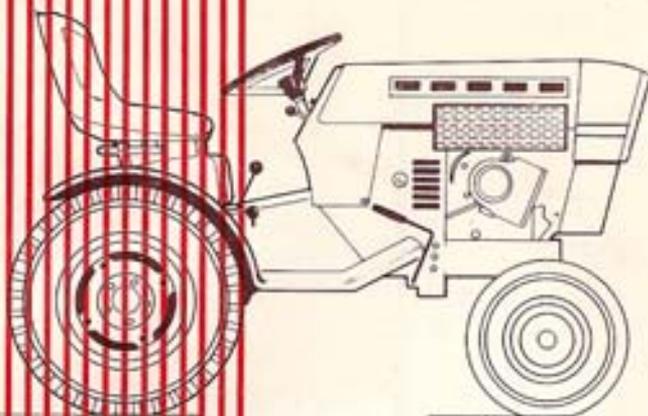


**Sears**

**MODEL NO.  
917.25170**

SERIAL NO.  
2997808357



# OWNER'S MANUAL

16/6

GARDEN TRACTOR

**Assembly  
Maintenance**

**Operation  
Repair Parts**



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

**CONGRATULATIONS** on your purchase of a Sears 16/6 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 16/6 GARDEN TRACTOR FEATURES...

**CRAFTSMAN OVERHEAD VALVE 16 H.P. ENGINE**--cool-running performance and long life 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.

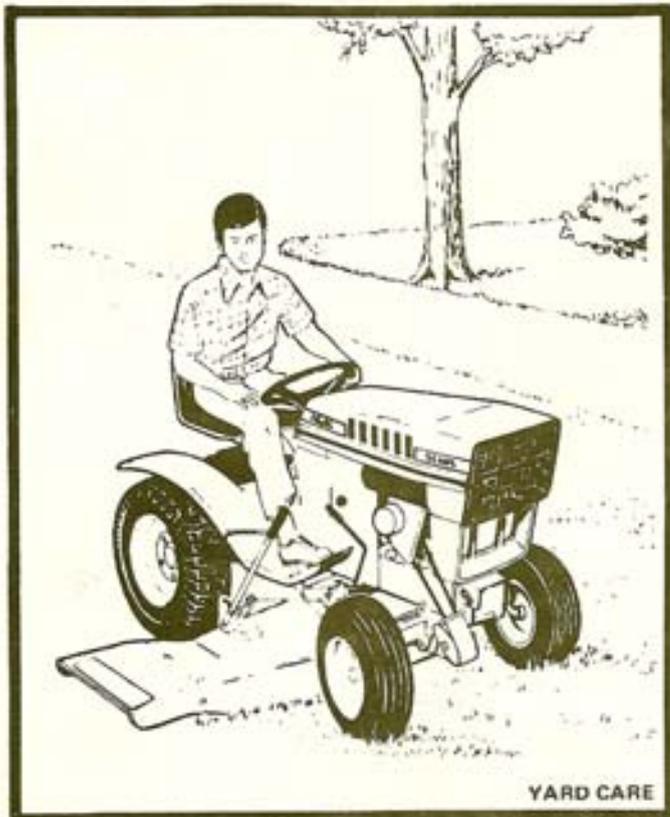
**LITTER WHISK LAWN SWEEPER** is more efficient than conventional lawn sweepers because of its wheel-less design; only the rotary brush touches the ground.

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

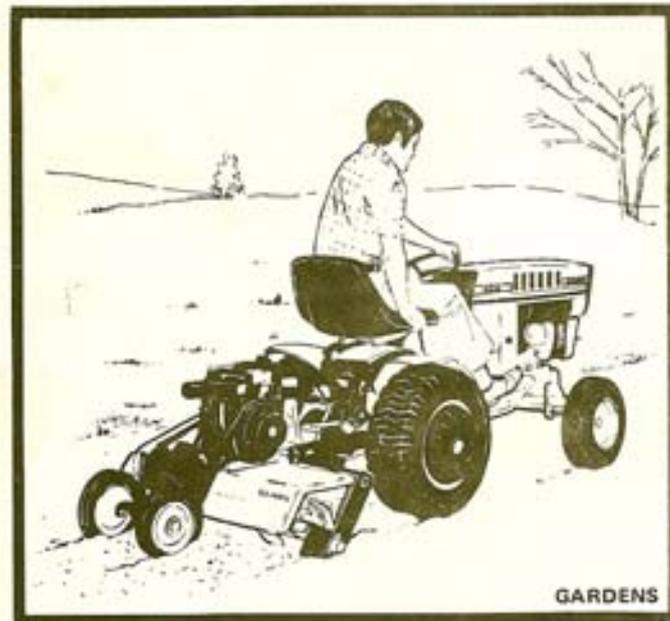
**OTHER SOIL TILLAGE ATTACHMENTS** including Plow, Disc Harrow, Drag Harrow and Cultivator.

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

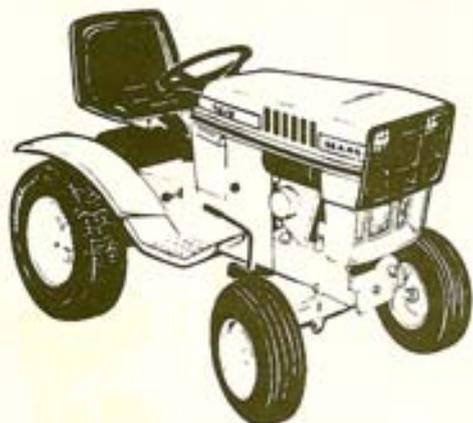
**SNOW BLOWER** handles wet, heavy or powdery snow with ease.



YARD CARE



GARDENS



SNOW REMOVAL

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## FULL ONE YEAR WARRANTY ON ELECTRIC START TRACTOR

For one year from the date of purchase, when this tractor is used for personal household purposes, Sears will repair any defect in material or workmanship in this tractor, except the battery, at no charge.

If the 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 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 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 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.

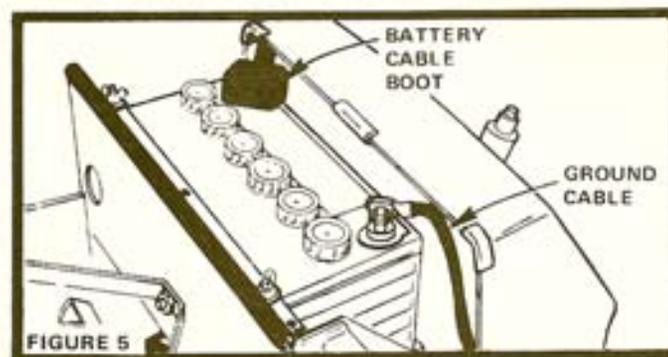
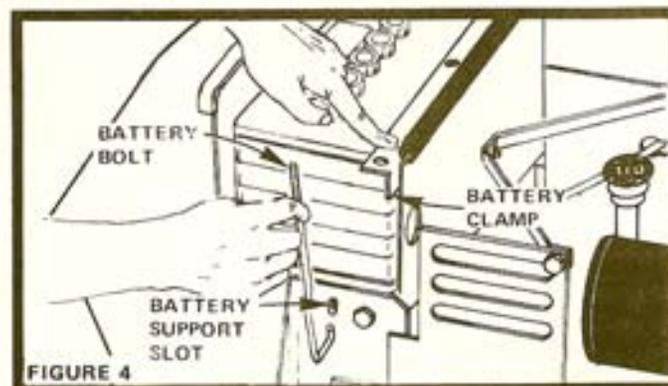
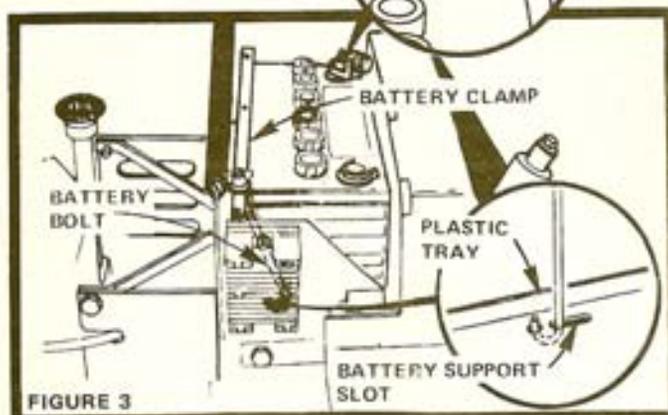
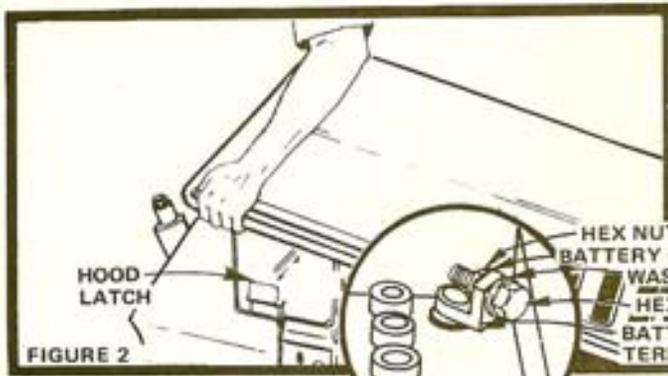
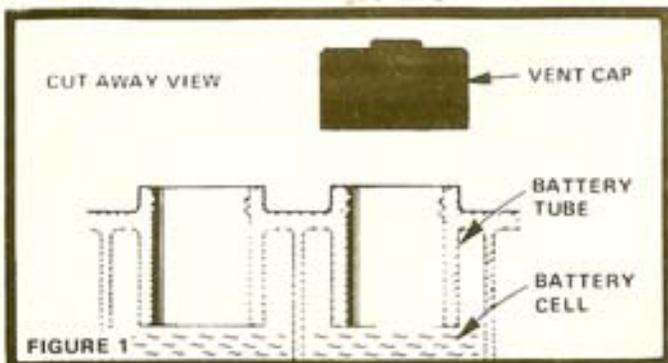
Sears, Roebuck and Co.  
Sears Tower  
BSC 41-3  
Chicago, IL 60684

## 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:  
one 7/16", 9/16" and 3/4" Wrench

## 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.

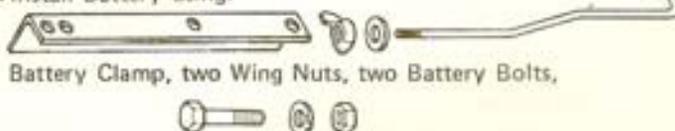
- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten Vent Caps securely,
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



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:



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 in Battery Support.
- c. Place Battery in Plastic Tray (Battery Terminals to rear of Tractor) (Fig. 3).
- d. Hook one Battery Bolt into slot on the left side of Battery Support (Fig. 3). Fasten Battery Clamp (inner slot) to Battery Bolt with a Flat Washer and Wing Nut.
- e. Hook remaining Battery Bolt to right side of Battery Support and fasten Battery Clamp to it with a Flat Washer and Wing Nut (Fig. 4). Tighten Wing Nuts securely.
- f. Secure RED Battery Cable to Positive (+) Battery Terminal as follows: Bolt (Head to rear of tractor), Washer, Battery Terminal, Battery Cable and Nut. Tighten Nut securely (Fig. 3). Place Boot over Terminal (Fig. 5).



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

- g. 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 Cap 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.
- Insert Steering Wheel Cap 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.

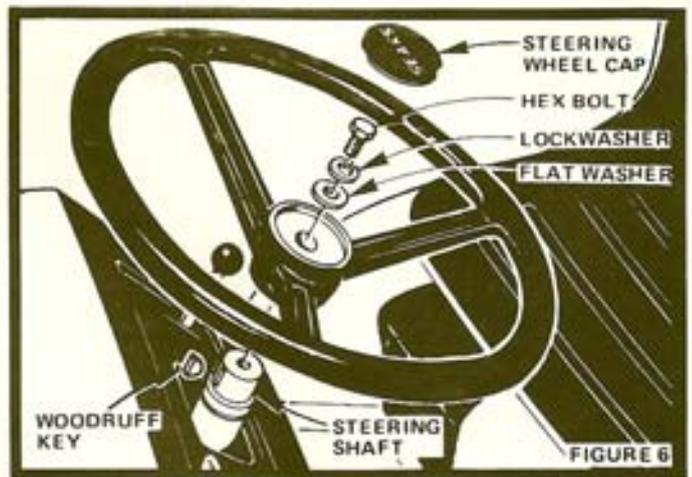


FIGURE 6

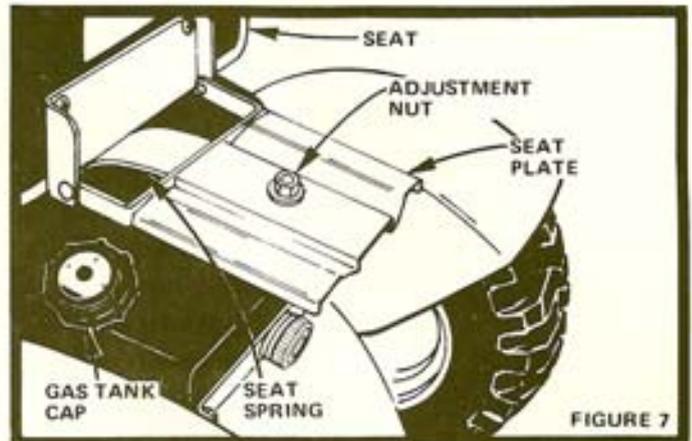
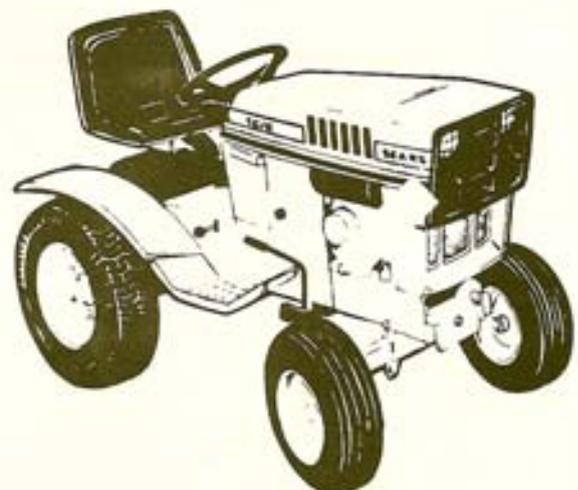


FIGURE 7



FIGURE 8



## OPERATION

### STARTING THE ENGINE

1. Place Parking Brake Lever in locked position (Fig. 9).
2. Place Attachment Clutch Lever 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 a 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.**

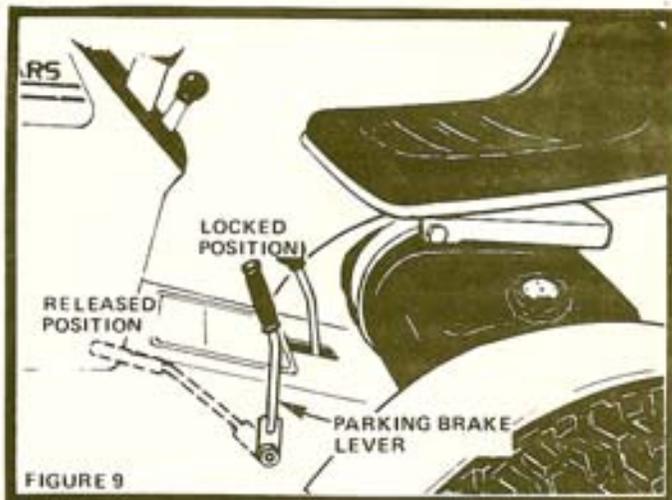


FIGURE 9

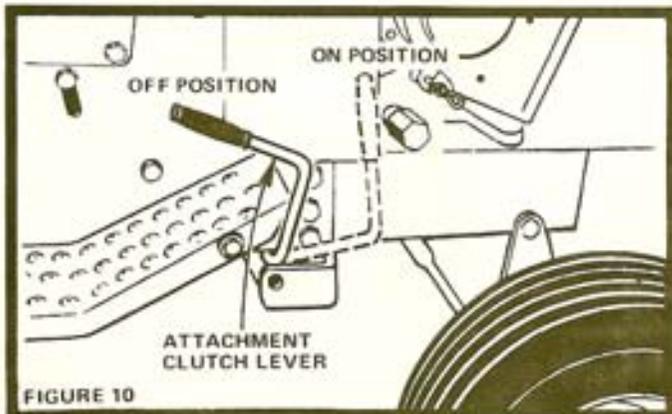


FIGURE 10

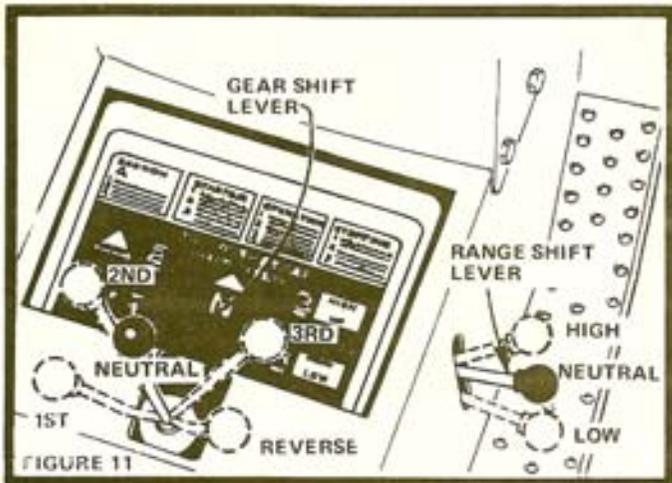


FIGURE 11

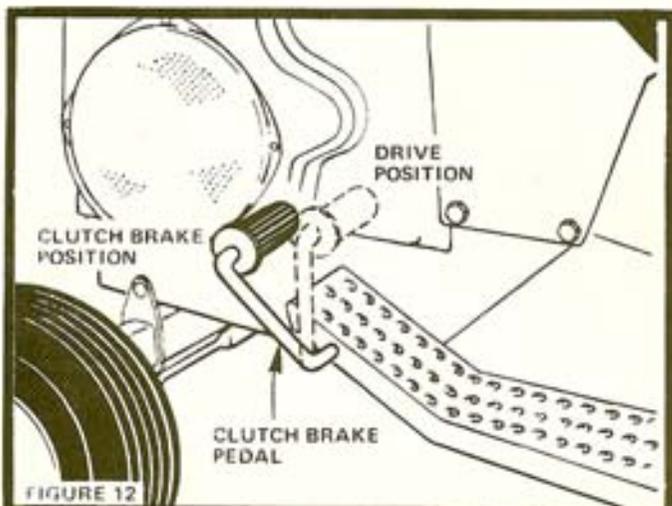


FIGURE 12

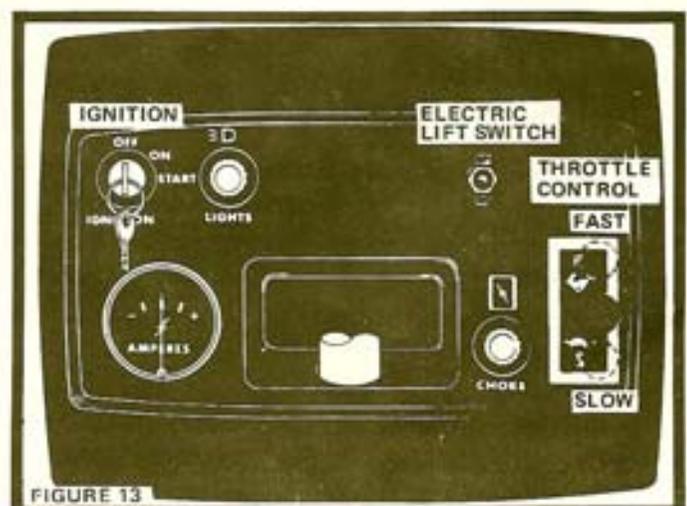


FIGURE 13

## 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. Release 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. Release Attachment Clutch.
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 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. Engage Parking Brake and shift to lowest speed range.
  - d. Partially release Clutch-Brake Pedal until forward movement begins.
  - e. Release 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.

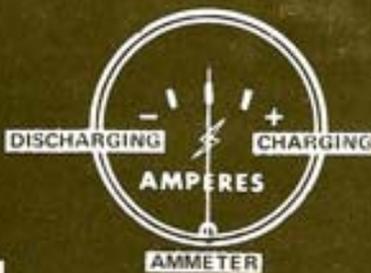


FIGURE 14

AMMETER

## 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 WIRE 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 OVERFILL.

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

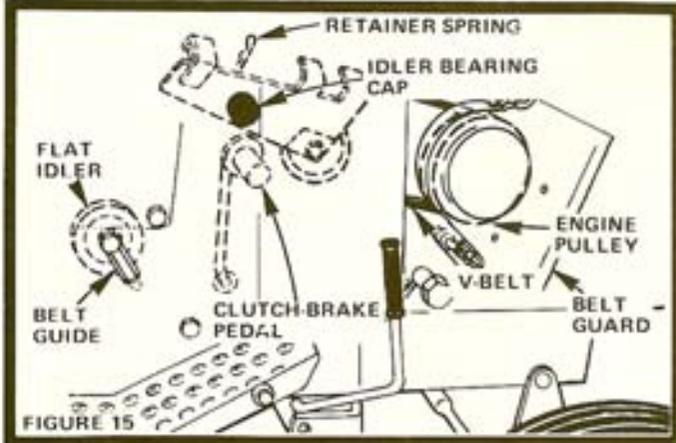


FIGURE 15

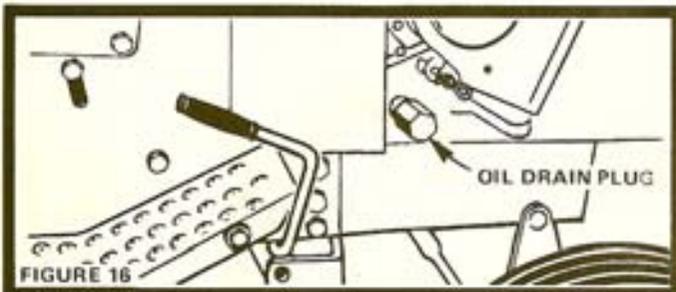


FIGURE 16



FIGURE 17

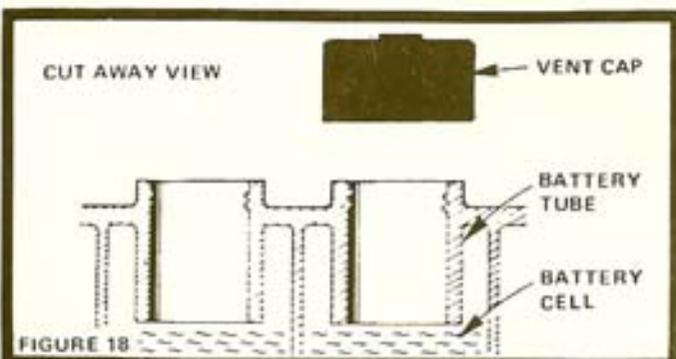


FIGURE 18

## 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 at your local Sears Service Center).

### 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 Plastic 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 AIR FILTER & FOAM PRE-CLEANER

- a. Unscrew Wing Nut (Fig. 20) to remove Air Filter Cover Paper Air Filter Element and Foam Pre-Cleaner.
- b. Clean dust from Paper Air Filter Element by gently tapping Element 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 Air Filter Element. Replace if excessively dirty.
- g. Re-Assemble Air Filter and re-position on Tractor. NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

### 2. CLEAN AIR SCREEN

Air Screen and Guard (Fig. 21) must allow free-flow of air to prevent Engine damage from overheating. Remove Air Screen and Guard and clean with a wire brush to remove dirt and chaff and 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.

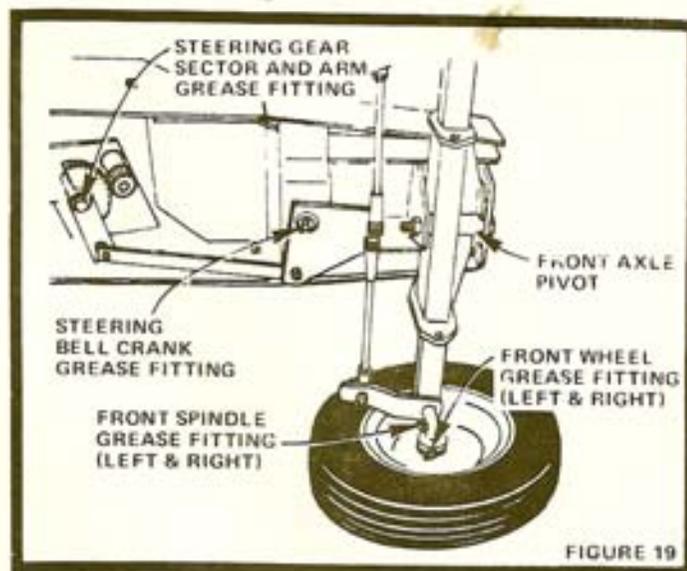


FIGURE 19

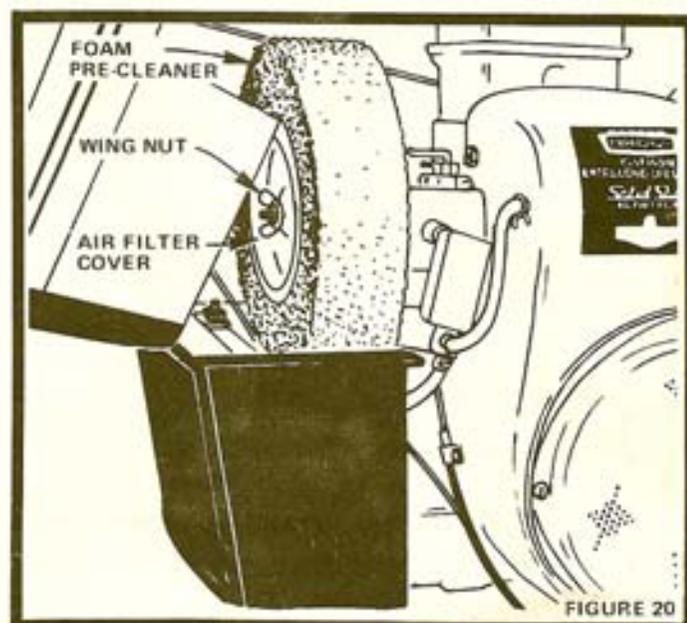


FIGURE 20

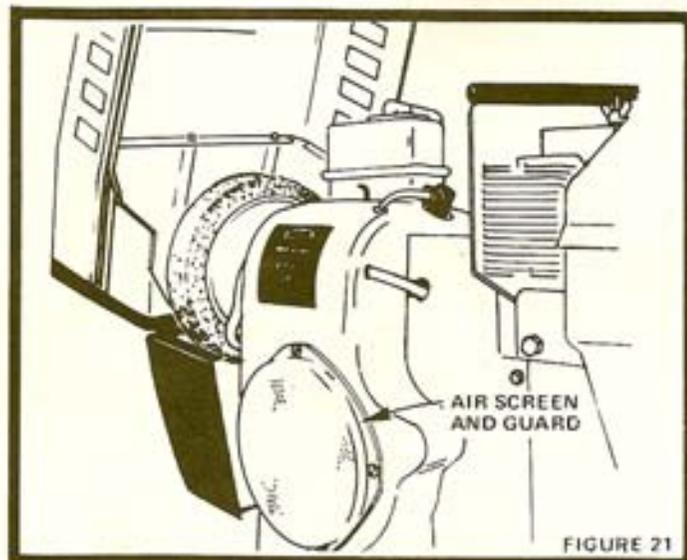
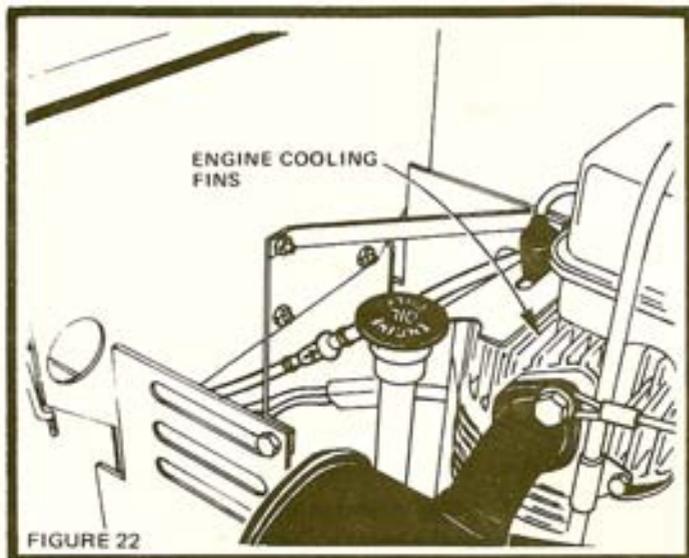


FIGURE 21



## EVERY 50 HOURS:

### 1. CLEAN ENGINE COOLING FINS

Remove any dust, dirt or oil from Engine Cooling Fins (Fig. 22) to prevent Engine damage from overheating.

### 2. CHECK TRANSAXLE OIL LEVEL

- Block up Rear Axle securely or use a Sears Tractor Jack. Remove Left rear wheel by removing E-Ring.
- 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.
- Reposition wheel. Secure with E-Ring.

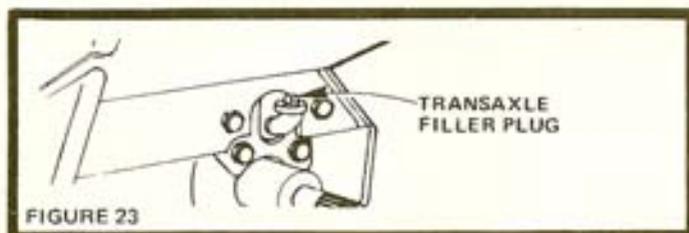
## EVERY 100 HOURS:

### 1. CLEAN SPARK PLUGS AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrodes and reset gap at .025 inch. (Fig. 24). 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. 27).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.



## EVERY 200 HOURS:

### REPLACE PAPER AIR FILTER ELEMENT

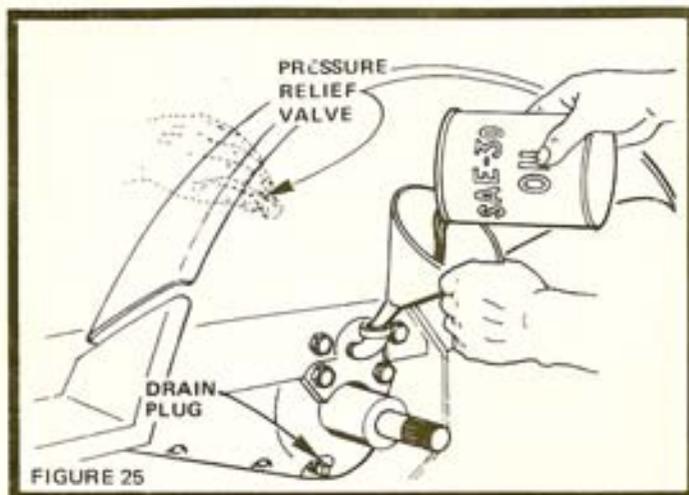
Refer to page 7.



## EVERY 480 HOURS:

### CHANGE TRANSAXLE OIL

- Block up Rear Axle securely or use a Sears Tractor Jack. Remove Left Rear Wheel by removing E-Ring.
- Drain Transaxle Oil by removing Drain Plug (Fig. 25) and catching Oil in suitable container. Replace Drain Plug.
- Refill Transaxle with S.A.E. 30 Motor Oil. Capacity is 5 quarts. Pressure Relief Valve located on R.H. side near top 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. 26).
- Place new Fuel Filter in position in Fuel Line (arrow on side of Filter in direction of fuel flow).



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

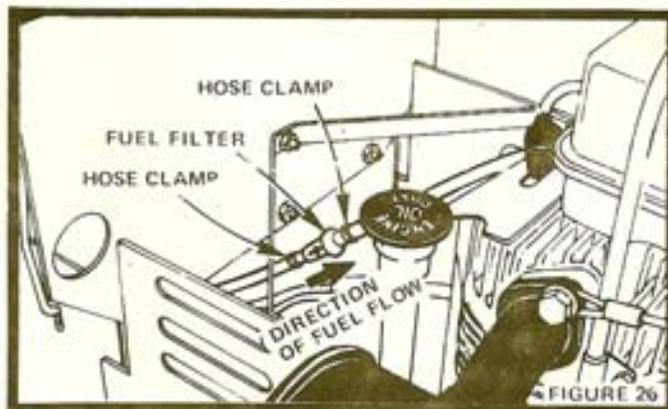


FIGURE 26

### 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. 27) 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.

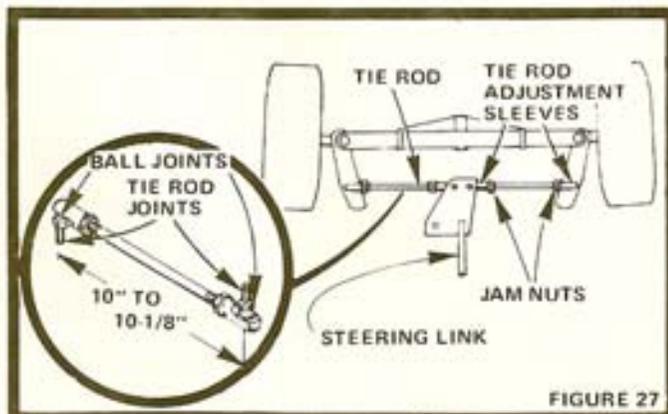


FIGURE 27

### 3. BRAKE ADJUSTMENT

If Clutch-Brake Pedal (Fig. 28) has more than approximately 4 inches of travel from vertical to full brake position then brake adjustment is necessary.

- Loosen Jam Nut (Fig. 28) 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 Jam Nut against Turnbuckle.

### 4. PARKING BRAKE ADJUSTMENT

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

- Loosen Parking Brake Hex Nuts (Fig. 28).
- 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.

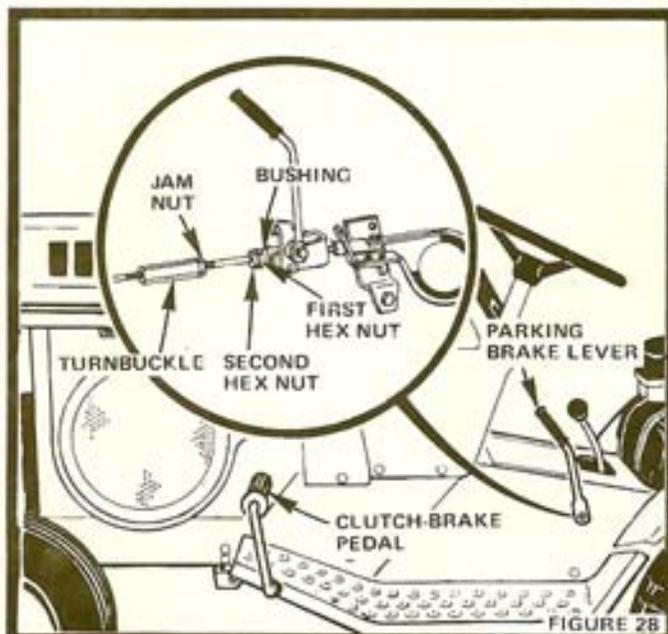


FIGURE 28

### 5. CARBURETOR ADJUSTMENT

If Engine lacks power or does not idle properly, the Carburetor may need adjustment.

- Main Fuel (High Speed) Screw (Fig. 29) should not require adjustment. If resetting is necessary, turn clockwise, closing finger tight ONLY, then turn counterclockwise 1 - 1/8 turn.
- Turn Idle Adjusting Needle (Fig. 29) clockwise, closing finger tight ONLY, and then turn counterclockwise two turns.
- Start Engine and allow to warm for five minutes.
- Make final adjustments with Engine running and Gear Shift Lever in Neutral position.
  - Turn Idle Adjusting Needle counterclockwise until Engine runs "rough" then clockwise until Engine begins to miss. Return Screw to a point midway between these extremes.
  - Throttle Stop Screw (Fig. 29) should not require adjustment. If resetting is necessary, set to obtain the slowest engine speed that will allow smooth acceleration.

### 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.**

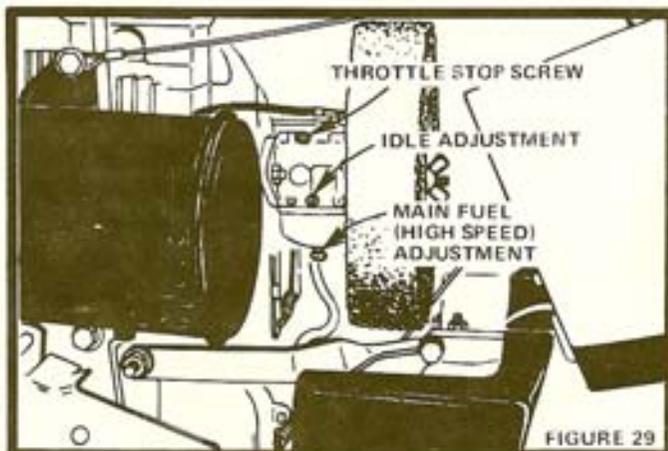


FIGURE 29

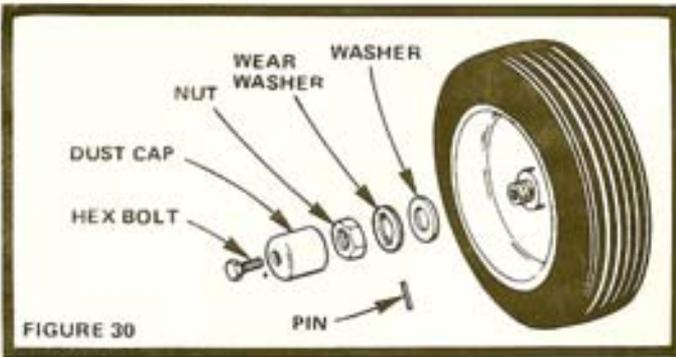


FIGURE 30

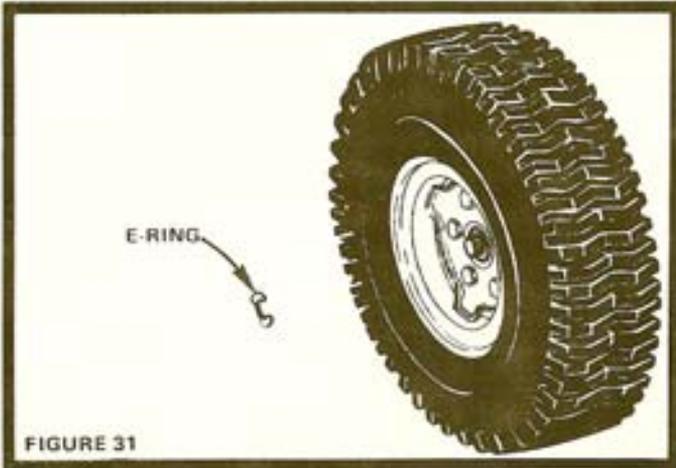


FIGURE 31

**7. 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.

- a. 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.
- b. Clean terminals with a wire brush until bright. Replace Battery Cables. Coat terminal connections with Vaseline.

**8. TIRE CARE**

- a. Maintain tire pressure in front and rear tires of 12 pounds.
- b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- d. Removing front wheel for tire repair (Fig. 30).
  - Block up front axle securely or use a Sears Tractor Jack.
  - Remove Hex Bolt and Dust Cap.
  - Remove Nut, Wear Washer, Pin and Washer to allow wheel removal.
  - Repair tire and reassemble.
- e. Removing rear wheel for tire repair (Fig. 31):
  - Block up rear axle securely or use a Sears Tractor Jack.
  - Remove E-Ring to allow wheel removal.
  - Repair tire and reassemble. Snap E-Ring securely in axle groove.

**9. FINISH**

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

SERVICE RECORD FILL IN DATES AS YOU COMPLETE REGULAR SERVICE	SERVICE DATES					
	FREQUENTLY	EVERY 5 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 200 HOURS
Check Engine Oil Level	✓					
Change Engine Oil		✓				
Oil Pivot Points	✓					
Lubricate Front Wheels & Steering	✓					
Check Transaxle Oil Level			✓			
Change Transaxle Oil					✓	
Clean Air Screen	✓	✓				
Clean Air Filter & Foam Pre-Cleaner		✓				
Replace Paper Air Filter Element				✓		
Clean Engine Cooling Fins			✓			
Clean Spark Plug & Reset Gap				✓		
Check Battery Levels	✓					
Check Tire Pressure	✓					

## TROUBLE SHOOTING

### POSSIBLE CAUSE

### POSSIBLE REMEDY

#### WILL NOT START

Clutch-Brake Pedal in drive position  
Attachment Clutch Lever in "ON" position  
No gasoline in Fuel Tank, clogged Fuel Filter or Fuel Line  
Blown Fuse  
Dead Battery

Press Pedal into brake position  
Move Lever to "OFF" position  
Fill Tank with Gasoline, Check Fuel Line, Fuel Filter and Carburetor (clean if necessary)  
Check for fault and replace Fuse  
Recharge or replace Battery

#### HARD TO START

Choked improperly, flooded Engine  
  
Clogged Fuel Filter  
Clogged Fuel Tank  
Dirty Air Cleaner  
Spark Plug dirty or improper gap  
Defective Battery  
Defective Ignition or loose wiring  
Water in gasoline or old fuel  
  
Improper Carburetor adjustment

Push Choke in, place Throttle Control in middle position and run starter several times to clear out gas  
Remove and replace  
Remove and clean  
Remove and clean  
Clean, adjust gap or replace  
Recharge or replace  
Check the wiring and Spark Plug  
Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plug  
Make necessary adjustments

#### ENGINE MISSES OR LACKS POWER

Engine overload  
Clogged Fuel Filter  
Clogged Fuel Tank  
Partially plugged Air Cleaner  
Improper Carburetor adjustment  
Dirty Air Screen  
Low oil level or dirty oil  
Spark Plug dirty, improper gap or wrong type  
Faulty ignition  
Poor compression  
Oil in gasoline

Shift to a lower gear or reduce load  
Remove and replace  
Remove and clean  
Remove and clean  
Make necessary adjustments  
Clean Air Screen and Cylinder Fins  
Add or change oil  
Clean, reset gap or replace  
Check Spark Plug and for loose wires  
Major Engine overhaul  
Drain and refill Gas Tank and Carburetor

#### ENGINE OVERHEATS

Dirty Air Screen  
Low oil level or dirty oil  
Dirty Engine  
Partially plugged Muffler  
Partially plugged Air Cleaner  
Stale fuel or improper Carburetor adjustment

Clean Air Screen  
Add or change oil  
Clean Cylinder Fins  
Remove and clean Muffler  
Remove and clean  
Use fresh fuel and adjust Carburetor

#### NO LIGHTS

No Headlights or Taillight with Light Switch Knob pulled out

Check Light Fuse under dash, replace Taillight Bulb or Sealed Beam Headlights

#### DON'T CHARGE

Blown Fuse  
Defective Battery

Check for fault and replace  
Replace

## STORAGE

### 1. ENGINE OIL

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

- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace Spark Plug.

### 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).

### 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.

### 3. CYLINDER

- Remove Spark Plug.
- Pour one ounce of oil through spark plug hole into cylinder.

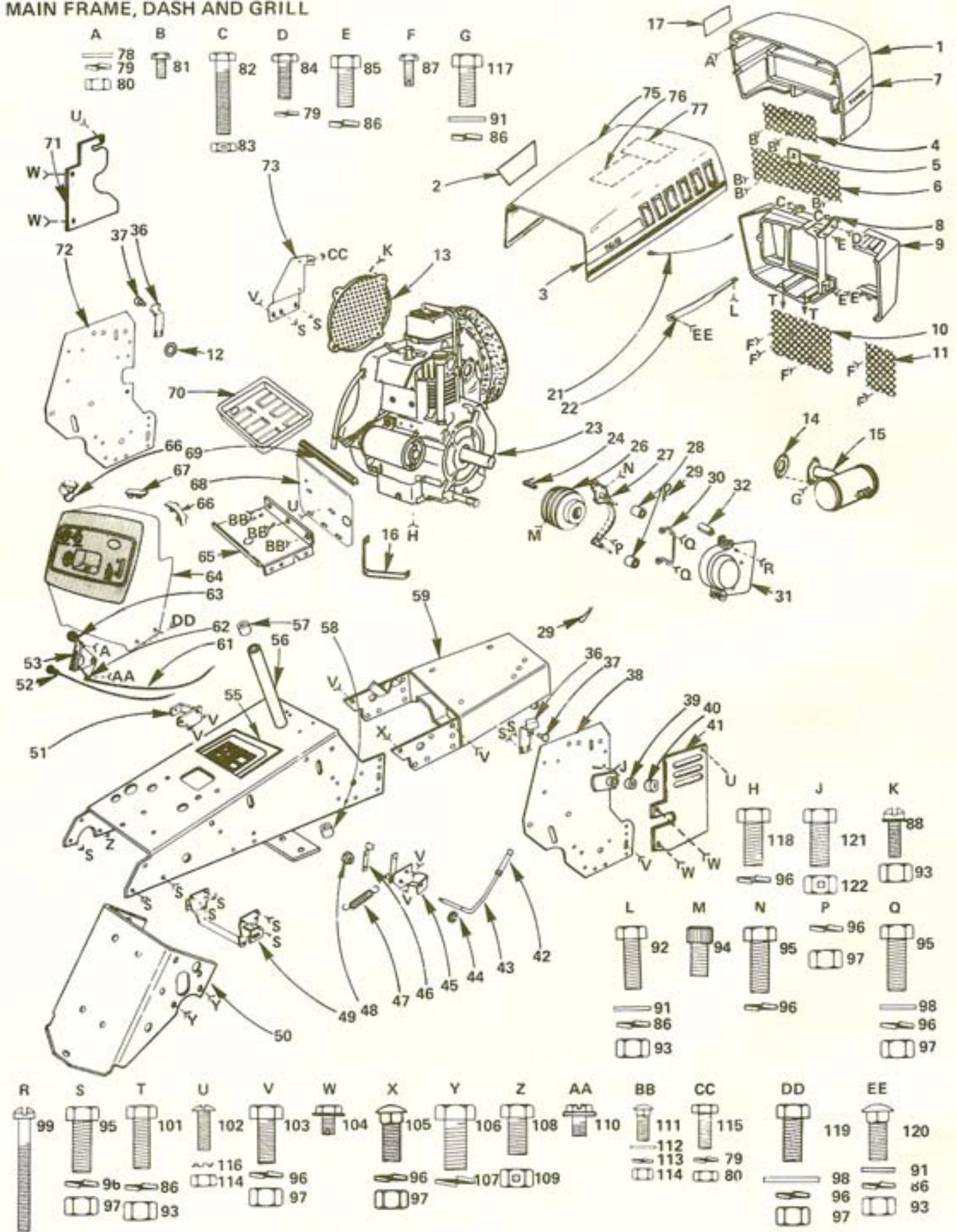
### 5. GENERAL CLEANING

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

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## MAIN FRAME, DASH AND GRILL



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

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## MAIN FRAME, DASH AND GRILL

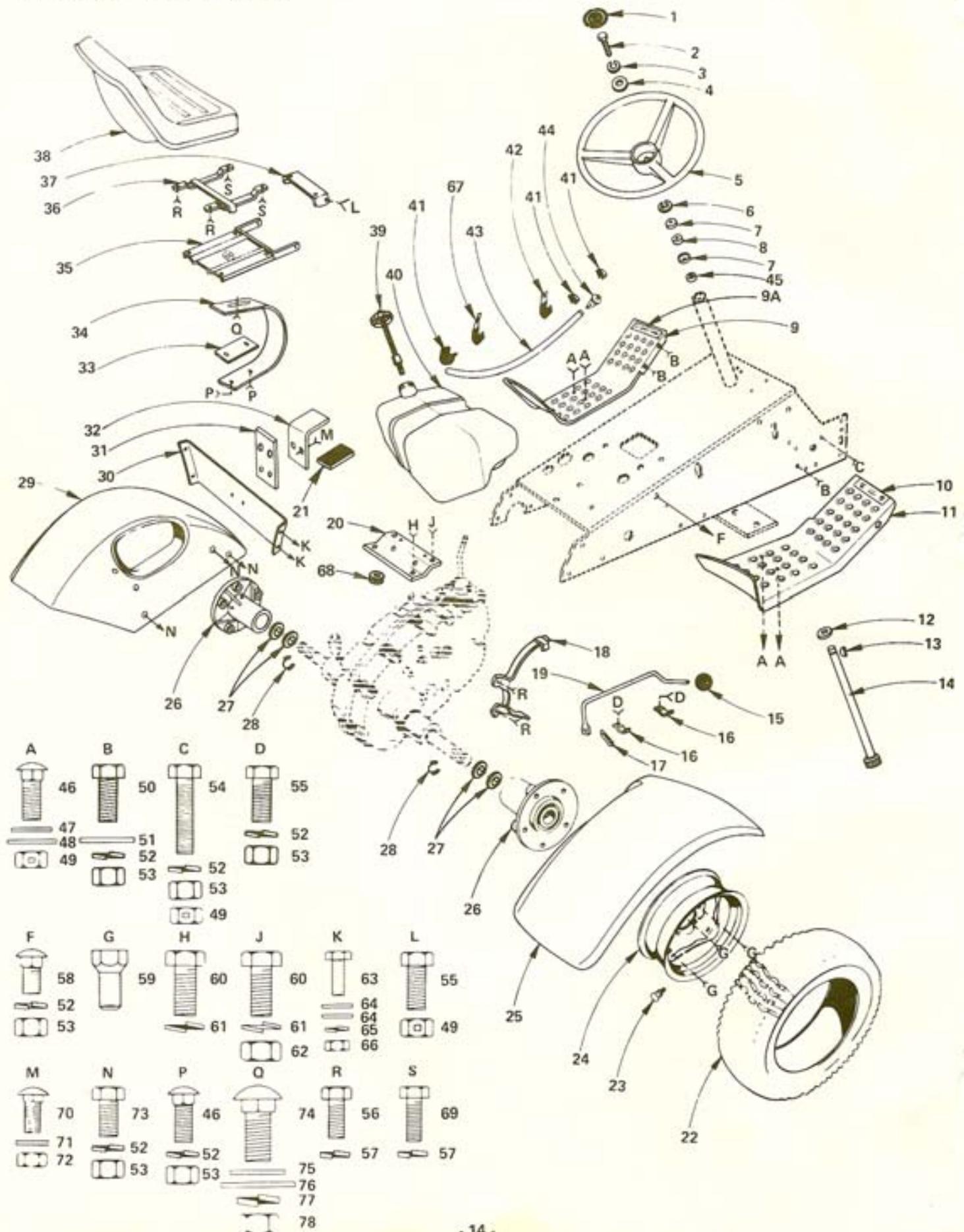
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	2676R	Grill - Upper	71	7906R	Cover - L.H.
2	9413R	Decal, Hood - L.H. Rear	72	7731R	Bracket - Battery Support
3	9414R	Decal, Hood - R.H. Rear	73	7835R	Bracket Rectifier
4	2672R	Grill Screen - Upper	75	634A680	Hood Ass'y.
5	8768H	Mounting Clip	76	8028R	Decal - Instruction
6	2794R	Grill Screen - Center	77	9878R	Decal - Wiring
7	9598R	Decal, Front - R.H.	78	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
8	7937R	Grill - Lower	79	STD551125	*Lockwasher 1/4
9	7938R	Grill Side	80	STD541025	*Hex Nut 1/4 - 20 UNC
10	2674R	Grill Screen - L.H.	81	STD611005	*Phillips Pan Hd. Thd. Cutting Screw 10 - 16 x 1/2
11	2673R	Grill Screen - R.H.	82	STD522515	*Hex Bolt 1/4 - 20 x 1 - 1/2 Gr. 5
12	7830R	Grommet	83	1605H	Locknut 1/4 - 20 UNC
13	704R	Air Inlet Screen	84	STD522507	*Hex Bolt 1/4 - 20 x 3/4
14	2949R	Gasket Muffler	85	STD523107	*Hex Bolt 5/16 - 18 x 3/4
15	7819R	Muffler	86	STD551131	*Lockwasher 5/16
16	7907R	Panel Brace	87	STD601003	*Phillips Pan Hd. Thd. Cutting Screw 10 - 24 x 3/8 Type T
17	9852R	Decal, Front - L.H.	88	6040P	Slotted Fil. Hd. Machine Screw w/Lock- washer 1/4 - 28 x 3/4
21	7900R	Grill Cable	91	STD551037	*Washer 11/32 x 11/16 x 16 Ga.
22	7899R	Grill Brace	92	STD523110	*Hex Bolt 5/16 - 18 x 1
23	634A846	Engine - 16 H.P. Craftsman Model No. 143.670032	93	STD541031	*Hex Nut 5/16 - 18 UNC
24	9396E	Sq. Key 1/4 x 2	94	4538P	Hex Socket Hdless. Set Screw 5/16 - 18 x 1/2
26	634A104	Engine Pulley (Inc. Key No. 94)	95	STD523710	*Hex Bolt 3/8 - 16 x 1
27	634A792	Mounting Plate and Guide Ass'y.	96	STD551137	*Lockwasher 3/8
28	8704H1	Spacer	97	STD541037	*Hex Nut 3/8 - 16 UNC
29	4939M	Retainer Spring	98	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
30	9011H	Belt Retainer	99	3154P	Slt. Fil. Hd. Machine Screw 1/4 - 20 x 2 - 1/4
31	634A660	Belt Guard Weldment	100	347H	Huglock Nut 1/4 - 20 UNC
32	8238H	Split Spacer	101	STD523112	*Hex Bolt 5/16 - 18 x 1 - 1/4
36	634A820	Hood Latch Ass'y.	102	STD511005	*Slt. Truss Hd. Mach. Screw 10 - 24 x 1/2
37	8457R	Support Bumper	103	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5
38	634A818	Battery Support Bracket (Inc. Key 39)	104	5557P	Hex Washer Hd. Thd. Cutting Screw 1/4 - 20 x 1/2 Type 1
39	7756R	Bearing	105	61P	Sq. Neck Short Shoulder Carriage Bolt 3/8 - 16 x 1 Gr. 5
40	8006R	Cap - Idler Shaft	106	3035P	Hex Bolt 7/16 - 14 x 1 - 1/4
41	7905R	Cover - R.H.	107	STD551143	*Lockwasher 7/16
42	4379H	Handle Grip	108	STD523707	*Hex Bolt 3/8 - 16 x 3/4
43	7945R	Attachment Clutch Lever	109	5394H	Locknut 3/8 - 16 UNC
44	5002P	E-Ring	110	STD551210	*Hex Slt. Hd. Machine Screw w/Sems Int. Tooth Lockwasher 10 - 32 x 1/4
45	634A785	Hanger Weldment R.H. - Front	111	53P	Sq. Neck Carriage Bolt 10 - 24 x 1/2
46	7944R	Belt Tightener Arm	112	STD551010	*Washer 7/32 x 7/16 x 18 Ga.
47	7948R	Return Spring	113	STD551110	*Lockwasher No. 10
48	7810H	Locknut 3/8 - 24 UNF	114	STD541010	*Hex Nut 10 - 24 UNC
49	634A814	Hanger Weldment - Rear	115	STD522505	*Hex Bolt 1/4 - 20 x 1/2
50	634A787	Drawbar and Weldnuts	116	STD551210	*Ext. Tooth Lockwasher No. 10
51	634A355	Hanger Weldment - L.H. - Front	117	STD523107	*Hex Bolt 5/16 - 18 x 3/4 Gr. 5
52	8591R	Choke Control	118	STD523707	*Hex Bolt 3/8 - 16 x 7/8
53	7932R	Throttle Control (Inc. Key 61, 62 & 63)	119	STD523715	*Hex Bolt 3/8 - 16 x 1 - 1/2
55	9634R	Decal (Shift Pattern)	120	STD533107	*Sq. Neck Carriage Bolt 5/16 - 18 x 3/4
56	634A888	Chassis Ass'y. (Inc. Key 57 & 58)	121	STD523108	*Hex Bolt 5/16 - 18 x 7/8
57	6468H	Bearing	122	1685H	Locknut 5/16 - 18 UNC
58	4766H	Bearing			
59	634A782	Engine Mount Ass'y.			
61	8205R	Throttle Wire & Casing			
62	8204R	Clamp			
63	8203R	Throttle Control Lever			
64	634A874	Dashboard (Inc. Key No's. 66 and 67)			
65	9402R	Battery Support			
66	1998R	Clip - Dashboard			
67	8571R	Clip - Dashboard, Center			
68	9687R	Battery Heat Shield			
69	7874R	Hood Seal			
70	8855R	Battery Tray			

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## STEERING AND FINAL DRIVE



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

# REPAIR PARTS:

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

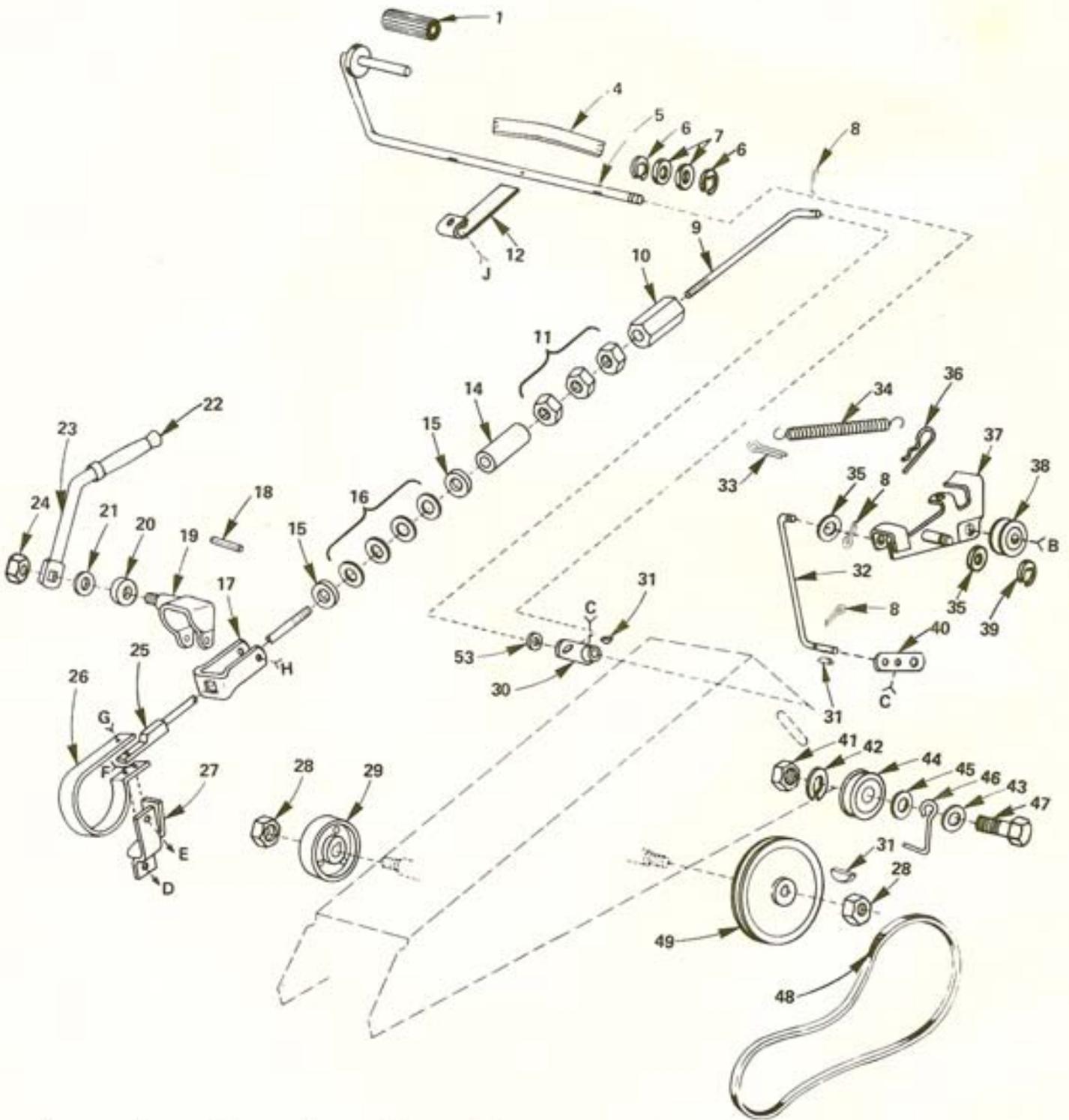
## STEERING AND FINAL DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	9597R	Steering Wheel Insert	46	STD533710	*Sq. Neck Carriage Bolt 3/8 - 16 x 1 Gr. 5
2	STD523710	*Hex Bolt 3/8 - 16 x 1	47	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
3	STD551137	*Lockwasher 3/8	48	1519P	Washer 15/32 x 1 x 12 Ga.
4	STD551043	*Washer 7/16 x 1 x 10 Ga.	49	5394H	Locknut 3/8 - 16 UNC
5	7893R	Steering Wheel	50	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4
6	STD582075	*E-Ring	51	STD551037	*Washer 13/32 x 13/16 x 11 Ga.
7	9007H	Cap	52	STD551137	*Lockwasher 3/8
8	5949H	Rubber Bushing	53	STD541037	*Hex Nut 3/8 - 16
9	7903R	Foot Rest - L.H.	54	3252P	Hex Bolt 3/8 - 16 x 1 - 1/2
9A	9596R	Decal (Clutch-Brake)	55	STD523707	*Hex Bolt 3/8 - 16 x 7/8
10	8900R	Decal (Attach. Clutch)	56	STD523107	*Hex Bolt 5/16 - 18 x 3/4
11	7904R	Foot Rest - R.H.	57	STD551131	*Lockwasher 5/16
12	1553P	Washer 57/64 x 1 - 1/4 x 16 Ga.	58	STD533707	*Sq. Neck Carriage Bolt 3/8 - 16 x 3/4
13	9858M1	Woodruff Key 3/16 x 5/8	59	1304H	Hub Bolt
14	634A775	Steering Shaft and Pinion	60	3034P	Hex Bolt 7/16 - 14 x 1
15	7987R	Control Knob	61	STD551143	*Lockwasher 7/16
16	6442H	Shift Rod Bracket	62	STD541043	*Hex Nut 7/16 - 14
17	STD561820	*Cotter Pin 3/16 x 1	63	STD522507	*Hex Bolt 1/4 - 20 x 3/4
18	634A22A	Belt Guide	64	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
19	6477H	Range Shift Rod	65	STD551125	*Lockwasher 1/4
20	9594R	Transmission Bracket	66	STD541025	*Hex Nut 1/4 - 20 UNC
21	8357R	Fuel Tank Pad	67	9297R	Clip, Fuel Line
22	794R	Rear Tire 23 x 9.50 - 12	68	9547R	Rubber Grommet
23	795R	Tire Valve	69	STD523108	*Hex Bolt 5/16 - 18 x 7/8
24	2893R	Rear Wheel	70	STD532507	*Short Shoulder Sq. Neck Carriage Bolt 5/16 - 18 x 3/4
25	9428R	Fender - R.H.	71	STD551037	*Washer 11/32 x 11/16 x 16 Ga.
26	634A692	Wheel Hub - Rear	72	1685H	Lock Nut 5/16 - 18 UNC
27	7563R	Axle Thrust Washer	73	STD523707	*Hex Bolt 3/8 - 16 x 3/4
28	5845R	E-Ring	74	STD535012	*Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5
29	9427R	Fender - L.H.	75	STD551075	*Washer 3/4 x 1 - 1/8 x 11 Ga.
30	2656R	Bracket - Tail Light	76	STD551050	*Washer 17/32 x 1 - 1/2 x 11 Ga.
31	634A823	Seat Stop and Bracket	77	STD551150	*Lockwasher 1/2
32	634A824	Fuel Tank Retainer and Pads	78	STD541050	*Hex Nut 1/2 - 13 UNC
33	8141H	Seat Spring Reinforcement	---	9383R	Owners Manual
34	7898R	Seat Spring			
35	634A776	Seat Plate Weldment			
36	634A532	Seat Bracket Weldment			*STANDARD HARDWARE--PURCHASE LOCALLY
37	7897R	Pivot Seat Bracket			
38	9544R	Seat			
39	7886R	Fuel Gauge			
40	7885R	Fuel Tank			
41	6999R	Hose Clamp			
42	2751R	Clip - Fuel Line			
43	8373R	Fuel Line			
44	7741R	Fuel Filter			
45	7895R	Steering Shaft Spacer			

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## BRAKE AND CLUTCH



- |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|
| <b>B</b> | <b>C</b> | <b>D</b> | <b>E</b> | <b>F</b> | <b>G</b> | <b>H</b> | <b>J</b> |
|          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |
|          |          |          |          |          |          |          |          |

# REPAIR PARTS:

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## BRAKE AND CLUTCH

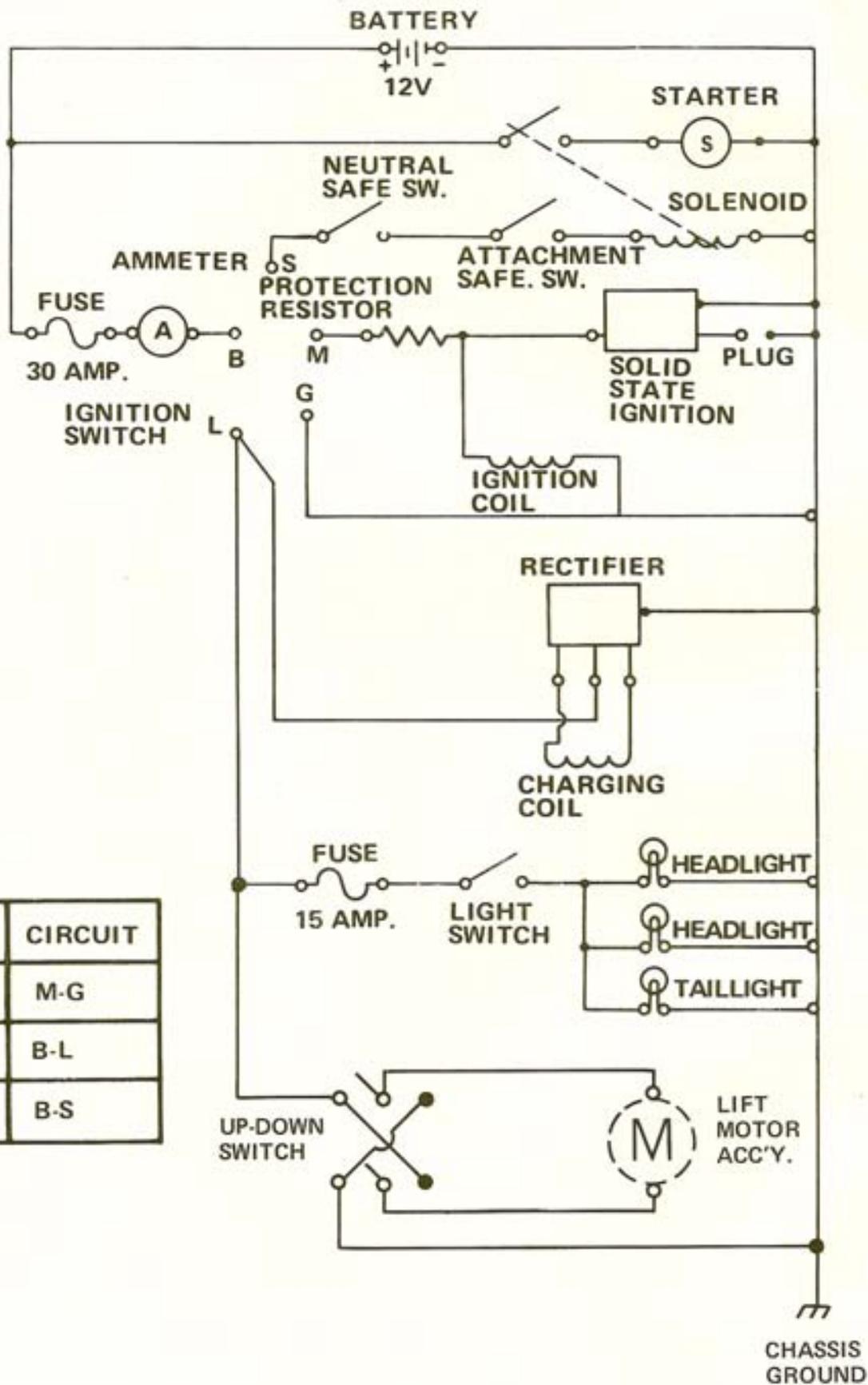
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8156H	Foot Pedal Cover	37	634A754	Idler Bracket Weldment
4	9008H	Spring	38	634A86	Idler, Bolt & Nut (Inc. Key No's. 52 & 54)
5	634A757	Foot Pedal Shaft Weldment	39	STD581050	*E-Ring
6	STD581062	*E-Ring	40	626A31A	Steering Arm Assembly
7	1527P	Washer 21/32 x 7/8 x 16 Ga.	41	STD541043	*Hex Nut 7/16 - 14 UNC
8	STD561210	*Cotter Pin 1/8 x 3/4	42	STD551143	*Lockwasher 7/16
9	2202R	Brake Rod - Front	43	STD551043	*Washer 15/32 x 11/16 x 16 Ga.
10	6417H	Turnbuckle	44	6635H	Flat Idler
11	STD541037	*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	STD551037	*Washer 13/32 x 13/16 x 11 Ga.	48	6474H	V-Belt
16	2263R	Spring Washer	49	6461H2	Pulley, Transmission
17	2197R	Parking Brake Yoke	52	STD623710	*Fin. Hex Bolt 3/8 - 24 x 1
18	175H	Roll Pin	53	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
19	634A489	Lock Bracket Assembly	54	STD541537	*Hex Jam Locknut 3/8 - 24 UNF
20	2221R	Parking Brake Spacer	55	4501P	Sq. Hd. Set Screw 5/16 - 18 x 1/2
21	5999H	Spring Washer	56	STD523707	*Hex Bolt 3/8 - 16 x 7/8
22	4379H	Handle Grip	57	STD551137	*Lockwasher 3/8
23	626A341	Parking Lock Handle Assembly	58	3164P	Flat Hd. Machine Screw - Undercut 3/8 - 16 x 3/4
24	7810H	Gripco Centerlock Nut 3/8 - 24 UNF	59	STD532507	*Sq. Neck Carriage Bolt 1/4 - 20 x 5/8
25	626A365	Brake Rod Assembly	60	STD551125	*Lockwasher 1/4
26	634A167	Brake Band and Lining	61	STD541025	*Hex Nut 1/4 - 20
27	634A168	Brake Bracket Assembly	62	STD523108	*Hex Bolt 5/16 - 18 x 7/8
28	9204H	Lock Nut 1/2 - 20 UNF	63	1685H	Locknut 5/16 - 18 UNC
29	7648H1	Brake Drum	64	3244P	Hex Bolt 1/4 - 28 x 5/8 Gr. 5
30	634A838	Brake Arm Assembly	65	9071H	Huglock Nut 1/4 - 28 UNF
31	9858M1	Woodruff Key	66	3326P	Hex Hd. Mach. Screw 6 - 32 x 1
32	9288R	Clutch Rod	67	STD551008	*Flat Washer 5/32 x 3/8 x 20 Ga.
33	STD561820	*Cotter Pin 1/4 x 1	68	562P	Center Locknut 6 - 32 UNC
34	6486H	Spring			
35	1587P	Washer 17/32 x 1 - 1/16 x 21 Ga.			
36	4939M	Retainer Spring			

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS:

SCHEMATIC DIAGRAM

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

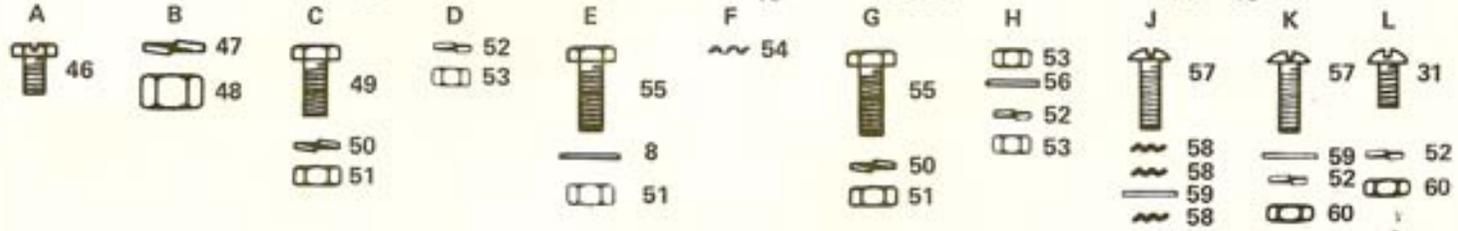
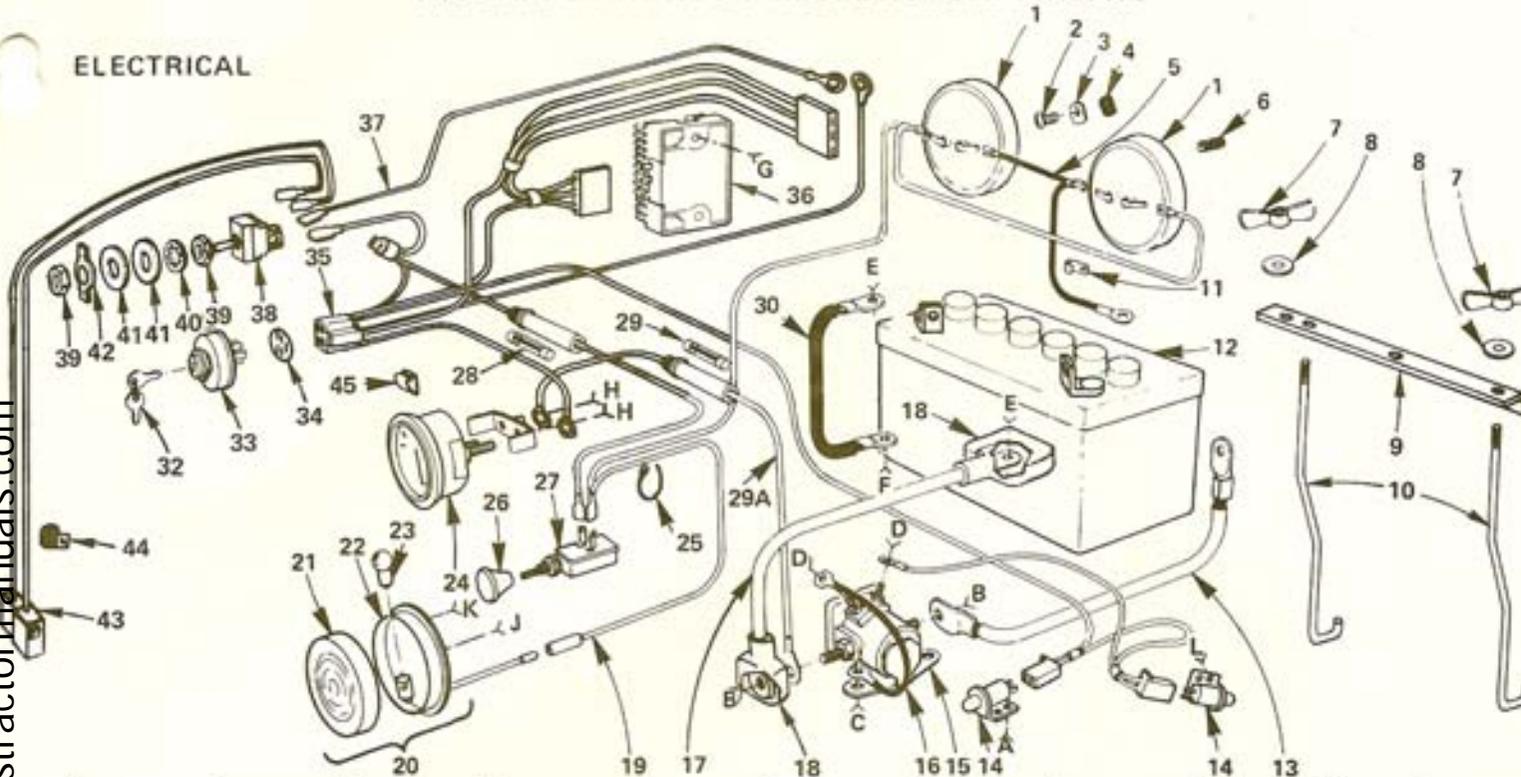


POSITION	CIRCUIT
OFF	M-G
RUN	B-L
START	B-S

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## ELECTRICAL



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	31	3357P	Std. R.H. Mach. Screw No. 10 - 24 x 1/2
2	5554P	Phillips Pan Hd. Thd. Cutting Screw No. 10 - 16 x 1/2	32	7552H	Key Set
3	8768H	Mounting Clip	33	4406R	Ignition Switch
4	8784H1	Rubber Spacer	34	8657R	Terminal Identifier
5	8031R	Headlight Ground Wire	35	9543R	Ignition Wire Harness
6	9197H	Hose	36	7809R	Regulator - Rectifier
7	3748M	Wing Nut 1/4 - 20 UNC	37	9698R	Wire, Ground Lift Switch
8	1506P	Washer 9/32 x 5/8 x 16 Ga.	38	8984R	Switch, Elec. Lift
9	9400R	Battery Clamp	39	566P	Hex Nut, Steel 7/16 - 32 NS - 2A
10	2685R	Battery Bolt	40	7319R	Lockwasher, Internal Tooth
11	4171R	Insulated Clip	41	1518P	Washer 15/32 x 11/16 x 16 Ga.
12	8859R	Battery - "Sears Die-Hard"	42	9349R	Switch Plate
13	2235R	Cable - Solenoid to Starter	43	8985R	Lift Motor Harness
14	7755R	Safety Switch	44	5320R	Clip, Wire
15	7754R	Solenoid	45	8615R	Clip
16	8027R	Wire - Ground to Solenoid	46	5534P	Slotted Hex Indented Hd. Self Tapping Screw Type 1 No. 10 - 24 x 3/8
17	2226R	Battery Cable	47	STD551131	* Lockwasher 5/16
18	8856R	Terminal Cover	48	STD541331	* Hex Jam Nut 5/16 - 24 UNF
19	8030R	Light Harness	49	STD522506	* Hex Bolt 1/4 - 20 x 5/8
20	8089H	Tail Light (Inc. Key No. 21, 22, 23)	50	STD551125	* Lockwasher 1/4
21	8292H	Lens - Taillight	51	STD541025	* Hex Nut 1/4 - 20 UNC
22	8293H	Housing - Taillight	52	STD551110	* Lockwasher No. 10
23	8291H	Bulb No. 1895 2 Candle Power	53	STD541110	* Hex Nut No. 10 - 32 UNF
24	9433R	Ammeter	54	1402P	Ext. Tooth Lockwasher 3/8
25	6106R	Tie	55	STD522507	* Hex Bolt 1/4 - 20 x 3/4
26	7794R	Light Switch Knob	56	1583P	Brass Washer No. 10
27	7793R	Light Switch	57	STD511007	* Std. Truss Hd. Mach. Screw 10 - 24 x 3/4
28	2212R	Fuse - 15 Amp.	58	1404P	Ext. Tooth Lockwasher No. 10
29	6347R	Fuse - 30 Amp.	59	STD551010	* Washer 7/32 x 1/2 x 18 Ga.
29A	8113R	Fuse Harness	60	STD541010	* Hex Mach. Screw Nut No. 10 - 24 UNC
30	2753R	Battery Cable - Ground			

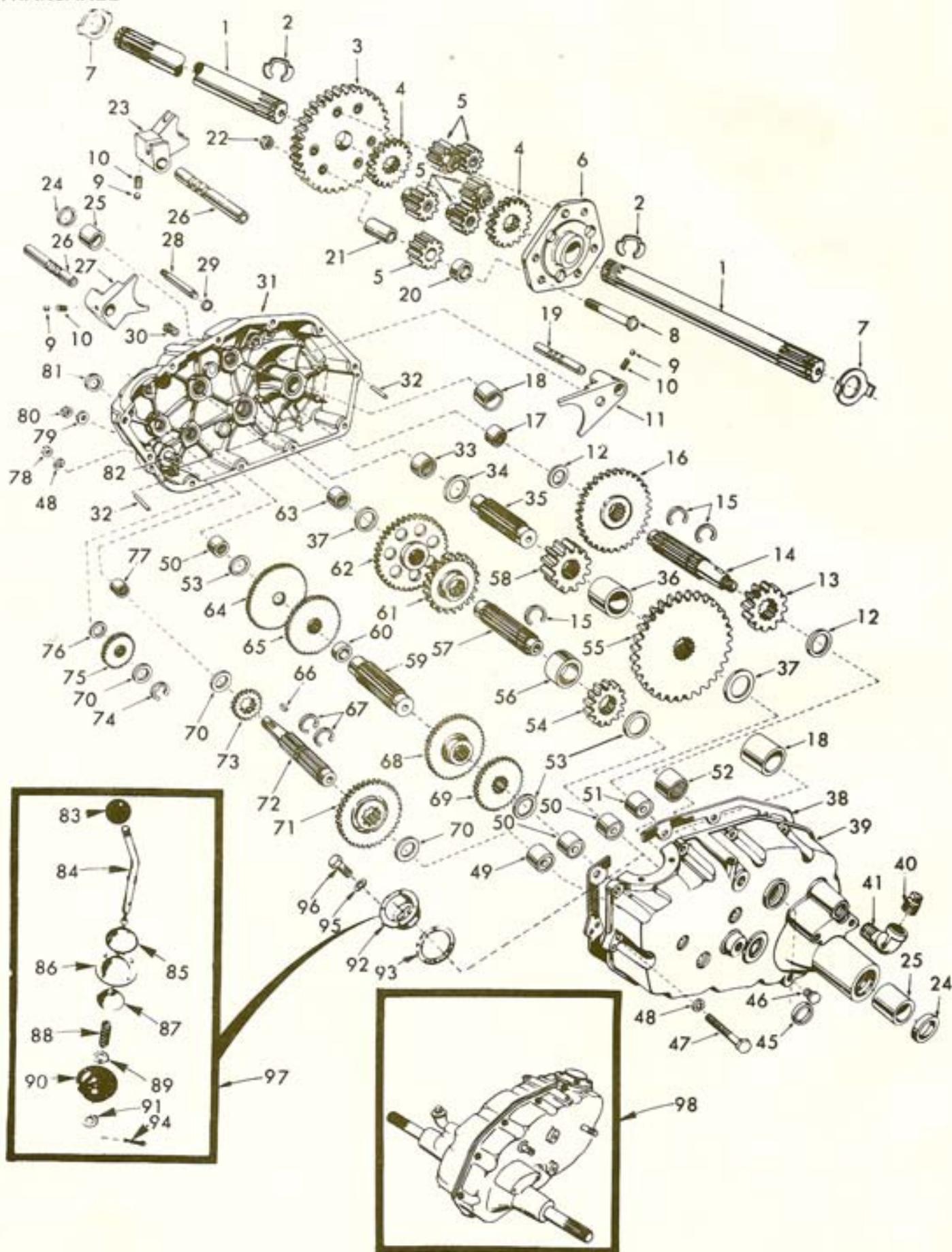
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# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## TRANSAXLE



# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## TRANSAXLE

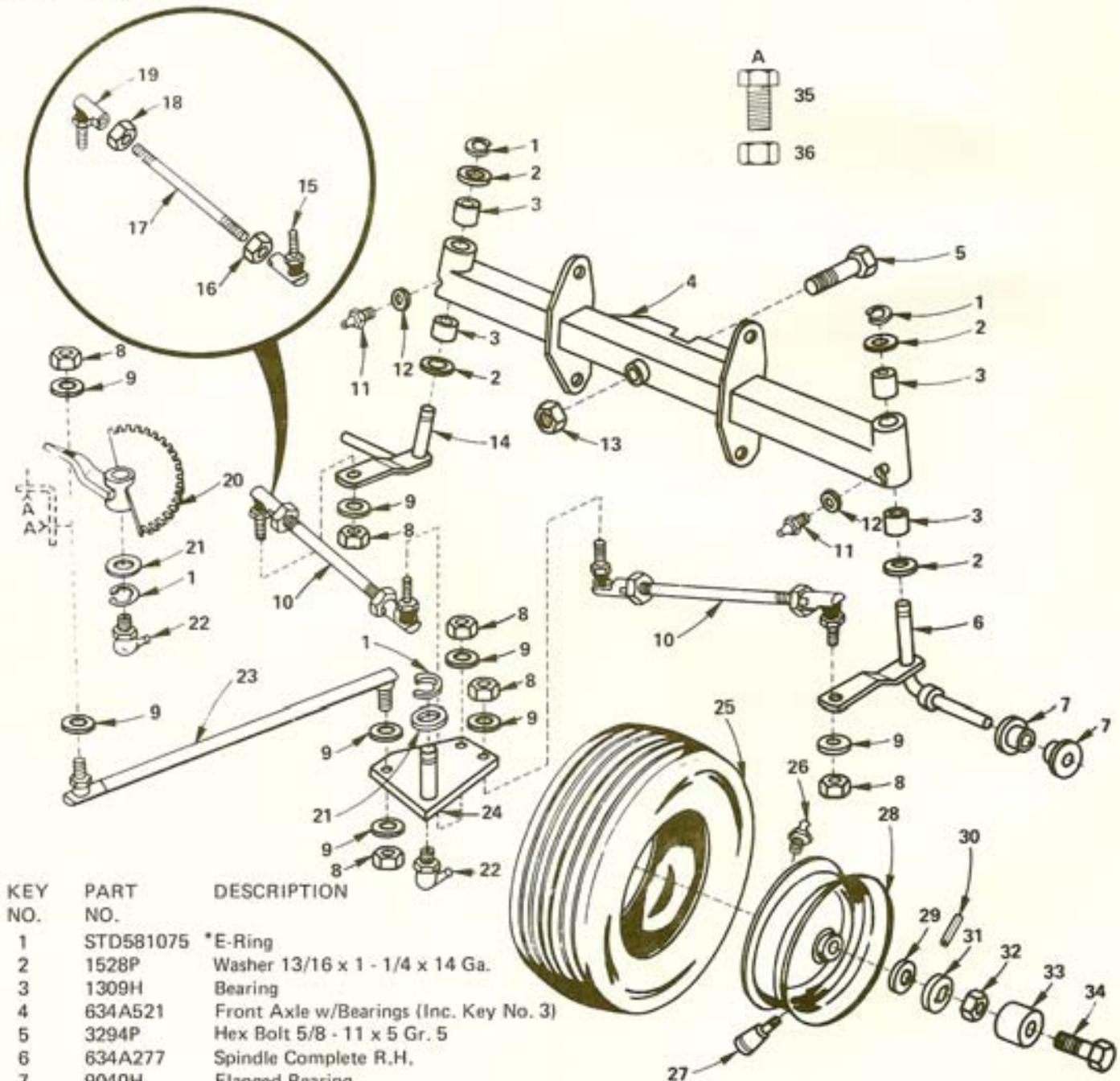
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	4202R	Axle Shaft	49	4895H	Needle Bearing
2	5845R	Retaining Ring	50	4222R	Needle Bearing
3	4199R	Final Drive Gear	51	1529R	Needle Bearing
4	4216R	Differential Gear	52	8119M	Needle Bearing
5	4215R	Differential Pinion	53	4220R	Thrust Bearing Race
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 (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 Pinion Cluster
17	8118M	Needle Bearing	65	4204R	Reverse Gear
18	9040R	Sintered Iron Bearing	66	9858M1	Woodruff Key 3/16 x 5/8
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 Pinions Cluster Gear
24	7393R	Oil Seal	72	4193R	Input Shaft
25	9039R	Sintered Iron Bearing	73	4201R	Low Speed Pinion
26	6216H	Shift Fork Shaft	74	STD581062	*E-Ring
27	6262H	Shift Fork - R.H.	75	1153R	Reverse Idler Gear
28	6215H	Shift Shaft, High - Low Range	76	7392H	Reverse Idler Thrust Washer
29	6269H	Oil Seal	77	5529H	Needle Bearing
30	5855H	Pressure Relief Valve	78	STD541031	*Hex Nut 5/16 - 18 UNC
31	633A65	Gearcase, Reverse Idler Shaft and Bearings - R.H. (Inc. Key No's. 17, 18, 25, 33, 50, 63, 76, 77 and 82)	79	1167R	Sealing Washer
32	6277H	Dowel Pin	80	541P	Hex Jam Nut 7/16 - 20 UNF
33	4225R	Needle Bearing	81	6270H	Oil Seal
34	7396H	Thrust Bearing Race	82	7384H	Reverse Idler Shaft
35	4198R	4th Reduction Gear Shaft	83	7987R	Control Knob
36	4200R	4th Reduction Gear Spacer	84	8551R	Gear Shift Lever - Bent
37	7395H	Thrust Bearing Race	85	4869H1	Gear Shift Cap
38	6275H	Gearcase Gasket	86	633A39A	Gear Shift Ball Cover
39	633A64	Gearcase and Bearings - L.H. (Inc. Key No's. 18, 25, 49, 50 (2), 51 and 52)	87	8739H1	Shift Lever Guide Ball - Keyed Spring
40	4002P	Pipe Plug 1/2 - 14 N.P.T.	88	4924H	Spring
41	4003P	Street Elbow 90°, 1/2 - 1/4 N.P.T.	89	STD551043	*Washer 15/32 x 59/64 x 16 Ga.
45	6271H	Oil Seal	90	8105R	Shift Mechanism Seal
46	4001P	Pipe Plug 1/4 - 18 N.P.T.	91	STD551050	*Washer 9/16 x 15/16 x 11 Ga.
47	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2 Grade 5	92	75J	Gear Shift Gate
48	STD551131	*Lockwasher 5/16 Extra Heavy	93	6274H	Shift Ball Cover Gasket
			94	STD561210	*Cotter 1/8 x 3/4
			95	STD551131	*Lockwasher 5/16
			96	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
			97	633A82	Gear Shift Lever Ass'y. (Inc. Key No's. 83 thru 91, 94 and 99)
			98	633A78	Transaxle Assembly Less Brake Drum & Shift Lever
			99	7835M	Woodruff Key

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

## FRONT AXLE



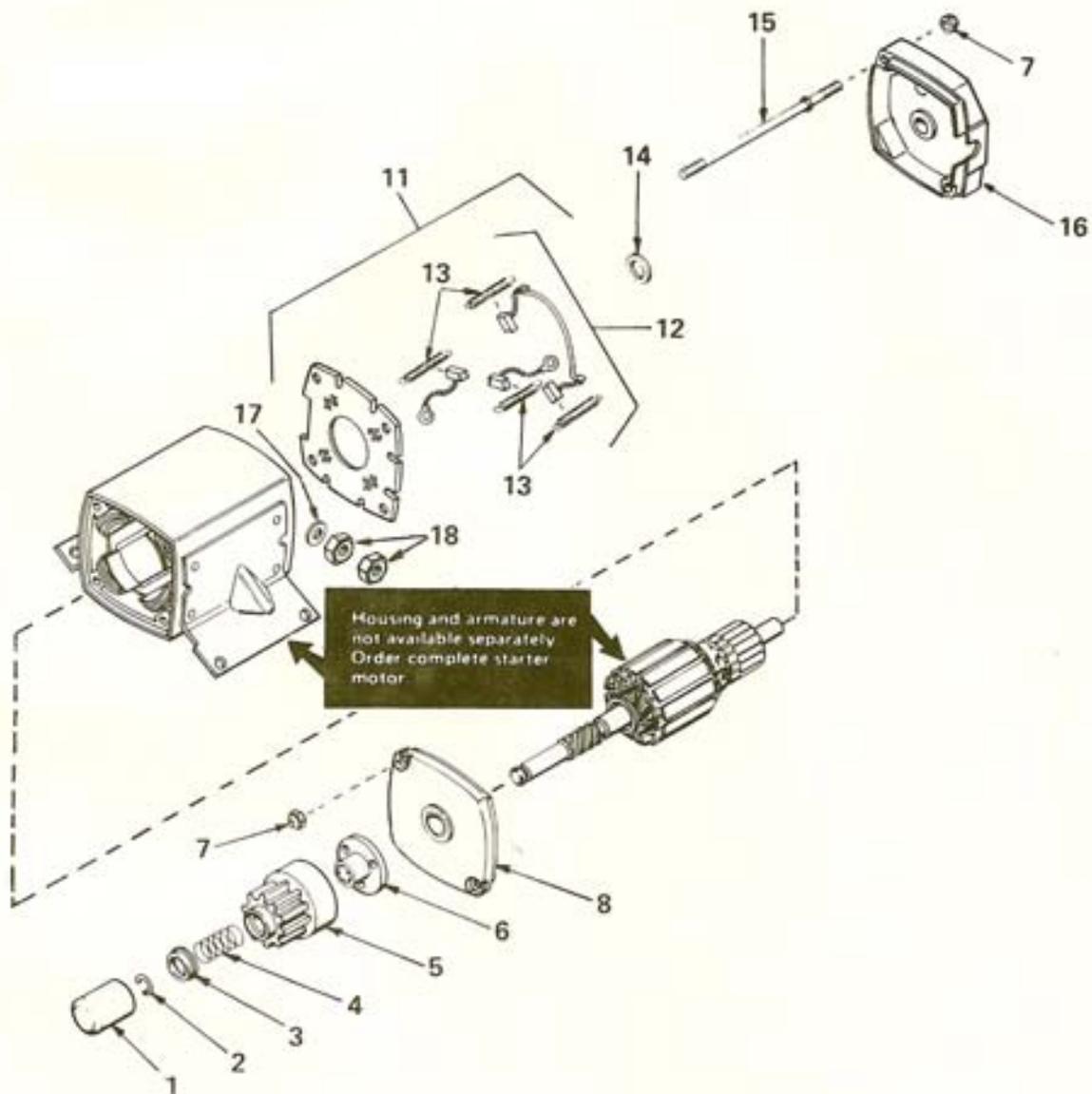
KEY NO.	PART NO.	DESCRIPTION
1	STD581075	*E-Ring
2	1528P	Washer 13/16 x 1 - 1/4 x 14 Ga.
3	1309H	Bearing
4	634A521	Front Axle w/Bearings (Inc. Key No. 3)
5	3294P	Hex Bolt 5/8 - 11 x 5 Gr. 5
6	634A277	Spindle Complete R.H.
7	9040H	Flanged Bearing
8	7810H	Gripco Locknut 3/8 - 24 UNF
9	2515R	Hardened Washer
10	7838R	Tie Rod and Joints (Inc. Key No's. 15, 16, 17, 18 & 19)
11	6855M	Grease Fitting
12	STD551025	*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	STD551075	*Washer 49/64 x 1 - 1/4 x 16 Ga.
22	6842M	Grease Fitting
23	7837R	Drag Link and Joints

KEY NO.	PART NO.	DESCRIPTION
24	634A98	Steering Bell Crank Weldment
25	2795R	Front Tire - Tubeless 16 x 5.50-8
26	6856M	Grease Fitting 1/4 - 28 Taper Thrd.
27	795R	Tire Valve
28	2891R	Front Wheel (Inc. 2 ea. Key No. 7)
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	STD541137	*Hex Nut 3/8 - 24 UNF

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

STARTER MOTOR NO. 33835

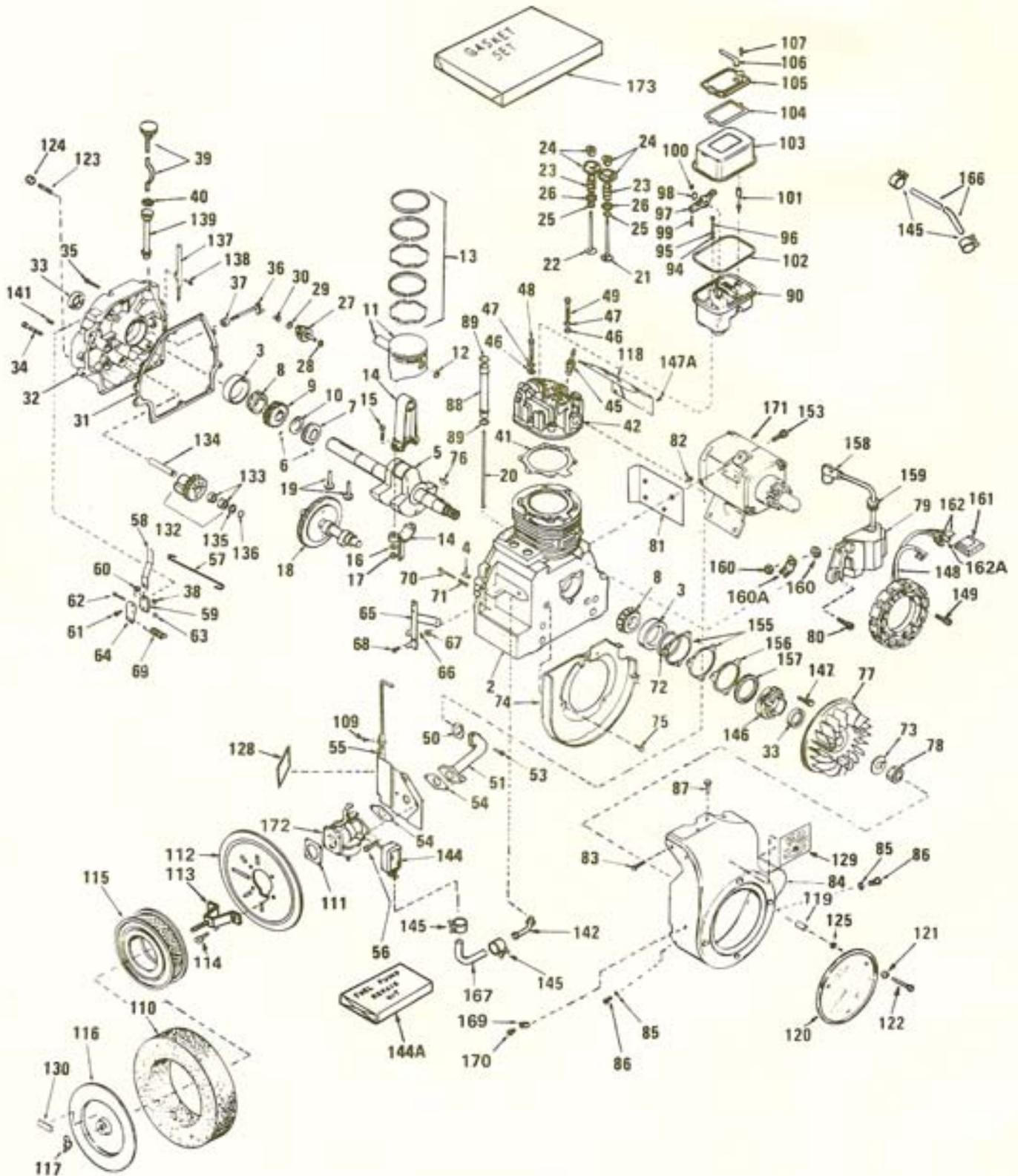


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
	33835	Starter Motor, Complete	12	33849	Brush & Spring Kit (Incl. 4 pcs. of No. 13)
1	33841	Cover, Dust	13	33850	Spring, Brush
2	33842	Ring, Retainer	14	590500	Washer, Thrust
3	33843	Retainer, Spring	15	33851	Bolt, 10-32 x 5-1/4
4	33854	Spring, Anti-drift	16	33852	Cap Assy., Commutator end
5	33844	Gear	17	650168	Washer, Flat
6	33433	Nut, Engaging	18	650723	Nut, Hex
7	33450	Nut, Lock			
8	33845	Cap Assy., Drive end			
11	33848	Card Assy., Brush (Incl. No. 12)			

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.670032



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# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.670032

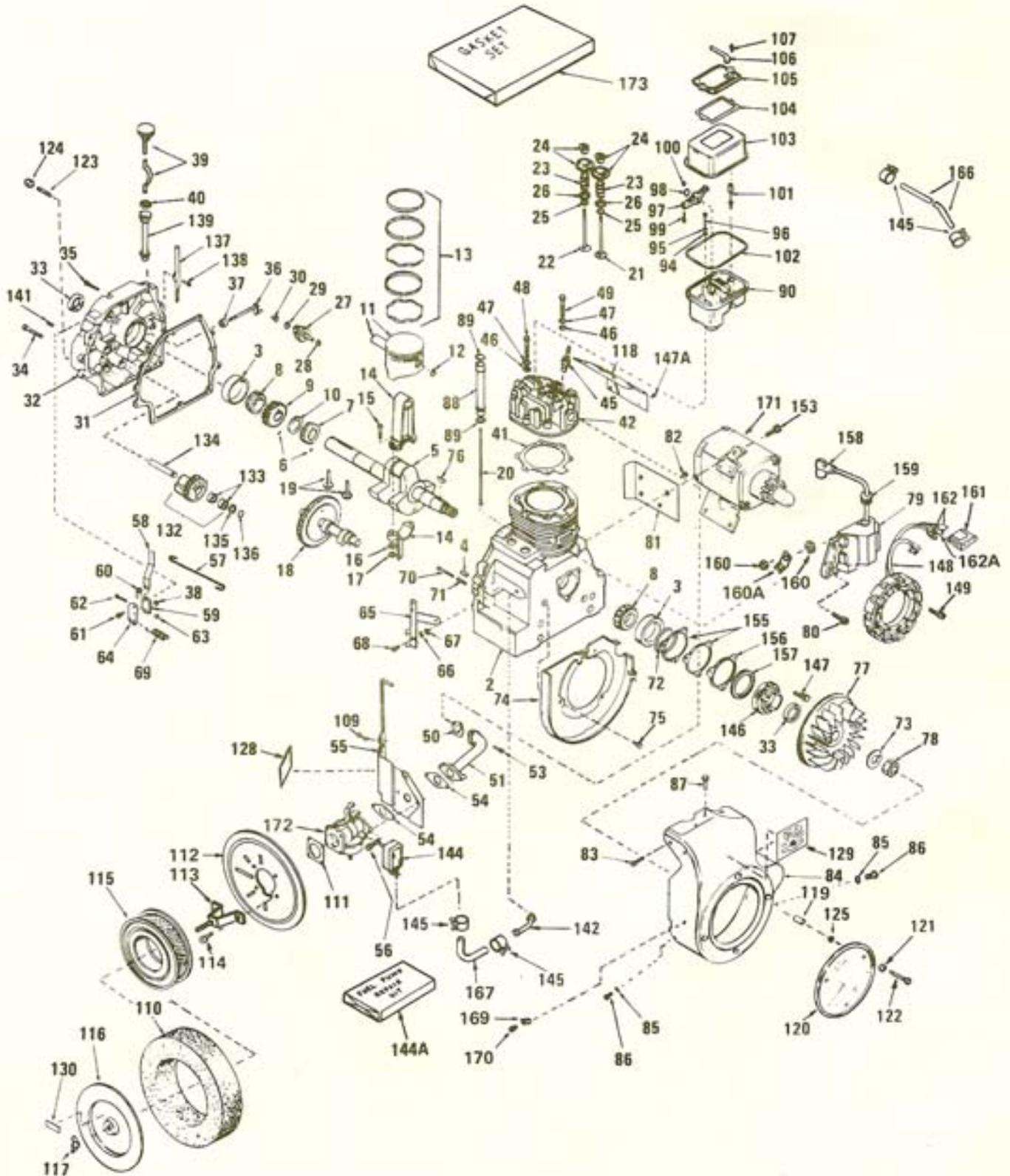
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	670032	Complete Engine	33	31950	Seal, Oil
2	33707	Cylinder Assy. (Incl. Nos. 4 & 33)	34	30564	Screw, Hex hd. cap Sems, 1/4-20 x 1
3	31928	Cup, Bearing	35	650492	Screw, Hex hd. Sems, 1/4-20 x 2-1/4
4	27652	Pin, Dowel	36	32425	Rod Assy., Governor
5	33497B	Crankshaft Assy. (Incl. Nos. 3, 6 thru 10 & 132)	37	32426	Spacer, Governor rod
6	29783	Pin, Crankshaft gear	38	29193	Ring, Retaining
7	31931	Gear, Crankshaft	39	33984A	Dipstick, Oil fill (Incl. No. 40)
8	31932	Bearing, Tapered roller	40	33590	"O" Ring
9	33963	Gear, Counterbalance weight	41	*33474	Gasket, Cylinder head
10	33499	Spacer	42	33465	Head, Cylinder
11	32238	Piston & Pin Assy. (Incl. 2 of No. 12) (Standard)	45	34046	Plug, Spark
11	32239	Piston & Pin Assy. (Incl. 2 of No. 12) (.010 oversize)	46	650690	Washer, Belleville
11	32240	Piston & Pin Assy. (Incl. 2 of No. 12) (.020 oversize)	47	650691	Washer, Flat
11	32621	Piston & Pin Assy. (Incl. 2 of No. 12) (.030 oversize)	48	650692	Screw, Hex hd. cap, 5/16-18 x 1-3/4
11	32622	Piston & Pin Assy. (Incl. 2 of No. 12) (.040 oversize)	49	650746	Screw, Hex hd. cap, 5/16-18 x 1-3/8
12	31919	Ring, Piston pin retaining	50	*33515	Gasket, Intake pipe
13	32241	Ring Set, Piston (Standard)	51	33475	Pipe, Intake
13	32242	Ring Set, Piston (.010 oversize)	53	650512	Screw, Hex hd. Sems, 5/16-18 x 7/8
13	32243	Ring Set, Piston (.020 oversize)	54	*33476	Gasket, Carburetor
13	32625	Ring Set, Piston (.030 oversize)	55	33477A	Baffle, Air extension
13	32626	Ring Set, Piston (.040 oversize)	56	650378	Screw, Fil. hd. Sems, 5/16-18 x 1-1/8
14	33093A	Rod Assy., Connecting (Incl. Nos. 15, 16 & 17)	57	33478	Link, Governor
15	32077	Bolt, Connecting rod	58	31963	Lever, Governor adjusting
16	26073	Washer, Connecting rod	59	31964	Clamp, Governor lever
17	28264	Nut, Lock	60	650518	Lockwasher, No. E.T.
18	33470	Camshaft (Mech. Compression Release)	61	30312	Screw, Hex slotted washer hd., 10-32 x 1/2
19	33472	Lifter, Valve	62	650544	Screw, Pan flex hd., 10-24 x 7/8
20	33471	Rod, Push	63	7975	Nut, Square, 10-24
21	33505	Valve, Intake (Standard)	64	31965	Plate, Governor spring
21	33645	Valve, Intake (1/32" oversize)	65	31984A	Lever Assy., Control
22	33506	Valve, Exhaust (Standard)	66	28558	Washer, Wave
22	33646	Valve, Exhaust (1/32" oversize)	67	31966	Bushing, Lever
23	33507	Spring, Valve	68	650597	Screw, Hex washer hd. mach., 10-24 x 5/8
24	33508	Retainer & Cap Set, Keeper valve	69	31967	Spring, Governor
25	33509	"O" Ring	70	650591	Screw, Fil. Slotted hd. mach., 10-24 x 2
26	33510	Cap, Valve	71	33099	Spring, Locking
27	33473	Gear & Shaft Assy., Governor	72	*32599	"O" Ring
28	650745	Washer, Flat	73	650666	Washer, Lock
29	30590A	Washer, Flat	74	32579	Baffle, Blower housing
30	31948	Spool, Governor	75	650561	Screw, Phil. hex hd. Sems, 1/4-20 x 5/8
31	*31956	Gasket, Cylinder cover	76	650592	Key, Flywheel
32	34002	Cover Assy., Cylinder (Incl. Nos. 33 & 134)	77	610909	Flywheel
			78	650594	Nut, Flywheel
			79	610906	Magneto, Solid state (Incl. Nos. 158 thru 160A)

\*Indicates Parts Included in Gasket Set, Ref. No. 173.

# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.670032



# REPAIR PARTS

16/6 GARDEN TRACTOR--MODEL NUMBER 917.25170

CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.670032

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
80	650661	Screw, Phil. fil. hd. w/conical spring lockwasher, 1/4-20 x 3/4	136	792017	Ring, Retaining
81	33479	Extension, Blower housing	137	33467	Tube Extension, Oil fill
82	30688	Screw, Hex hd. cap, 1/4-20 x 1/2	138	650744	Screw, Phil. hd. Sems, int. tooth, 10-24 x 7/8
83	650751	Screw, Phil. hex hd. w/conical washer, 1/4-20 x 7/16	139	33893A	Tube Assy., Oil filler
84	33775	Housing, Blower	141	28534	Plug
85	8274	Lockwasher, Split, 5/16	142	32958	Fitting, Fuel pump
86	650595	Screw, Hex hd. cap, 5/16-24 x 3/8	144	32959	Pump, Impulse fuel
87	650752	Screw, Phil. hex hd. Sems, 1/4-20 x 7/16	144A	33010	Repair Kit, Impulse fuel pump
88	33480	Tube, Push rod	145	26460	Clamp, Fuel line
89	*33481	"O" Ring	146	32577	Cover, Cylinder (See Note 1)
90	33482	Housing, Rocker arm	147	650512	Screw, Hex hd. Sems, 5/16-18 x 7/8
94	*33484	"O" Ring	147A	650736	Screw, Phil. pan hd., 10-16 x 3/8
95	650168	Washer, Flat	148	610902	Coil Assy., Alternator (Incl. Nos. 161, 162 & 162A)
96	32610A	Screw, Flanged hex hd., 1/4-20 x 29/32	149	650521	Screw, Phil. fil. hd., Sems, 10-32 x 1-1/8
97	33485	Arm, Rocker	153	650781	Screw, Hex hd. cap, Sems, 5/16-18 x 11/16
98	33486	Ring, Retaining	155	*31971	Gasket, Shim (.004/.005 thick, see note 1)
99	650755	Screw, Adjusting	156	*31972	Gasket, Shim (.005/.007 thick, see note 1)
100	650456	Nut, Hex	157	32031	Spacer, Steel (.010 thick, see note 1)
101	650756	Stud, Rocker arm cover	158	610118	Cover, Spark plug
102	*33487	"O" Ring	159	610750	Grommet, Lead wire
103	33488	Cover, Rocker arm	160	610408	Nut, Hex, 8-32
104	*31958	Gasket, Breather	160A	610908	Terminal
105	33489	Body Assy., Breather	161	610903	Connector, Flat
106	33490	Tube, Breather	162	610905	Terminal
107	30102	Screw, Slotted hex hd. Sems, 10-32 x 5/8	162A	610904	Terminal
109	650738	Screw, Phil. hex spinlock hd. thr'd cutting, 1/4-20 x 5/8	166	30962	Line, Fuel
110	32906	Filter, Pre-air	167	29774	Line, Fuel
111	*33492	Gasket, Air cleaner	169	27793	Clip, Conduit
112	33777	Bracket, Air cleaner	170	28942	Screw, Hex slotted hd. Sems, 10-32 x 3/8
113	33778	Bracket, Air cleaner	171	33835	Motor, Starter (12 Volt) (Incl. No. 153)
114	650399	Screw, Phil. fil. hd. Sems, 10-32 x 5/8	172	631940	Carburetor (Incl. No. 54)
115	32008	Element, Air cleaner	173	33516	Gasket Set (Incl. items marked *)
116	32904	Cover, Air cleaner			
117	650513	Nut, Wing			
118	33495	Cover, Cylinder head			
119	32426	Spacer, Screen			
120	33776	Screen, Starter pulley			
121	27070	Washer, Lock			
122	650670	Screw, Truss hd. mach., 1/4-20 x 3/4			
123	32438	Nipple, Pipe (Oil drain)			
124	32154	Cap, Nipple			
125	650675	Washer, Flat			
128	30592	Decal, Name & Instruction			
129	32730	Decal, Solid state			
130	32954	Decal, Air cleaner			
132	33965	Weight Assy., Counterbalance (Incl. 2 of No. 133)			
133	33501	Bearing, Needle roller			
134	33502	Shaft, Counterbalance			
135	33503	Washer, Thrust			

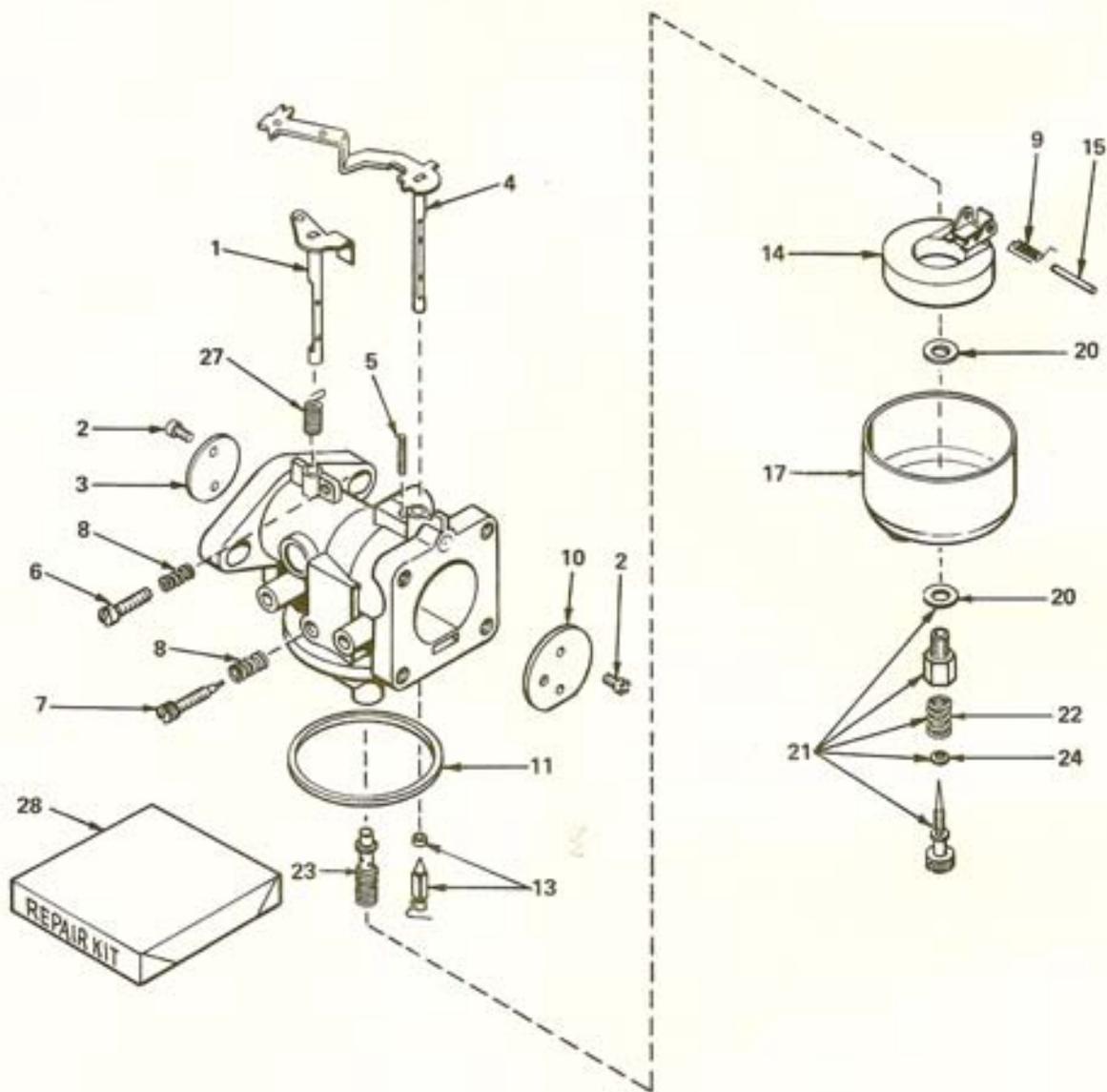
\*Indicates Parts Included in Gasket Set, Ref. No. 173.

Note 1: Determine the gap between the cover and the machined surface on the cylinder, which can be from .001" up to .007", in which case no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacers must be used as required to eliminate crankshaft end play.

# REPAIR PARTS

16/6 GARDEN TRACTOR—MODEL NUMBER 917.25170

CARBURETOR NO. 631940



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
	631940	Carburetor	14	27105	Float
1	631681	Shaft & Lever Assy., Throttle	15	*27106	Shaft, Float
2	30357	Screw, Rd. hd., 6-32 x 3/16	17	29170	Bowl, Fuel
3	631682	Shutter, Throttle	20	*27110	Gasket, Bowl-to-body
4	631683	Shaft & Lever Assy., Choke	21	*631764	Needle Assy., Power adjusting (Incl. Nos. 20, 22 & 24)
5	27113	Spring, Choke stop	22	630786	Spring, Adjusting needle
6	630605	Screw, Throttle adjusting	23	631942	Nozzle, Main
7	*27112	Needle, Idle adjusting	24	27544	"O" Ring
8	27114	Spring, Adjusting	27	32096	Spring, Throttle return
9	31503	Spring, Float shaft	28	631765	Repair Kit (Incl. items marked*)
10	631684	Shutter, Choke			
11	*27109	Gasket, Bowl-to-body			
13	*631687	Valve, Seat & Spring Assy. (Incl. No. 9)			



# Sears

**MODEL NO.  
917.25170**

## 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 for your Garden Tractor.

### 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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Sears, Roebuck and Co., Chicago, Ill. 60684, U.S.A.  
and Simpsons Sears Limited, Toronto, Canada