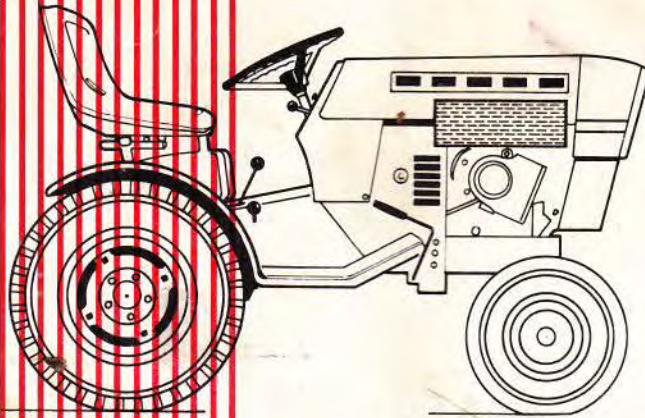


Sears

**MODEL NO.
917.25930**

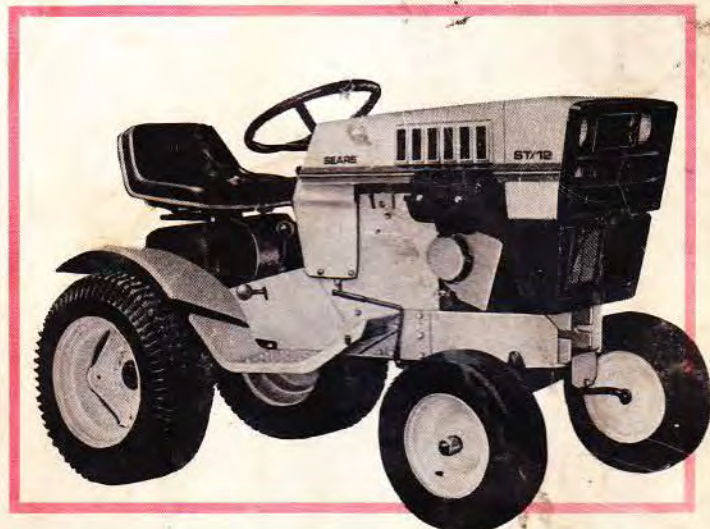


OWNER'S MANUAL

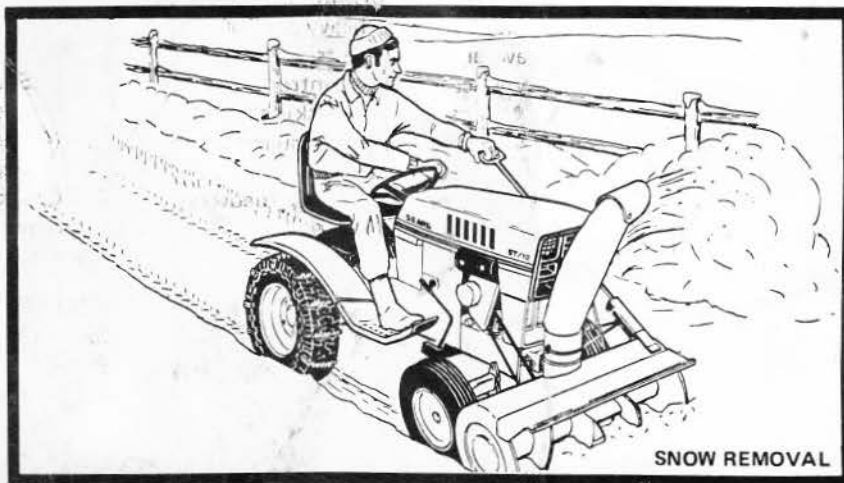
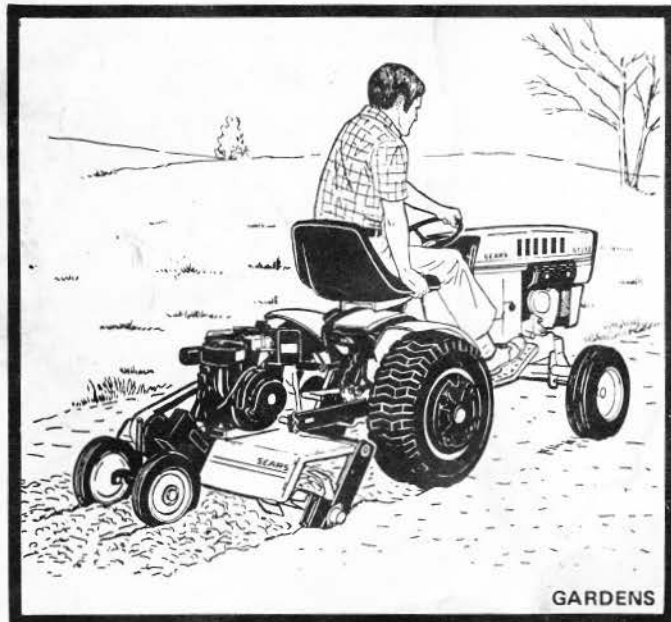
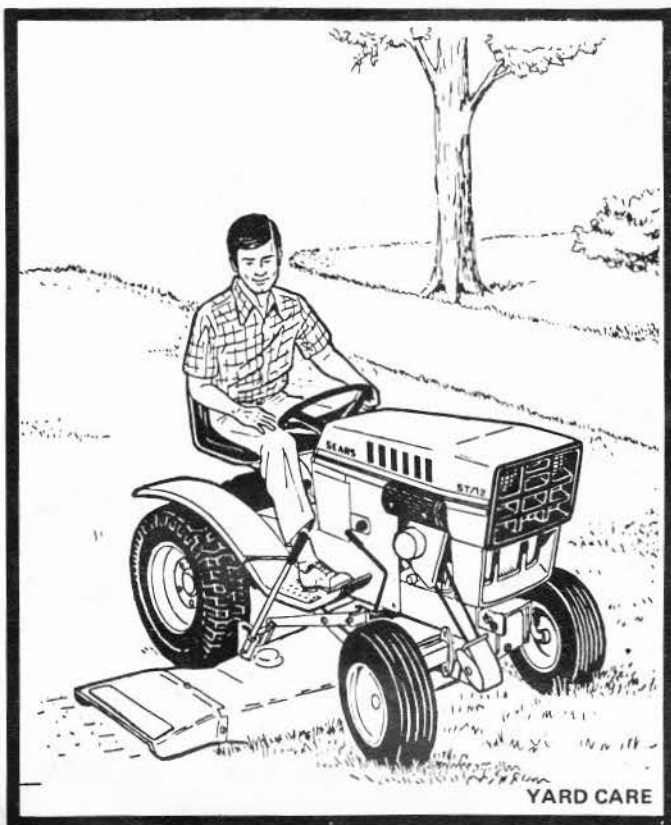
ST/12
GARDEN TRACTOR

**Assembly
Maintenance**

**Operation
Repair Parts**



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



CONGRATULATIONS on your purchase of a Sears ST/12 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 ST/12 GARDEN TRACTOR FEATURES...

CRAFTSMAN CAST-IRON 12 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 and Ammeter 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 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 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.

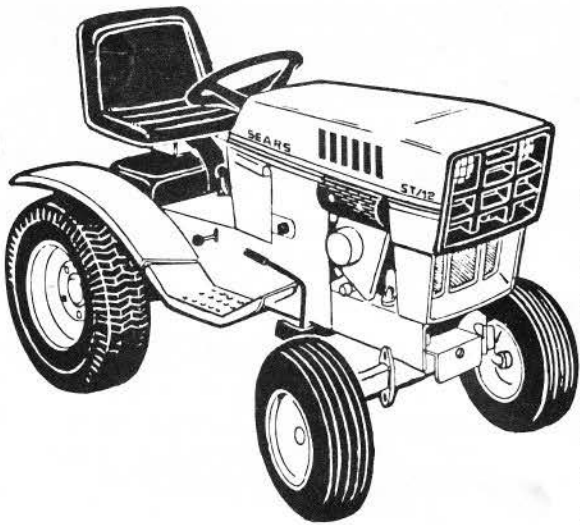


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RULES FOR SAFE OPERATION

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 driving 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 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 with mower, proceed as follows:
 - (1) Mow only in daylight or in good artificial light.
 - (2) Never adjust cutting height adjustment while the engine is running. The operator must dismount to do so.
 - (3) Shut the engine off when removing the grass catcher or unclogging chute.
 - (4) 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.

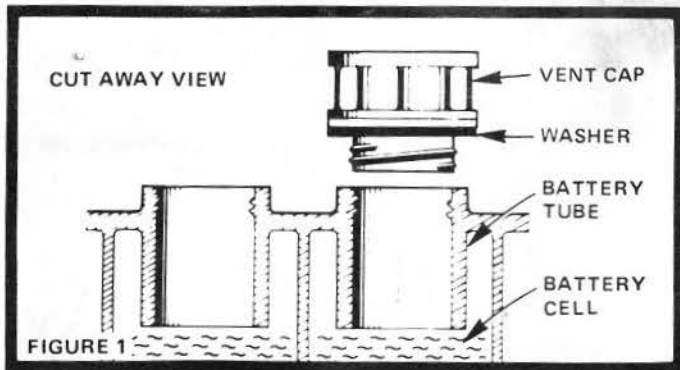


FIGURE 1

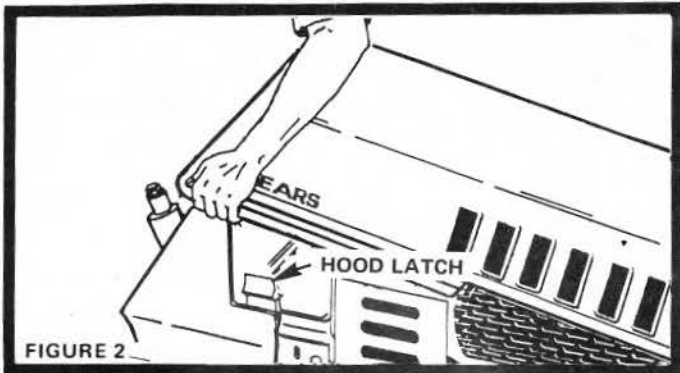


FIGURE 2

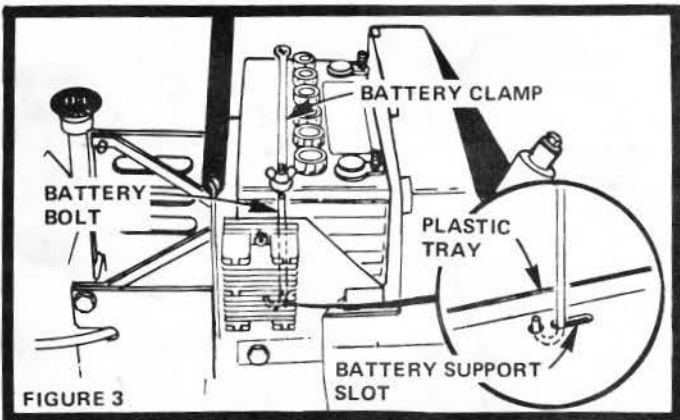


FIGURE 3

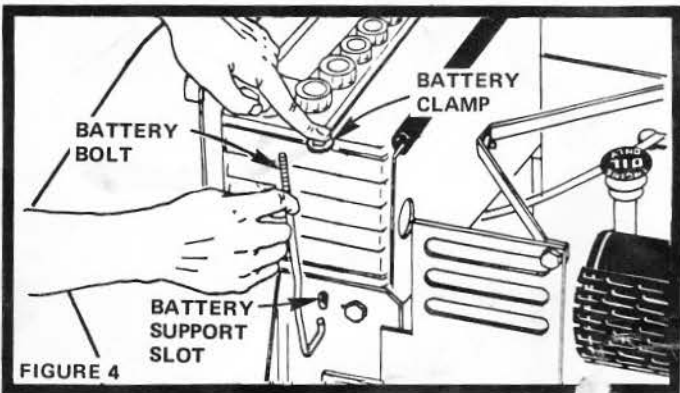


FIGURE 4

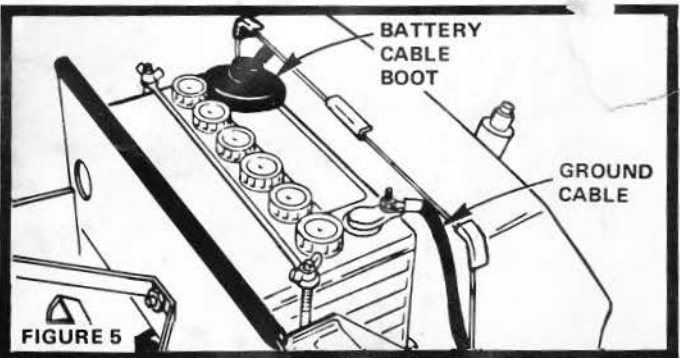


FIGURE 5

To assemble and adjust your Tractor you will need:
one 7/16", 9/16", and 3/4 Open or Box End 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.

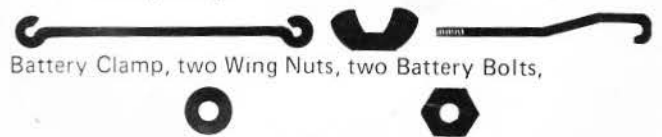
- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten vent caps securely, with washers in place.
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

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

3. Install Battery using:



Battery Clamp, two Wing Nuts, two Battery Bolts,

two Flat Washers 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 and move it slightly to the right to hook one Battery Bolt into the slot on the left side of the Battery Support (Fig. 3). Return Plastic Tray to original position (drain hole to operators R.H. front).
- c. Place Battery in Plastic Tray (Battery Terminals to rear of Tractor) (Fig. 3).
- d. Fasten Battery Clamp to installed 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 remaining Flat Washer and Wing Nut (Fig. 4). Tighten Wing Nuts securely.
- f. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Nut (Fig. 5). Tighten Nut securely. Place Boot over Terminal.



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

- g. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining 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.
- Press Steering Wheel Cap in place.

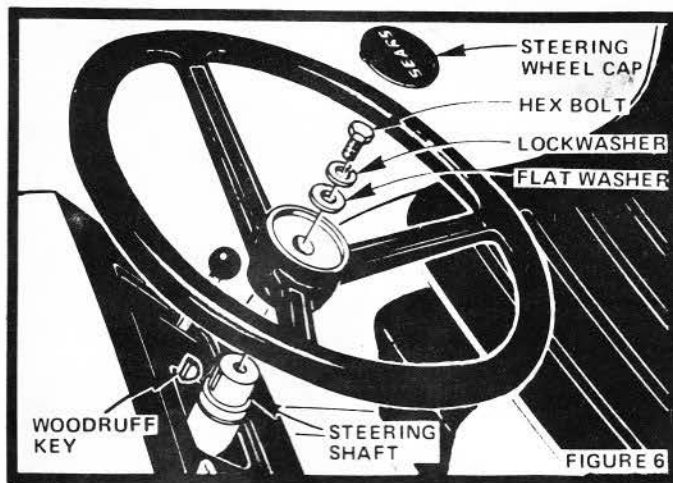


FIGURE 6

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.

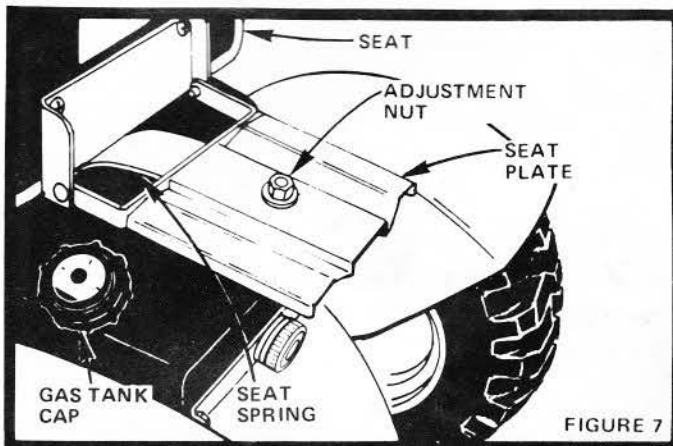


FIGURE 7

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.

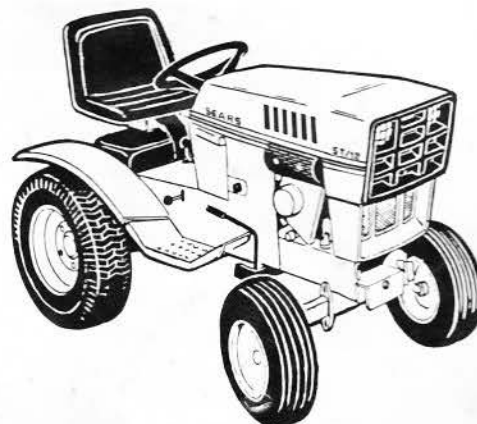


FIGURE 8

- 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.



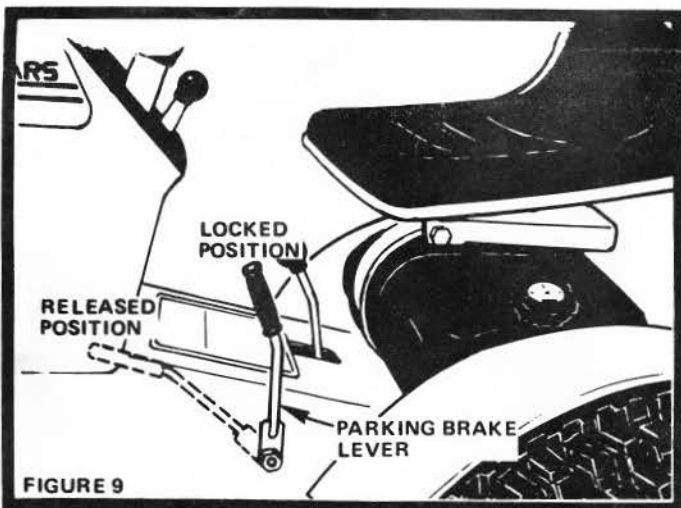


FIGURE 9

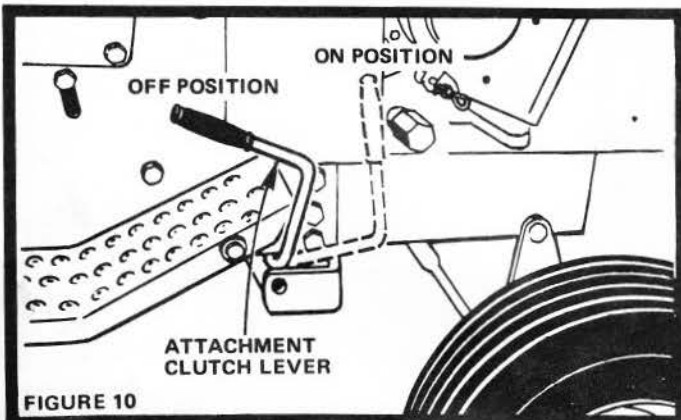


FIGURE 10

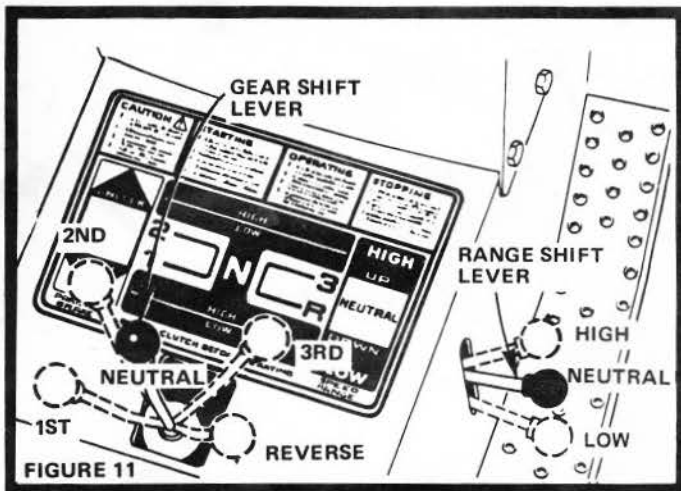


FIGURE 11

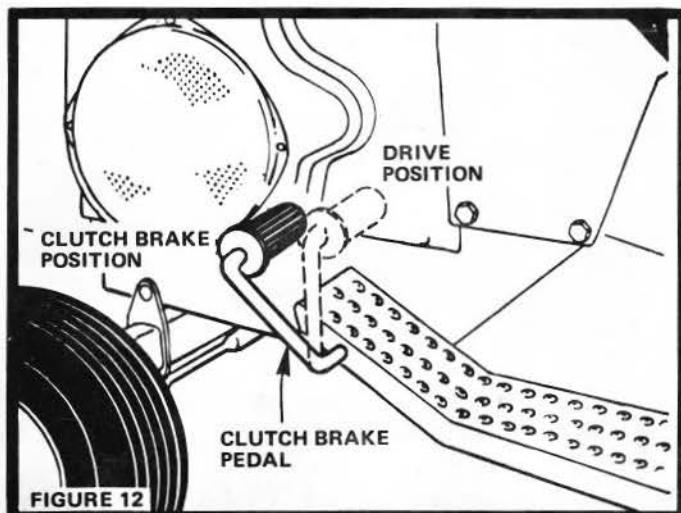


FIGURE 12

OPERATION

STARTING THE ENGINE

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

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 in middle position, Choke may not have to be used.

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



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

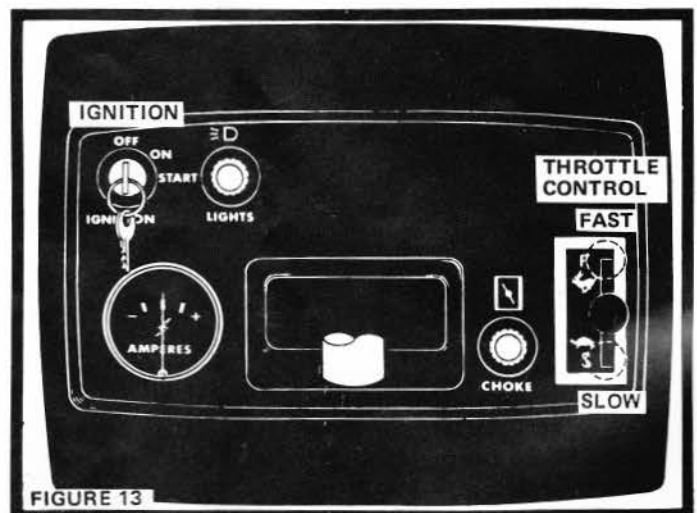


FIGURE 13

TRACTOR OPERATION

1. With engine running and warm, place Throttle Lever in middle position.
2. Push Clutch-Brake Pedal down to brake position.
3. Move Gear Shift Lever to "2ND" and Range Shift Lever to "LOW".
4. 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.

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.

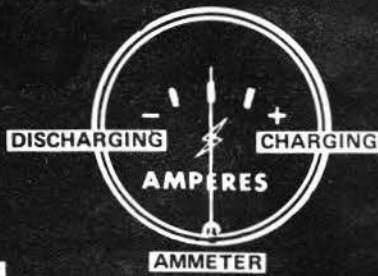


FIGURE 14

AMMETER



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 OVER-FILL.**

FREQUENTLY:

1. CHECK BATTERY

- Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 18). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- Keep Battery and Terminals clean. Refer to page 10.
- Keep Battery bolts tight.
- Keep Vent Caps tight, Washers in place 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. 20) must be kept free of dirt and chaff to prevent Engine damage from overheating.

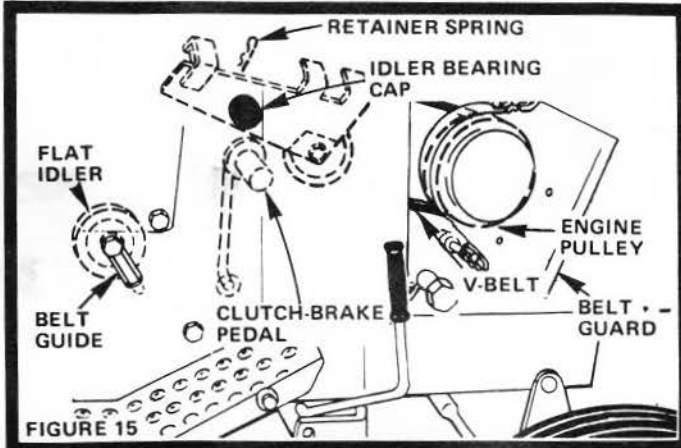


FIGURE 15

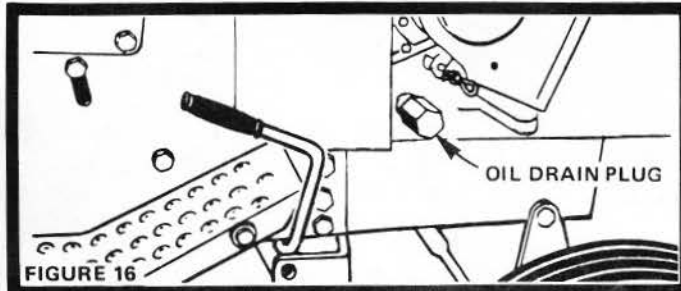


FIGURE 16

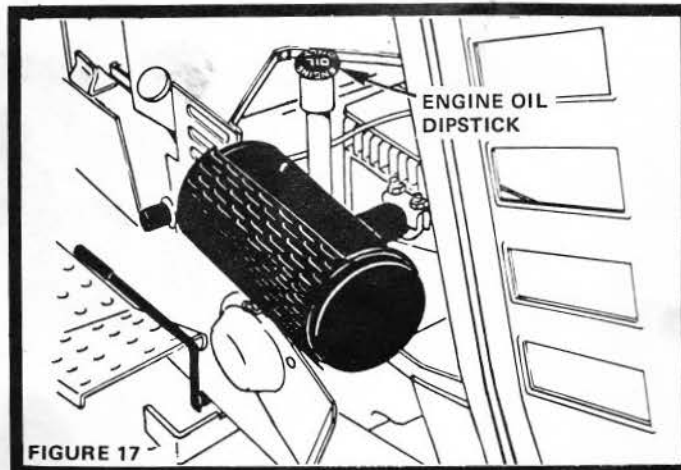


FIGURE 17

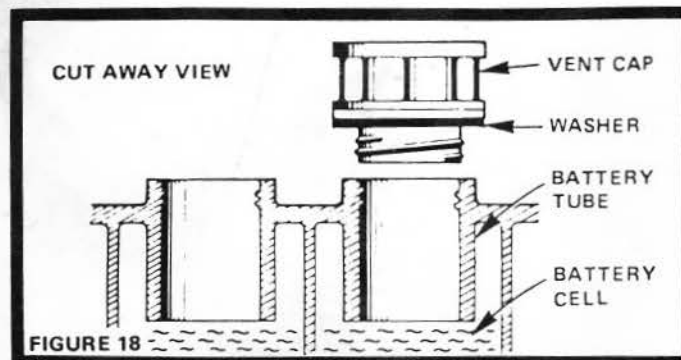


FIGURE 18

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. 20) 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.

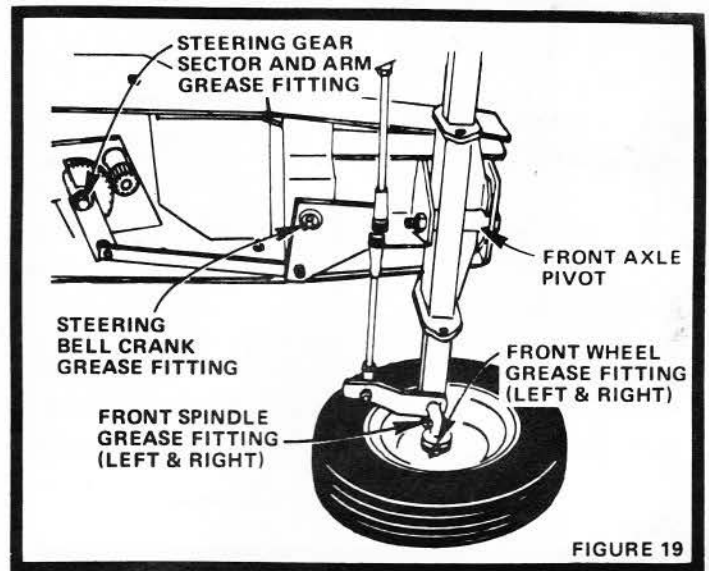


FIGURE 19

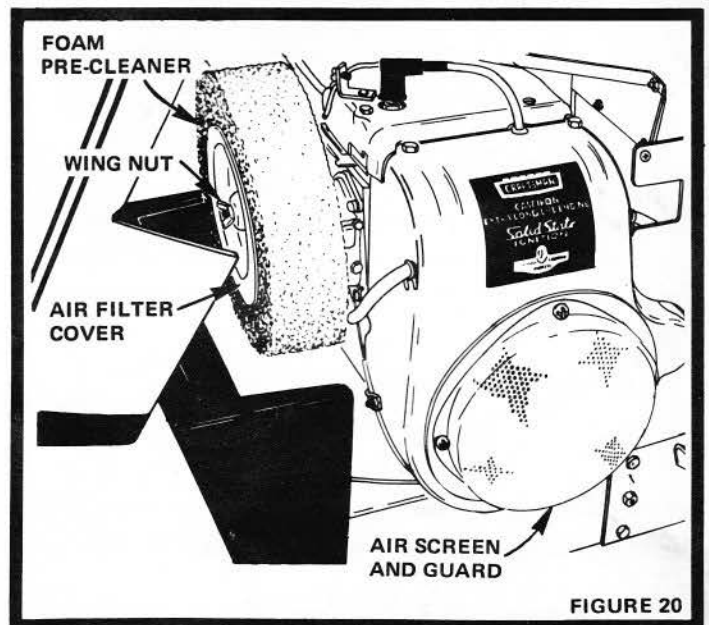


FIGURE 20

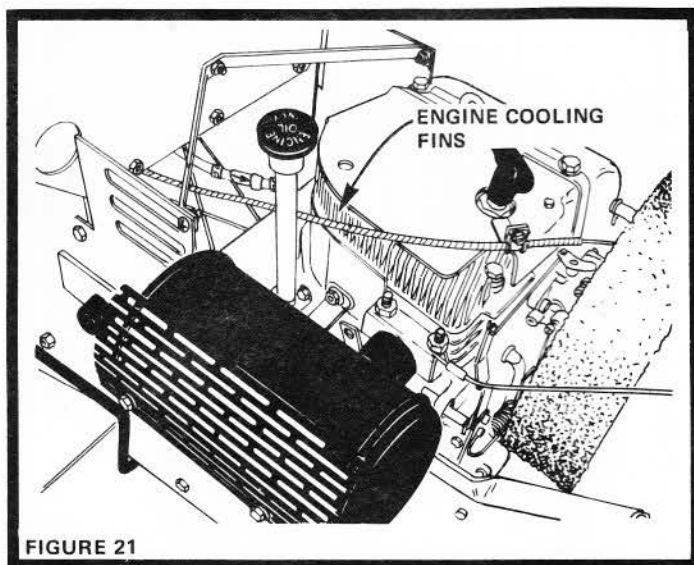


FIGURE 21

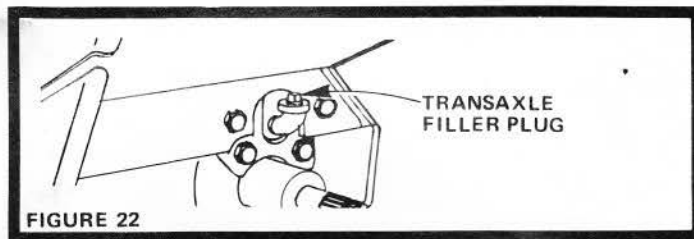


FIGURE 22

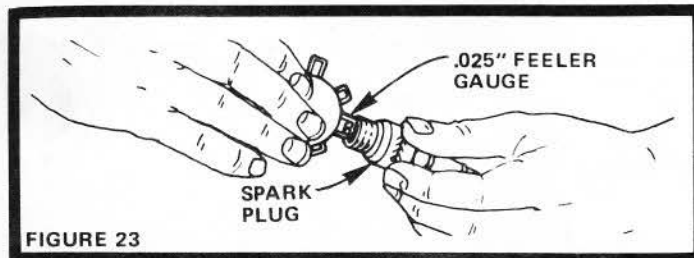


FIGURE 23

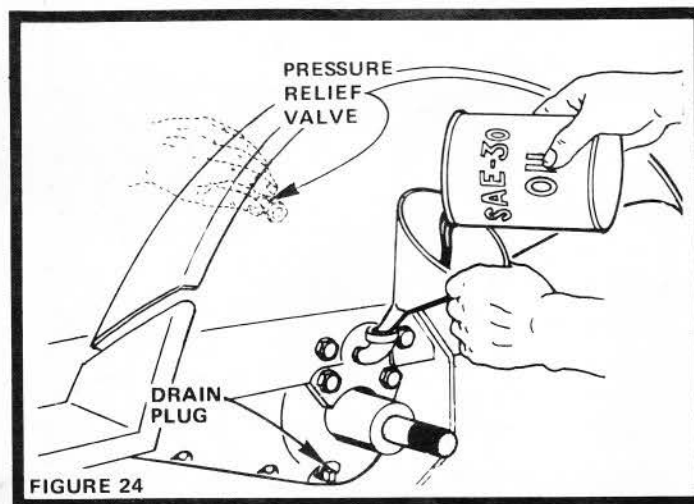


FIGURE 24

EVERY 50 HOURS:

1. CLEAN ENGINE COOLING FINS

Remove any dust, dirt or oil from Engine Cooling Fins (Fig. 21) 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. 22) from Transaxle. Oil Level should be even with Filler Plug threads. Add S.A.E. 30 Motor Oil if necessary.
- Check Pressure Relief Valve (Fig. 24). 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. 23). 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. 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

- 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. 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.
- 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. 25).
- 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.

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. 26) 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.

3. BRAKE ADJUSTMENT

If Clutch-Brake Pedal (Fig. 27) has more than approximately 4 inches of travel from vertical to full brake position then brake adjustment is necessary.

- Loosen Jam Nut (Fig. 27) 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. 27).
- 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.

5. CARBURETOR ADJUSTMENT

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

- Main Fuel (High Speed) Screw (Fig. 28) should not require adjustment. If resetting is necessary, turn clockwise, closing finger tight ONLY, then turn counterclockwise 1 to 1 - 1/8 turn.
- Turn Idle Adjusting Needle (Fig. 28) clockwise, closing finger tight ONLY, and then turn counterclockwise 3/4 to 7/8 turn.
- 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. 28) 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.

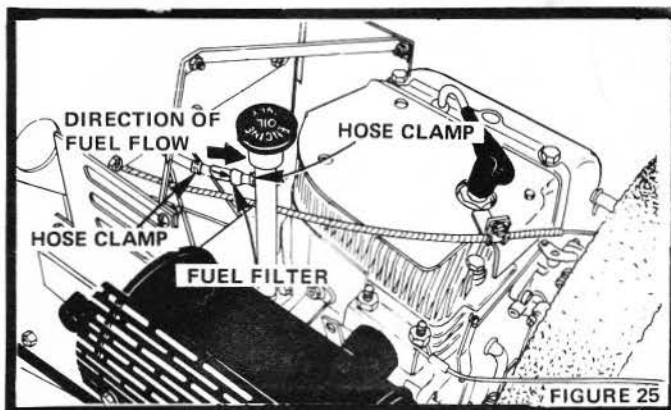


FIGURE 25

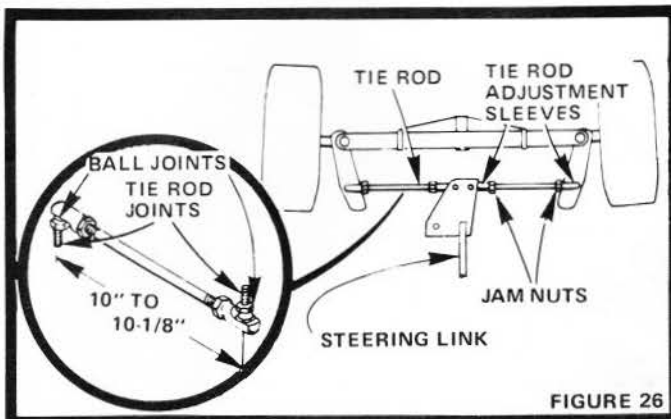


FIGURE 26

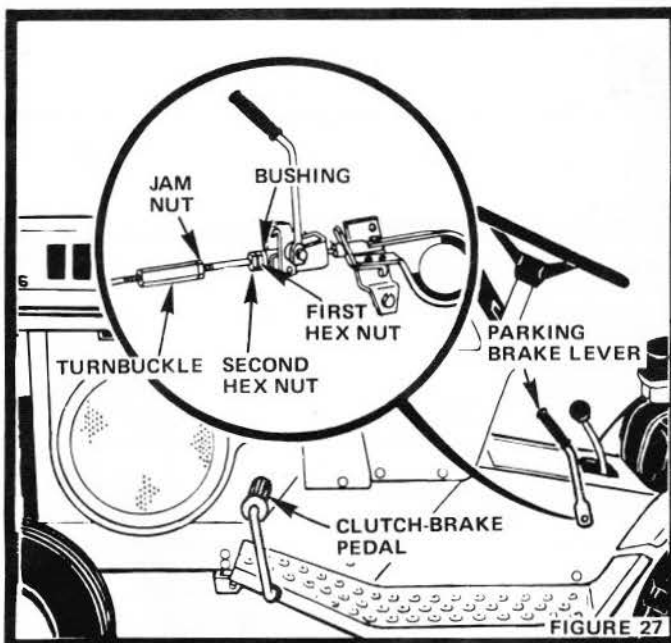


FIGURE 27

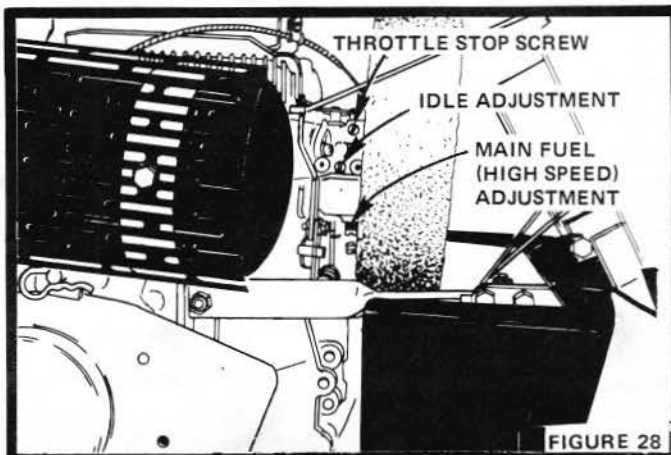


FIGURE 28

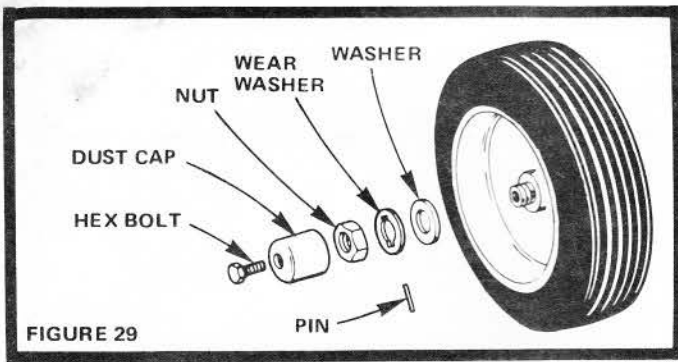


FIGURE 29

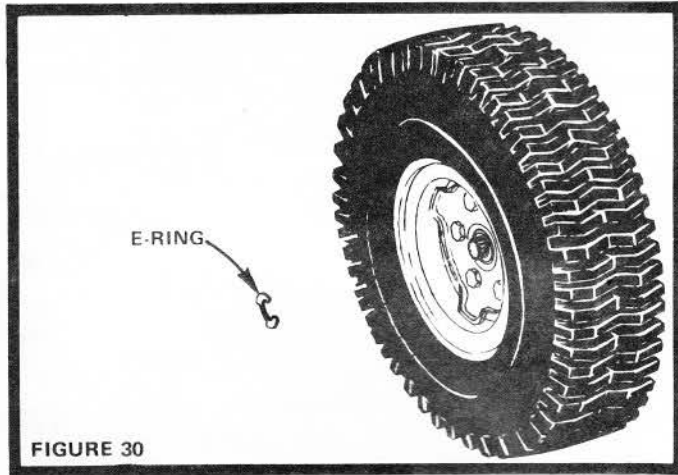


FIGURE 30

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. 29):
 - 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. 30):
 - 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

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 CEMENT SURFACE.
- Check electrolyte charge each month and recharge if below 1.225 specific gravity. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHUR DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

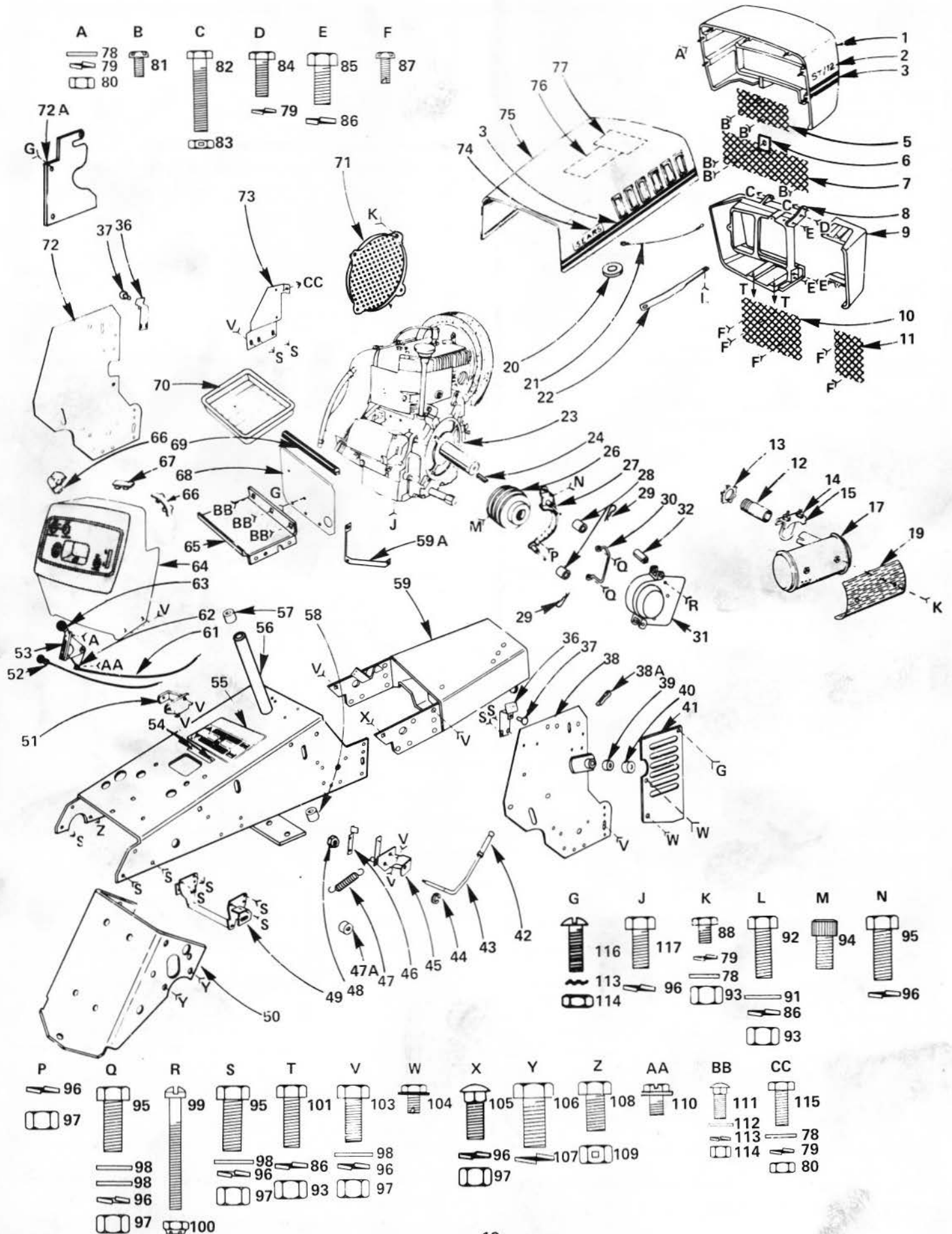
5. GENERAL CLEANING

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

REPAIR PARTS: ST/12-GARDEN TRACTOR

MODEL NO. 917.25930

MAIN FRAME, DASH AND GRILL



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REPAIR PARTS:

ST/12-GARDEN TRACTOR

MAIN FRAME, DASH AND GRILL

MODEL NO. 917.25930

Grill
11 cable
St. wheel?
Seat?
Ft. pedal cov.?

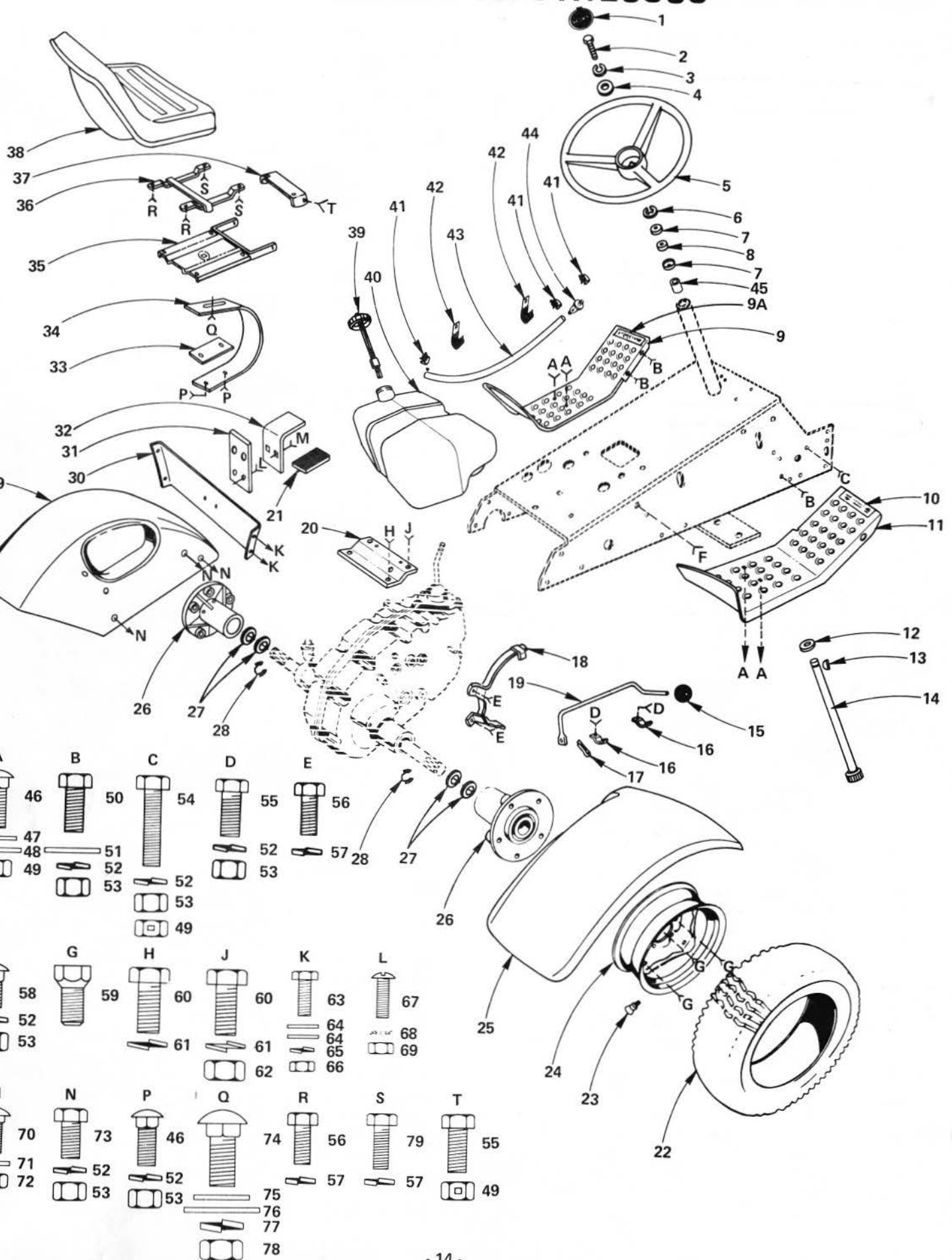
| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|---|---------|----------|--|
| 1 | 2676R | Grill - Upper <i>79, 99</i> | 65 | 8527R | Battery Support |
| 2 | 7991R | Decal - Grill (ST/12) | 66 | 1998R | Clip - Dashboard |
| 3 | 7995R | Decal - Hood Strip | 67 | 8571R | Clip - Dashboard, Center |
| 5 | 2672R | Grill Screen - Upper | 68 | 7912R | Battery Heat Shield |
| 6 | 8768H | Mounting Clip | 69 | 7874R | Hood Seal |
| 7 | 2794R | Grill Screen - Center | 70 | 8630R | Battery Tray |
| 8 | 7937R | Grill - Lower | 71 | 704R | Air Inlet Screen |
| 9 | 7938R | Grill Side | 72 | 7731R | Bracket - Battery Support |
| 10 | 2674R | Grill Screen - L.H. | 72A | 8023R | Cover - L.H. |
| 11 | 2673R | Grill Screen - R.H. | 73 | 7835R | Bracket Rectifier |
| 12 | 6253R | Exhaust Pipe | 74 | 3300R | Decal - Sears |
| 13 | 9540H | Locknut | 75 | 634A700 | Hood Ass'y. |
| 14 | 504P | *Hex Nut 5/16 - 18 | 76 | 8028R | Decal - Instruction |
| 15 | 663A149 | Muffler Clamp (Inc. Key No. 14) | 77 | 8057R | Decal - Wiring |
| 17 | 7820R | Muffler | 78 | 1506P | *Washer 9/32 x 5/8 x 16 Ga. |
| 19 | 634A710 | Muffler Guard Ass'y. | 79 | 1002P | *Lockwasher 1/4 |
| 20 | 1537P | *Washer 11/32 x 11/16 x 16 Ga. | 80 | 503P | *Hex Nut 1/4 - 20 |
| 21 | 7811R | Grill Cable <i>1299</i> | 81 | 5554P | Phillips Pan Hd. Thd. Cutting Screw 10 - 16 x 1/2 |
| 22 | 7899R | Grill Brace | | | |
| 23 | 634A771 | Engine 12 H.P. | 82 | 3322P | *Hex Bolt 1/4 - 20 x 2 Gr. 5 |
| 24 | 9396E | Sq. Key 1/4 x 2 | 83 | 1605H | Locknut 1/4 - 20 |
| 26 | 634A104 | Engine Pulley w/Set Screws | 84 | 3003P | *Hex Bolt 1/4 - 20 x 3/4 |
| 27 | 634A792 | Mounting Plate and Guide Ass'y. | 85 | 3010P | *Hex Bolt 5/16 - 18 x 3/4 |
| 28 | 8704H1 | Spacer | 86 | 1003P | *Lockwasher 5/16 |
| 29 | 4939M | Retainer Spring | 87 | 5501P | Phillips Pan Hd. Thd. Cutting Screw 10 - 24 x 3/8 Type T |
| 30 | 9011H | Belt Retainer | | | |
| 31 | 634A660 | Belt Guard Weldment | 88 | 3114P | *Fin. Hex Bolt 1/4 - 20 x 1/2 |
| 32 | 8238H | Split Spacer | 91 | 1537P | *Washer 11/32 x 11/16 x 16 Ga. |
| 36 | 634A820 | Hood Latch | 92 | 3011P | *Hex Bolt 5/16 - 18 x 1 |
| 37 | 8457R | Support Bumper | 93 | 504P | *Hex Nut 5/16 - 18 |
| 38 | 634A818 | Battery Support Bracket (Inc. Key 39) | 94 | 4514P | Hex Socket Hdless Set Screw 5/16 - 18 x 5/8 |
| 38A | 2514P | *Cotter Pin 1/4 x 1 | | | |
| 39 | 7756R | Bearing | 95 | 3023P | *Hex Bolt 3/8 - 16 x 1 |
| 40 | 8006R | Cap - Idler Shaft | 96 | 1004P | *Lockwasher 3/8 |
| 41 | 7905R | Cover - R.H. | 97 | 501P | *Hex Nut 3/8 - 16 |
| 42 | 4379H | Handle Grip | 98 | 1513P | *Washer 13/32 x 13/16 x 16 Ga. |
| 43 | 7945R | Attachment Clutch Lever | 99 | 3154P | Slt. Fil. Hd. Machine Screw 1/4 - 20 x 2 - 1/4 |
| 44 | 5002P | E-Ring | | | |
| 45 | 634A785 | Hanger Weldment R.H. - Front | 100 | 347H | Huglock Nut 1/4 - 20 |
| 46 | 7944R | Belt Tightener Arm | 101 | 3012P | *Hex Bolt 5/16 - 18 x 1 - 1/4 |
| 47 | 7948R | Return Spring | | | |
| 47A | 2248R | Bushing | 103 | 3137P | *Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5 |
| 48 | 7810H | Locknut 3/8 - 24 | 104 | 5557P | Hex Washer Hd. Thd. Cutting Screw 1/4 - 20 x 1/2 Type 1 |
| 49 | 634A814 | Hanger Weldment - Rear | | | |
| 50 | 634A787 | Drawbar and Weldnuts | 105 | 61P | *Sq. Neck Short Shoulder Carriage Bolt 3/8 - 16 x 1 Gr. 5 |
| 51 | 634A355 | Hanger Weldment - L.H. - Front | | | |
| 52 | 7929R | Choke Control | 106 | 3035P | *Hex Bolt 7/16 - 14 x 1 - 1/4 |
| 53 | 7932R | Throttle Control (Inc. Key 61, 62 & 63) | 107 | 1001P | *Lockwasher 7/16 |
| 54 | 9521H | Drive Rivet | 108 | 3021P | *Hex Bolt 3/8 - 16 x 3/4 |
| 55 | 7939R | Decal (Shift Pattern) | 109 | 5394H | Locknut 3/8 - 16 |
| 56 | 634A781 | Chassis Ass'y. (Inc. Key 57 & 58) | 110 | 6055P | Hex Slt. Hd. Machine Screw w/Sems Int. Tooth Lockwasher 10 - 32 x 1/4 |
| 57 | 6468H | Bearing | | | |
| 58 | 4766H | Bearing | 111 | 53P | *Sq. Neck Carriage Bolt 10 - 24 x 1/2 |
| 59 | 634A782 | Engine Mount Ass'y. | 112 | 1535P | *Washer 7/32 x 7/16 x 18 Ga. |
| 59A | 7907R | Panel Brace | 113 | 1006P | *Lockwasher No. 10 |
| 61 | 8205R | Throttle Wire & Casing | 114 | 505P | *Hex Nut 10 - 24 |
| 62 | 8204R | Clamp | 115 | 3114P | *Hex Bolt 1/4 - 20 x 1/2 |
| 63 | 8203H | Throttle Control Lever | 116 | 3073P | *Slt. Truss Hd. Machine Screw 10 - 24 x 1/2 |
| 64 | 634A822 | Dashboard (Inc. Key 66 & 67) | | | |
| | | | 117 | 3022P | *Hex Bolt 3/8 - 16 x 7/8 |

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REPAIR PARTS:

STEERING AND FINAL DRIVE

ST/12-GARDEN TRACTOR MODEL NO. 917.25930



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REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

STEERING, AND FINAL DRIVE

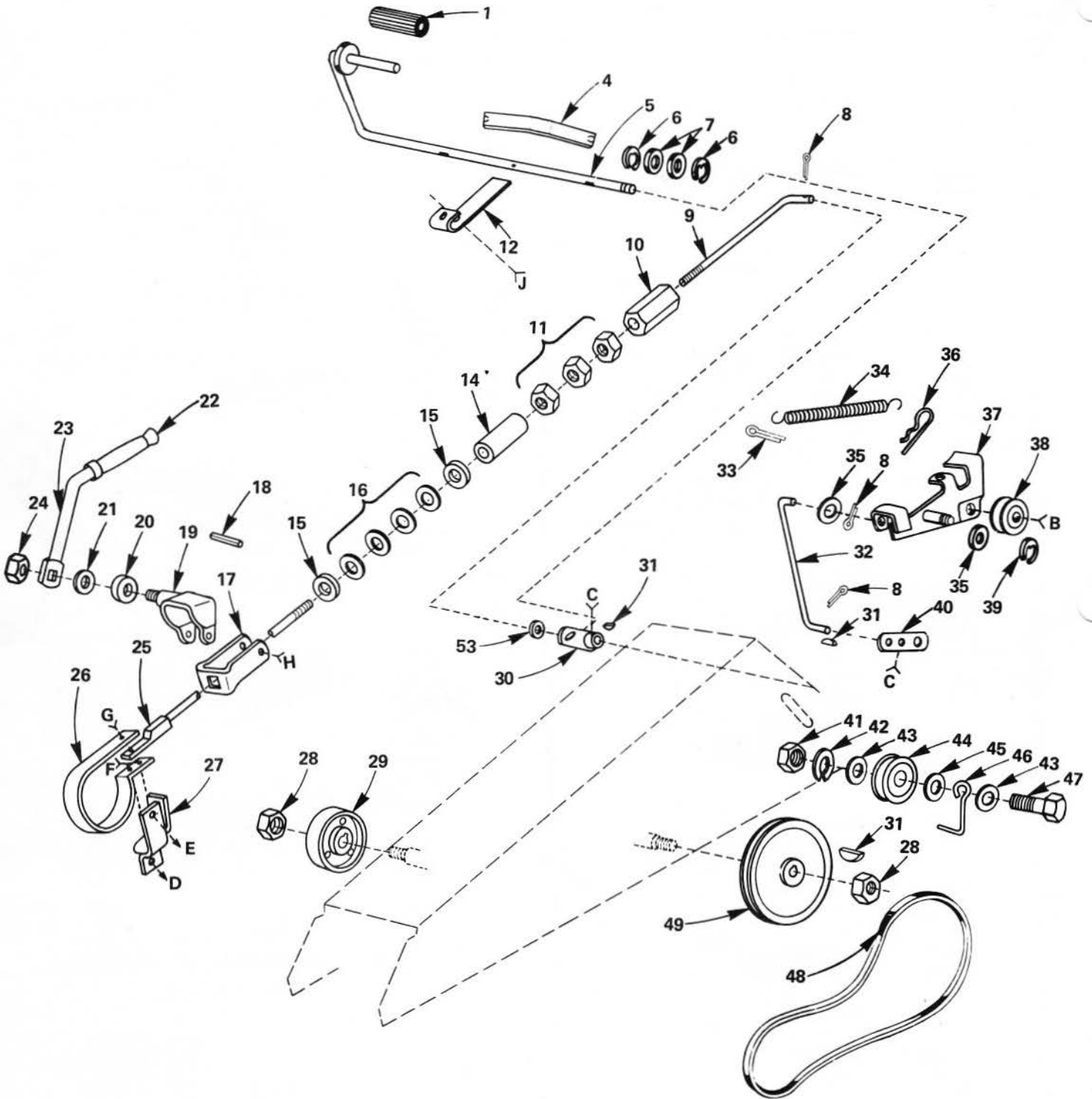
| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|----------------------------------|---------|----------|---|
| 1 | 7879R | Steering Wheel Insert | 46 | 61P | *Sq. Nk. Sht. Shld. Carr. Bolt 3/8 - 16 x 1 Gr. 5 |
| 2 | 3023P | *Hex Bolt 3/8 - 16 x 1 | 47 | 1513P | *Washer 13/32 x 13/16 x 16 Ga. |
| 3 | 1004P | *Lockwasher 3/8 | 48 | 1519P | *Washer 15/32 x 1 x 12 Ga. |
| 4 | 1559P | *Washer 7/16 x 1 x 10 Ga. | 49 | 5394H | Locknut 3/8 |
| 5 | 7893R | Steering Wheel <i>48.99</i> | 50 | 3137P | *Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5 |
| 6 | 5003P | E-Ring | 51 | 1557P | *Washer 13/32 x 13/16 x 11 Ga. |
| 7 | 9007H | Cap | 52 | 1004P | *Lockwasher 3/8 |
| 8 | 5949H | Rubber Bushing | 53 | 501P | *Hex Nut 3/8 - 16 |
| 9 | 7903R | Foot Rest - L.H. | 54 | 3252P | *Hex Bolt 3/8 - 16 x 1 - 1/2 |
| 9A | 7999R | Decal (Clutch-Brake) | 55 | 3022P | *Hex Bolt 3/8 - 16 x 7/8 |
| 10 | 7998R | Decal (Attach. Clutch) | 56 | 3010P | *Hex Bolt 5/16 - 18 x 3/4 |
| 11 | 7904R | Foot Rest - R.H. | 57 | 1003P | *Lockwasher 5/16 |
| 12 | 1552P | *Washer 49/64 x 1 - 1/4 x 16 Ga. | 58 | 19P | *Sq. Neck Carriage Bolt 3/8 - 16 x 3/4 |
| 13 | 9858M1 | *Woodruff Key 3/16 x 5/8 | 59 | 1304H | Hub Bolt |
| 14 | 634A775 | Steering Shaft and Pinion | 60 | 3034P | *Hex Bolt 7/16 - 14 x 1 |
| 15 | 7987R | Control Knob | 61 | 1001P | *Lockwasher 7/16 |
| 16 | 6442H | Shift Rod Bracket | 62 | 500P | *Hex Nut 7/16 - 14 |
| 17 | 2511P | *Cotter Pin 3/16 x 1 | 63 | 3003P | *Hex Bolt 1/4 - 20 x 3/4 |
| 18 | 634A22A | Belt Guide | 64 | 1506P | *Washer 9/32 x 5/8 x 16 Ga. |
| 19 | 6477H | Range Shift Rod | 65 | 1002P | *Lockwasher 1/4 |
| 20 | 6459H | Transmission Bracket | 66 | 503P | *Hex Nut 1/4 - 20 |
| 21 | 8357R | Fuel Tank Pad | 67 | 3074P | *Sltd. Truss Hd. Machine Screw 10 - 24 x 3/4 |
| 22 | 8246R | Rear Tire 23 x 8.50 - 12 | 68 | 1404P | *Ext. Tooth Lockwasher No. 10 |
| 23 | 795R | Tire Valve | 69 | 505P | *Hex Nut No. 10 - 24 |
| 24 | 2893R | Rear Wheel | 70 | 5P | *Short Shoulder Sq. Neck Carriage Bolt 5/16 - 18 x 3/4 |
| 25 | 8186R | Fender - R.H. | 71 | 1537P | *Washer 11/32 x 11/16 x 16 Ga. |
| 26 | 634A692 | Wheel Hub - Rear | 72 | 1685H | Lock Nut 5/16 - 18 |
| 27 | 7563R | Axle Thrust Washer | 73 | 3021P | *Hex Bolt 3/8 - 16 x 3/4 |
| 28 | 5845R | E-Ring | 74 | 25P | *Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5 |
| 29 | 8187R | Fender - L.H. | 75 | 1578P | *Washer 3/4 x 1 - 1 - 1/8 x 11 Ga. |
| 30 | 2656R | Bracket - Tail Light | 76 | 1560P | *Washer 17/32 x 1 - 1/2 x 11 Ga. |
| 31 | 634A823 | Seat Stop and Bracket | 77 | 1000P | *Lockwasher 1/2 |
| 32 | 634A824 | Fuel Tank Retainer and Pads | 78 | 502P | *Hex Nut 1/2 - 13 |
| 33 | 8141H | Seat Spring Reinforcement | 79 | 3159P | *Hex Bolt 5/16 - 18 x 7/8 |
| 34 | 7898R | Seat Spring | ---- | 7880R | Owners Manual |
| 35 | 634A776 | Seat Plate Weldment | | | |
| 36 | 634A532 | Seat Bracket Weldment | | | |
| 37 | 7897R | Bracket Seat Pivot | | | |
| 38 | 7934R | Seat <i>59.99</i> | | | |
| 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 | | | |

*STANDARD HARDWARE--PURCHASE LOCALLY

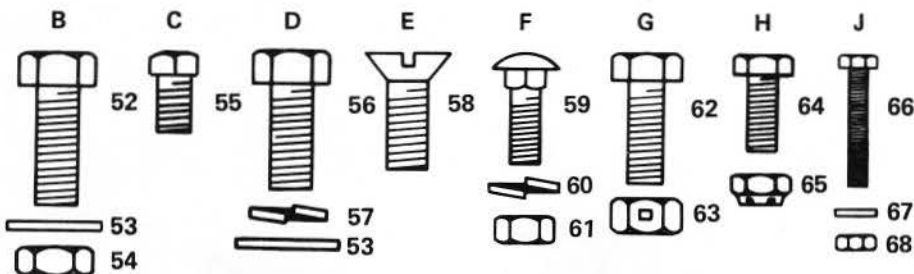
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REPAIR PARTS:
BRAKE AND CLUTCH

ST/12-GARDEN TRACTOR
MODEL NO. 917.25930



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REPAIR PARTS:

ST/12-GARDEN TRACTOR

BRAKE AND CLUTCH

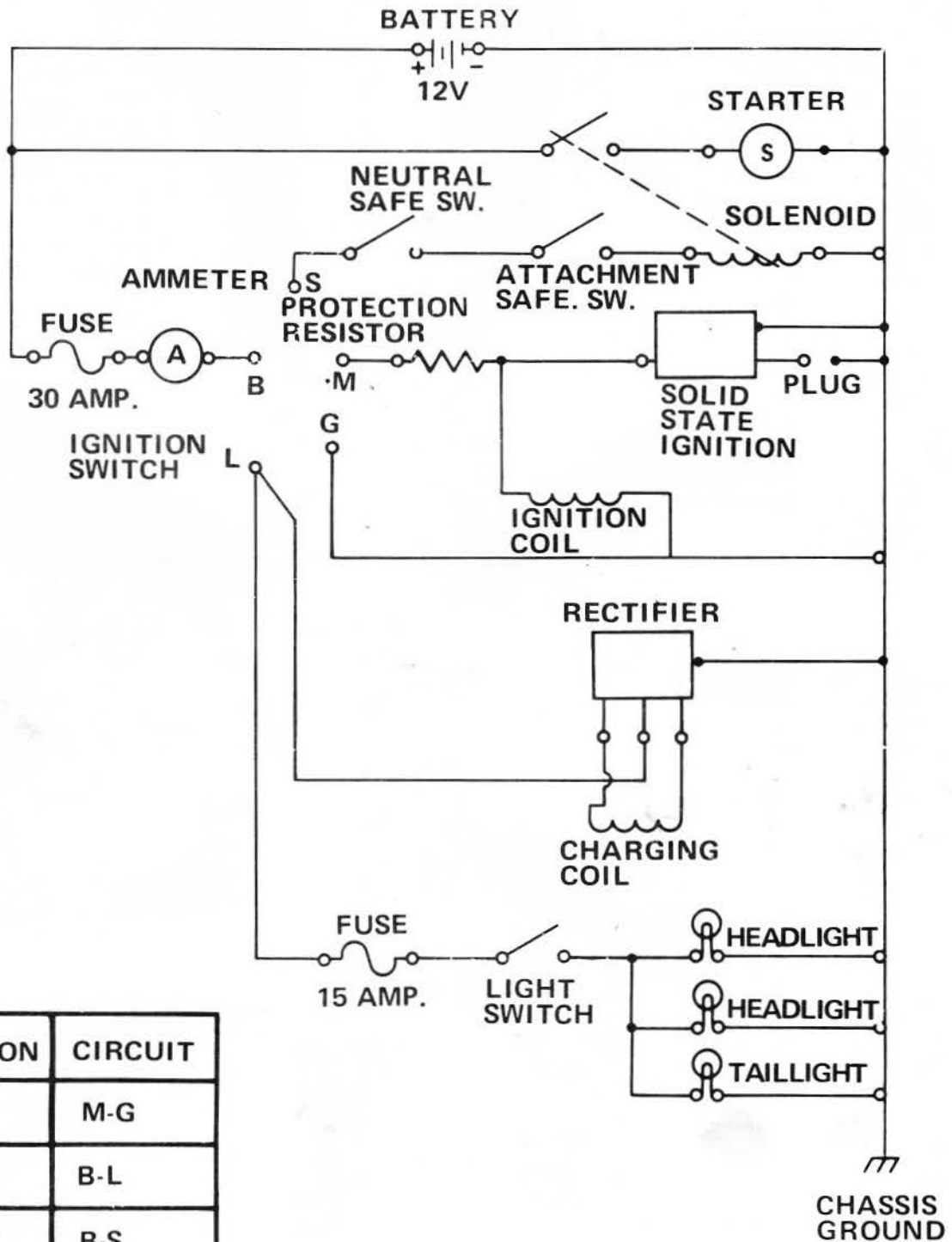
MODEL NO. 917.25930

| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|--------------------------------|---------|------------------|---|
| 1 | 8156H | Foot Pedal Cover <i>349</i> | 37 | 634A754 | Idler Bracket Weldment |
| 4 | 9008H | Spring | 38 | 634A86 | Idler, Bolt & Nut (Inc. Key No's 52, 53 & 54) |
| 5 | 634A757 | Foot Pedal Shaft Weldment | 39 | 5002P | E-Ring |
| 6 | 5001P | E-Ring | 40 | 626A31A | Steering Arm Assembly |
| 7 | 1527P | *Washer 21/32 x 7/8 x 16 Ga. | 41 | 500P | *Hex Nut 7/16 - 14 |
| 8 | 2505P | *Cotter Pin 1/8 x 3/4 | 42 | 1001P | *Lockwasher 7/16 |
| 9 | 2202R | Brake Rod - Front | 43 | 1518P | *Washer 15/32 x 11/16 x 16 Ga. |
| 10 | 6417H | Turnbuckle | 44 | 6635H | Flat Idler |
| 11 | 501P | *Hex Nut 3/8 - 16 | 45 | 1520P | Washer .469 I.D. x 1 - 1/8 x 11 Ga. |
| 12 | 7823R | Safety Start Actuator | 46 | 6479H1 | Belt Finger |
| 14 | 2201R | Bushing | 47 | 3262P | *Hex Bolt 7/16 - 14 x 2 - 1/2 |
| 15 | 1557P | *Washer 13/32 x 13/16 x 11 Ga. | 48 | 6474H | V-Belt <i>STD 325810</i> |
| 16 | 2263R | Spring Washer | 49 | 6461H2 | Pulley, Transmission |
| 17 | 2197R | Parking Brake Yoke | 52 | 3052P | *Fin. Hex Bolt 3/8 - 24 x 1 |
| 18 | 175H | Roll Pin | 53 | 1513P | *Washer 13/32 x 13/16 x 16 Ga. |
| 19 | 634A489 | Lock Bracket Assembly | 54 | 548P | *Hex Jam Locknut 3/8 - 24 |
| 20 | 2221R | Parking Brake Spacer | 55 | 4501P | *Sq. Hd. Set Screw 5/16 - 18 x 1/2 |
| 21 | 5999H | Spring Washer | 56 | 3022P | *Hex Bolt 3/8 - 16 x 7/8 |
| 22 | 4379H | Handle Grip | 57 | 1004P | *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 | 59 | 11P | *Sq. Neck Carriage Bolt 1/4 - 20 x 5/8 |
| 25 | 626A365 | Brake Rod Assembly | 60 | 1002P | *Lockwasher - 1/4 |
| 26 | 634A167 | Brake Band and Lining | 61 | 503P | *Hex Nut 1/4 - 20 |
| 27 | 634A168 | Brake Bracket Assembly | 62 | 3159P | *Hex Bolt 5/16 - 18 x 7/8 |
| 28 | 9204H | Lock Nut 1/2 - 20 | 63 | 1685H | Locknut 5/16 - 18 |
| 29 | 7648H1 | Brake Drum | 64 | 3244P | *Hex Bolt 1/4 - 28 x 5/8 Gr. 5 |
| 30 | 634A33A | Brake Arm Assembly | 65 | 9071H | Huglock Nut 1/4 - 28 |
| 31 | 9858M1 | Woodruff Key | 66 | 3326P | Hex Hd. Mach. Screw 6 - 32 x 1 |
| 32 | 2645R | Clutch Rod | 67 | 1567P | Flat Washer 5/32 x 3/8 x 20 Ga. |
| 33 | 2514P | *Cotter Pin 1/4 x 1 | 68 | 562P | Center Locknut 6 - 32 |
| 34 | 6486H | Spring | | | |
| 35 | 1545P | *Washer 17/32 x 1 x 16 Ga. | | | |
| 36 | 4939M | Retainer Spring | | | |

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

SCHEMATIC DIAGRAM



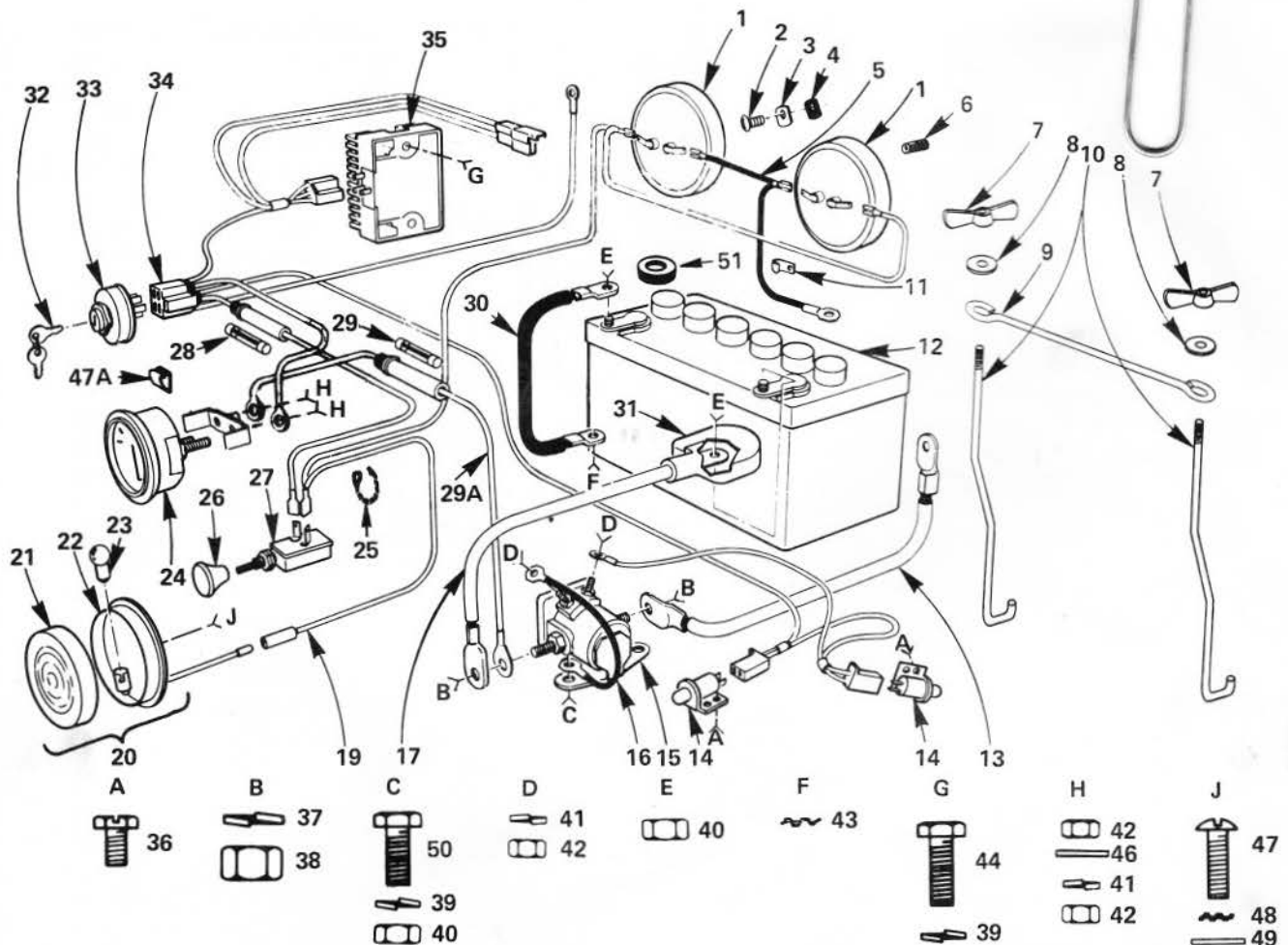
| POSITION | CIRCUIT |
|----------|---------|
| OFF | M-G |
| RUN | B-L |
| START | B-S |

REPAIR PARTS:

ST/12-GARDEN TRACTOR

ELECTRICAL

MODEL NO. 917.25930

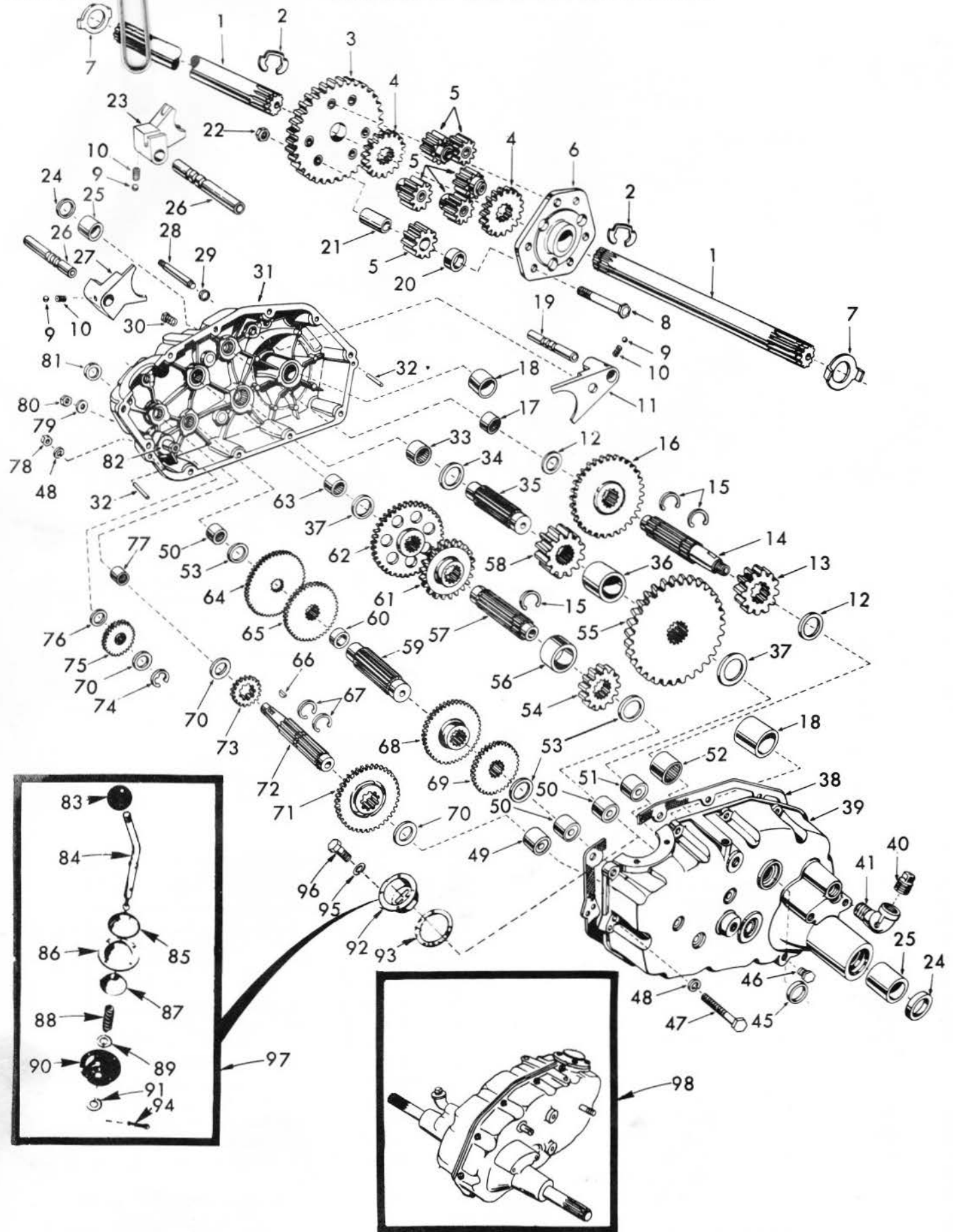


| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|--|---------|----------|---|
| 1 | 6452R | Headlight | 27 | 7793R | Light Switch |
| 2 | 5554P | Phillips Pan Hd. Thd. Cutting Screw No. 10 - 16 x 1/2 | 28 | 2212R | Fuse - 15 Amp. |
| 3 | 8768H | Mounting Clip | 29 | 6347R | Fuse - 30 Amp. |
| 4 | 8784H1 | Rubber Spacer | 29A | 8113R | Fuse Harness |
| 5 | 8031R | Headlight Ground Wire | 30 | 2753R | Battery Cable - Ground |
| 6 | 9197H | Hose | 31 | 7761R | Terminal Cover |
| 7 | 3748M | Wing Nut 1/4 - 20 | 32 | 7552H | Key Set |
| 8 | 1509P | Washer 5/16 x 3/4 x 16 Ga. | 33 | 4406R | Ignition Switch |
| 9 | 5110H | Battery Clamp | 34 | 7884R | Main Ignition Harness |
| 10 | 2685R | Battery Bolt | 35 | 7809R | Regulator - Rectifier |
| 11 | 4171R | Insulated Clip | 36 | 5534P | Slotted Hex Indented Hd. Self Tapping Screw Type 1 No. 10 - 24 x 3/8 |
| 12 | 5111H3 | Battery | 37 | 1003P | *Lockwasher 5/16 |
| 13 | 2235R | Cable - Solenoid to Starter | 38 | 538P | *Hex Jam Nut 5/16 - 24 |
| 14 | 7755R | Safety Switch | 39 | 1002P | *Lockwasher 1/4 |
| 15 | 7754R | Solenoid | 40 | 503P | *Hex Nut 1/4 - 20 |
| 16 | 8027R | Wire - Ground to Solenoid | 41 | 1006P | *Lockwasher No. 10 |
| 17 | 2226R | Battery Cable | 42 | 543P | *Hex Nut No. 10 - 32 |
| 19 | 8030R | Light Harness | 43 | 1402P | *Ext. Tooth Lockwasher 3/8 |
| 20 | 8089H | Tail Light (Inc. Key No. 21, 22, 23) | 44 | 3003P | *Hex Bolt 1/4 - 20 x 3/4 |
| 21 | 8292H | Lens - Taillight | 45 | 505P | *Hex Nut No. 10 - 24 |
| 22 | 8293H | Housing - Taillight | 46 | 1583P | Brass Washer No. 10 |
| 23 | 8291H | Bulb No. 1895 2 Candle Power | 47 | 3074P | *Sltd. Truss Hd. Mach. Scr. 10 - 24 x 3/4 |
| 24 | 7989R | Ammeter & Bracket | 47A | 8615R | Clip |
| 25 | 2777R | Tie | 48 | 1404P | *Ext. Tooth Lockwasher No. 10 |
| 26 | 7794R | Light Switch Knob | 49 | 1504P | *Washer 7/32 x 1/2 x 18 Ga. |
| | | | 50 | 3115P | *Hex Bolt 1/4 - 20 x 5/8 |
| | | | 51 | 8355R | Gasket, Battery Cap |

REPAIR PARTS:

ST/12-GARDEN TRACTOR MODEL NO. 917.25930

TRANSAXLE



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REPAIR PARTS:

ST/12-GARDEN TRACTOR

TRANSAXLE

MODEL NO. 917.25930

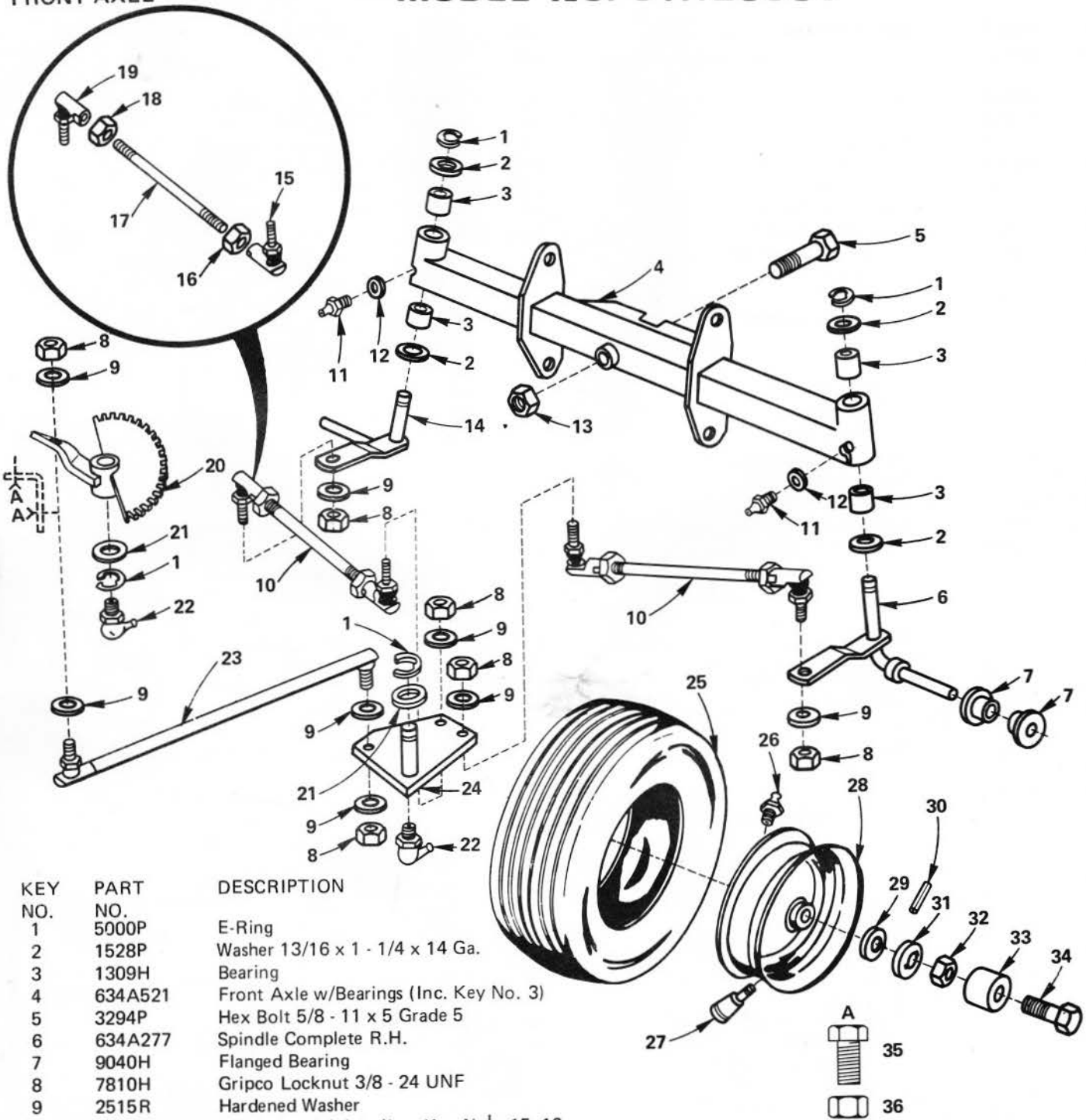
| KEY NO. | PART NO. | DESCRIPTION | KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|--|---------|----------|--|
| 1 | 4202R | Axle Shaft | 49 | 4895H | Needle Bearing |
| 2 | 5845R | Retaining Ring | 50 | 4222R | Needle Bearing |
| 3 | 4199R | Final Drive Gear | 51 | 1529R | Needle Bearing |
| 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 | 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 | 633A11 | Intermediate and High Speed Pinions Cluster Gear |
| 24 | 7393R | Oil Seal | 72 | 4193R | Input Shaft |
| 25 | 992R1 | Sintered Iron Bearing | 73 | 4201R | Low Speed Pinion |
| 26 | 6216H | Shift Fork Shaft | 74 | 5001P | 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 | 504P | *Hex Nut 5/16 - 18 UNC |
| 31 | 633A28A | 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 | 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 | 633A27 | 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 - 14 N.P.T. | 89 | 1544P | *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 | 1569P | Washer 9/16 x 15/16 x 11 Ga. |
| 47 | 3087P | *Hex Bolt 5/16 - 18 UNC x 1-1/2 Grade 5 H.T. | 92 | 633A19 | Gear Shift Gate and Reinforcement |
| 48 | 1007P | *Lockwasher 5/16 Extra Heavy | 93 | 6274H | Shift Ball Cover Gasket |
| | | | 94 | 2505P | *Cotter 1/8 x 3/4 |
| | | | 95 | 1003P | *Lockwasher 5/16 |
| | | | 96 | 3159P | *Hex Bolt 5/16 - 18 UNC x 7/8 |
| | | | 97 | 633A82 | Gear Shift Lever Ass'y. |
| | | | 98 | 633A78 | Transaxle Assembly Less Brake Drum & Shift Lever |

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS:

ST/12-GARDEN TRACTOR MODEL NO. 917.25930

FRONT AXLE



| KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|---|
| 1 | 5000P | E-Ring |
| 2 | 1528P | Washer 13/16 x 1 - 1/4 x 14 Ga. |
| 3 | 1309H | Bearing |
| 4 | 634A521 | Front Axle w/Bearings (Inc. Key No. 3) |
| 5 | 3294P | Hex Bolt 5/8 - 11 x 5 Grade 5 |
| 6 | 634A277 | Spindle Complete R.H. |
| 7 | 9040H | Flanged Bearing |
| 8 | 7810H | Gripco Locknut 3/8 - 24 UNF |
| 9 | 2515R | Hardened Washer |
| 10 | 7838R | Tie Rod and Joints (Inc. Key No's. 15, 16, 17, 18 & 19) |
| 11 | 6855M | Grease Fitting |
| 12 | 1505P | Washer 9/32 x 1/2 x 14 Ga. |
| 13 | 4764H | Huglock Nut 5/8 x 11 UNC |
| 14 | 634A278 | Spindle Complete L.H. |
| 15 | 8515R | Tie Rod Joint (R.H. Thread) |
| 16 | 558P | Hex Jam Nut 1/2 - 20 (R.H. Thread) |
| 17 | 634A819 | Tie Rod and Nuts (Inc. Key No's. 16 & 18) |
| 18 | 559P | Hex Jam Nut 1/2 - 20 (L.H. Thread) |
| 19 | 8514R | Tie Rod Joint (L.H. Thread) |
| 20 | 634A813 | Steering Gear Sector and Arm |
| 21 | 1552P | Washer 49/64 x 1 - 1/4 x 16 Ga. |
| 22 | 6842M | Grease Fitting |
| 23 | 7837R | Drag Link and Joints |
| 24 | 634A98 | Steering Bell Crank Weldment |
| 25 | 2795R | Front Tire - Tubeless |

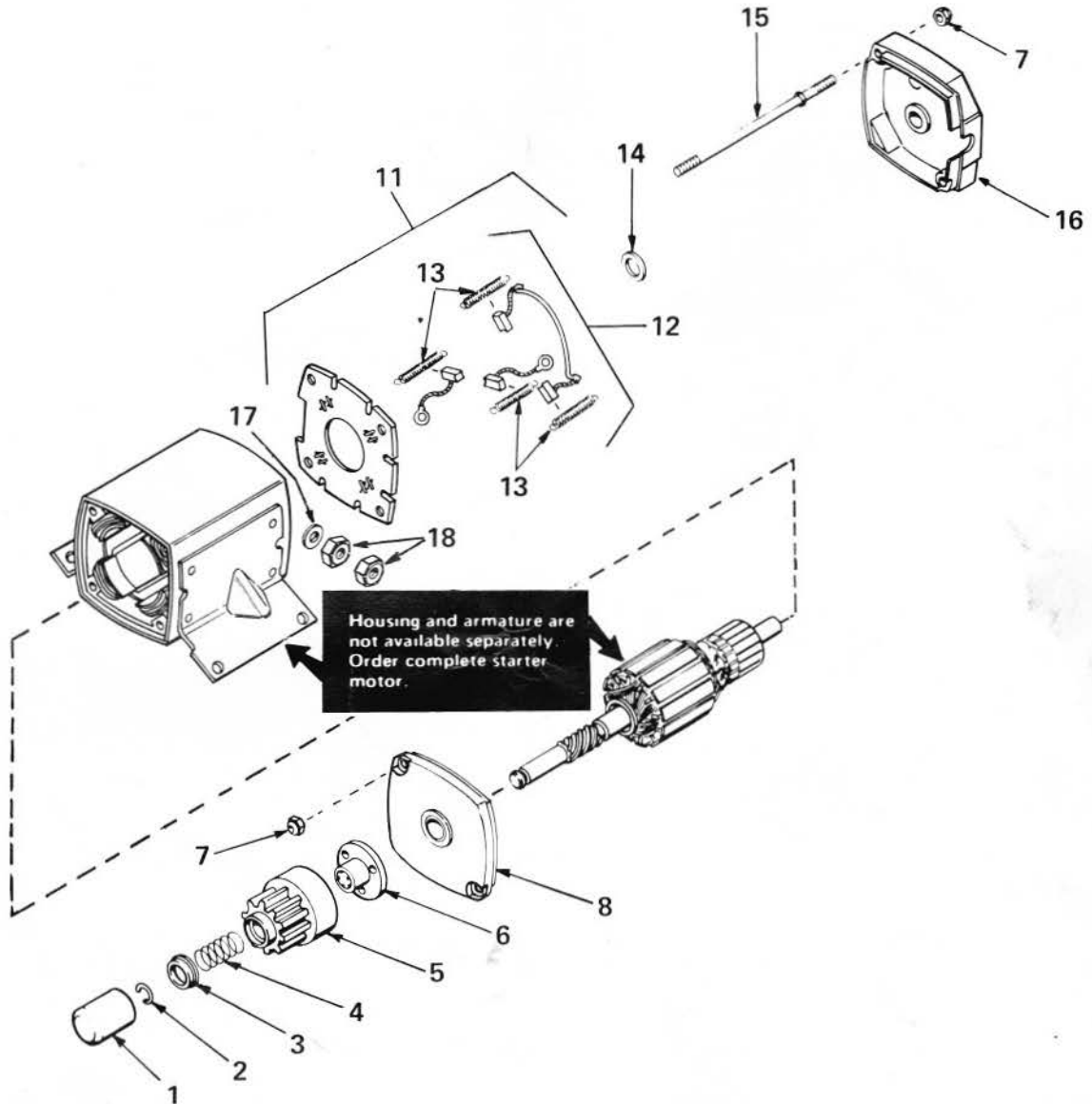
| KEY NO. | PART NO. | DESCRIPTION |
|---------|----------|-------------------------------------|
| 26 | 6856M | Grease Fitting 1/4 - 28 Taper Thrd. |
| 27 | 795R | Tire Valve |
| 28 | 2891R | Front Wheel and Bearings |
| 29 | 1562P | Washer 25/32 x 1 - 1/2 x 16 Ga. |
| 30 | 8798H | *Roll Pin 5/32 x 1 |
| 31 | 8785H | Wear Washer |
| 32 | 4831H | Elastic Nut 3/4 - 16 UNF |
| 33 | 8763H | Dust Cap-Outer |
| 34 | 3008P | Hex Bolt 5/16 - 18 x 1/2 |
| 35 | 3052P | *Hex Bolt 3/8 - 24 x 1 |
| 36 | 515P | *Hex Nut 3/8 - 24 |

*STANDARD HARDWARE--PURCHASE LOCALLY

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REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

STARTER MOTOR NO. 33835



| Ref. No. | Part No. | Part Name | Ref. No. | Part No. | Part Name |
|----------|----------|----------------------------------|----------|----------|---|
| | 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) | | | |

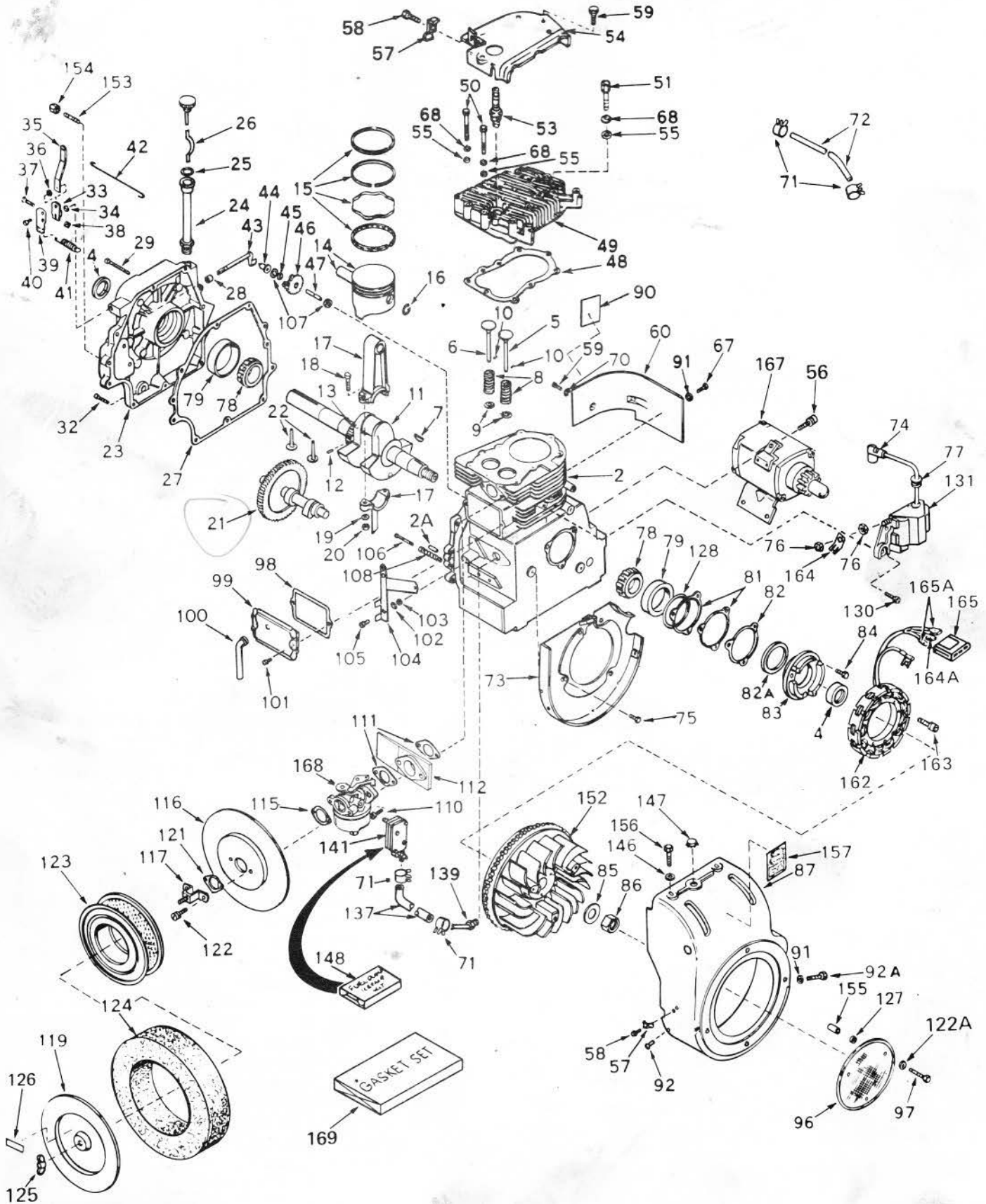
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REPAIR PARTS:

**ST/12-GARDEN TRACTOR
MODEL NO. 917.25930**

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.662012



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REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

833 4323

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.662012

| Ref. No. | Part No. | Part Name | Ref. No. | Part No. | Part Name |
|----------|----------|--|----------|----------|--|
| 1 | 662012 | Complete Engine | 34 | 29193 | Ring, Retaining |
| 2 | 33042 | Cylinder Assy. (Incl. Nos. 2A, 4 & 47) | 35 | 31963 | Lever, Governor adjusting |
| 2A | 27652 | Pin, Dowel | 36 | 650518 | Lockwasher, No. 10 E.T. |
| 4 | 31950 | Seal, Oil | 37 | 650544 | Screw, Fil. flex hd. self-locking, 10-24 x 7/8 |
| 5 | 31940 | Valve, Intake (Standard) | 38 | 7975 | Nut, Square, 10-24 |
| 5 | 31941 | Valve, Intake (1/32" oversize) (Incl. No. 9) | 39 | 31965 | Plate, Governor spring |
| 6 | 31942 | Valve, Exhaust (Standard) | 40 | 30312 | Screw, Hex slotted washer hd., Sems, 10-32 x 1/2 |
| 6 | 31943 | Valve, Exhaust (1/32" oversize) (Incl. No. 9) | 41 | 31967 | Spring, Governor |
| 7 | 650592 | Key, Flywheel | 42 | 31968 | Link, Governor |
| 8 | 31944 | Spring, Valve | 43 | 32425 | Rod Assy., Governor |
| 9 | 31945 | Cap, Lower valve spring (Std.) | 44 | 31948 | Spool, Governor |
| 9 | 31946 | Cap, Lower valve spring (1/32" oversize) | 45 | 29193 | Ring, Retaining |
| 10 | 20810 | Pin, Valve spring retaining | 46 | 31947 | Gear Assy., Governor |
| 11 | 33390A | Crankshaft Assy. (Incl. Nos. 12, 13, 78 & 79) | 47 | 31930 | Shaft, Mechanical governor |
| 12 | 29783 | Pin, Crankshaft gear | 48 | *32246A | Gasket, Cylinder head |
| 13 | 31931 | Gear, Crankshaft | 49 | 33034 | Head, Cylinder |
| 14 | 32238 | Piston & Pin Assy. (Incl. 2 of No. 16) (Standard) | 50 | 650711 | Screw, Hex hd. cap, 5/16-18 x 1-5/8 |
| 14 | 32239 | Piston & Pin Assy. (Incl. 2 of No. 16) (.010 oversize) | 51 | 650714 | Screw, Special hex hd. cap, 5/16-18 x 1-5/8 |
| 14 | 32240 | Piston & Pin Assy. (Incl. 2 of No. 16) (.020 oversize) | 53 | 33636 | Plug, Spark |
| 14 | 32621 | Piston & Pin Assy. (Incl. 2 of No. 16) (.030 oversize) | 54 | 33035 | Cover, Cylinder head |
| 14 | 32622 | Piston & Pin Assy (Incl. 2 of No. 16) (.040 oversize) | 55 | 650691 | Washer, Flat |
| 15 | 32241 | Ring Set, Piston (Standard) | 56 | 650781 | Screw, Hex hd. cap, Sems, 5/16-18 x 11/16 |
| 15 | 32242 | Ring Set, Piston (.010 oversize) | 57 | 27793 | Clip, Conduit |
| 15 | 32243 | Ring Set, Piston (.020 oversize) | 58 | 28942 | Screw, Hex slotted hd. Sems, 10-32 x 3/8 |
| 15 | 32625 | Ring Set, Piston (.030 oversize) | 59 | 650128 | Screw, Fil. slotted hd. Sems, 10-24 x 1/2 |
| 15 | 32626 | Ring Set, Piston (.040 oversize) | 60 | 31976 | Extension, Blower housing |
| 16 | 31919 | Ring, Piston pin retaining | 67 | 30688 | Screw, Hex hd. cap, Sems, 1/4-20 x 1/2 |
| 17 | 33093A | Rod Assy., Connecting (Incl. Nos. 18, 19 & 20) | 68 | 650690 | Washer, Belleville |
| 18 | 32077 | Bolt, Connecting rod | 70 | 28537 | Washer, Flat |
| 19 | 26073 | Washer, Connecting rod | 71 | 26460 | Clamp, Fuel line |
| 20 | 28264 | Nut, Lock, 5/16-24 | 72 | 30962 | Line, Fuel |
| 21 | 32150 | Camshaft (Mech. Compression Release) | 73 | 32579 | Baffle, Blower housing |
| 22 | 31939 | Lifter, Valve | 74 | 610118 | Cover, Spark plug |
| 23 | 32685 | Cover, Cylinder (Incl. Nos. 4, 28, 34 & 43) | 75 | 650561 | Screw, Phil. hex hd. Sems, 1/4-20 x 5/8 |
| 24 | 33893 | Tube, Oil filler | 76 | 650124 | Nut, Hex 10-32 |
| 25 | 33590 | "O" Ring | 77 | 610750 | Grommet, Lead wire |
| 26 | 33984 | Dipstick Assy., Oil (Incl. No. 25) | 78 | 31932 | Bearing, Tapered roller |
| 27 | *31956 | Gasket, Cylinder cover | 79 | 31928 | Cup, Bearing |
| 28 | 32426 | Spacer, Governor rod | 81 | *31971 | Gasket, Shim (.004/.005 thick, see note 1) |
| 29 | 650588 | Screw, Hex hd. Sems, 1/4-20 x 2 | 82 | *31972 | Gasket, Shim (.005/.007 thick, see note 1) |
| 32 | 30564 | Screw, Hex hd. cap Sems, 1/4-20 x 1 | 82A | 32031 | Spacer, Steel (.010 thick, see note 1) |
| 33 | 31964 | Clamp, Governor lever | 83 | 32577 | Cover, Cylinder (See note 1) |

*Indicates Parts Included in Gasket Set, Ref. No. 169.

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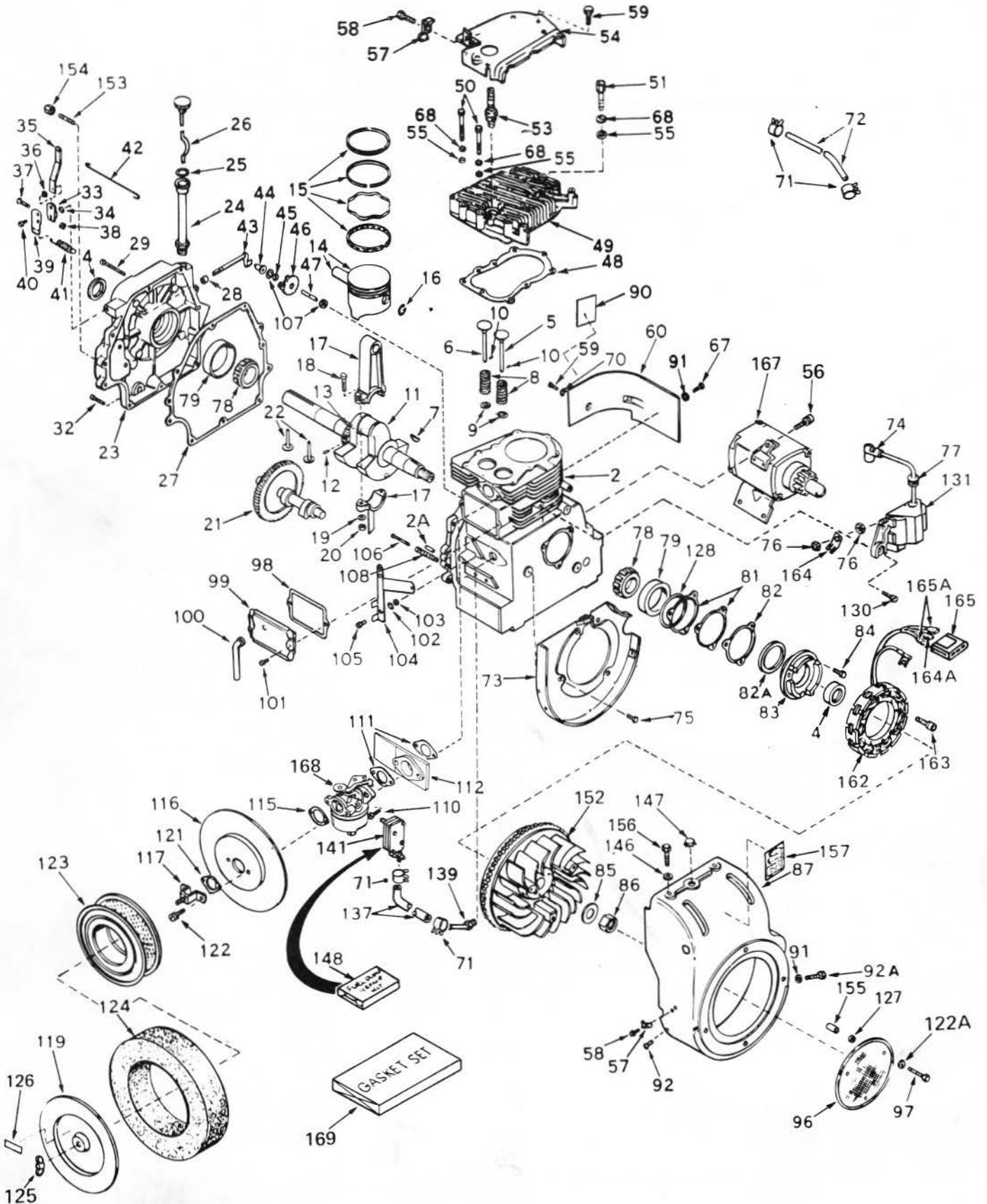
REPAIR PARTS:

ST/12-GARDEN TRACTOR

MODEL NO. 917.25930

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.662012



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REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

CRAFTSMAN 4-CYCLE ENGINE

MODEL NUMBER: 143.662012

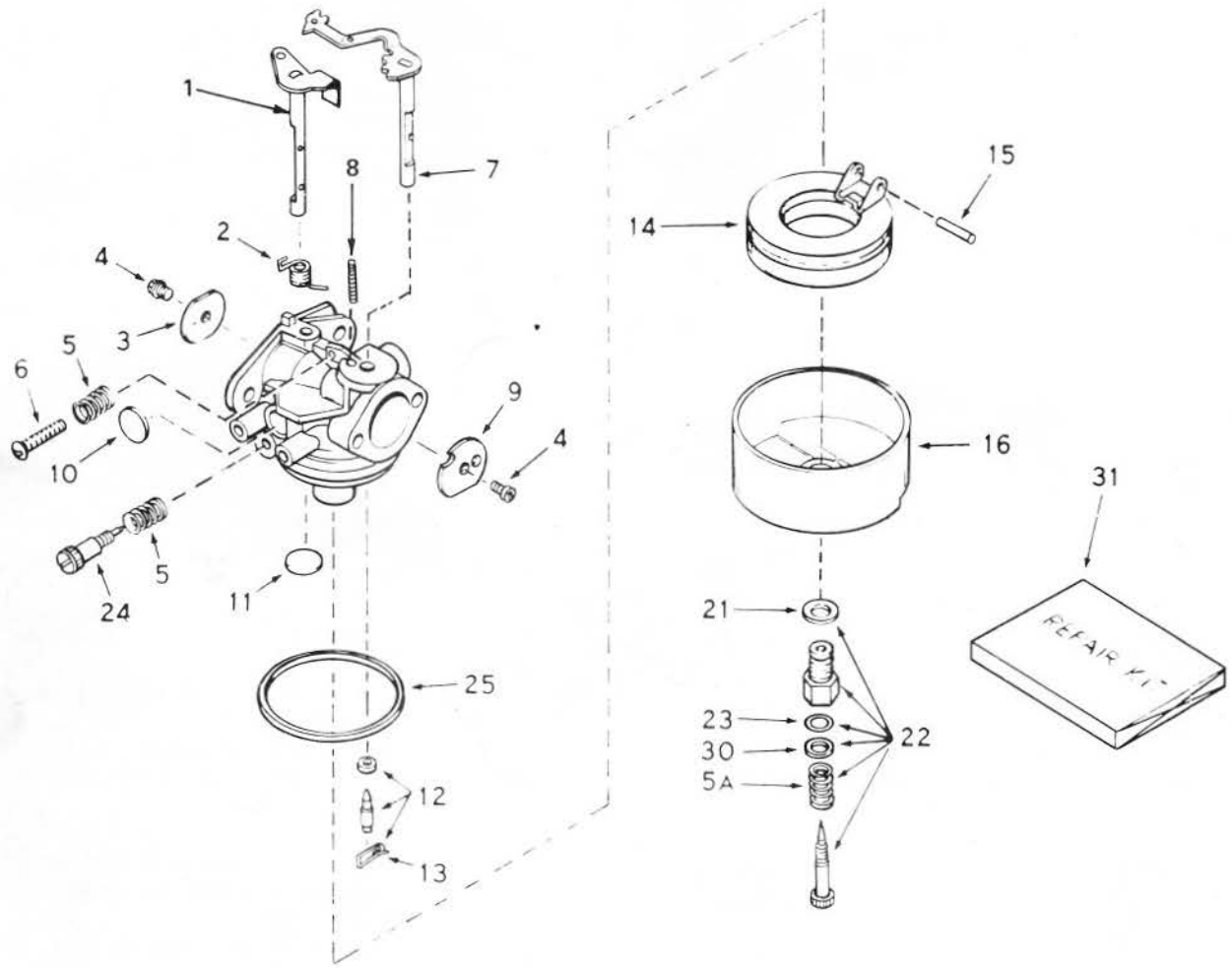
| Ref. No. | Part No. | Part Name | Ref. No. | Part No. | Part Name |
|----------|----------|---|----------|---------------|--|
| 84 | 650512 | Screw, Hex hd. Sems, 5/16-18 x 7/8 | 130 | 650661 | Screw, Phil. fil. hd. Sems, 1/4-20 x 3/4 |
| 85 | 650666 | Washer, Lock | 131 | <u>610906</u> | Magneto, Solid state (Incl. Nos. 74, 76, 77 & 164) |
| 86 | 650594 | Nut, Flywheel, 3/4-16 | 137 | 29774 | Line, Fuel |
| 87 | 33044A | Housing, Blower (Incl. No. 73) | 139 | 32958 | Fitting, Fuel |
| 90 | 30592 | Decal, Name & Instruction | 141 | 32959 | Pump, Fuel |
| 91 | 8274 | Lockwasher, Split, 5/16" | 146 | 26073 | Washer |
| 92 | 650624 | Screw, Hex hd. cap, 5/16-24 x 9/16 | 147 | 33038 | Plug, Button |
| 92A | 650595 | Screw, Hex hd. cap, 5/16-24 x 3/8 | 148 | 33010 | Fuel Pump Repair Kit |
| 96 | 33776 | Screen, Starter pulley | 152 | 610901 | Flywheel |
| 97 | 650670 | Screw, Truss hd. mach., 1/4-20 x 3/4 | 153 | 32438 | Nipple, Pipe (Oil drain) |
| 98 | *31958 | Gasket, Breather | 154 | 32154 | Cap, Nipple |
| 99 | 31957 | Breather Assembly | 155 | 32426 | Spacer, Screen |
| 100 | 27627 | Tube, Breather | 156 | 650713 | Screw, Hex hd. cap, 5/16-18 x 5/8 |
| 101 | 650128 | Screw, Fil. slotted hd. Sems, 10-24 x 1/2 | 157 | 32730 | Decal, Solid state |
| 102 | 28558 | Washer, Wave | 162 | 610902 | Coil Assy., Alternator (Incl. Nos. 164A, 165 & 165A) |
| 103 | 31966 | Bushing, Governor lever | 163 | 650521 | Screw, Phil. fil. hd. Sems, 10-32 x 1-1/8 |
| 104 | 31984A | Lever, Control | 164 | 610908 | Terminal |
| 105 | 650597 | Screw, Hex washer hd., mach., 10-24 x 5/8 | 164A | 610904 | Terminal |
| 106 | 650591 | Screw, Fil. slotted hd. mach., 10-24 x 2 | 165 | 610903 | Connector |
| 107 | 30590A | Washer, Flat | 165A | 610905 | Terminal |
| 108 | 33099 | Spring, Locking | 167 | 33835 | Motor, Starter (12 Volt) (Incl. No. 56) |
| 110 | 650451 | Screw, Fil. flex hd. self-locking, 1/4-20 x 1 | 168 | 631878 | Carburetor (Incl. No. 111) |
| 111 | *33861 | Gasket, Carburetor | 169 | 33237A | Gasket Set (Incl. items marked *) |
| 112 | 34061 | Baffle, Air | | | |
| 115 | *27272 | Gasket, Air cleaner | | | |
| 116 | 34071 | Bracket, Air cleaner | | | |
| 117 | 32907A | Bracket Assy., Air cleaner | | | |
| 119 | 32904 | Cover, Air cleaner | | | |
| 121 | 30767 | Spacer, Cleaner | | | |
| 122 | 650399 | Screw, Phil. fil. hd. Sems, 10-32 x 5/8 | | | |
| 122A | 27070 | Washer, Lock | | | |
| 123 | 32008 | Element, Air cleaner | | | |
| 124 | 32906 | Filter, Pre air | | | |
| 125 | 650513 | Nut, Wing, 1/4-20 | | | |
| 126 | 32954 | Decal, Air cleaner | | | |
| 127 | 650675 | Washer, Flat | | | |
| 128 | 32599 | "O" Ring | | | |

*Indicates Parts Included in Gasket Set, Ref. No. 169.

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 a .010" thick. Steel spacers must be used as required to eliminate crankshaft end play.

REPAIR PARTS: ST/12-GARDEN TRACTOR MODEL NO. 917.25930

CARBURETOR NO. 631878



| Ref. No. | Part No. | Part Name |
|----------|----------|----------------------------------|
| 1 | 631878 | Carburetor |
| | 631879 | Shaft & Lever Assembly, Throttle |
| 2 | 631777 | Spring, Throttle return |
| 3 | 631778 | Shutter, Throttle |
| 4 | 650506 | Screw, Rd. hd. 4-40 x 3/16 |
| 5 | 630766 | Spring, Idle regulating screw |
| 5A | 630738 | Spring, Main adjustment screw |
| 6 | 650417 | Screw, Idle regulating |
| 7 | 631880 | Shaft & Lever Assembly, Choke |
| 8 | 630735 | Spring, Choke return |
| 9 | 631881 | Shutter, Choke |
| 10 | *630748 | Plug, Welch |
| 11 | *631027 | Plug, Welch |

| Ref. No. | Part No. | Part Name |
|----------|----------|--|
| 12 | *631021 | Inlet Needle, Seat & Clip, Assembly (Incl. No. 13) |
| 13 | 631022 | Clip, Inlet needle |
| 14 | 631023 | Float, Carburetor |
| 15 | *631024 | Shaft, Float |
| 16 | 631700 | Bowl, Float |
| 21 | 631334 | Gasket, Bowl-to-body |
| 22 | *631861 | Adjustment Screw Assembly, Main (Incl. Nos. 5A, 21, 23 & 30) |
| 23 | 630740 | "O" Ring, Adjustment screw |
| 24 | *630898 | Screw, Idle adjustment |
| 25 | *631028 | Gasket, Bowl-to-body |
| 30 | 630739 | Washer, Flat |
| 31 | 631862 | Repair Kit (Incl. items marked *) |



**MODEL NO.
917.25930**

HOW TO ORDER REPAIR PARTS

MODEL NUMBER

The Model Number will be found on the Model Plate attached to the Chassis Channel, in front of the Seat. 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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