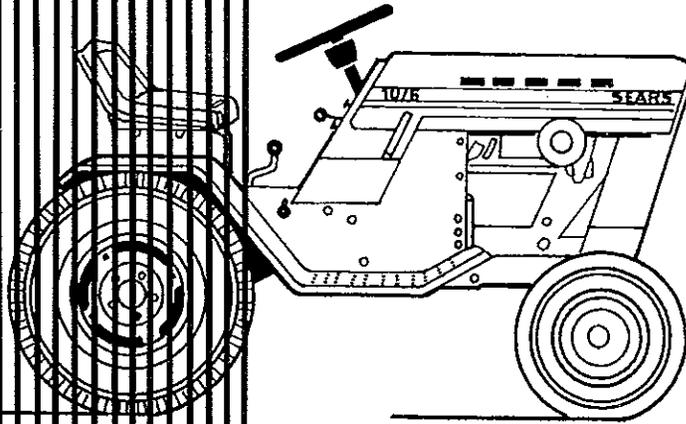


Sears

**MODEL NO.
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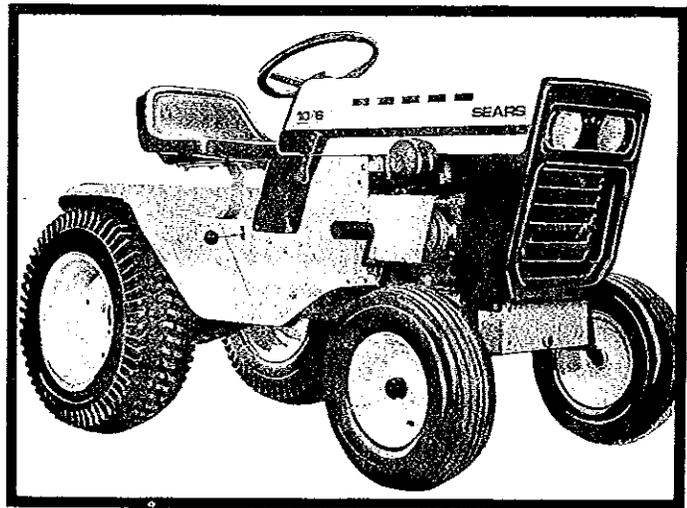


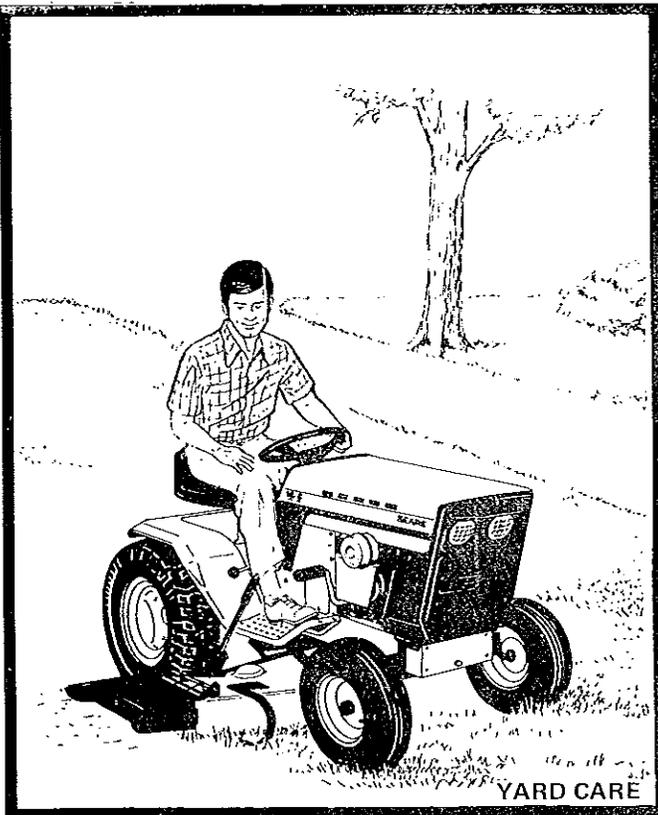
OWNER'S MANUAL

**10/6
GARDEN TRACTOR**

**Assembly
Maintenance**

**Operation
Repair Parts**





CONGRATULATIONS on your purchase of a Sears 10/6 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 10/6 GARDEN TRACTOR FEATURES . . .

CRAFTSMAN 10 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 Pedal is in "OUT" 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, Parking Brake Lever and Power Assist Lift Switch--conveniently grouped for ease of use.

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

MANUAL OR POWER ASSIST LIFT.

42 INCH MOWER with three "high-lift" blades to stand 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.

46 INCH DOZER BLADE levels or moves dirt and gravel or removes snow.

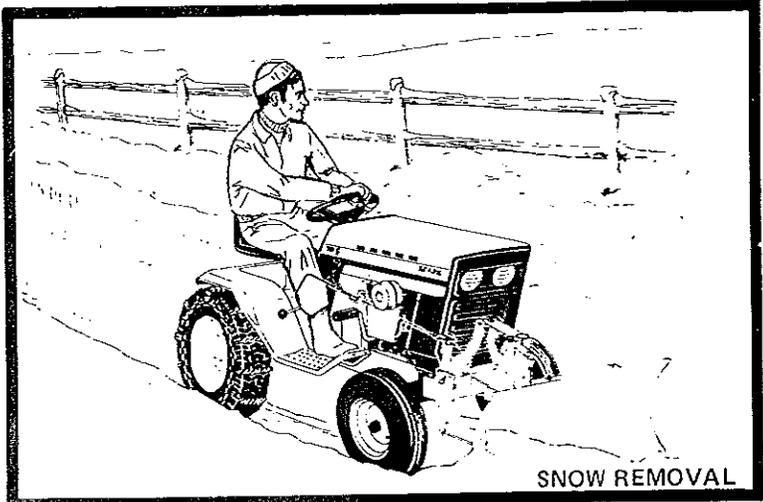
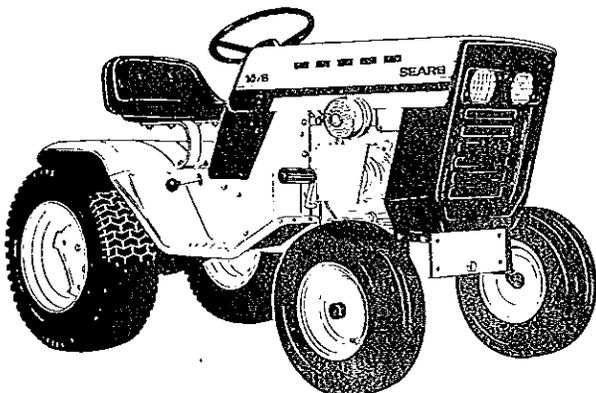
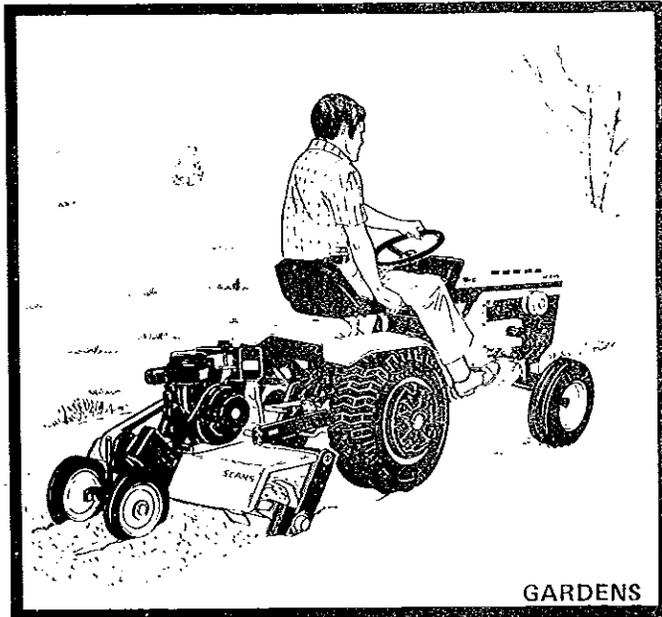


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FULL ONE YEAR WARRANTY ON ELECTRIC START GARDEN TRACTOR

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 the 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 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.

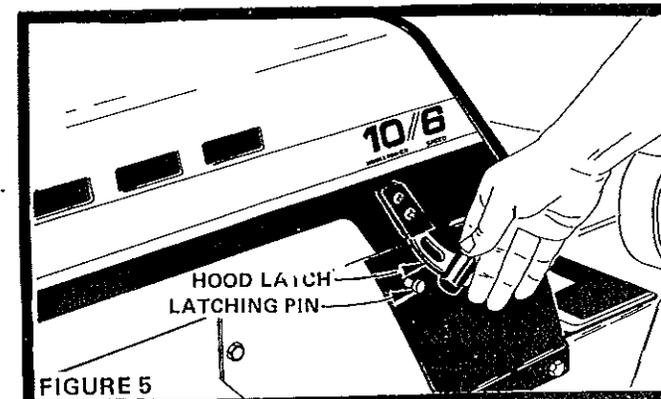
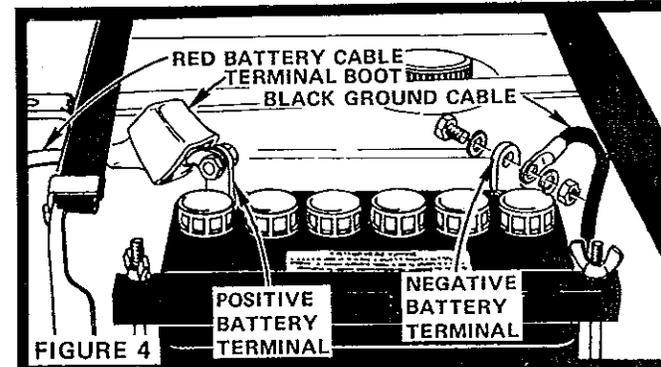
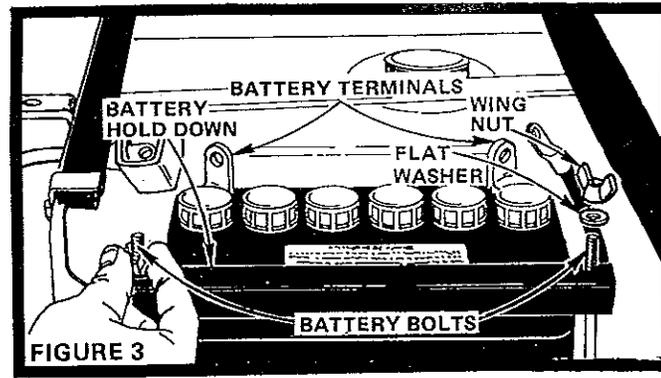
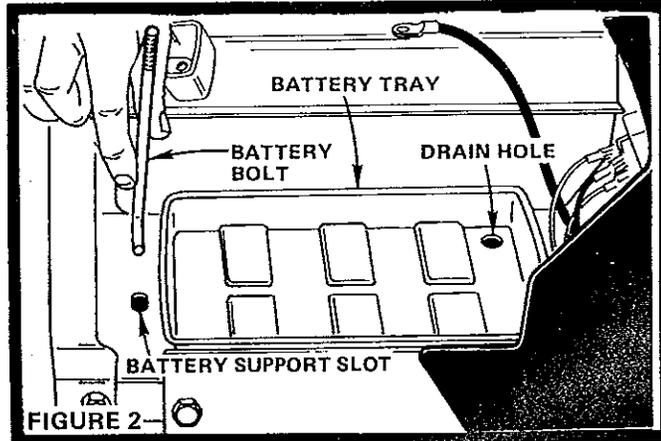
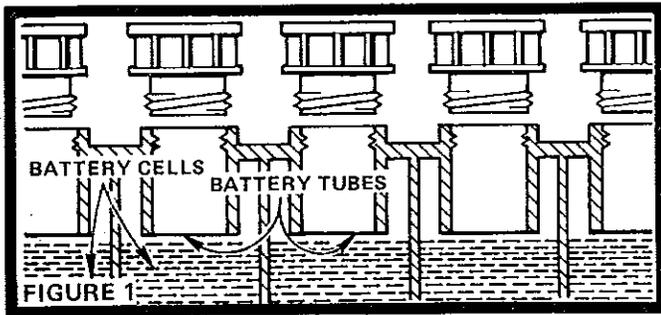
Sears, Roebuck and Co.
Sears Tower
BSC 41-3
Chicago, IL 60684

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, locking 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 attachment owner's manuals.
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 container.
 - 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 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 bag for safety protection.



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



To assemble your Tractor you will need:
 one 1/2", one 5/8", two 7/16" and one 9/16" 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 ON TRACTOR):



WEAR EYE AND FACE SHIELD.

- a. Mix electrolyte. NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
- b. 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.

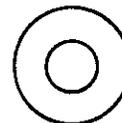
- c. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten caps securely.
- d. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

- e. 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.

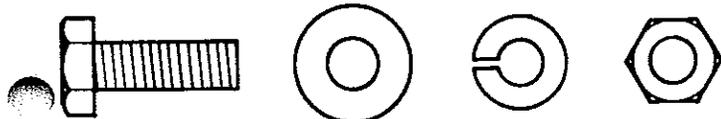
3. Installing Battery using: two Flat Washers, two Wing Nuts (shown full size below) and



two Battery Bolts and Battery Hold Down found in Bag of Parts.

- a. Remove tape from plastic Battery Tray and move it slightly to the rear to hook one Battery Bolt into slot in the front of the Battery Support (Fig. 2). Return Battery Tray to original position (drain hole to rear).
- b. Place Battery in Battery Tray (Battery Terminals to inside) (Fig. 3).
- c. Fasten Battery to installed Battery Bolt with the Battery Hold Down, Washer and Wing Nut (Fig. 3).
- d. Hook remaining Battery Bolt to rear of Battery Support and fasten Battery Hold Down to it with remaining Flat Washer, and Wing Nut. Tighten Wing Nuts securely (Fig. 3).

4. Connecting Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.



- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely. Place Boot over Terminal.

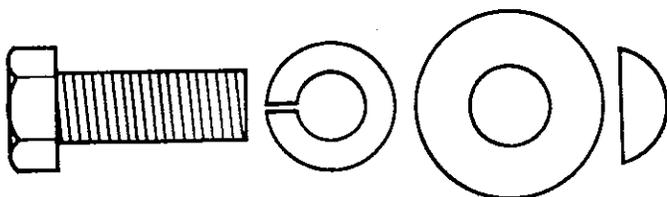


POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.

- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher, and Hex Nut (Fig. 4). Tighten securely.

5. Close Hood securely by stretching Hood Latches over Latching Pins (Fig. 5).

6. Installing Steering Wheel using: Hex Bolt, Lockwasher, Flat Washer and Woodruff Key (shown full size below) and Steering Wheel Cap found in Bag of Parts.



- a. 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.
- b. Fasten with Flat Washer, Lockwasher and Hex Bolt (Fig. 6). Tighten securely.
- c. Insert Steering Wheel Cap in place.

INITIAL ADJUSTMENTS

1. Reduce Tire pressure to 12 pounds in front and rear Tires. (Tires were overinflated for shipping purposes).
2. Seat position should be adjusted forward or backward so that operator can comfortably reach foot pedals.
- For maximum adjustment remove Seat Bolts, position Seat with forward or rearward set of holes, and tighten Bolts (Fig. 7).
 - For fine adjustment loosen Chassis Bolts, slide Seat to desired position, and tighten Bolts securely (Fig. 7).
3. A spark arrester 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.

1. Check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 8) clean, screw 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.
2. Fill Fuel Tank (Fig. 8) with fresh regular grade lead-free or leaded gasoline. Capacity is 7 quarts. 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.

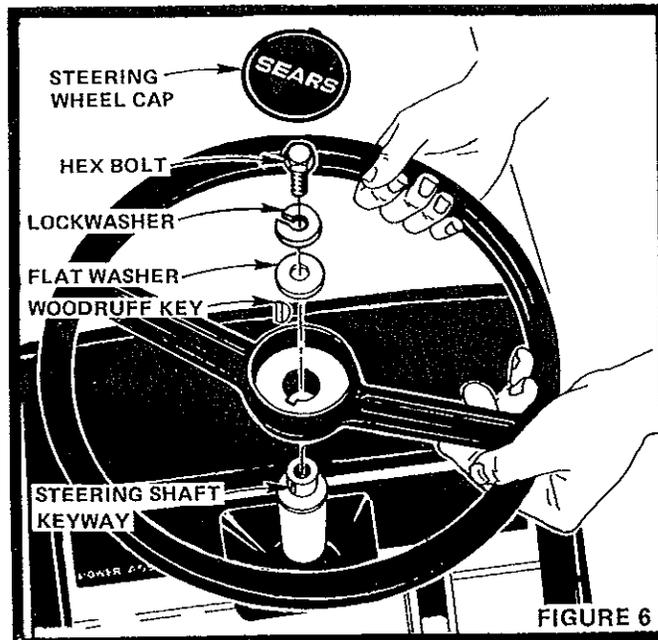


FIGURE 6

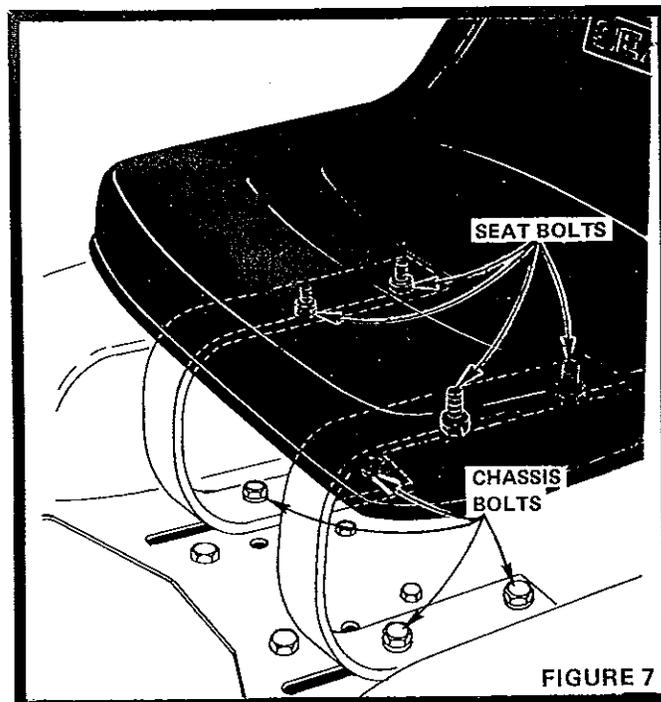


FIGURE 7

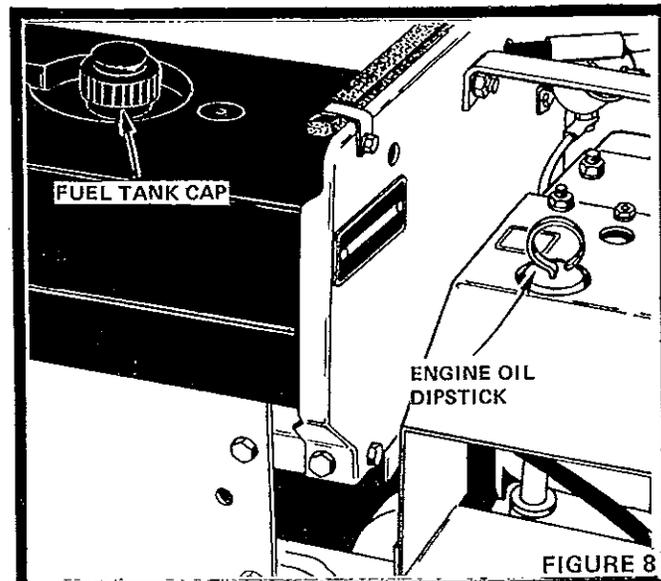


FIGURE 8

OPERATION



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

STARTING THE ENGINE

1. Place Attachment Clutch Pedal in "OUT" position (Fig. 9).
2. Push Clutch-Brake Pedal fully into brake position (Fig. 10).
3. Place Gear Shift Lever in "NEUTRAL", start position (Fig. 11).
4. Pull Choke out (Fig. 12).
5. Move Throttle Control Lever to middle position (Fig. 12).
6. Turn Ignition Key to "START" position until Engine starts (Fig. 12). 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 "F" fast position, wait a few minutes, and try again.



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

NOTE: The Power Assist Lift Switch (Fig. 12) raises or lowers rear mounted attachments when used with an Electric Three Point Hitch (optional equipment).

WARMING UP THE ENGINE

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

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

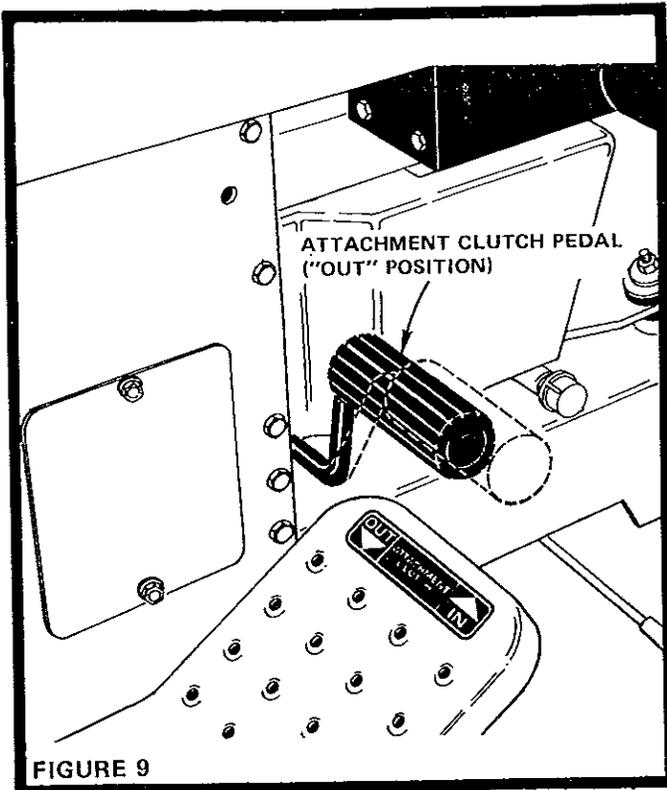


FIGURE 9

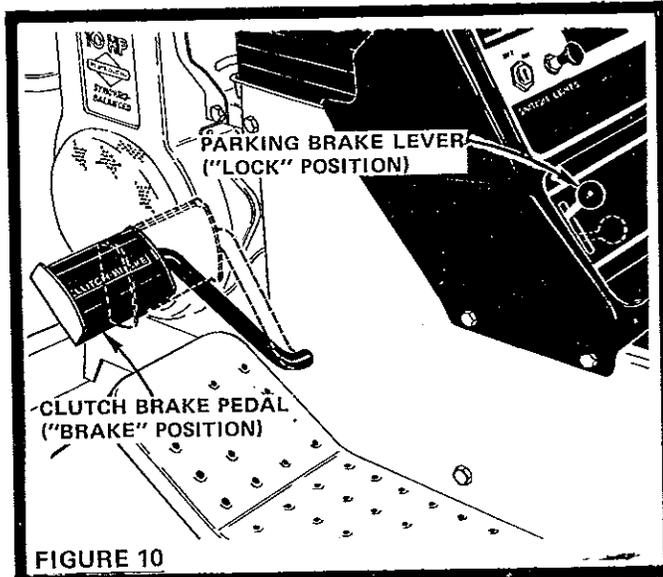


FIGURE 10

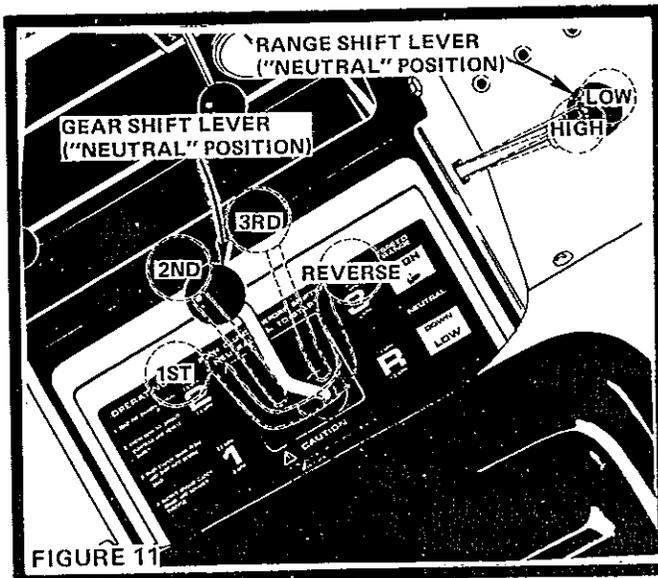


FIGURE 11

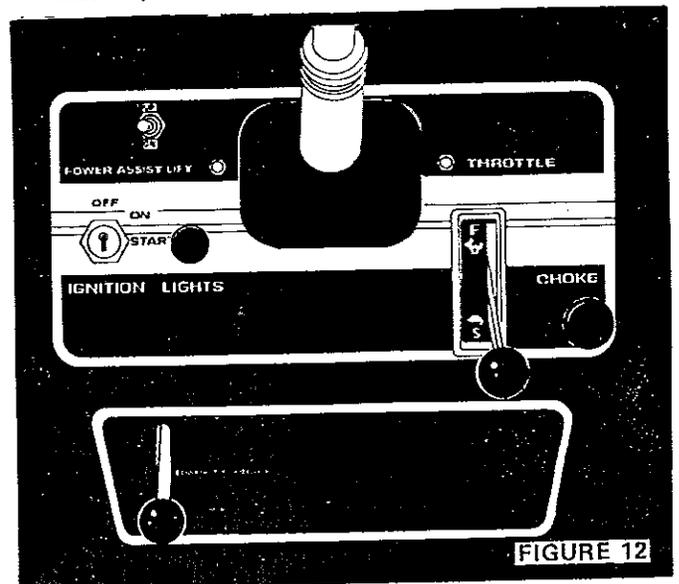


FIGURE 12

TRACTOR OPERATION

1. With engine running and warm, place Throttle Control Lever in middle position.
2. Push Clutch-Brake Pedal down firmly to unlock Parking Brake and hold it in Brake position (Fig. 10).
3. Move Gear Shift Lever to "2ND" and Range Shift Lever to "LOW" (Fig. 11).
4. Release Clutch-Brake Pedal SLOWLY to start forward movement.
5. If ground travel is too slow move Throttle Lever to fast position or press Clutch-Brake Pedal to stop 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. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "LOCK" position.



CLUTCH-BRAKE PEDAL SHOULD REMAIN COMPLETELY DEPRESSED WHEN FOOT PRESSURE IS RELEASED.

4. Place Attachment Clutch Pedal in "OUT" position and lower attachment to the ground.
5. Move Throttle Control Lever to "S", slow position.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.



MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.

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 STOPPING OR SHIFTING ON HILLS.

a. If slowing is necessary, move Throttle Control to slower position.



LEAVE ENOUGH ROOM WHEN STOPPING AND STARTING TO ALLOW SLIGHT TRACTOR ROLL DOWNHILL AS CLUTCH-BRAKE PEDAL MOVES THROUGH CLUTCH POSITION.

- b. If stopping is absolutely necessary, push Clutch-Brake Pedal quickly to brake position and lock Parking Brake.
- c. To restart your tractor, make sure tractor is in the lowest speed range and that you have allowed room to roll slightly downhill. Unlock Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement.

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 GASES. KEEP SPARKS, FLAME, AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION 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 fully charged 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 of tractor.
 - b. Negative terminal of fully charged battery.
 - c. Positive terminals.



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

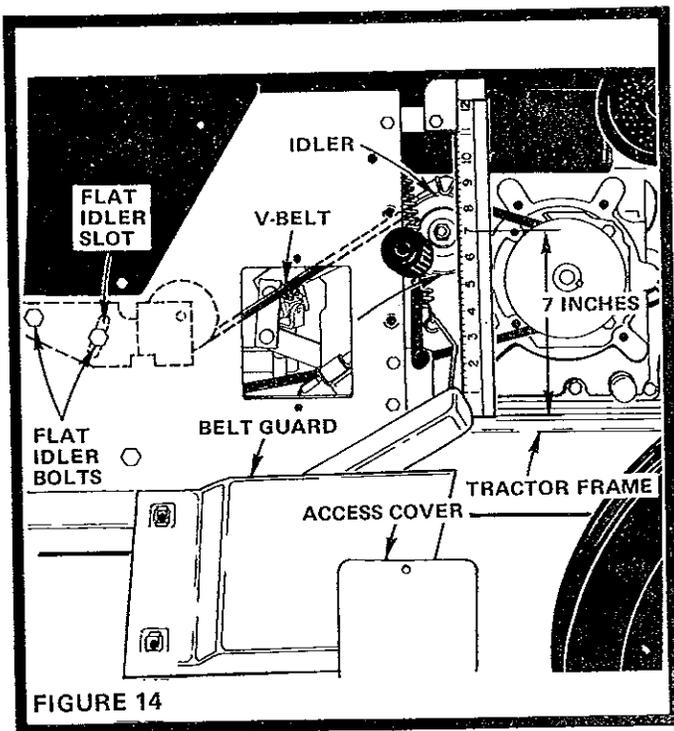


FIGURE 14

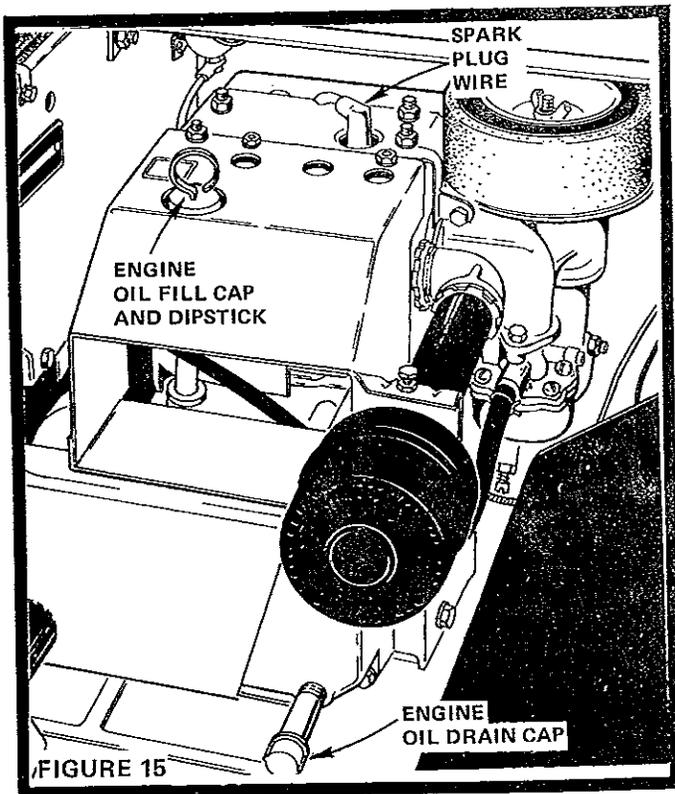


FIGURE 15

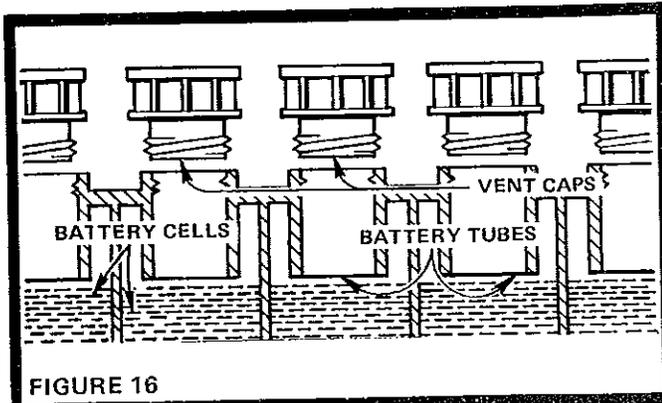


FIGURE 16

MAINTENANCE

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



DISCONNECT SPARK PLUG WIRE (FIG. 15) 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.

- Remove Belt Guard and Access Cover (Fig. 14).
- Measure the distance between the center of the Idler and Tractor Frame. The recommended measurement is 7". If this measurement has reached 7 - 1/2" V-Belt must be retensioned.
- Place Clutch-Brake Pedal into V-Belt adjusting position by partially depressing Clutch-Brake Pedal while holding Parking Brake Lever in "LOCK" position. Release Clutch-Brake Pedal (which will return to near drive position).
- Loosen Flat Idler Bolts, reach into access hole, pull Flat Idler down until V-Belt is snug and hold in this position while retightening Flat Idler Bolts.
- Recheck Idler to Tractor Frame measurement. It should be at seven (7) inches within an eighth of an inch.
- Reposition Access Cover and Belt Guard.

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. 15) and catch Oil in a suitable container. Replace Cap.
- Refill Engine Oil (Fig. 15). 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). Refill capacity is 2 - 5/8 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. 16). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- Keep Battery and Terminals clean. Refer to page 9.
- 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. 17) must be kept free of dirt and chaff to prevent Engine damage from overheating.

4. CHECK BRAKE OPERATION



IF TRACTOR REQUIRES MORE THAN SIX FEET STOPPING DISTANCE IN HIGHEST GEAR, THEN BRAKE MUST BE ADJUSTED.

- Use Parking Brake Lever to place Clutch-Brake Pedal in "LOCK" position.
- Loosen Jam Nut (Fig. 18) to rear of Turnbuckle.
- Torque Turnbuckle to 65 to 70 inch pounds. (This will also place Parking Brake into proper adjustment).
- Retighten Jam Nut.

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 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 & FRONT WHEELS

Use a Grease Gun with Extreme Pressure Lubricating Grease Amdex No. 1 (available at your local Sears Service Center) for the six Grease Fittings on the underside of your tractor. (Fig. 19).

- Grease the two wheel fittings until grease squeezes out around the hubs and then wipe hubs clean.
- Two shots will adequately grease the other four underside fittings.

3. OIL PIVOT POINTS

Place several drops of S.A.E. 30 Oil at points where parts move against each other, especially:

- Clutch-Brake Shaft.
- Attachment Clutch Shaft.
- Front Axle Pivot.

EVERY 25 HOURS:

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS).

1. CLEAN AIR FILTER & FOAM PRE-CLEANER

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

2. 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.

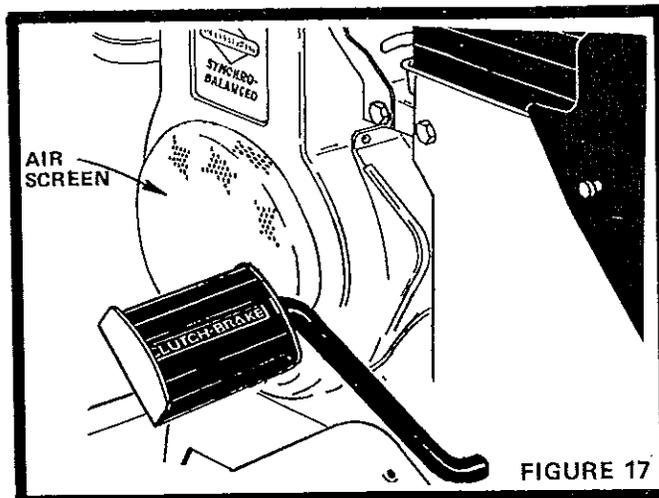


FIGURE 17

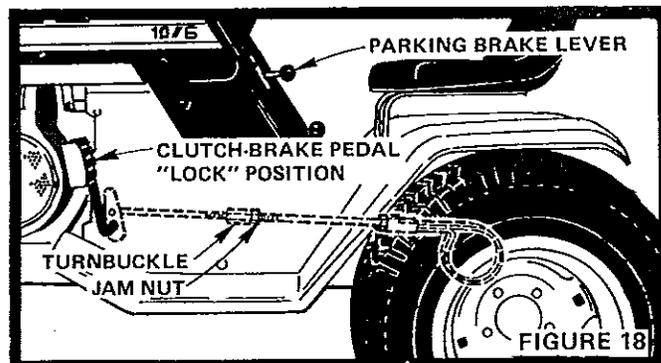


FIGURE 18

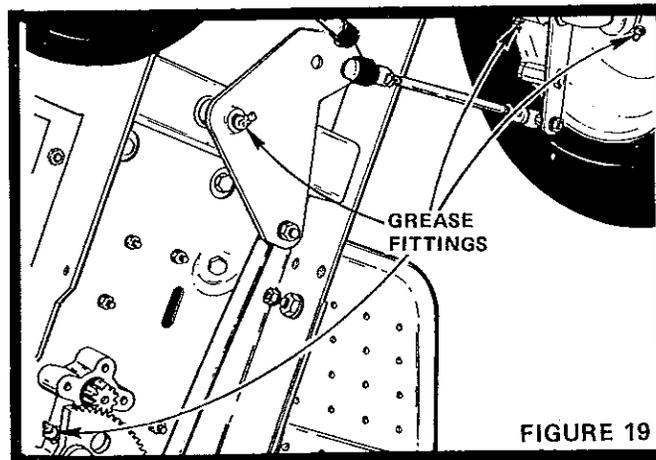


FIGURE 19

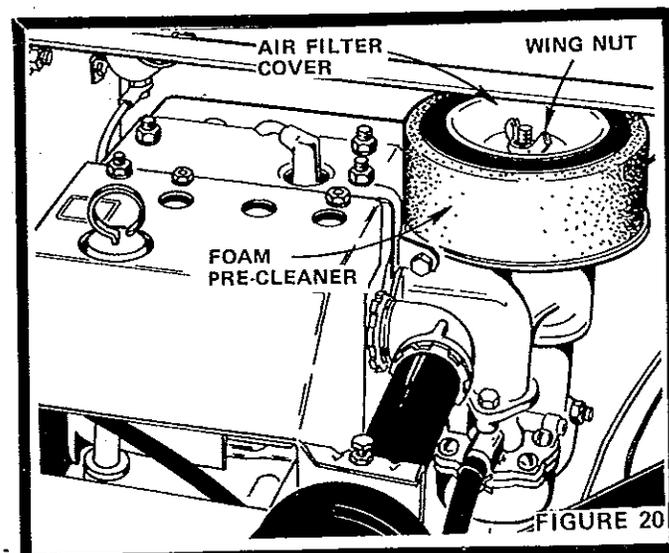
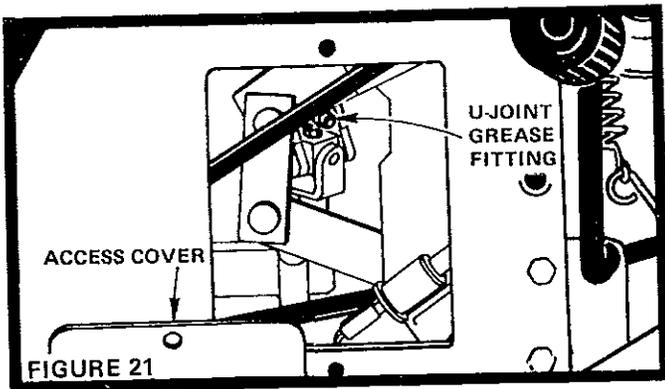


FIGURE 20



EVERY 50 HOURS:

1. LUBRICATE STEERING U-JOINT

- Remove Access Cover (Fig. 21).
- Rotate Steering Wheel so that U-Joint Grease Fitting is exposed.
- Using a Grease Gun, give Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 (available at your Sears Service Center).

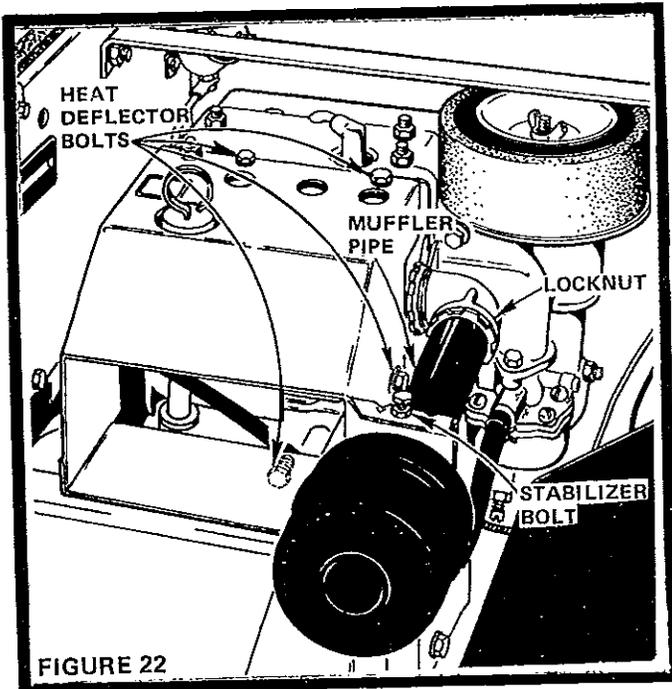
2. CLEAN ENGINE COOLING FINS

Keep Engine Cooling Fins (Fig. 23) free of dust, dirt and oil to prevent Engine damage from overheating.

- Loosen Locknut and Stabilizer Bolt to remove Muffler and Pipe (Fig. 22).
- Remove Heat Deflector top Bolts and loosen side and bottom Bolts to lift Heat Deflector from Engine (Fig. 22).
- Clean Engine Cooling Fins with a stiff bristled brush or compressed air (Fig. 23).
- Reassemble Heat Deflector and Muffler and tighten fasteners securely.

3. CHECK TRANSAXLE OIL LEVEL

- Remove Fill Plug (Fig. 24) from Transaxle Oil Fill (above L.H. rear axle). Oil level should be even with Oil Fill threads. Add S.A.E. 30 Motor Oil if necessary.
- Remove Chassis Channel Cover to check Pressure Relief Valve (above R.H. rear axle) (Fig. 24). It should spring completely closed when pulled out by hand and released.



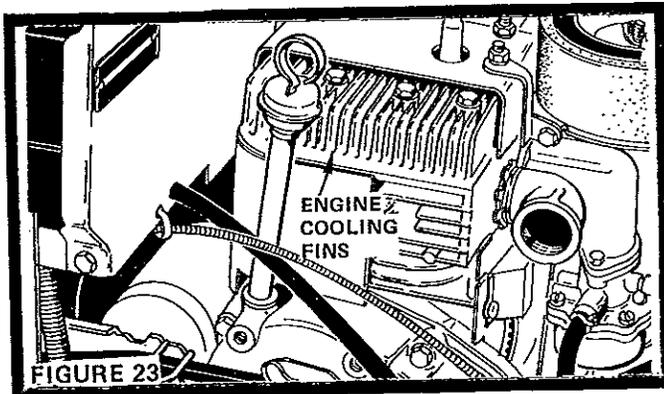
EVERY 100 HOURS:

1. CLEAN SPARK PLUG AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrode and reset gap at .030 inch. (Fig. 25). Replace Spark Plug if it shows signs of fouling or electrode erosion.

2. LUBRICATE BALL JOINTS

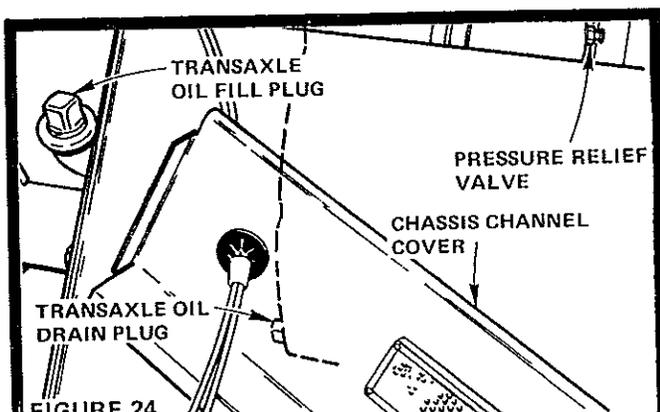
- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 26).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.



EVERY 200 HOURS:

REPLACE PAPER AIR FILTER ELEMENT

Refer to page 7.



EVERY 480 HOURS:

CHANGE TRANSAXLE OIL

- Drain Transaxle Oil by removing Drain Plug (Fig. 24) 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 (opposite of oil fill side of Transaxle) 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.

AS NEEDED:

TOE-IN ADJUSTMENT

1. If any parts in Front Axle or Tie Rods are being replaced, Tie Rod adjustment is required.
 - a. Loosen Jam Nuts (Fig. 26) at each end of Tie Rod Adjustment Sleeves.
 - b. Adjust both Tie Rods so that Tie Rod Joints measure from 10 - 1/4 to 10 - 3/8 inches from studs center to center.
 - c. Tighten Jam Nuts, making sure Tie Rod Joints are parallel (180°) to each other. This adjustment assures proper Front Wheel Toe-In and Steering Operation.

2. 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.

- a. Adjust Carburetor to suggested initial settings.
 - Turn Needle Valve clockwise, closing finger tight ONLY, and then turn counterclockwise 1 - 1/8 turn (Fig. 27).
 - Turn Idle Valve clockwise, closing finger tight ONLY, and then turn counterclockwise 1 - 1/8 turn.
- b. Start Engine and allow to warm for five minutes.
- c. Make final adjustments with Engine running and Gear Shift Lever in "NEUTRAL" position.
 - With Throttle Control in "FAST" position, turn Needle Valve counterclockwise until engine runs "rough" then turn clockwise until engine begins to miss. Turn Needle Valve to a point midway between these positions.
 - With Throttle Control in "SLOW" position, hold Throttle Lever so that Idle Speed Adjusting Screw is against Carburetor, turn Idle Valve counterclockwise until engine runs "rough" then turn clockwise until engine begins to die. Turn Idle Valve to a point midway between these positions.

NOTE: If engine hesitates when moving Throttle Control from "SLOW" to "FAST" positions, turn Idle Valve counterclockwise one-eighth turn.

3. RE-TENSION V-BELT

Occasionally it may be necessary to re-tension V-Belt. (See page 6).

4. 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.

5. TIRE CARE

- a. Maintain tire pressure in front and rear tires at 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. 28).
 - Block up front axle securely or use a Sears Tractor Jack.
 - Remove Dust Cap, E-Ring and Washer to allow wheel removal.
 - Repair tire and reassemble. Replace Washer, snap E-Ring securely in axle groove and reposition Dust Cap.
- e. Removing rear wheel for tire repair (Fig. 29).
 - 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.

6. FINISH

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

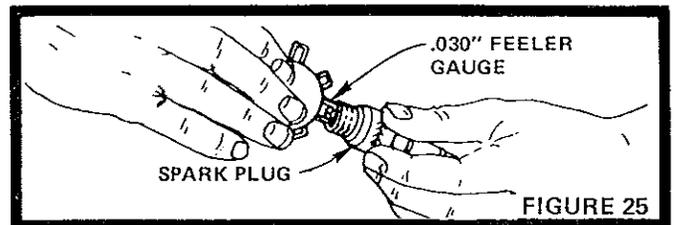


FIGURE 25

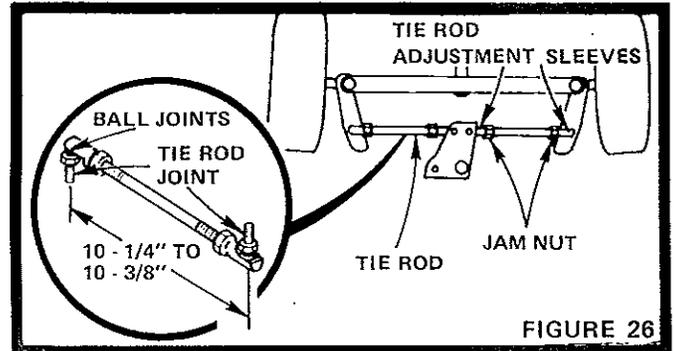


FIGURE 26

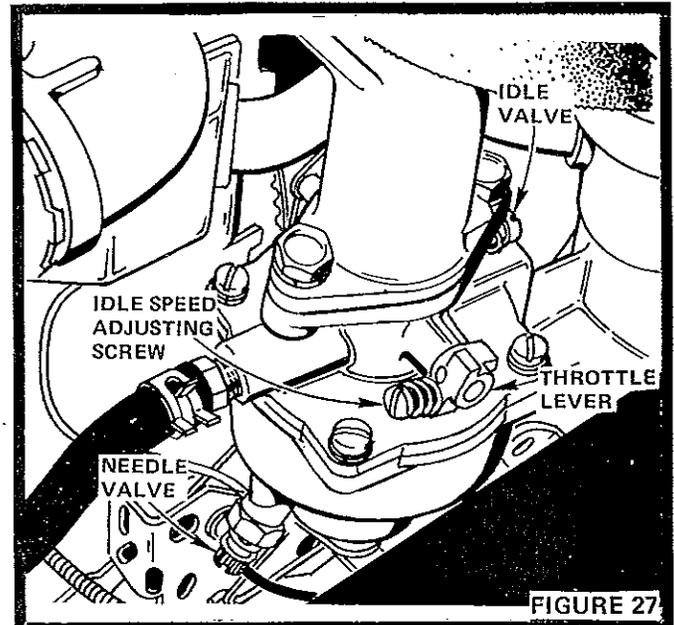


FIGURE 27

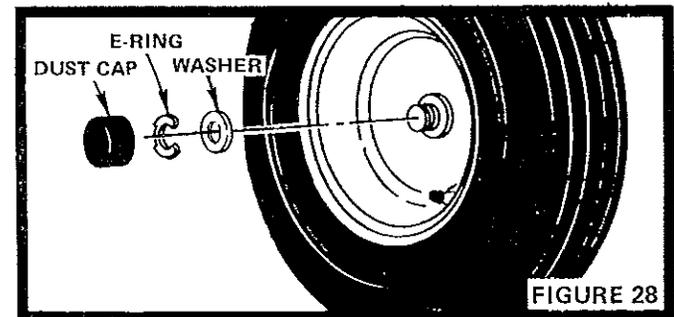


FIGURE 28

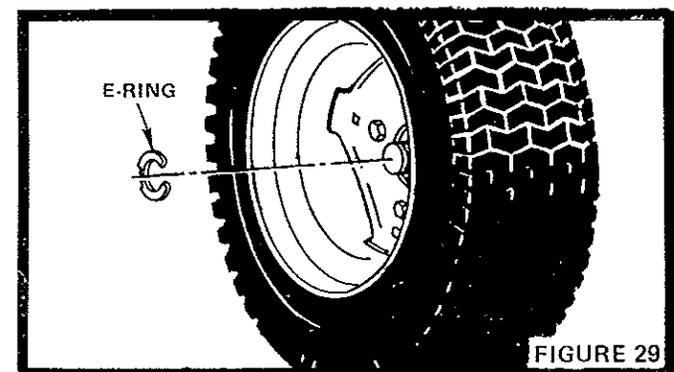


FIGURE 29

TROUBLE SHOOTING

POSSIBLE CAUSE

POSSIBLE REMEDY

WILL NOT START

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

Push Pedal into brake position
Move Pedal to "OUT" position
Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary)
Check for fault and replace Fuse
Recharge or replace Battery

HARD TO START

Choked improperly, flooded Engine

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 fast position and run starter several times to clear out gas
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 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 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 with Light Switch Knob pulled out

Check Light Fuse under dash and wire connections.
Replace Sealed Beam Headlights

WON'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.

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 Plug.
- Pour one ounce of oil through spark plug hole into cylinder.
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace Spark Plug.

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 CONCRETE 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.

SERVICE RECORD

FILL IN DATES
AS YOU COMPLETE
REGULAR SERVICE

FREQUENTLY
EVERY 5 HOURS
EVERY 25 HOURS
EVERY 50 HOURS
EVERY 100 HOURS
EVERY 200 HOURS
EVERY 480 HOURS

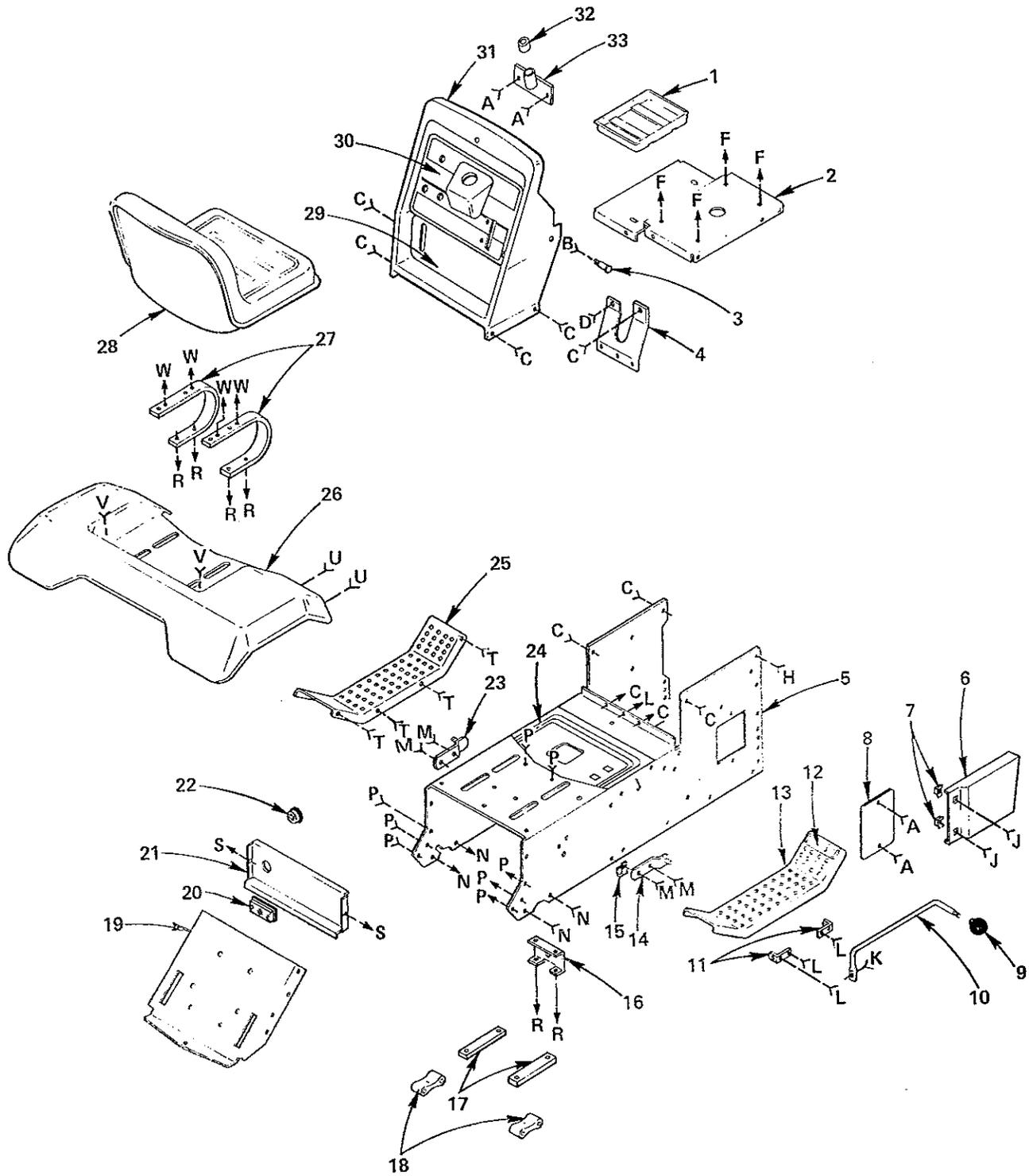
SERVICE DATES

	FREQUENTLY	EVERY 5 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 200 HOURS	EVERY 480 HOURS	SERVICE DATES																		
Check Engine Oil Level	✓																									
Change Engine Oil			✓																							
Oil Pivot Points	✓																									
Lubricate Front Wheels	✓																									
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	✓																									
Check Brake Operation	✓																									
Lubricate Steering U-Joint				✓																						
Lubricate Ball Joints					✓																					

REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

CHASSIS, FENDER & DASHBOARD



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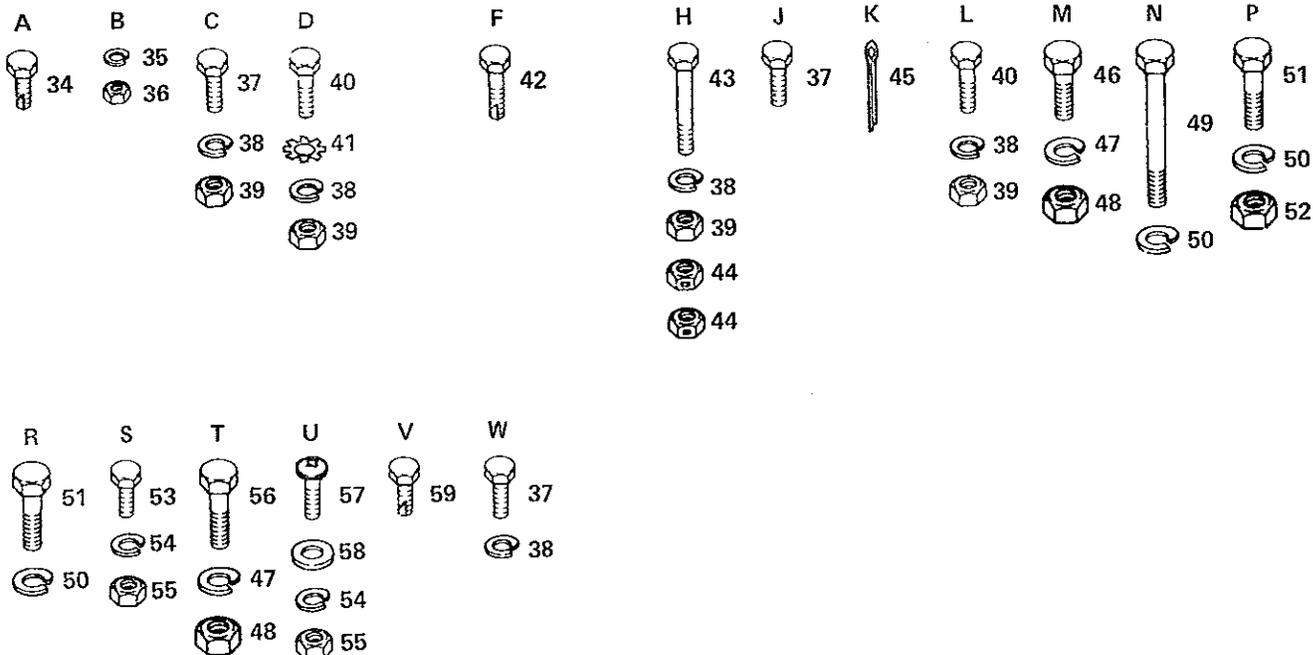
REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

CHASSIS, FENDER & DASHBOARD

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8855R	Battery Tray	34	5599P	Hex Head Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
2	8797R	Tank & Battery Support	35	STD551110	*Lockwasher No. 10
3	8753R	Hood Latch Pin	36	STD541010	*Hex Nut No. 10 - 24 UNC
4	8792R	Tank & Battery Support Brace	37	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8
5	8807R	Chassis Channel	38	STD551131	*Lockwasher 5/16
6	8791R	Engine Pulley Cover	39	STD541031	*Hex Nut 5/16 - 18 UNC
7	8915R	Nut Retainer	40	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
8	9800R	Channel Access Cover	41	STD551231	*Ext. Tooth Lockwasher 5/16
9	6364H	Control Knob	42	5503P	Hex Head Thread Cutting Screw 5/16 - 18 UNC x 3/4 Type 23
10	8756R	Range Shift Rod	43	STD523115	*Hex Bolt 5/16 - 18 UNC x 1 - 1/2
11	8819R	Range Shift Rod Bracket	44	1685H	Locknut 5/16
12	8900R	Decal - Attachment Clutch	45	STD561820	*Cotter Pin 3/16 x 1
13	8640R	Foot Rest - R.H.	46	STD523707	*Hex Bolt 3/8 - 16 UNC x 7/8
14	673A37	Suspension Arm Bracket Weldment - R.H.	47	STD551137	*Lockwasher 3/8
15	2751R	Clip - Fuel Line	48	STD541037	*Hex Nut 3/8 - 16 UNC
16	8825R	Transaxle Bracket	49	3155P	Hex Bolt 7/16 - 14 UNC x 2 - 1/4
17	8774R	Seat Spring Lock Plate	50	STD551143	*Lockwasher 7/16
18	9248R	Transaxle Spacer	51	3034P	Hex Bolt 7/16 - 14 UNC x 1
19	673A95	Drawbar Assembly	52	STD541043	*Hex Nut 7/16 - 14 UNC
20	5012R	Reflector	53	STD522505	*Hex Bolt 1/4 - 20 UNC x 1/2
21	8782R	Chassis Channel Cover	54	STD551125	*Lockwasher 1/4
22	3807R	Universal Bushing	55	STD541025	*Hex Nut 1/4 - 20 UNC
23	673A38	Suspension Arm Bracket Weldment - L.H.	56	STD523710	*Hex Bolt 3/8 - 16 UNC x 1
24	8898R	Decal Shift Pattern	57	STD512507	Phillips Truss Head Machine Screw 1/4 - 20 UNC x 3/4
25	8641R	Foot Rest - L.H.	58	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
26	8509R	Fender	59	5600P	Hex Head Thread Cutting Screw 5/16 - 18 UNC x 1/2 Type 23
27	8768R	Seat Spring	---	9553R	Warranty Decal
28	8884R	Seat	---	57J	Owners Manual
29	8896R	Decal - Lower Dashboard			
30	8895R	Decal - Upper Dashboard			
31	8508R	Dashboard			
32	9038R	Bearing			
33	673A66	Steering Bracket & Bearing (Inc. Key No. 32)			

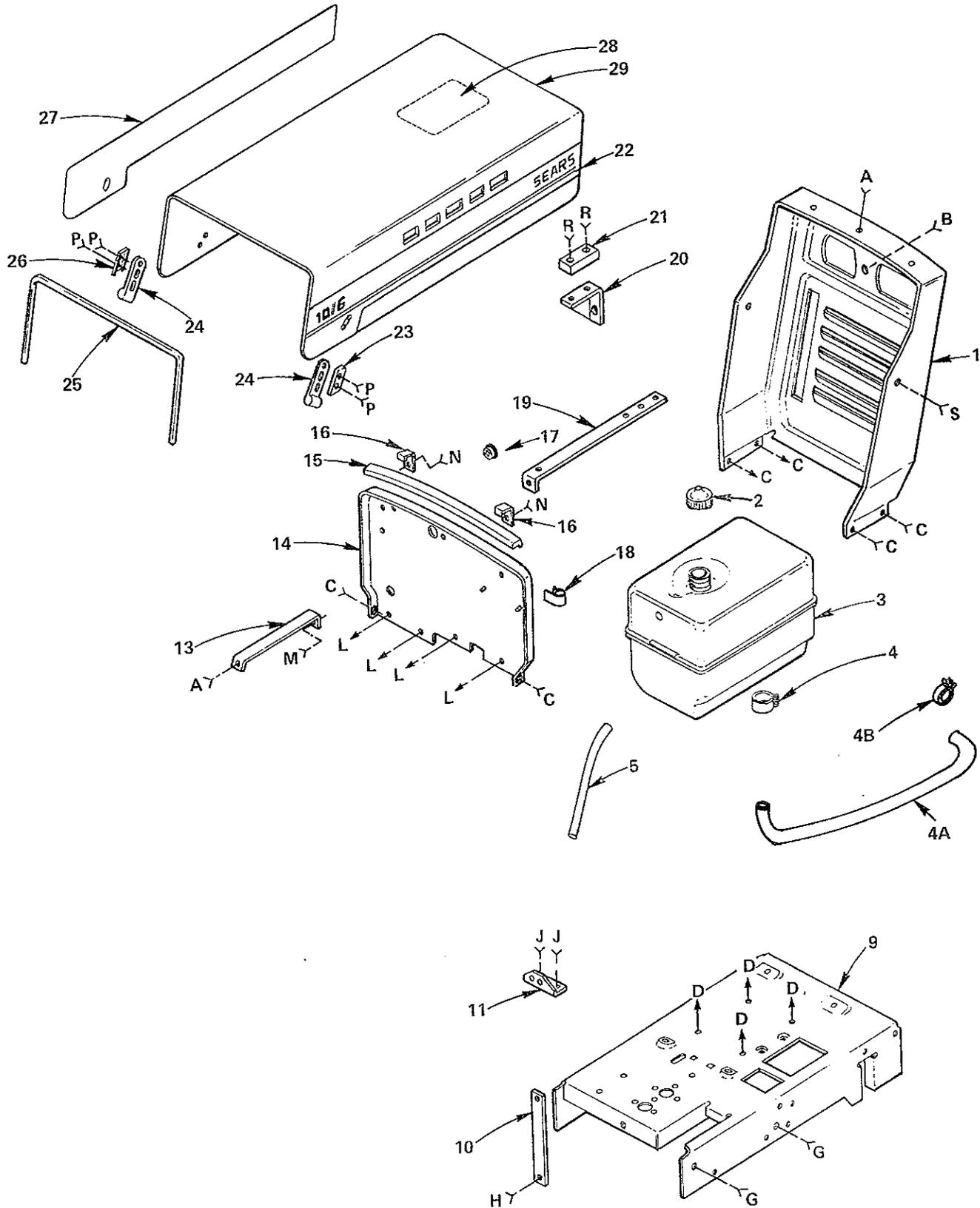
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REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

ENGINE MOUNT, HOOD & GRILL



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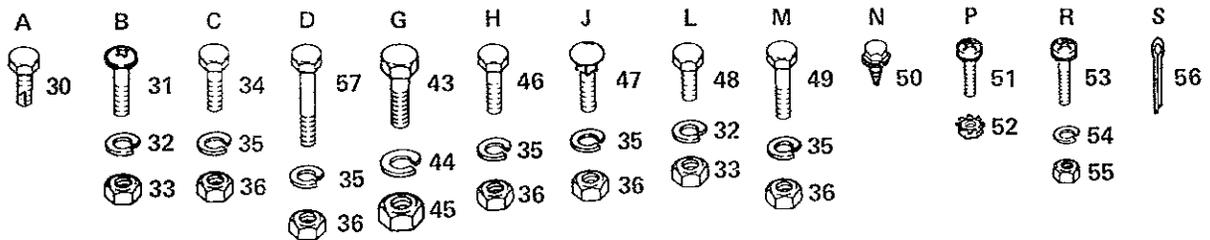
REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

ENGINE MOUNT, HOOD & GRILL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8655R	Grill	32	STD551125	*Lockwasher 1/4
2	7971R	Fuel Tank Cap	33	STD541025	*Hex Nut 1/4 - 20 UNC
3	36J	Fuel Tank	34	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8
4	9877R	Hose Clamp	35	STD551131	*Lockwasher 5/16
4A	8544R	Fuel Line	36	STD541031	*Hex Nut 5/16 - 18 UNC
4B	6999R	Fuel Line Clamp	43	3034P	Hex Bolt 7/16 - 14 UNC x 1
5	9806R	Fuel Line - Overflow	44	STD551143	*Lockwasher 7/16
9	673A25	Engine Base Weldment	45	STD541043	*Hex Nut 7/16 - 14 UNC
10	8818R	Engine Base Brace	46	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
11	9280R	Safety Switch Bracket	47	STD533107	Sq. Neck Carriage Bolt 5/16 - 18 UNC x 3/4
13	8780R	Dashboard Brace	48	STD522505	*Hex Bolt 1/4 - 20 UNC x 1/2
14	8784R	Heat Shield	49	STD523110	*Hex Bolt 5/16 - 18 UNC x 1
15	8936R	Sealing Strip	50	5601P	Hex Head Sheet Metal Screw No. 10 x 3/8 Type AB
16	8934R	Sealing Strip Clamp	51	STD551005	*Phillips Pan Head Machine Screw No. 10 - 24 UNC x 1/2
17	9151R	Snap Bushing	52	561P	Locknut No. 10 - 24 UNC
18	4171R	Insulated Clip	53	3067P	Phillips Pan Head Machine Screw No. 10 - 24 UNC x 3/4
19	8781R	Grill Brace	54	STD551110	*Lockwasher No. 10
20	8933R	Grill Bracket	55	STD541010	*Hex Nut No. 10 - 24 UNC
21	9042R	Rubber Bumper	56	STD560907	*Cotter Pin 3/32 x 3/4
22	9417R	Decal - Hood R.H.	57	3014P	*Hex Bolt 5/16 - 18 UNC x 1 - 3/4
23	8935R	Hood Latch Cover - R.H.			
24	8889R	Hood Latch			
25	8937R	Hood Strip			
26	9015R	Hood Latch Cover - L.H.			
27	9416R	Decal - Hood L.H.			
28	8028R	Decal - Maintenance			
29	673A29	Hood Ass'y.			
30	5600P	Hex Head Thread Cutting Screw 5/16 - 18 UNC x 1/2 Type 23			
31	STD512507	*Phillips Truss Head Machine Screw 1/4 - 20 UNC x 3/4			

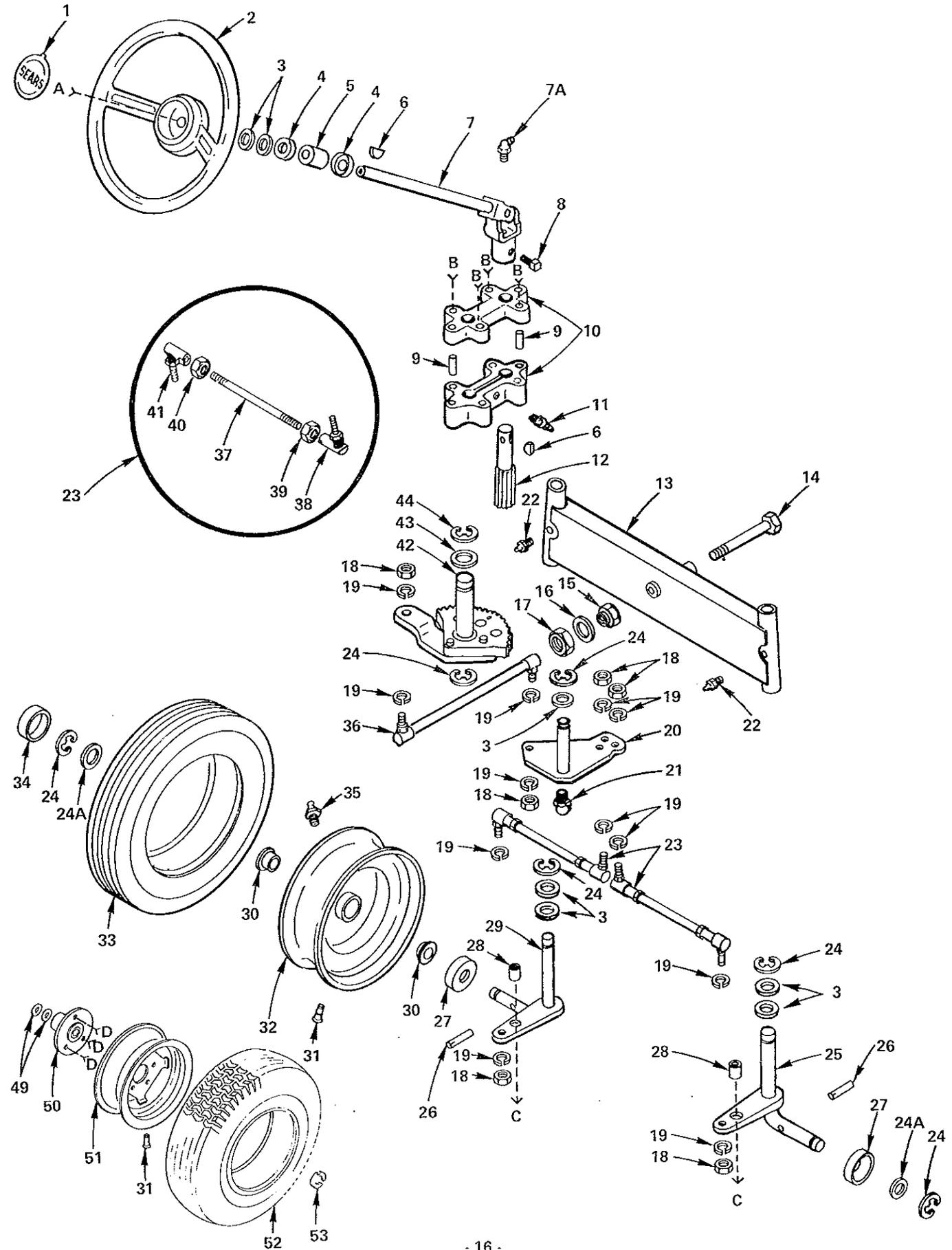
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REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

STEERING AND FRONT AXLE



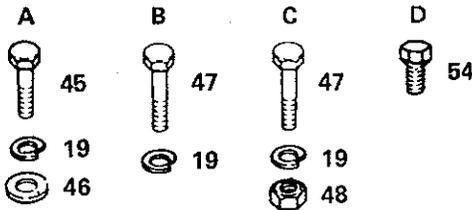
REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8866R	Steering Wheel Cap	29	673A19	Spindle Weldment - L.H.
2	2700R	Steering Wheel	30	9040H	Flanged Bearing
3	1552P	Washer 49/64 x 1 - 1/4 x 16 Ga.	31	795R	Tire Valve
4	9007H	Cap - Steering Tube	32	9473R	Front Wheel (Inc. Key No's. 30 & 35)
5	5949H	Rubber Bushing	33	2795R	Front Tire - Tubeless
6	9858M1	Woodruff Key	34	2118R	Dust Cap
7	9822R	U-Joint (Inc. Key No. 7A)	35	6856M	Grease Fitting
7A	9823R	Grease Fitting	36	8865R	Steering Drag Link
8	4505P	Sq. Hd. Set Screw 3/8 - 16 UNC x 1/2	37	673A39	Tie Rod (Inc. Key No's. 39 & 40)
9	6277H	Dowel Pin	38	8922R	Tie Rod Joint - L.H. Thread
10	673A122	Steering Bracket and Steering Cap (Inc. Key No. 9)	39	547P	Hex Jam Nut 3/8 - 24 UNF - L.H.
11	6842M	Grease Fitting	40	STD541337	*Hex Jam Nut 3/8 - 24 UNF
12	8765R	Steering Pinion	41	8921R	Tie Rod Joint - R.H. Thread
13	673A26	Front Axle Weldment	42	673A24	Steering Sector Ass'y.
14	8916R	Pivot Bolt 5/8 - 11 UNC x 6	43	1553P	Washer 57/64 x 1 - 1/4 x 16 Ga.
15	8767R	Shoulder Nut	44	5017P	E-Ring
16	STD551062	*Washer 21/32 x 1 - 5/16 x 13 Ga.	45	STD523710	*Hex Bolt 3/8 - 16 UNC x 1
17	522P	Hex Jam Nut 5/8 - 11 UNC	46	1559P	Washer 7/16 x 1 x 10 Ga.
18	STD541137	*Hex Nut 3/8 - 24 UNF	47	STD523717	*Hex Bolt 3/8 - 16 UNC x 1 - 3/4
19	STD551137	*Lockwasher 3/8	48	STD541037	*Hex Nut 3/8 - 16 UNC
20	673A30	Steering Bell Crank Weldment	49	7563R	Axle Thrust Washers
21	6853M	Grease Fitting	50	673A64	Wheel Hub and Bushing
22	6855M	Grease Fitting	51	9528R	Rear Wheel
23	673A15	Steering Tie Rod (Inc. Key No's. 37 thru 41)	52	8246R	Rear Tire
24	5000P	E-Ring	53	5845R	E-Ring
24A	1589P	Washer 49/64 x 1 - 5/8 x 16 Ga.	54	1304H	Hub Bolt
25	673A20	Spindle Weldment - R.H.			
26	9530R	Groove Pin			
27	8798R	Dust Cup - Inner			
28	8907R	Bushing - Steering Stop			

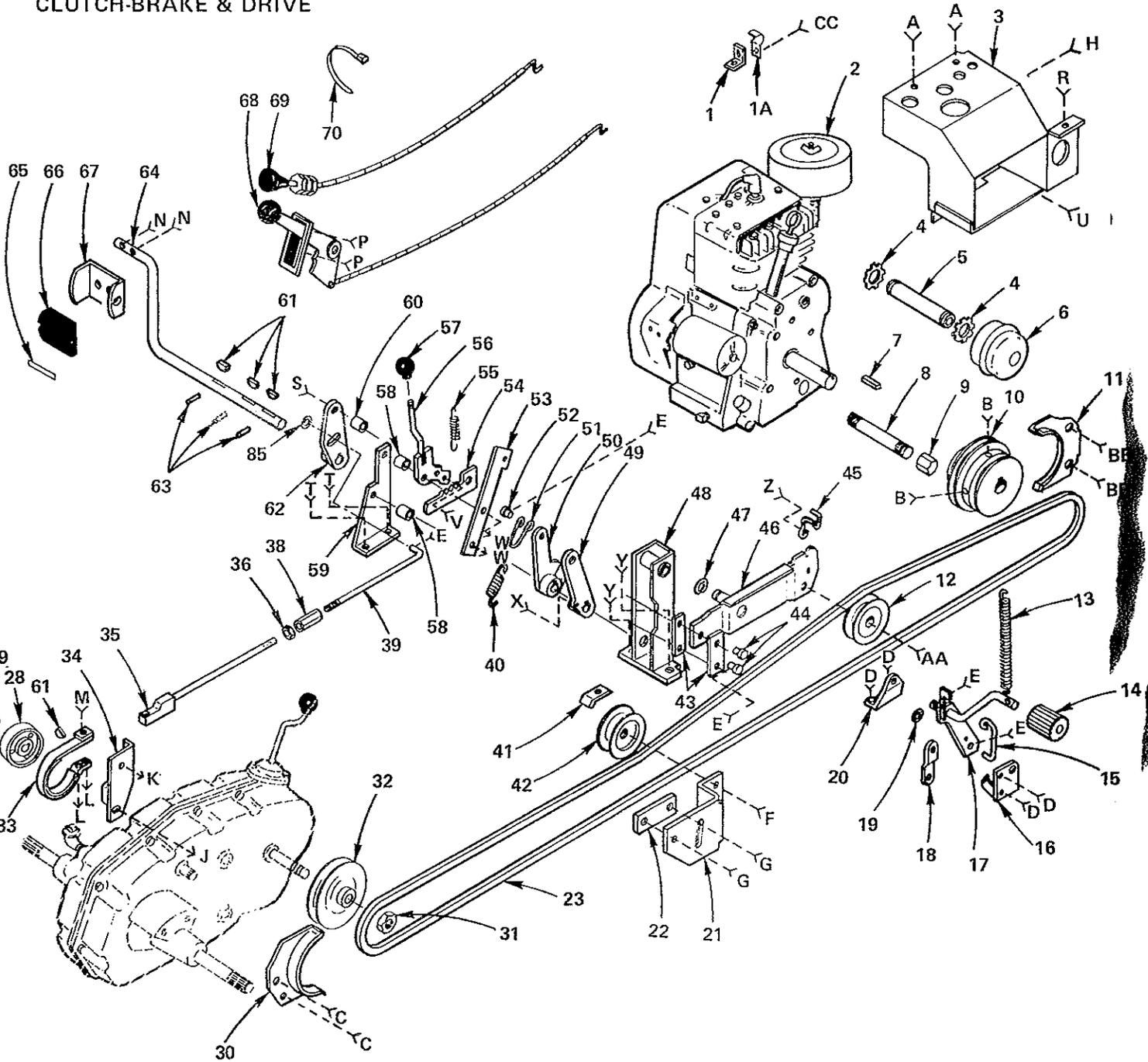
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REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

CLUTCH-BRAKE & DRIVE



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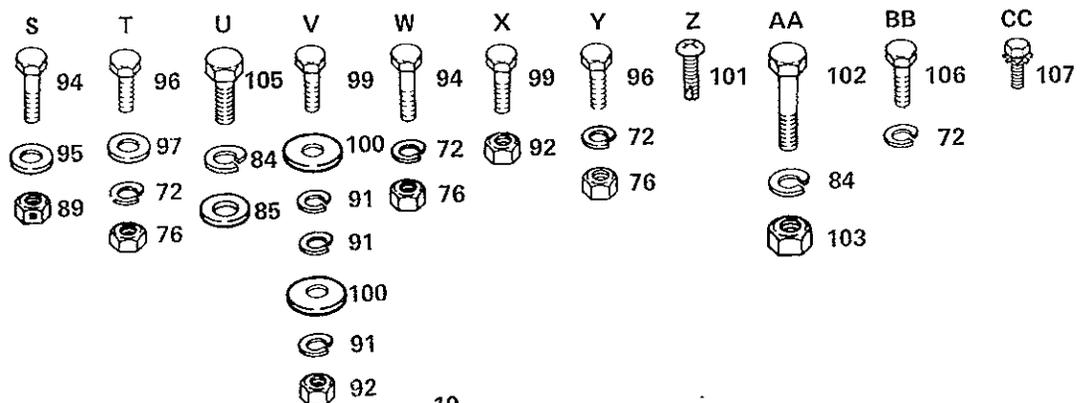
REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

CLUTCH-BRAKE & DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	9483R	Choke Bracket	58	8908R	Bushing - Brake Lever
1A	9484R	Conduit Clip	59	8822R	Parking Brake Support
2	673A11	Engine - 10 H.P.	60	8909R	Bushing - Lock Bar
3	673A99	Heat Deflector Weldment	61	2228M	Woodruff Key 3/16 x 3/4
4	9540H	Locknut - Muffler	62	8835R	Brake Arm
5	8886R	Muffler Pipe	63	5142H	Roll Pin
6	9899R	Muffler	64	8760R	Foot Pedal Shaft
7	9396E	Sq. Key	65	8899R	Decal - Clutch Brake
8	4011P	Oil Drain Pipe 3/8 - 18 NPT x 3 - 1/2	66	8882R	Foot Pedal
9	4010P	Drain Pipe Cap 3/8 - 18 NPT	67	8795R	Foot Pedal Bracket
10	673A98	Engine Pulley & Set Screws (Inc. Key No. 73)	68	9298R	Throttle Control
			69	862R	Choke Control
			70	6106R	Cable Tie
11	8799R	Engine Pulley Belt Guide	72	STD551131	*Lockwasher 5/16
12	8846R	Belt Idler - V Groove	73	4540P	Socket Headless Set Screw 5/16 - 18 UNC x 1/2
13	8906R	Spring - Mower Clutch			
14	8883R	Attachment Pedal Cover	74	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8
15	9283R	Clutch Spring Hanger	75	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
16	673A105	Outer Clutch Bracket Ass'y.	76	STD541031	*Hex Nut 5/16 - 18 UNC
17	673A106	Attachment Clutch Pedal Weldment	77	STD561210	*Cotter Pin 1/8 x 1
18	8832R	Clutch Link - Lower	78	3036P	Hex Bolt 7/16 - 14 UNC x 1 - 1/2
19	5018P	Retaining Ring	79	STD551143	*Lockwasher 7/16
20	8828R	Clutch Bracket - Inner	80	STD541043	*Hex Nut 7/16 - 14 UNC
21	8826R	Flat Idler Bracket	81	STD523707	*Hex Bolt 3/8 - 16 UNC x 3/4
22	8770R	Idler Bracket Lock Plate	83	STD523707	*Hex Bolt 3/8 - 16 UNC x 7/8
23	8845R	Ground Drive Belt	84	STD551137	*Lockwasher 3/8
28	7648H1	Brake Drum	85	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
29	9204H	Lock Nut 1/2 - 20	86	3164P	Flat Head Mach. Screw 3/8 - 16 UNC x 3/4
30	8800R	Transaxle Pulley Belt Guide			
31	9204H	Locknut 1/2 - 20 UNF	87	STD532505	Sq. Neck Carriage Bolt 1/4 - 20 UNC x 1/2
32	8847R	Transaxle Pulley			
33	673A28	Brake Band Ass'y.	88	1605H	Locknut 1/4 - 20 UNC
34	673A27	Brake Bracket Weldment	89	1685H	Locknut 5/16 - 18 UNC
35	626A365	Brake Rod Ass'y.	90	5599P	Hex Hd. Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
36	STD541037	*Hex Nut 3/8 - 16 UNC			
			91	STD551125	*Lockwasher 1/4
38	6417H	Turnbuckle	92	STD541025	*Hex Nut 1/4 - 20 UNC
39	8852R	Brake Rod - Front	94	STD523110	*Hex Bolt 5/16 - 18 UNC x 1 Grade 5
40	8905R	Spring - Idler	95	STD551025	*Washer 5/16 x 3/4 x 16 Ga.
41	9896R	Wire Guard	96	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
42	6635H	Belt Idler - Flat	97	STD551037	*Washer 11/32 x 11/16 x 16 Ga.
43	8815R	Clutch Arm Link			
44	8912R	Drilled Flat Head Rivet	99	STD522507	*Hex Bolt 1/4 - 20 UNC x 3/4
45	8848R	Idler Belt Guide	100	1585P	Washer 9/32 x 1 - 1/4 x 16 Ga.
46	673A22	Belt Idler Bracket Weldment	101	5602P	Phillips Truss Head Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
47	STD581062	*E-Ring			
48	673A21	Belt Idler Support	102	STD523715	*Hex Bolt 3/8 - 16 UNC x 1 - 1/2
49	8837R	Clutch Pivot Arm	103	3114P	Hex Bolt 1/4 - 20 UNC x 1/2
50	8836R	Safety Switch Arm	104	STD522512	Hex Bolt 1/4 - 20 UNC x 1 - 1/4
51	8850R	Spring Clevis	105	3019P	Hex Bolt 3/8 - 16 UNC x 1/2
52	8911R	Drilled Flat Head Rivet	106	3053P	Hex Bolt 5/16 - 24 UNF x 5/8
53	8820R	Parking Brake Lock Bracket	107	9485R	Screw
54	8817R	Parking Brake Lock Bar			
55	8904R	Spring - Parking Brake			
56	673A18	Parking Brake Lever Weldment			
57	8871R	Control Knob - Parking Brake			

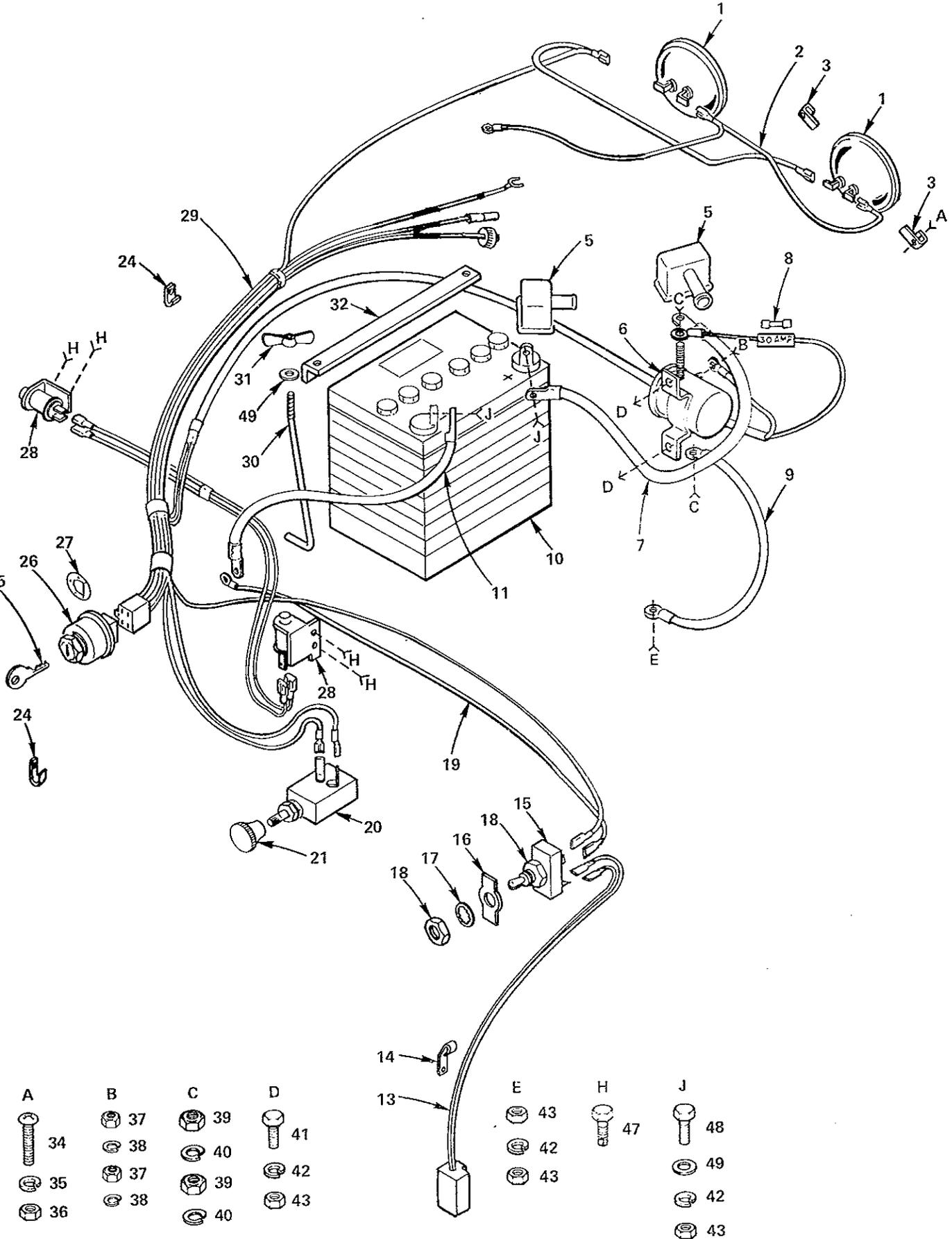
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

ELECTRICAL



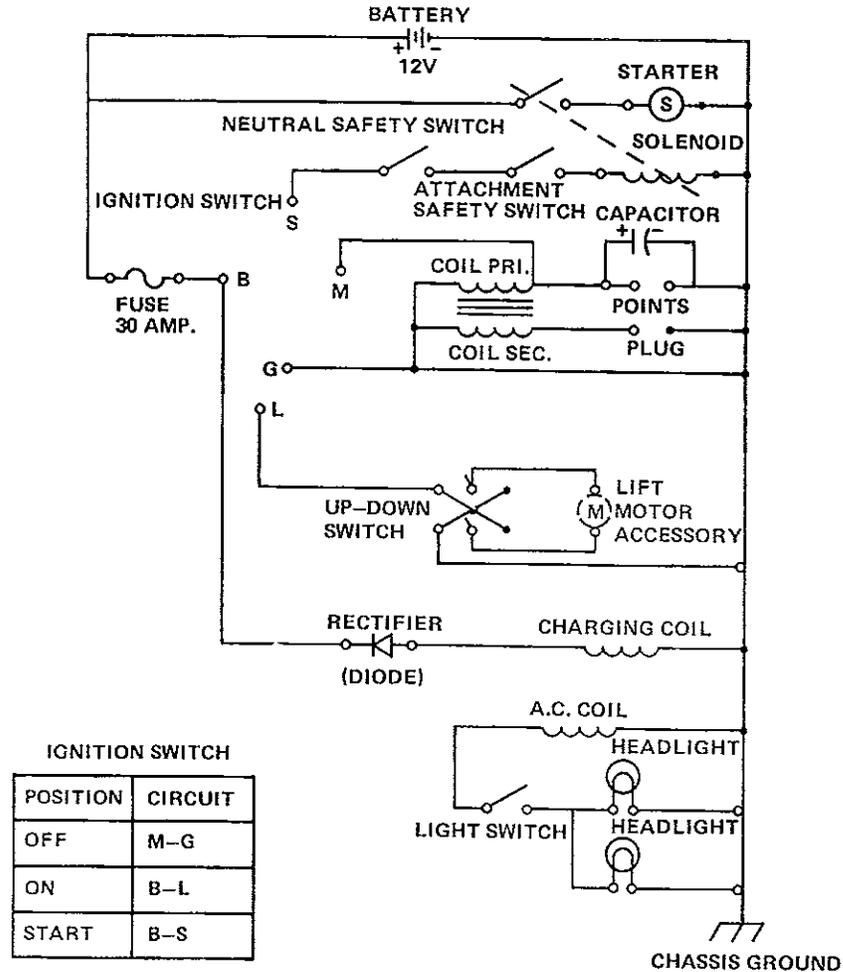
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REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

ELECTRICAL



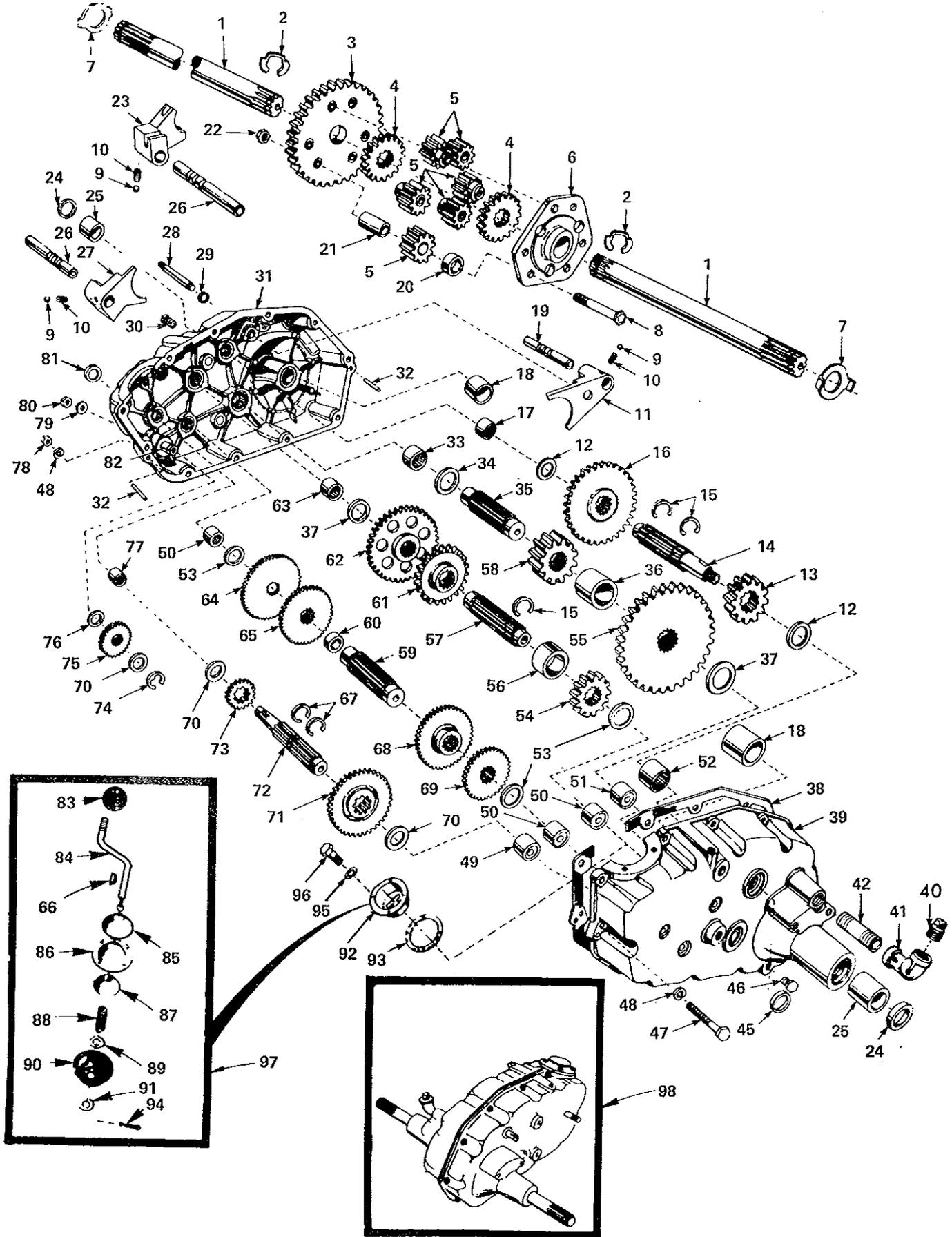
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	29	9569R	Wiring Harness
2	8031R	Wire - Headlight Ground	30	8854R	Battery Bolt
3	8794R	Headlight Clamp	31	3748M	Wing Nut 1/4 - 20 UNC
5	8856R	Terminal Insulator	32	8796R	Battery Hold Down
6	103R	Solenoid (Inc. Key No. 37 thru 40)	34	3349P	Phillips Truss Hd. Mach. Screw No. 10 - 24 UNC x 1
7	9277R	Battery Cable	35	STD551110	*Lockwasher No. 10
8	6347R	Fuse - 30 Amp.	36	STD541010	*Hex Nut No. 10 - 24 UNC
9	8860R	Starter Cable	37	STD541008	*Hex Nut No. 8 - 32 UNC
10	8859R	Battery	38	STD551108	*Lockwasher No. 8
11	8861R	Ground Cable	39	STD541331	*Hex Jam Nut 5/16 - 24 UNF
13	9700R	Harness - Lift Motor	40	STD551131	*Lockwasher 5/16
14	4171R	Insulated Clip	41	STD522505	*Hex Bolt 1/4 - 20 UNC x 1/2
15	8984R	Lift Switch (Inc. Key No. 18)	42	STD551125	*Lockwasher 1/4
16	9349R	Up-Down Plate	43	STD541025	*Hex Nut 1/4 - 20 UNC
17	7319R	Internal Tooth Lockwasher	47	5595P	Hex Self Tapping Screw No. 10 x 1/2 Type 23
18	566P	Hex Nut 15/32 - 32 NS	48	STD522507	*Hex Bolt 1/4 - 20 UNC x 3/4
19	9697R	Ground Wire	49	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
20	7793R	Light Switch			
21	7794R	Light Switch Knob			
24	2751R	Wire Clip			
25	7552H	Key Set			
26	4406R	Ignition Switch (Inc. Key No. 25)			
27	8657R	Terminal Identifier			
28	7755R	Safety Switch			

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141

TRANSAXLE



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REPAIR PARTS

10:6 GARDEN TRACTOR--MODEL NUMBER 917.25141

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	8740H1	Sintered Iron Bearing	66	7835M	Woodruff Key 1/8 x 1/2
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 Pinion
24	7393R	Oil Seal	72	4193R	Input Shaft
25	992R1	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	9012R	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	6364H	Control Knob
36	4200R	4th Reduction Gear Spacer	84	9011R	Gear Shift Lever - Bent
37	7395H	Thrust Bearing Race	85	9013R	Gear Shift Cap
38	6275H	Gearcase Gasket	86	633A85	Gear Shift Ball Cover and Pin
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	4015P	Elbow 90°, 1/2 - 14 N.P.T.	89	STD551043	*Washer 15/32 x 59/64 x 16 Ga.
42	4014P	Std. Pipe Nipple 1/2 - 14 N.P.T. x 3	90	8105R	Shift Mechanism Seal
45	6271H	Oil Seal	91	STD551050	*Washer 9/16 x 15/16 x 11 Ga.
46	4001P	Pipe Plug 1/4 - 18 N.P.T.	92	633A19	Gear Shift Gate and Reinforcement
47	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2 Grade 5	93	6274H	Shift Ball Cover Gasket
48	STD551131	*Lockwasher 5/16 Extra Heavy	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	633A87	Gear Shift Lever Ass'y.
			98	633A84	Transaxle Assembly Less Brake Drum & Shift Lever Ass'y.

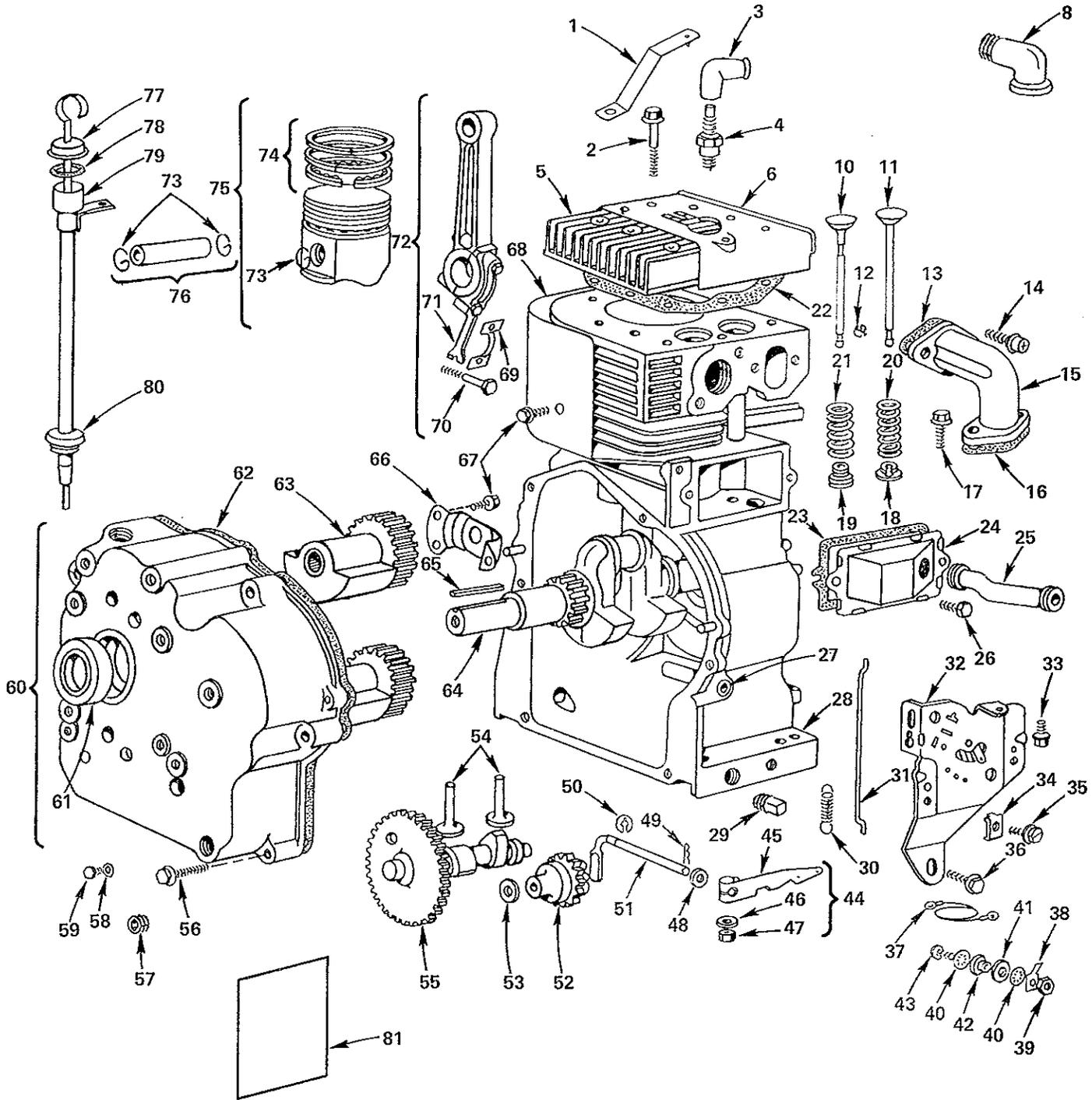
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REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141
BRIGGS & STRATTON MODEL NO. 251417 TYPE 0184-01

CYLINDER BLOCK GROUP



REPAIR PARTS

10.6 GARDEN TRACTOR--MODEL NUMBER 917.25141
BRIGGS & STRATTON MODEL NO. 251417 TYPE 0184-01

CYLINDER BLOCK GROUP

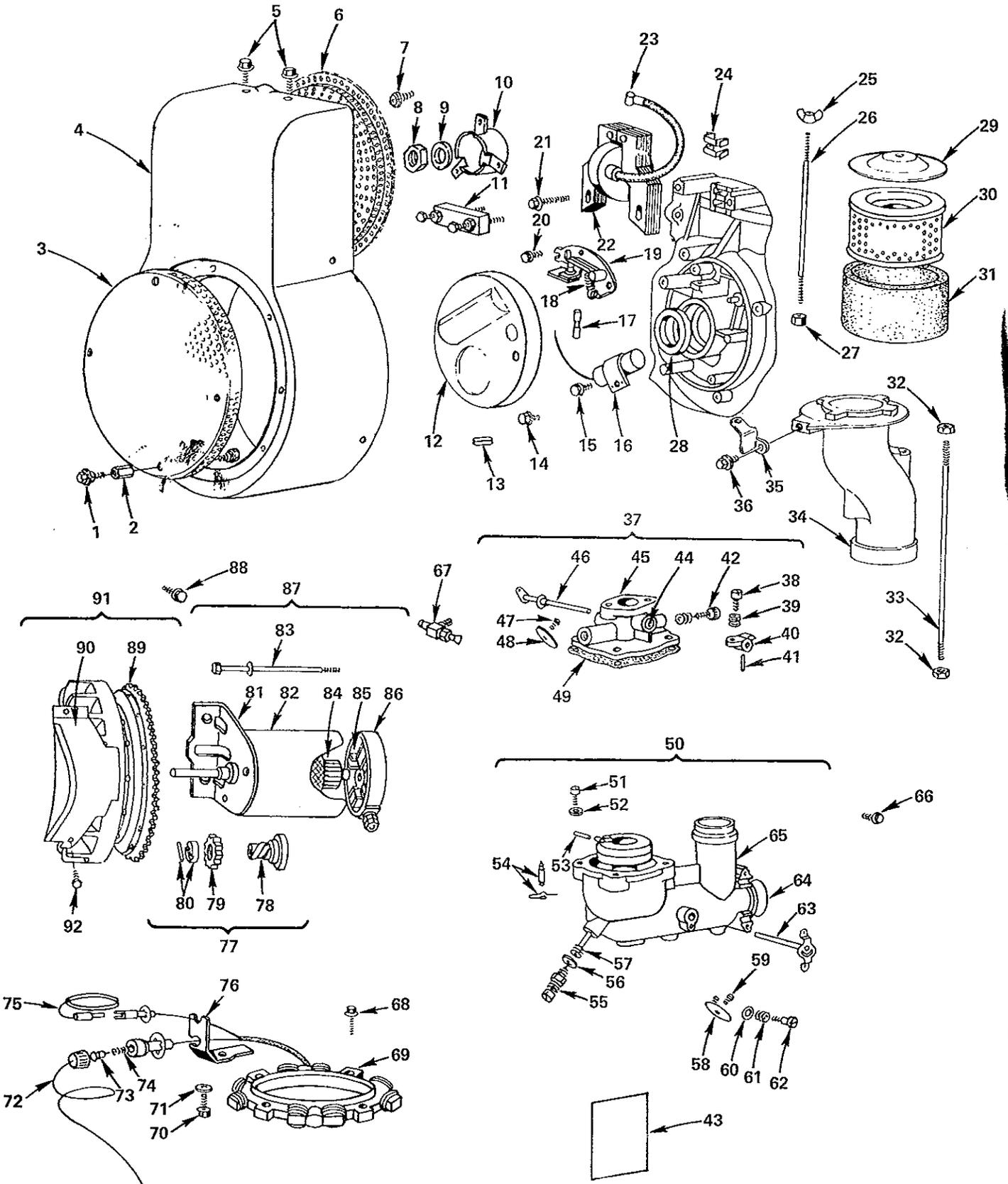
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	298926	Switch, Stop	42	66554	Collar, Insulating
2	93723	Screw, Cylinder Head (3")	43	93735	Screw, Terminal
3	68538	Elbow, Spark Plug	44	391732	Lever Ass'y., Governor (Inc. Key No's. 45, 46 & 47)
4	293918	Plug, Spark	45	92613	Bolt, Governor Lever
5	212261	Head, Cylinder	46	220680	Washer
6	222725	Cover, Cylinder Head	47	231082	Nut, Hex - No. 10 - 24
8	91308	Elbow, Street (Muffler 90°)	48	222450	Washer, Governor Crank
10	261185	Valve, Exhaust	49	93306	Cotter, Hair Pin
11	261184	Valve, Intake	50	93307	Retainer, E-Ring
12	93630	Retainer, Exhaust Valve	51	231057	Crank, Governor
13	270872	*Gasket, Intake Elbow Mounting	52	391737	Gear, Governor
14	93208	Screw, Intake Elbow Mounting	53	221551	Washer, Thrust
15	211931	Elbow, Intake	54	261183	Tappet, Valve
16	270267	*Gasket, Carburetor Mounting	55	211935	Gear, Cam
17	93415	Screw, Carburetor Mounting	56	93585	Screw, Crankcase Cover Mounting
18	221596	Retainer, Intake Valve	57	93418	Plug, Hex Socket
19	292260	Rotocoil, Exhaust Valve	58	22355	Washer, Flat
20	65906	Spring, Intake Valve	59	93554	Screw, Plug
21	26828	Spring, Exhaust Valve	60	391747	Cover Assembly, Crankcase (Inc. Key No. 6)
22	270796	Gasket, Cylinder Head	61	291675	Seal, Oil
23	27803	*Gasket, Valve Cover	62	270856	*Gasket, Crankcase Cover - 1/64"
24	391575	Breather Assembly	63	391481	Counterweight & Bearing Assembly
25	280112	Tube, Breather	64	261291	Crankshaft
26	93536	Screw, Sem	65	91540	Key, Pulley
27	231056	Bushing, Governor Crank	66	222407	Retainer, Counterweight
28	391750	Cylinder Assembly (Inc. Key 27)	67	93536	Screw, Sem
29	91084	Plug, Oil Drain	68	222744	Shield, Cylinder
30	260695	Spring, Governor	69	222299	Lock, Connecting Rod Screw
31	261236	Link, Governor	70	92909	Screw, Connecting Rod
32	391633	Plate, Governor Control	71	222329	Dipper, Connecting Rod
33	93158	Screw, Sem	72	391816	Rod Ass'y., Connecting (Inc. Key No's. 69, 70 & 71)
34	221535	Clamp, Casing	73	260924	Lock, Piston Pin
35	93496	Screw, Sem	74	391780	Ring Set, Piston - Standard
36	93535	Screw, Sem	75	391285	Piston Assembly - Standard
37	391602	Wire, Ground	76	299691	Pin Assembly, Piston - Standard (Inc. Key No. 73-2 Req'd.)
38	93722	Terminal, Spade	77	392295	Cap & Dipstick, Oil Filler
39	90576	Nut, Hex - No. 8 - 32	78	270933	Seal, Oil Filler Cap
40	92791	Lockwasher	79	392283	Tube, Oil Filler
41	66068	Washer, Insulating	80	68838	Seal, Filler Tube
			81	391834	Gasket Set

*INCLUDED IN 391834 GASKET SET

REPAIR PARTS

10/6 GARDEN TRACTOR--MODEL NUMBER 917.25141
BRIGGS & STRATTON MODEL NO. 251417 TYPE 0184-01

STARTER, FLYWHEEL & CARBURETOR GROUP



REPAIR PARTS

10 6 GARDEN TRACTOR--MODEL NUMBER 917.25141
BRIGGS & STRATTON MODEL NO. 251417 TYPE 0184-01

STARTER, FLYWHEEL & CARBURETOR GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93067	Screw, Starter Mounting	47	93499	Screw, Throttle Valve Mounting
2	231020	Spacer	48	221939	Valve, Throttle
3	222302	Screen, Blower Housing	49	270268	*+Gasket, Carburetor Body
4	391502	Housing, Blower	50	392892	Carburetor Ass'y., (Inc. Key No's. 37, 51 thru 63 & 65)
5	93158	Screw, Sem	51	90746	Screw, Fil. Hd. Machine
6	222562	Screen, Flush Rotating	52	92290	Lockwasher No. 10
7	93808	Screw, Sem	53	230896	+Pin, Float Hinge
8	92284	Nut, Hex	54	299096	Valve, Fuel Inlet
9	220865	Washer, Spring	55	99525	+Valve, Needle
10	222561	Cup, Screen Mounting	56	68667	+Gasket, Nozzle
11	19165	Puller, Flywheel	57	390950	+Nozzle, Carburetor
12	222309	Cover, Breaker Point	58	391836	Valve, Choke
13	61760	Key, Flywheel	59	93499	Screw, Choke Valve Mounting
14	93014	Screw, Sem	60	62899	Washer, Choke Lever
15	93042	Screw, Sem	61	26155	Spring, Choke Lever
16	391792	Condenser	62	23123	Screw, Choke Lever
17	65704	Plunger, Breaker Point	63	391583	Shaft & Lever, Choke
18	26018	Spring, Breaker Arm	64	221747	Plug, Welch
19	391284	Breaker Ass'y., Ignition (Inc. Key No. 18)	65	392890	Body Ass'y., Lower Carburetor (Inc. Key No. 64)
20	93226	Screw, Breaker Adjusting	66	93543	Screw, Sem
21	93381	Screw, Armature Mounting	67	390303	Connector & Shut-Off Valve
22	298968	Armature Assembly	68	93621	Screw, Sem
23	221798	Terminal, Cable	69	391520	Stator, Alternator
24	221907	Clip, Wire	70	93536	Screw, Sem
25	93453	Nut, Wing	71	220680	Washer
26	231144	Stud, Air Cleaner	72	390888	Knob Assembly, Fuse
27	92278	Nut, Hex - 1/4 - 20	73	391507	Diode, Alternator
28	391086	Seal, Oil	74	261269	Spring, Diode
29	222724	Cup, Air Cleaner	75	390867	Wire Assembly, Alternator
30	392286	Cartridge, Air Cleaner	76	222211	Bracket, Output
31	270973	Element, Air Cleaner	77	391461	Drive Assembly, Starter (Inc. Key No's. 78, 79 & 80)
32	92129	Nut, Hex - 1/4 - 28	78	391135	Clutch Assembly, Starter
33	231124	Stud, Air Cleaner Adapter	79	280104	Gear, Starter
34	212247	Adapter, Air Cleaner	80	391462	Retainer & Pin Assembly
35	222722	Bracket, Adapter	81	392061	Drive End Cap Assembly, Starter
36	93294	Screw	82	392744	Housing Assembly
37	391833	Body Ass'y., Upper Carburetor (Inc. Key No's. 38, 39, 40, 41, 42, 45, 46, 47, 48 & 49)	83	392931	Thru Bolt Assembly
38	91920	Screw, Fil. Hd. Machine	84	391160	Armature Assembly
39	26157	Spring, Throttle Adjustment	85	391791	Brush Set
40	61967	Stop, Throttle	86	391172	Commutator End Cap Assembly, Starter (Inc. Key No. 85)
41	93043	Pin, Throttle Stop	87	392749	Motor, Starter (Inc. Key No's. 77, 81, 82, 83, 84 & 86)
42	292681	+Valve Assembly, Carburetor Idle	88	93523	Screw, Sem
43	391071	Carburetor Overhaul Kit (Inc. All Parts Marked +)	89	392134	Gear, Flywheel Ring (Inc. Mounting Part)
44	23108	Bushing, Throttle Shaft	90	391629	Cover & Shield, Starter
45	298759	Body, Upper Carburetor (Inc. Key No. 44)	91	391988	Flywheel & Ring Gear Assembly, Magnet (Inc. Key No's. 89 & 90)
46	391596	Shaft & Lever, Throttle	92	93410	Screw, Sem

*INCLUDED IN GASKET SET NO. 391834
+INCLUDED IN CARBURETOR OVERHAUL KIT NO. 391071

Sears

**MODEL NO.
917.25141**

HOW TO ORDER REPAIR PARTS

MODEL NUMBER

The Model Number will be found on the Model Plate attached to the Heat Shield, in front of the Gas Tank. 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".



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

Sears, Roebuck and Co., Chicago, Ill. 60684, U.S.A.
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