001P    | Pipe Plug 1/4 - 18 N.P.T.  | 90      | 8105R    | Shift Mechanism Seal                                |
| 47      | 3087P    | Hex Bolt 5/16 - 18 x 1 - 1/2<br>Grade 5  | 91      | 1569P    | Washer 9/16 x 15/16 x 11 Ga.                        |
| 48      | 1007P    | Lockwasher 5/16 Extra Heavy  | 92      | 75J      | Gear Shift Gate                                     |
|         |          |  | 93      | 6274H    | Shift Ball Cover Gasket                             |
|         |          |  | 94      | 2505P    | Cotter 1/8 x 3/4                                    |
|         |          |  | 95      | 1003P    | Lockwasher 5/16                                     |
|         |          |  | 96      | 3159P    | Hex Bolt 5/16 - 18 UNC x 7/8                        |
|         |          |  | 97      | 633A82   | Gear Shift Lever Ass'y.                             |
|         |          |  | 98      | 633A78   | Transaxle Assembly Less Brake Drum<br>& Shift Lever |
|         |          |  | 99      | 7835M    | Woodruff Key 1/8 x 1/2                              |

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

## FRONT AXLE



| KEY NO. | PART NO.  | DESCRIPTION   |
|---------|-----------|---|
| 1       | 5000P     | E-Ring  |
| 2       | 1528P     | Washer 13/16 x 1 - 1/4 x 14 Ga.                         |
| 3       | 1309H     | Bearing   |
| 4       | 634A521   | Front Axle w/Bearings (Inc. Key No. 3)                  |
| 5       | 3294P     | Hex Bolt 5/8 - 11 x 5 Grade 5                           |
| 6       | 634A277   | Spindle Complete - R.H.                                 |
| 7       | 9040H     | Flanged Bearing   |
| 8       | 7810H     | Gripco Locknut 3/8 - 24 UNF                             |
| 9       | 2515R     | Hardened Washer   |
| 10      | 7838R     | Tie Rod and Joints (Inc. Key No's. 15, 16, 17, 18 & 19) |
| 11      | 6855M     | Grease Fitting  |
| 12      | 1505P     | Washer 9/32 x 1/2 x 14 Ga.                              |
| 13      | 4764H     | Huglock Nut 5/8 x 11 UNC                                |
| 14      | 634A278   | Spindle Complete L.H.                                   |
| 15      | 8515R     | Tie Rod Joint (R.H. Thread)                             |
| 16      | STD541350 | *Hex Jam Nut 1/2 - 20 (R.H. Thread)                     |
| 17      | 634A819   | Tie Rod and Nuts (Inc. Key No's. 16 & 18)               |
| 18      | 559P      | Hex Jam Nut 1/2 - 20 (L.H. Thread)                      |
| 19      | 8514R     | Tie Rod Joint (L.H. Thread)                             |
| 20      | 634A813   | Steering Gear Sector and Arm                            |
| 21      | 1552P     | Washer 49/64 x 1 - 1/4 x 16 Ga.                         |
| 22      | 6842M     | Grease Fitting  |
| 23      | 7837R     | Drag Link and Joints                                    |
| 24      | 634A98    | Steering Bell Crank Weidment                            |
| 25      | 2169R     | Front Tire 16 x 6.50 - 8                                |

| KEY NO. | PART NO.  | DESCRIPTION                         |
|---------|-----------|-------------------------------------|
| 26      | 6856M     | Grease Fitting 1/4 - 28 Taper Thrd. |
| 27      | 795R      | Tire Valve                          |
| 28      | 467J      | Front Wheel and Bearings            |
| 29      | 1562P     | Washer 25/32 x 1 - 1/2 x 16 Ga.     |
| 30      | 8798H     | Roll Pin 5/32 x 1                   |
| 31      | 8785H     | Wear Washer                         |
| 32      | 4831H     | Elastic Nut 3/4 - 16 UNF            |
| 33      | 8763H     | Dust Cap-Outer                      |
| 34      | 3008P     | Hex Bolt 5/16 - 18 x 1/2            |
| 35      | STD623710 | *Hex Bolt 3/8 - 24 x 1              |
| 36      | STD541337 | *Hex Jam Nut 3/8 - 24 UNF           |

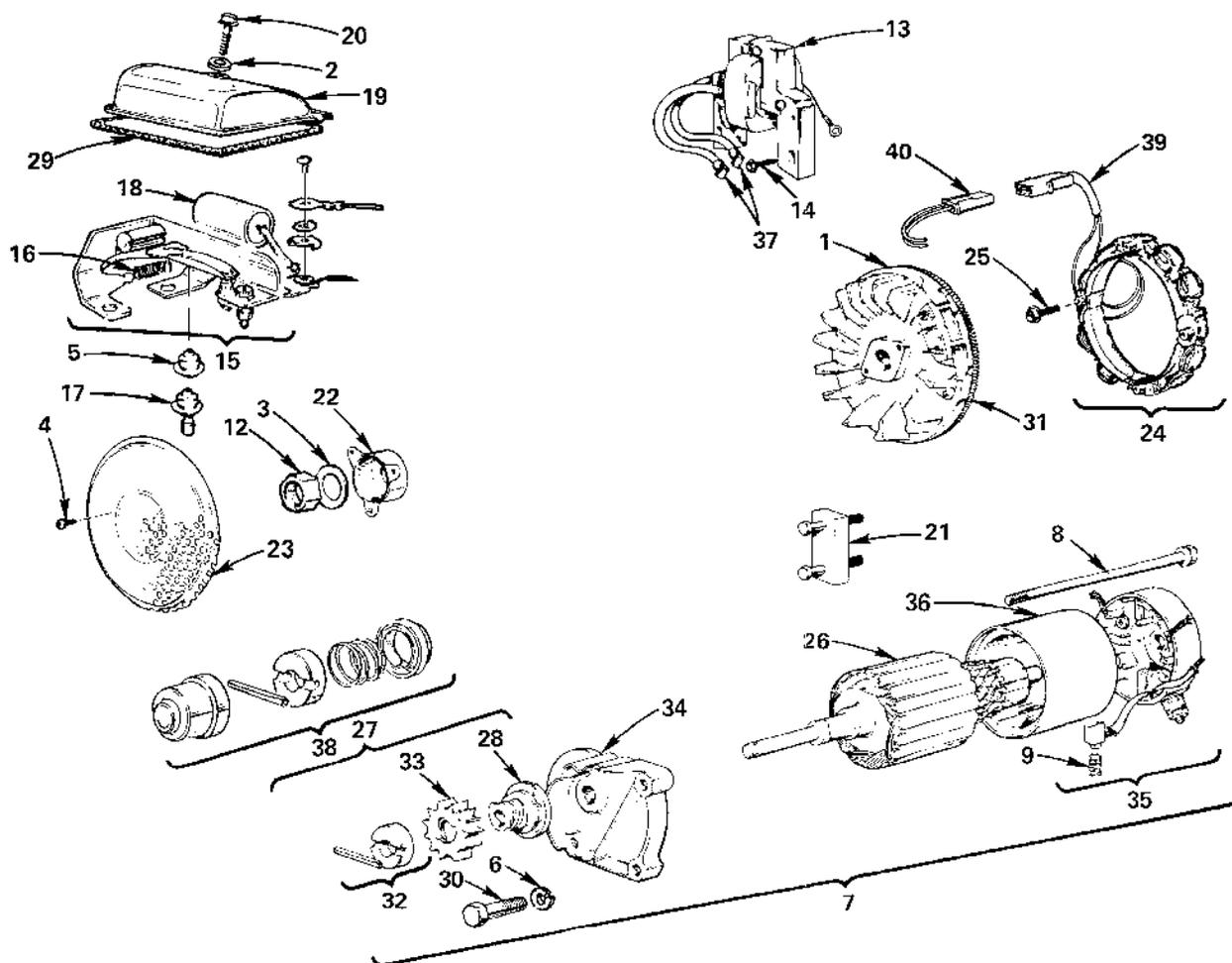
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# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

## STARTER MOTOR GROUP



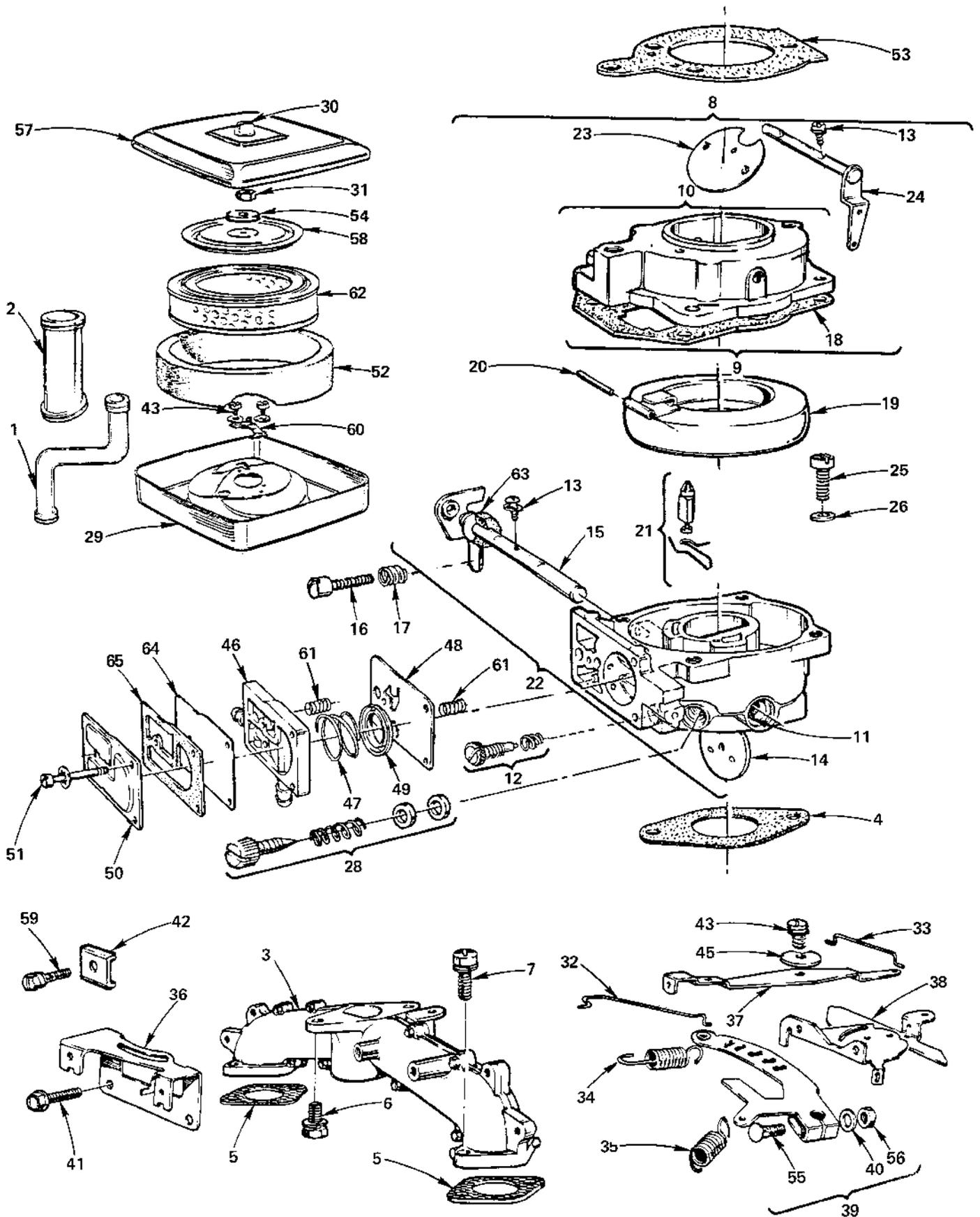
| KEY NO. | PART NO. | DESCRIPTION               | KEY NO. | PART NO. | DESCRIPTION                            |
|---------|----------|---------------------------|---------|----------|--|
| 1       | 392956   | Flywheel and Ring         | 21      | 19203    | Puller - Flywheel (Optional Equip.)    |
| 2       | 271037   | Washer                    | 22      | 222674   | Cup - Screen Mounting                  |
| 3       | 222511   | Washer - Spring           | 23      | 222673   | Screen Flush Rotating                  |
| 4       | 93805    | Screw - Sem               | 24      | 393474   | Stator - Alternator                    |
| 5       | 280222   | Seal - Plunger            | 25      | 93621    | Screw - Sem                            |
| 6       | 90366    | Lockwasher                | 26      | 392747   | Armature Assembly                      |
| 7       | 393017   | Motor - Starting          | 27      | 391461   | Drive Ass'y. - Starter                 |
| 8       | 93887    | Thru Bolt                 | 28      | 391135   | Clutch Ass'y. - Starter                |
| 9       | 391705   | Brush Set                 | 29      | 271039   | *Gasket - Breaker Box                  |
| 12      | 230674   | Nut - Hex                 | 30      | 91162    | Screw - Hex Hd. 5/16 - 18 x 1 - 1/2    |
| 13      | 392329   | Armature Assembly         | 31      | 391362   | Gear - Flywheel Ring (Inc. Mtg. Parts) |
| 14      | 93381    | Screw - Armature Mtg. Sem | 32      | 391462   | Retainer and Pin Assembly              |
| 15      | 393403   | Breaker Ass'y. - Ignition | 33      | 280104   | Gear - Starter                         |
| 16      | 26018    | Spring - Breaker Arm      | 34      | 393009   | Drive End Cap                          |
| 17      | 393450   | Plunger - Breaker         | 35      | 393019   | Commutator End Cap Ass'y. - Starter    |
| 18      | 392912   | Condenser                 | 36      | 392744   | Housing Assembly                       |
| 19      | 212259   | Cover - Breaker Point     | 37      | 221798   | Terminal - Ignition Cable              |
| 20      | 93854    | Screw - Sem               | 38      | 393254   | Kit - Pinion Spring                    |
|         |          |                           | 39      | 393456   | Diode and Connector Ass'y.             |
|         |          |                           | 40      | 393362   | Alternator Harness Ass'y.              |

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

## AIR CLEANER--CARBURETOR GROUP



another free manual from [www.seartractormanuals.com](http://www.seartractormanuals.com)

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050  
BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

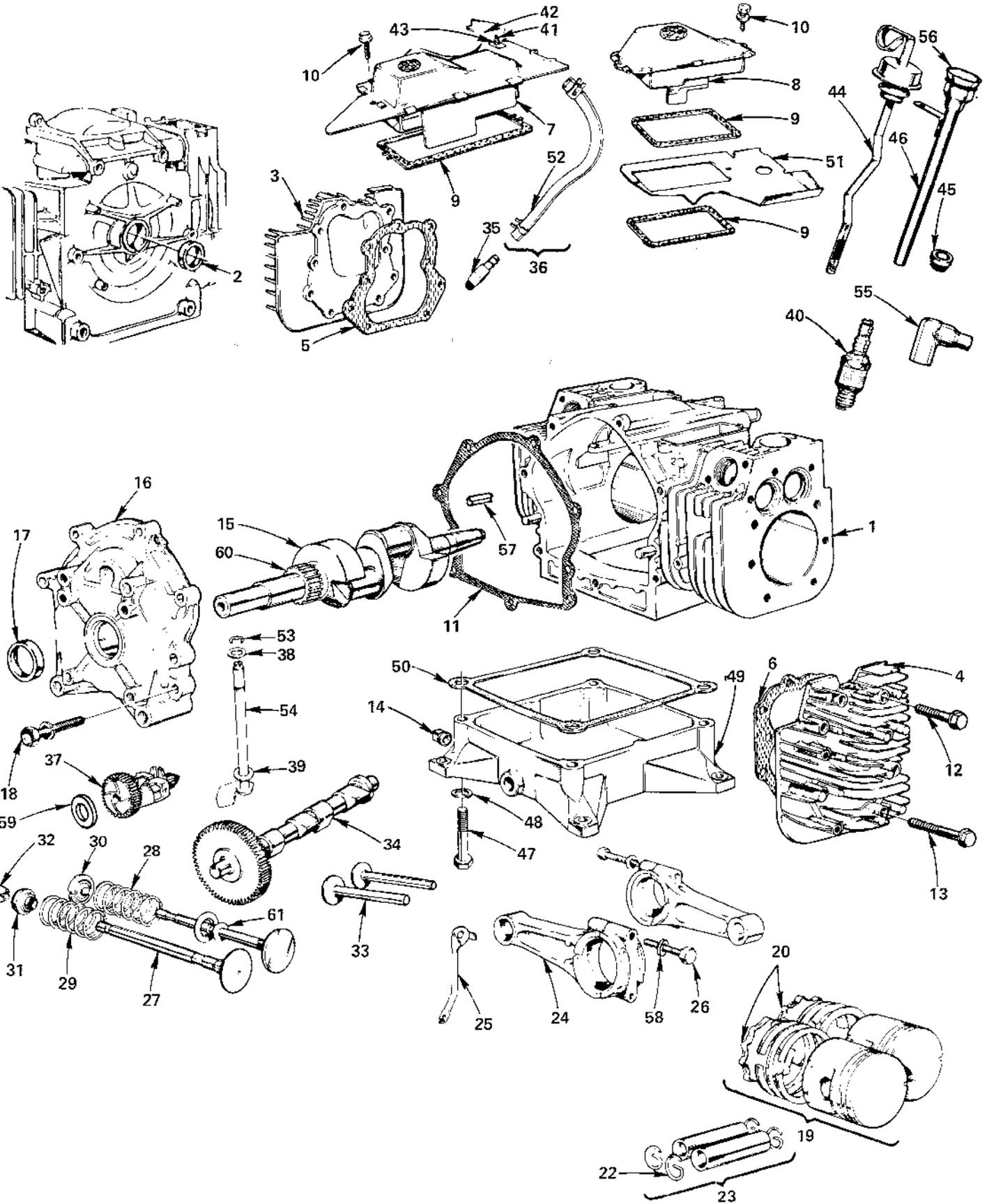
## AIR CLEANER--CARBURETOR GROUP

| KEY NO. | PART NO. | DESCRIPTION                               | KEY NO. | PART NO. | DESCRIPTION                                       |
|---------|----------|---|---------|----------|---|
| 1       | 280185   | Tube - Breathe;                           | 32      | 261444   | Link - Governor                                   |
| 2       | 280198   | Tube - Intake                             | 33      | 261460   | Link - Speed Control                              |
| 3       | 392970   | Manifold Ass'y. - Intake                  | 34      | 261446   | Spring - Governor                                 |
| 4       | 271015   | +*Gasket - Carb. Mtg.                     | 35      | 261487   | Spring - Governed Idle                            |
| 5       | 270884   | *Gasket - Intake Manifold Mtg.            | 36      | 222807   | Bracket - Speed Control                           |
| 6       | 93415    | Screw - Carb. Mtg. Sem                    | 37      | 222828   | Lever - Speed Control                             |
| 7       | 93208    | Screw - Intake Manifold Mtg. Sem          | 38      | 392933   | Plate Ass'y. Governor Control                     |
| 8       | 392806   | Carburetor Ass'y.                         | 39      | 392943   | Lever Ass'y. - Governor                           |
| 9       | 393297   | Body Ass'y. - Upper Carb.                 | 40      | 222289   | Washer  |
| 10      | 393293   | Body - Upper Carb.                        | 41      | 93868    | Screw - Sem                                       |
| 11      | 23108    | Bushing - Throttle Shaft                  | 42      | 221535   | Clamp - Casing                                    |
| 12      | 292681   | +Valve Ass'y. - Carb. Idle                | 43      | 93866    | Screw - Sem                                       |
| 13      | 93499    | Screw - Throttle and Choke Valve Mtg. Sem | 45      | 231172   | Bushing - Speed Control                           |
| 14      | 222433   | Valve - Throttle                          | 46      | 280197   | Body - Pump                                       |
| 15      | 392672   | Shaft and Lever - Throttle                | 47      | 261395   | +Spring - Pump                                    |
| 16      | 91920    | Screw - Mach. Fil. Hd. 8 - 32 x 5/8       | 48      | 270988   | +Diaphragm  |
| 17      | 26157    | Spring - Throttle Adj.                    | 49      | 221377   | +Cap - Spring                                     |
| 18      | 271008   | +*Gasket - Carburetor Body                | 50      | 222615   | Cover - Diaphragm                                 |
| 19      | 298514   | Float - Carburetor                        | 51      | 93829    | Screw - Diaphragm Cover                           |
| 20      | 230896   | +Pin - Float Hinge                        | 52      | 270998   | Element - Air Cleaner                             |
| 21      | 299096   | +Valve - Fuel Inlet                       | 53      | 271014   | Gasket - Air Cleaner                              |
| 22      | 393286   | Body - Lower Carb.                        | 54      | 271180   | Washer  |
| 23      | 222010   | Valve - Choke                             | 55      | 93853    | Bolt - Governor Lever                             |
| 24      | 392673   | Shaft and Lever - Choke                   | 56      | 92278    | Nut - Hex 10 - 24                                 |
| 25      | 90764    | Screw - Machine, Fil. Hd. 10/32 x 5/8     | 57      | 222753   | Cover - Air Cleaner                               |
| 26      | 92290    | Washer - Lock 10 x 1/16 x 3/64            | 58      | 222835   | Cartridge Plate - Air Cleaner                     |
| 28      | 393125   | Jet - Main Assembly                       | 59      | 93496    | Screw - Sem                                       |
| 29      | 222752   | Body - Air Cleaner                        | 60      | 392643   | Mounting Strap Ass'y. - Air Cleaner               |
| 30      | 212292   | Knob - Air Cleaner                        | 61      | 261358   | +Spring   |
| 31      | 93715    | Nut - Hex                                 | 62      | 392642   | Cartridge - Air Cleaner                           |
|         |          |   | 63      | 271013   | +Washer - Choke Shaft                             |
|         |          |   | 64      | 270989   | +Diaphragm - Damping                              |
|         |          |   | 65      | 271025   | +Gasket - Carb. Pump                              |
|         |          |   | ---     | 393278   | Gasket Set (Includes Parts Marked *)              |
|         |          |   | ---     | 393301   | Carburetor Overhaul Kit (Includes Parts Marked +) |

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050  
BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

## CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP



# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

## CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP

| KEY NO. | PART NO. | DESCRIPTION                             | KEY NO. | PART NO. | DESCRIPTION                       |
|---------|----------|---|---------|----------|-----------------------------------|
| 1       | 393274   | Cylinder Assembly                       | 26      | 92909    | Screw - Connecting Rod            |
| 2       | 391086   | Seal - Oil                              | 27      | 390420   | Valve - Exhaust                   |
| 3       | 212179   | Head - Cylinder No. 1                   | 28      | 65906    | Spring - Intake Valve             |
| 4       | 212180   | Head - Cylinder No. 2                   | 29      | 26828    | Spring - Exhaust Valve            |
| 5       | 270984   | *Gasket - Cylinder Head No. 1           | 30      | 221596   | Retainer - Intake Valve           |
| 6       | 270983   | *Gasket - Cylinder Head No. 2           | 31      | 292260   | Rotocoil - Exhaust                |
| 7       | 393243   | Breather Assembly No. 1                 | 32      | 93630    | Retainer - Exhaust Valve Rotocoil |
| 8       | 393153   | Breather Assembly No. 2                 | 33      | 261368   | Tappet - Valve                    |
| 9       | 27803    | *Gasket - Valve Cover                   | 34      | 212173   | Gear - Cam                        |
| 10      | 93394    | Screw - Sem                             | 35      | 67218    | Elbow - Connector                 |
| 11      | 270982   | *Gasket - Crankcase Cover 1/64" Thick   | 36      | 393244   | Pipe - Fuel                       |
| 11      | 271145   | *Gasket - Crankcase Cover .005" Thick   | 37      | 393273   | Gear - Governor                   |
| 11      | 271146   | *Gasket - Crankcase Cover .009" Thick   | 38      | 220863   | Washer - Gov. Crank (outside)     |
| 12      | 93111    | Screw - Cylinder Head (1 - 15/16" Long) | 39      | 93852    | Washer - Gov. Crank (inside)      |
| 13      | 93113    | Screw - Cylinder Head (2 - 5/16" Long)  | 40      | 392589   | Plug - Spark (Resistor)           |
| 14      | 91084    | Plug - Oil Drain                        | 41      | 90576    | Nut - Hex 8 - 32                  |
| 15      | 393308   | Crankshaft                              | 42      | 231174   | Terminal                          |
| 16      | 393272   | Cover Assembly - Crankcase              | 43      | 280180   | Grommet - Insulator               |
| 17      | 291675   | Seal - Oil                              | 44      | 392781   | Cap and Dipstick - Oil Filler     |
| 18      | 93847    | Screw - Crankcase Cover Mtg. Sem        | 45      | 68838    | Seal - Filler Tube                |
| 19      | 393271   | Piston Assembly - Standard              | 46      | 392782   | Tube - Oil Filler                 |
| 19      | 393343   | Piston Assembly - .010" O.S.            | 47      | 93783    | Screw - Hex Hd.                   |
| 19      | 393344   | Piston Assembly - .020" O.S.            | 48      | 92268    | Washer                            |
| 19      | 393345   | Piston Assembly - .030" O.S.            | 49      | 393412   | Base - Engine                     |
| 20      | 393277   | Ring Set - Piston - Standard            | 50      | 270981   | *Gasket - Engine Base             |
| 20      | 393340   | Ring Set - Piston - .010" O.S.          | 51      | 222700   | Baffle - Air                      |
| 20      | 393341   | Ring Set - Piston - .020" O.S.          | 52      | 93053    | Clamp - Fuel Pipe                 |
| 20      | 393342   | Ring Set - Piston - .030" O.S.          | 53      | 93851    | Retainer - E-Ring                 |
| 22      | 260924   | Lock - Piston Pin                       | 54      | 393309   | Crank - Governor                  |
| 23      | 299691   | Pin Assembly - Piston - Standard        | 55      | 66538    | Elbow - Spark Plug                |
| 23      | 391286   | Pin Assembly - Piston - .005" O.S.      | 56      | 270933   | Seal - Oil Filler Cap             |
| 24      | 393270   | Rod Assembly - Connecting               | 57      | 61760    | Key - Flywheel                    |
| 25      | 222480   | Dipper - Connecting Rod                 | 58      | 220863   | Washer                            |
|         |          |   | 59      | 222773   | Washer - Thrust                   |
|         |          |   | 60      | 261363   | Gear - Timing                     |
|         |          |   | 61      | 393279   | Seal Ass'y. and Retainer          |

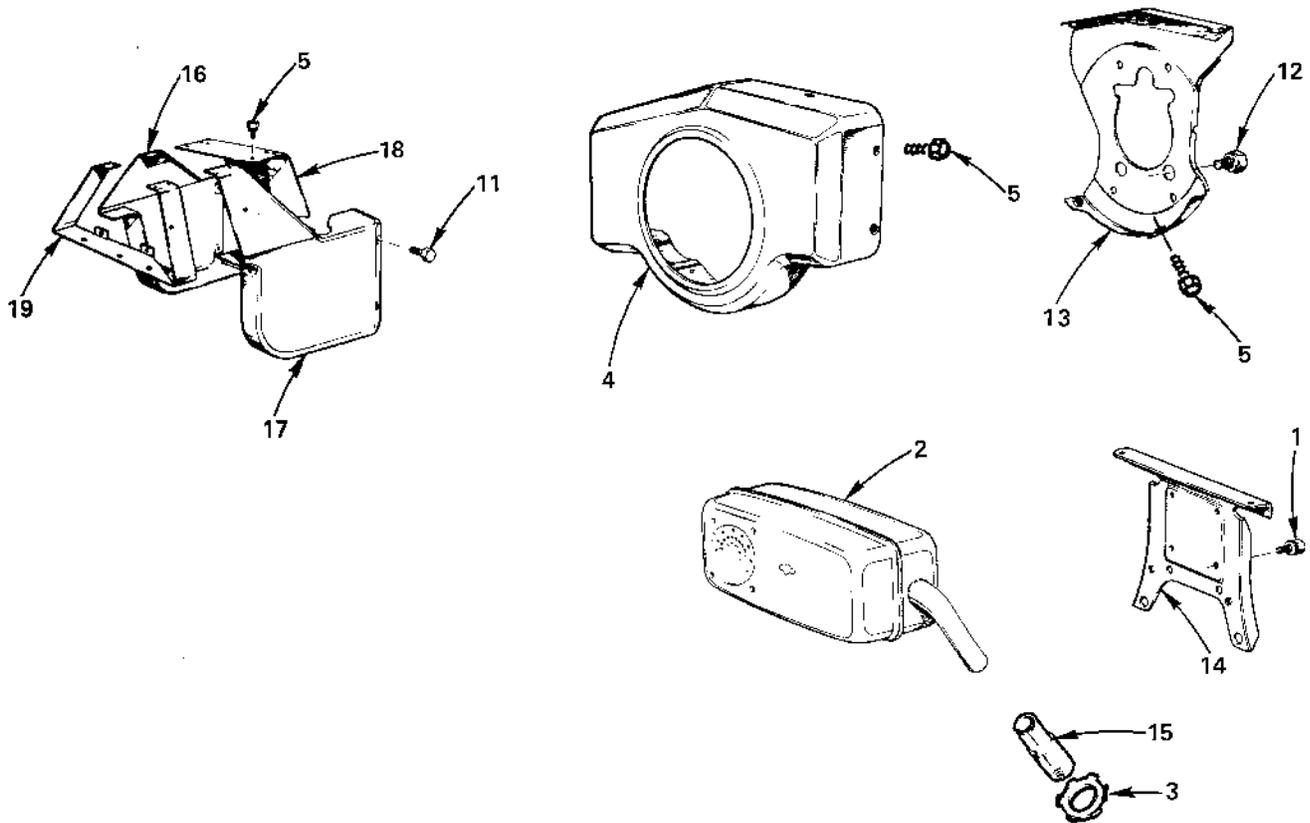
\*Inc. in Gasket Set - 393278

# REPAIR PARTS

GT/16 GARDEN TRACTOR--MODEL NO. 917.257050

BRIGGS AND STRATTON ENGINE--MODEL NO. 401417, TYPE NO. 0127-01

## MUFFLER, AIR GUIDE AND HOUSING GROUP



| KEY NO. | PART NO. | DESCRIPTION                              |
|---------|----------|--|
| 1       | 93543    | Screw - Sems                             |
| 2       | 392999   | Muffler - Exhaust                        |
| 3       | 91242    | Locknut - Muffler                        |
| 4       | 392681   | Housing - Blower                         |
| 5       | 93158    | Screw - Sem                              |
| 11      | 93876    | Screw - Sem                              |
| 12      | 93777    | Screw - Hex Hd. (Back Plate to Cylinder) |

| KEY NO. | PART NO. | DESCRIPTION         |
|---------|----------|---------------------|
| 13      | 392934   | Back Plate Ass'y.   |
| 14      | 222776   | Bracket - Muffler   |
| 15      | 231162   | Connector - Muffler |
| 16      | 392991   | Cover Ass'y. - Air  |
| 17      | 392992   | Cover Ass'y. - Air  |
| 18      | 393025   | Rear Insert Ass'y.  |
| 19      | 222775   | Frame - Air Guide   |

### OPTIONAL EQUIPMENT

|        |                         |
|--------|-------------------------|
| 392154 | Spark Arrester Assembly |
| 222573 | Deflector (Side Outlet) |
| 93705  | Screw (4 Required)      |



# Sears

**MODEL NO.  
917.257050**

## HOW TO ORDER REPAIR PARTS

### MODEL NUMBER

The Model Number will be found on the Model Plate attached to the Battery Heat Shield, in front of the Battery. Always mention the Model Number when requesting service or repair parts.

### REPAIR PARTS

All parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED retail or catalog store.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- THE PART NUMBER
- THE PART DESCRIPTION
- THE MODEL NUMBER
- THE NAME OF MERCHANDISE

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".



### SEARS SERVICE

Your Sears merchandise takes on added value when you discover that Sears has over 2,000 Service Units throughout the country. Each is staffed by Sears-trained, professional technicians using Sears approved parts and methods.

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