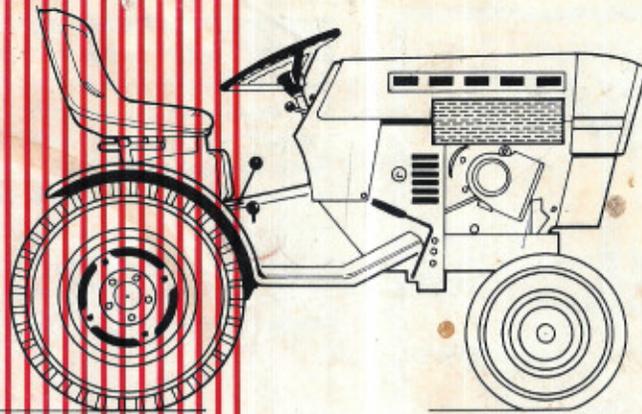


Sears

**MODEL NO.
917.25950**

SER 10119



OWNER'S MANUAL

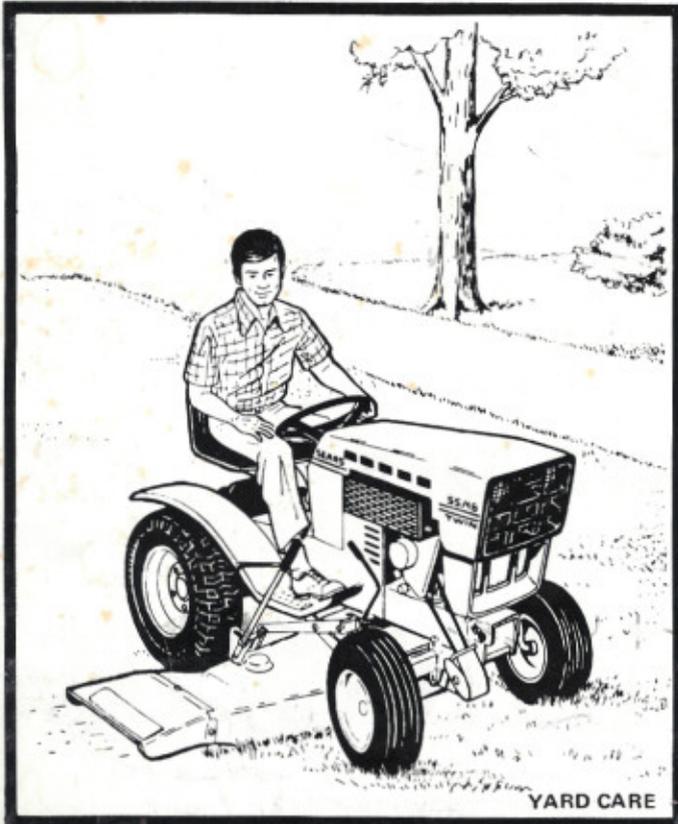
SS/16 TWIN
GARDEN TRACTOR

**Assembly
Maintenance**

**Operation
Repair Parts**



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



YARD CARE

CONGRATULATIONS on your purchase of a Sears SS/16 Twin 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 SS/16 TWIN GARDEN TRACTOR FEATURES...

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

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

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

CONTROL PANEL--with Throttle, Choke, Light Switch, Ignition Switch 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.

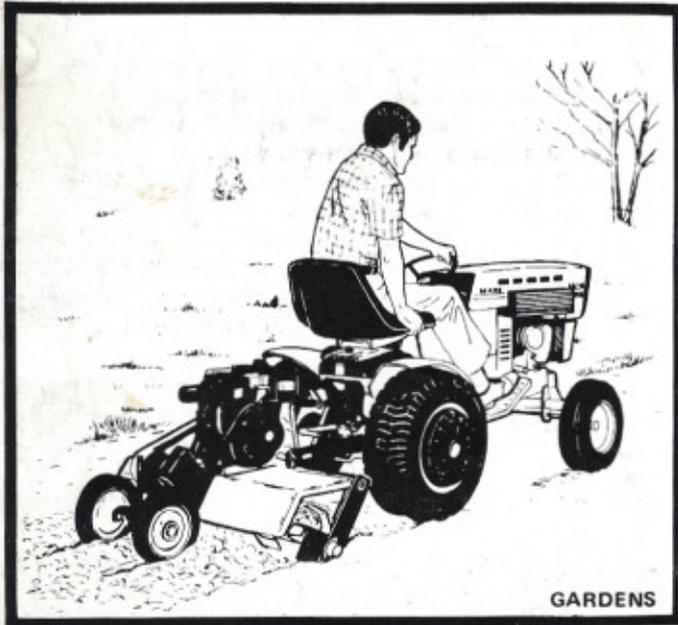
LITTER WHISK LAWN SWEEPER is more efficient than conventional lawn sweepers because of its wheel-less design; only the rotary brush touches the ground.

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

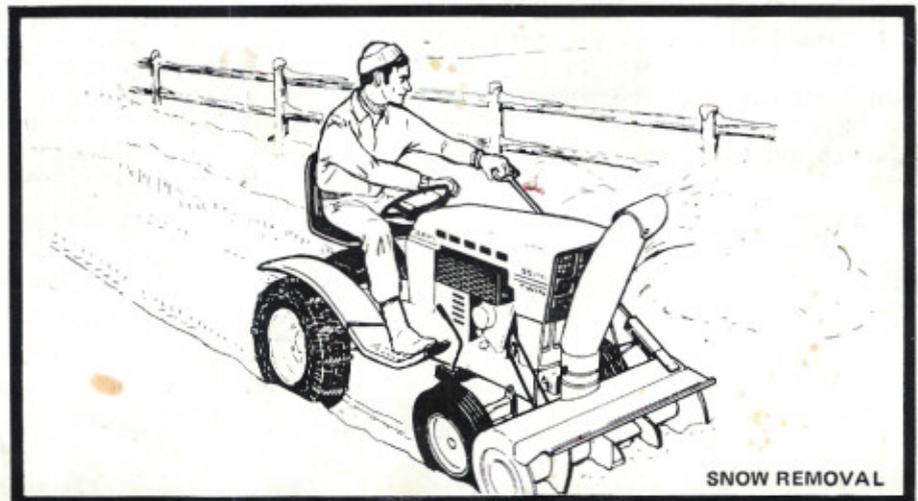
OTHER SOIL TILLAGE ATTACHMENTS including Plow, Disc Harrow, Drag Harrow and Cultivator.

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

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



GARDENS



SNOW REMOVAL

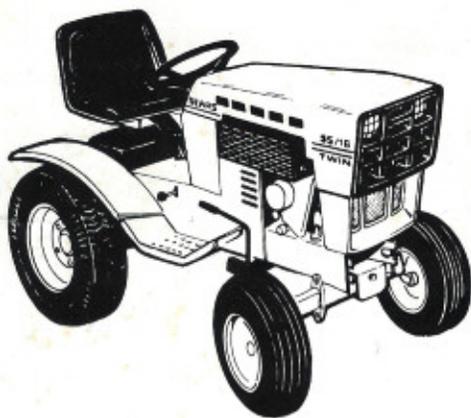


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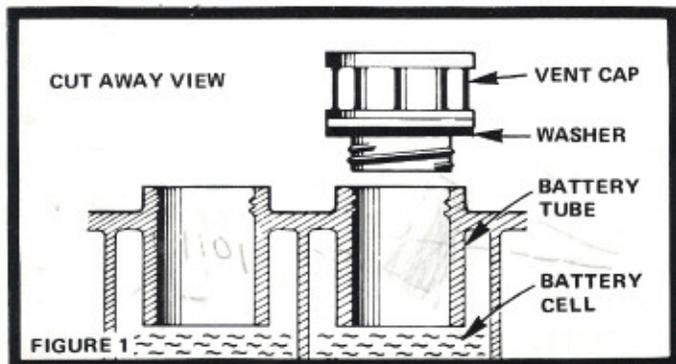
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RULES FOR SAFE OPERATION

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 going uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face.
11. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in the terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
 - a. Use only approved drawbar hitch points.
 - b. Limit loads to those you can safely control.
 - c. Do not turn sharply. Use care when backing.
 - d. Use counterweights or wheel weights when suggested in this owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
16. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline 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 make a cutting height adjustment while the engine is running if 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.



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, Seat 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.

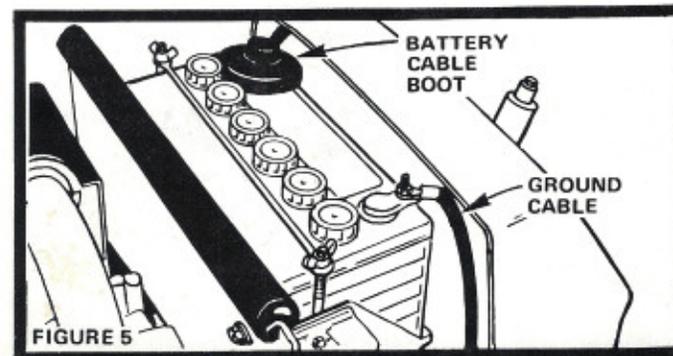
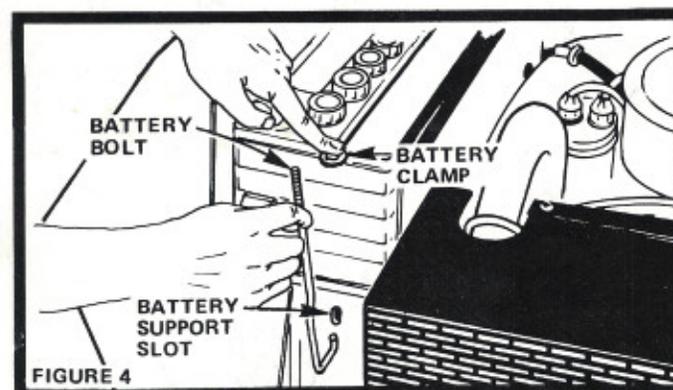
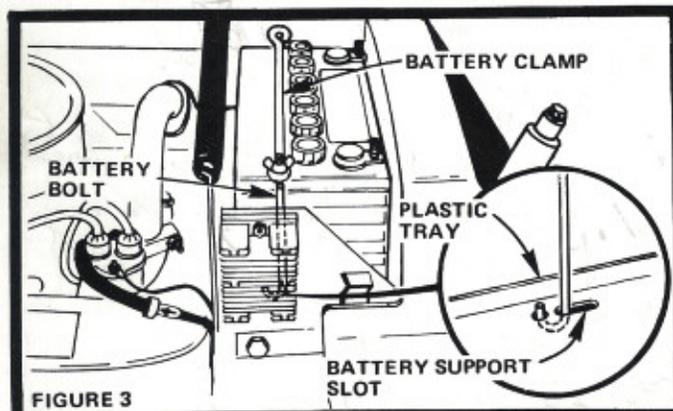
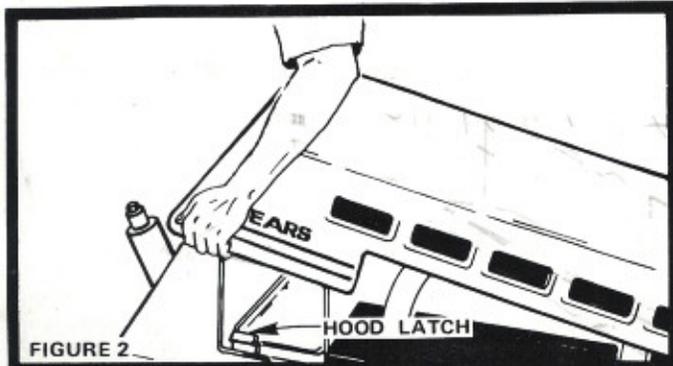
- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten vent caps securely, with washers in place.
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



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.



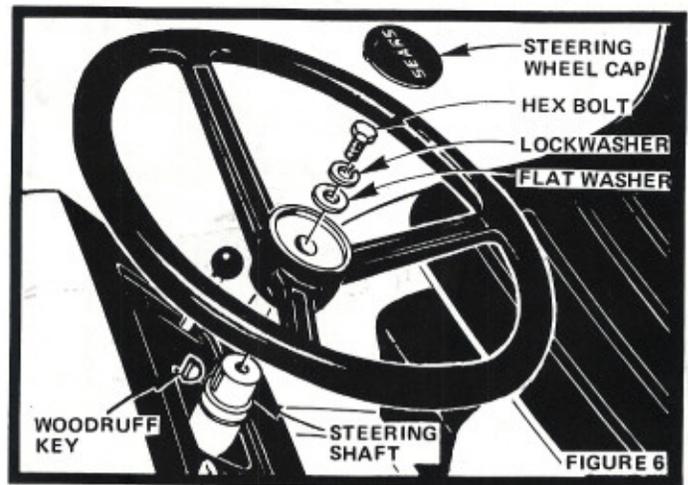
- a. Push down and slightly spread rear sides of Hood to release Hood Latches. Lift Hood from rear sides (Fig. 2).
- b. Remove tape from Plastic Tray and move it slightly to the right to hook one Battery Bolt into the slot on the left side of the Battery Support (Fig. 3). Return Plastic Tray to original 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.
 - a. Remove Hex Bolt, Lockwasher and Flat Washer from Steering Shaft (Fig. 6).
 - b. 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.
 - c. Fasten with Flat Washer, Lockwasher and Hex Bolt (Fig. 6). Tighten securely.
 - d. Press Steering Wheel Cap in place.



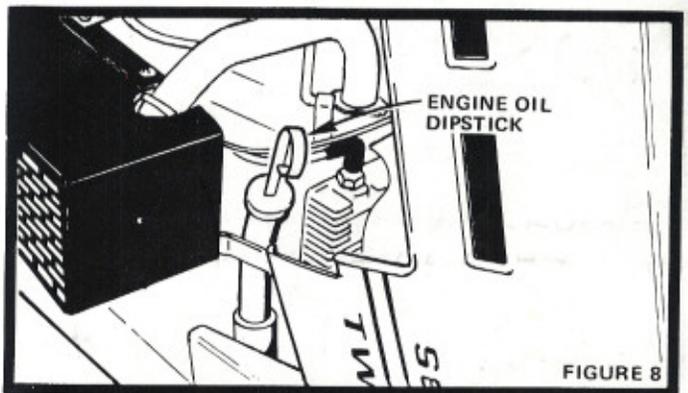
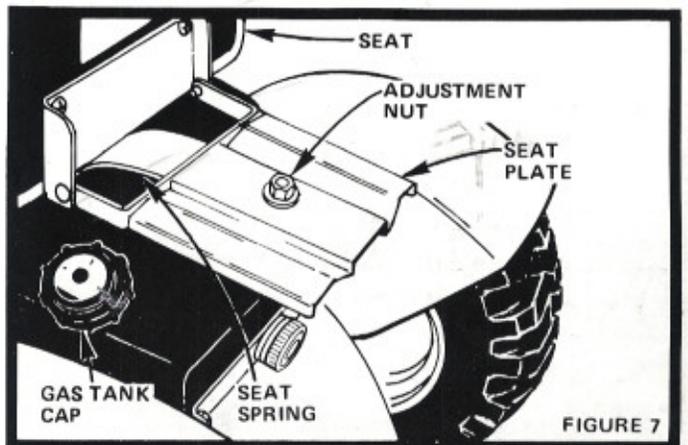
INITIAL ADJUSTMENTS

1. Reduce Tire pressure to 12 pounds in front and rear Tires. (Tires were overinflated for shipping purposes).
2. Seat position 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.
3. A spark arrestor muffler is available as an accessory part for your tractor. Check legal requirements in your area.

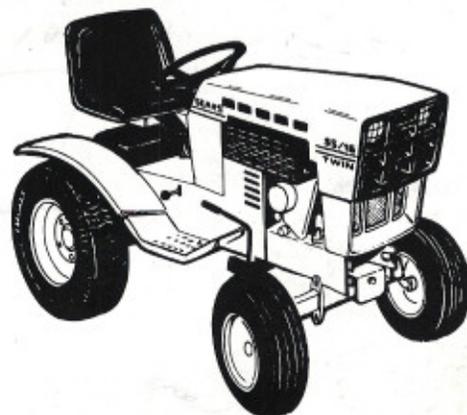
INITIAL SERVICE

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

1. 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.
2. 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.



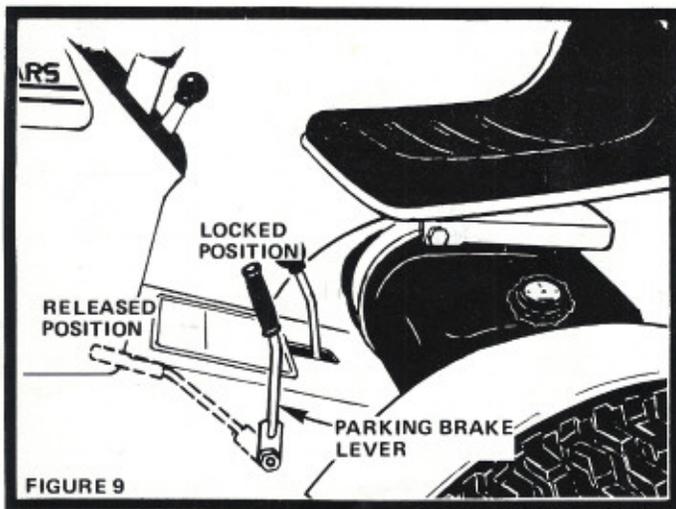


FIGURE 9

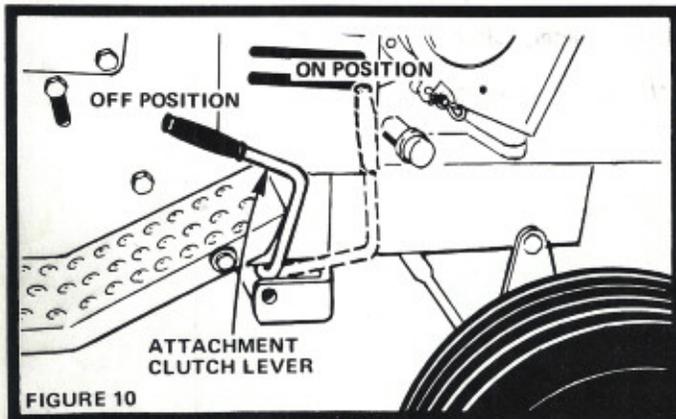


FIGURE 10

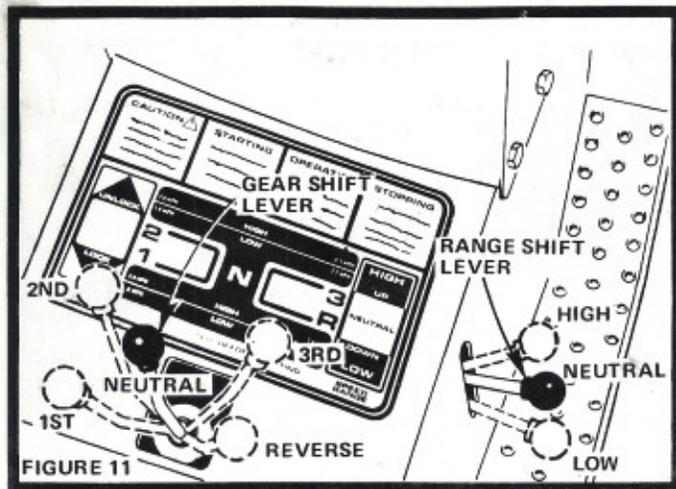


FIGURE 11

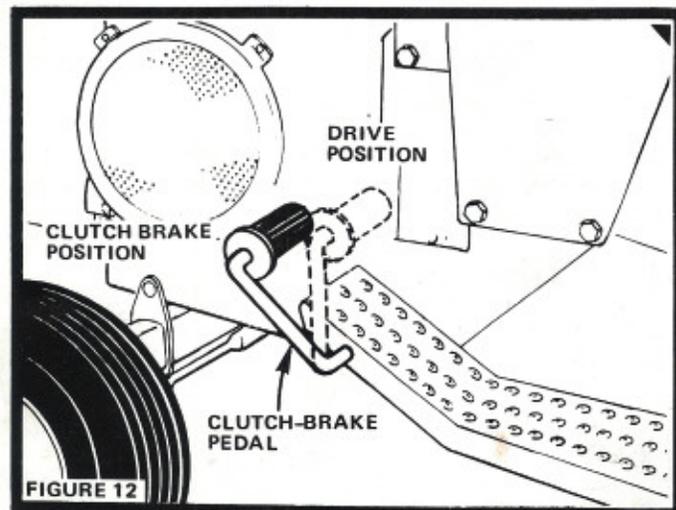


FIGURE 12

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.

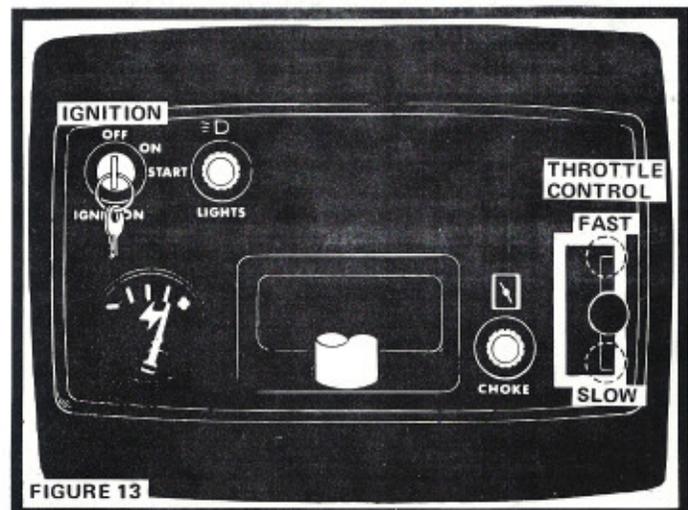


FIGURE 13

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 GASES. 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.

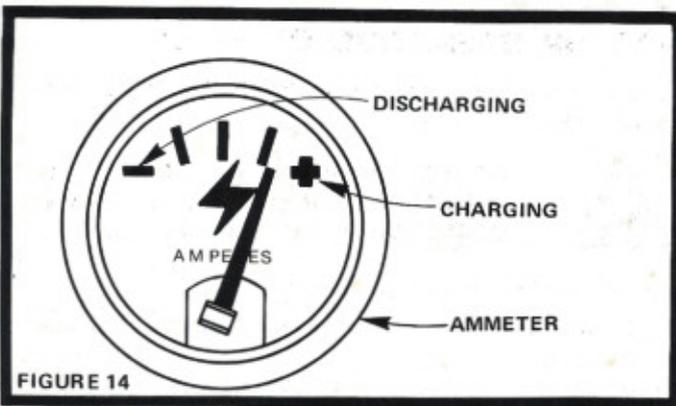


FIGURE 14

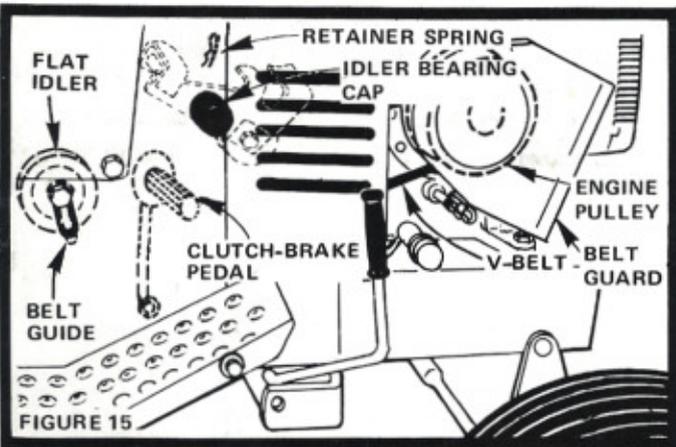


FIGURE 15

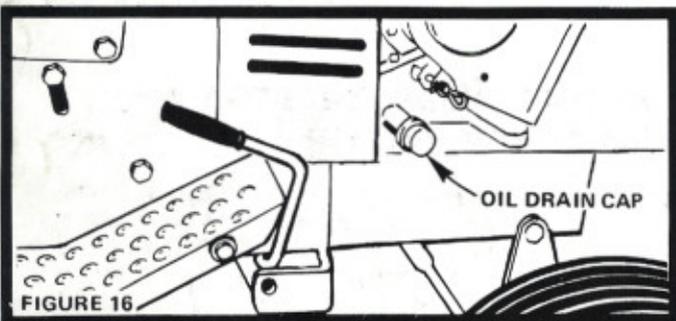


FIGURE 16

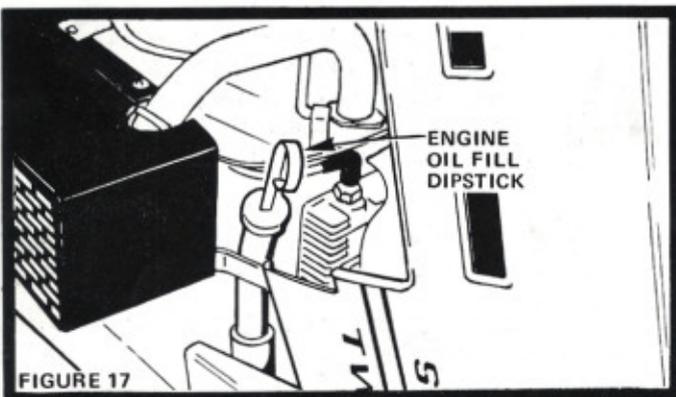


FIGURE 17

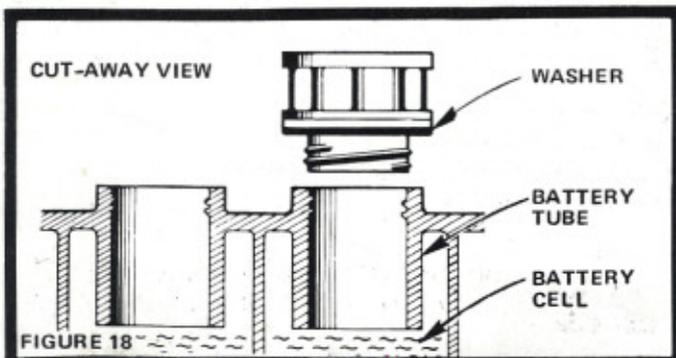


FIGURE 18

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

FIRST 2 HOURS:

1. CHECK V-BELT TENSION

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

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

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

NOTE: FOR LONGER V-BELT LIFE, ALWAYS KEEP BELT TENSICNED 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. 21) must be kept free of dirt and chaff to prevent Engine damage from overheating.

EVERY 5 HOURS:

1. CHECK ENGINE OIL LEVEL



DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

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

2. LUBRICATE STEERING AND FRONT WHEELS

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

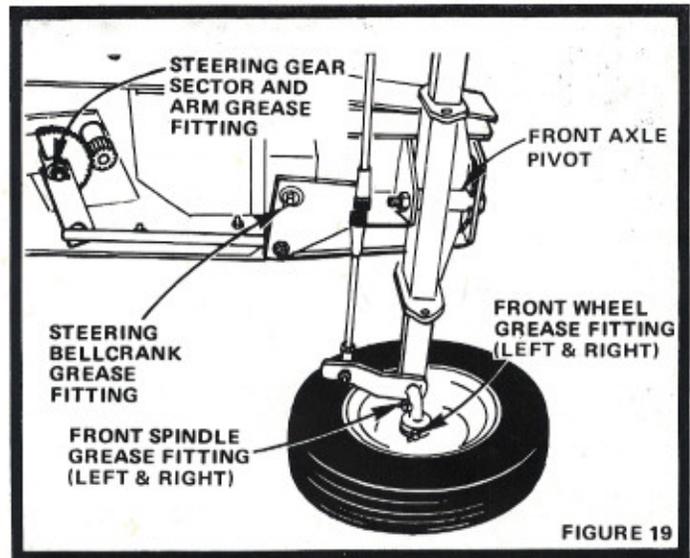


FIGURE 19

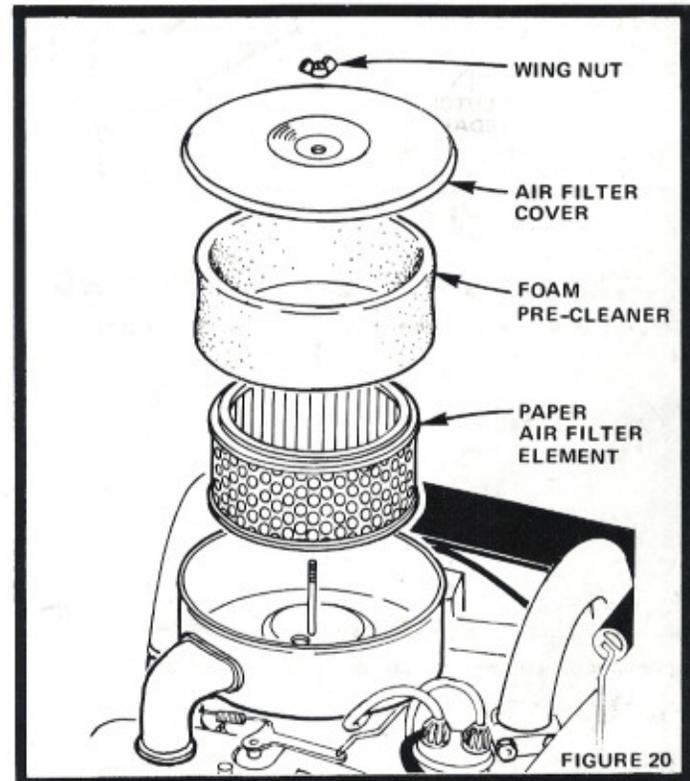


FIGURE 20

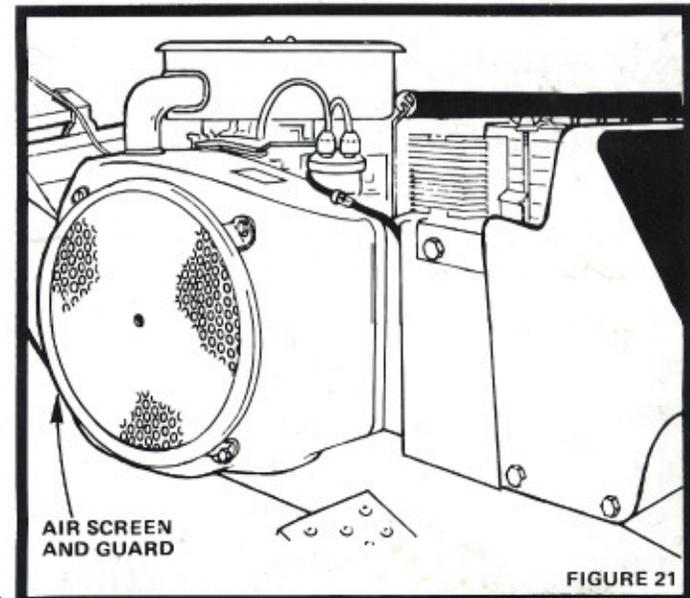


FIGURE 21

EVERY 25 HOURS: (EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR FILTER & FOAM PRE-CLEANER

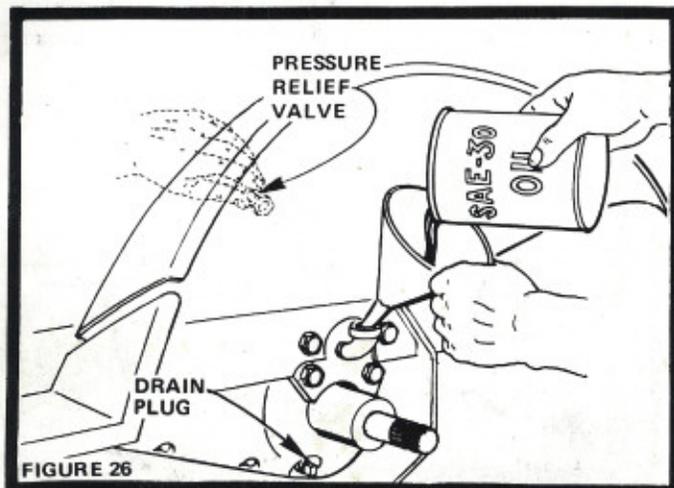
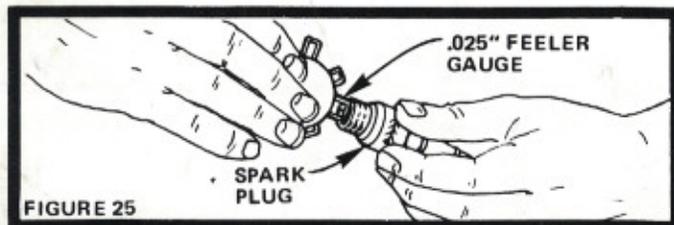
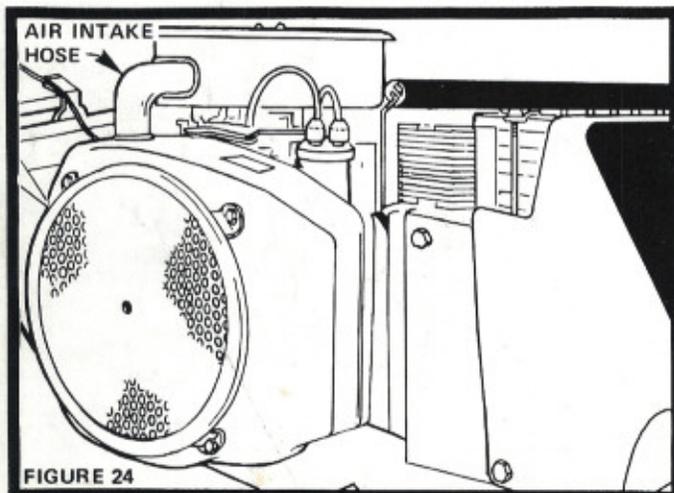
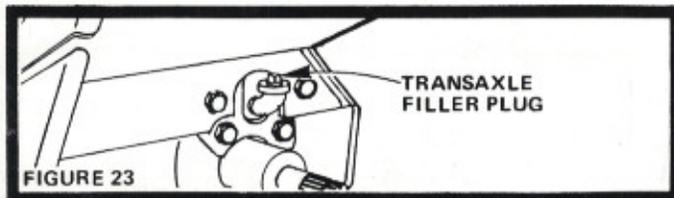
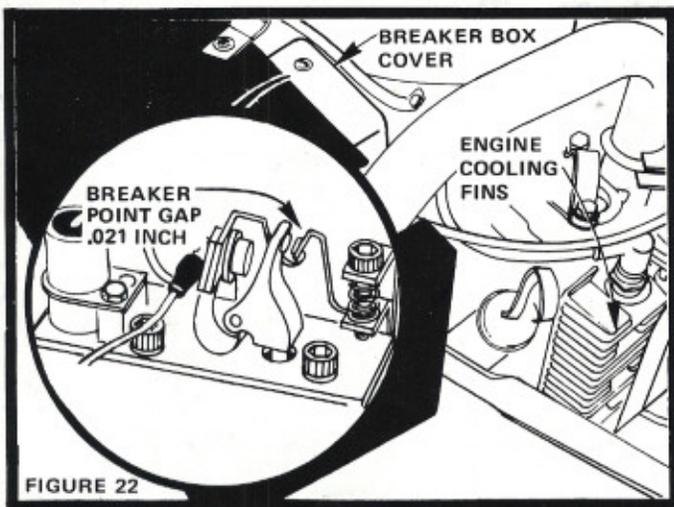
- a. Unscrew Wing Nut (Fig. 20) to remove Air Filter Cover Paper Air Filter Element and Foam Pre-Cleaner.
- b. Clean dust from Paper Air Filter Element by gently tapping Element on a flat surface.
- c. Wash Foam Pre-Cleaner in detergent and water.
- d. Rinse, squeeze (rather than twist) and allow to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

2. CLEAN AIR SCREEN

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

3. CHANGE ENGINE OIL

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



EVERY 50 HOURS:

1. CLEAN ENGINE COOLING FINS

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

2. CHECK TRANSAXLE OIL LEVEL

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

EVERY 100 HOURS:

1. CLEAN SPARK PLUGS AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrodes and reset gap at .025 inch. (Fig. 25). Replace Spark Plugs if they show signs of fouling or electrode erosion.

2. CHECK BREAKER POINTS

Replace Points if they are pitted or burned.

- Remove Air Intake Hose that connects to Blower Housing (Fig. 24). This provides an access to view Timing Mark.
- Remove Spark Plugs and Belt Guard and turn Engine Pulley (Fig. 15) clockwise by hand until 21^oBTC mark on gear cover aligns with mark on flywheel. Turn another 1/4 turn to ensure points are fully open.
- Remove Breaker Box Cover (Fig. 22) by loosening Screw and lift off to remove.
- Replace Points, if necessary.
- Using an Allen Head Wrench, adjust Set Screw for .021 inch between Points. Measure Point Gap with a Flat Feeler Gauge. NOTE: MAKE SURE FEELER GAUGE IS CLEAN AND FREE OF GREASE, OIL, OR DIRT. No other adjustment or alignment is necessary. Setting point gap accurately adjusts Engine Timing.
- Replace Breaker Box Cover, Spark Plugs and Cables and Air Intake Hose.

3. LUBRICATE BALL JOINTS

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

EVERY 200 HOURS:

1. REPLACE PAPER AIR FILTER ELEMENT

Refer to page 7.

2. REPLACE BREAKER POINTS

Refer to step 2, above.

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. 26) 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. 27).
- 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. 28) at each end of Tie Rod Adjustment Sleeves.
- Adjust both Tie Rods so that Tie Rod Joints measure from 10 to 10 - 1/8 inches from center to center.
- Tighten Jam Nuts, making sure Tie Rod Joints are parallel (180°) to each other. This adjustment secures proper Front Wheel Toe-in and steering operation.

3. BRAKE ADJUSTMENT

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

- Loosen Jam Nut (Fig. 29) in order to turn turnbuckle clockwise (from in front of tractor) one turn at a time until Clutch-Brake Pedal regains 4 inches of travel.
- Tighten 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. 29).
- Place Parking Brake Lever in locked position.
- Hold Clutch-Brake Pedal in brake position and tighten first Hex Nut finger tight against Bushing.
- Release Clutch-Brake Pedal and turn first Hex Nut two turns more against Bushing.
- Tighten second Hex Nut against first Hex Nut.

5. CARBURETOR ADJUSTMENT

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

- Main Fuel (High Speed) Screw (Fig. 30) should not require adjustment. If resetting is necessary, turn clockwise, closing finger tight ONLY, then turn counterclockwise 1 - 1/2 turn.
- Turn Idle Adjusting Needle (Fig. 30) clockwise, closing finger tight ONLY, and then turn counterclockwise one 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. 30) 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.

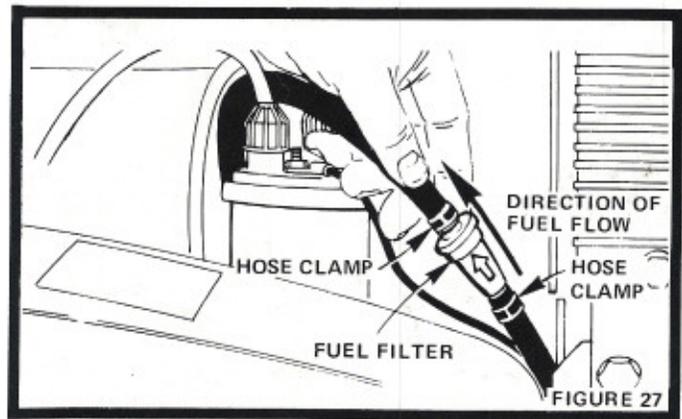


FIGURE 27

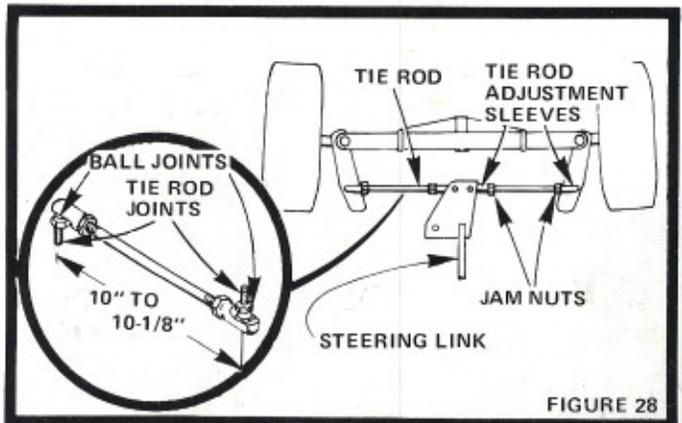


FIGURE 28

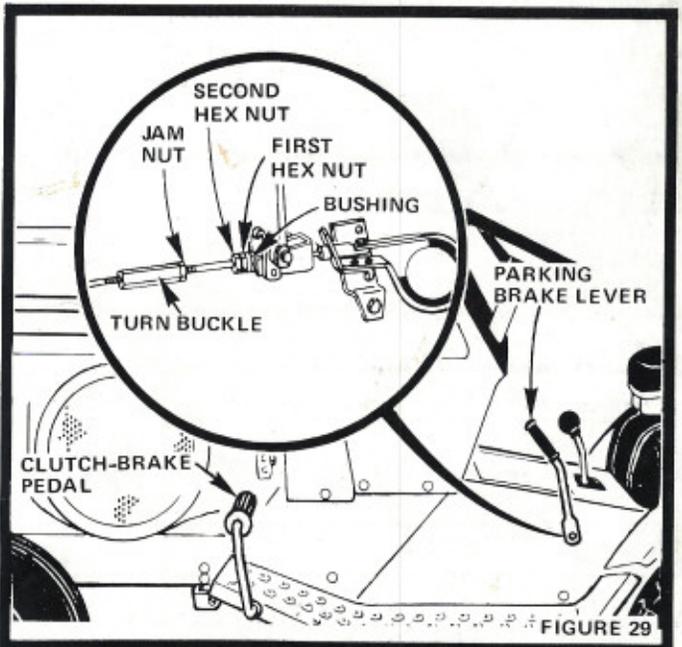


FIGURE 29

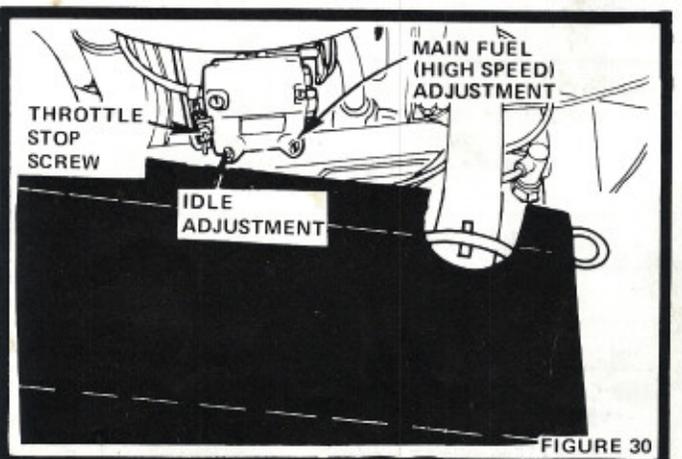


FIGURE 30

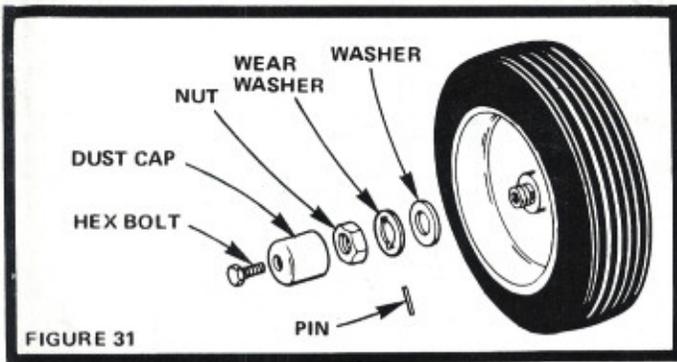


FIGURE 31

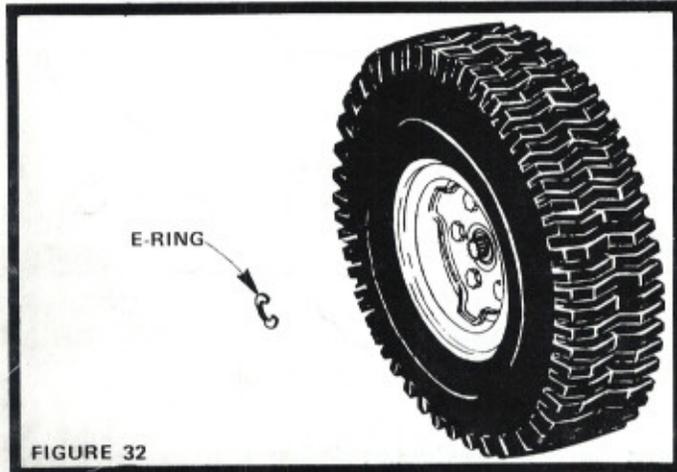


FIGURE 32

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. 31).
 - 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. 32):
 - 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	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 Plugs & Reset Gap				/		
Check Breaker Points				/		
Replace Breaker Points				/		
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 Plugs 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 Plugs Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plugs 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 Plugs 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 Plugs 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

a. 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.

b. Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

3. CYLINDER

a. Remove Spark Plugs.
b. Pour one ounce of oil through spark plug hole into cylinder.

c. Turn ignition key to "START" position for a few seconds to distribute oil.
d. Replace Spark Plugs.

4. BATTERY

a. 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.

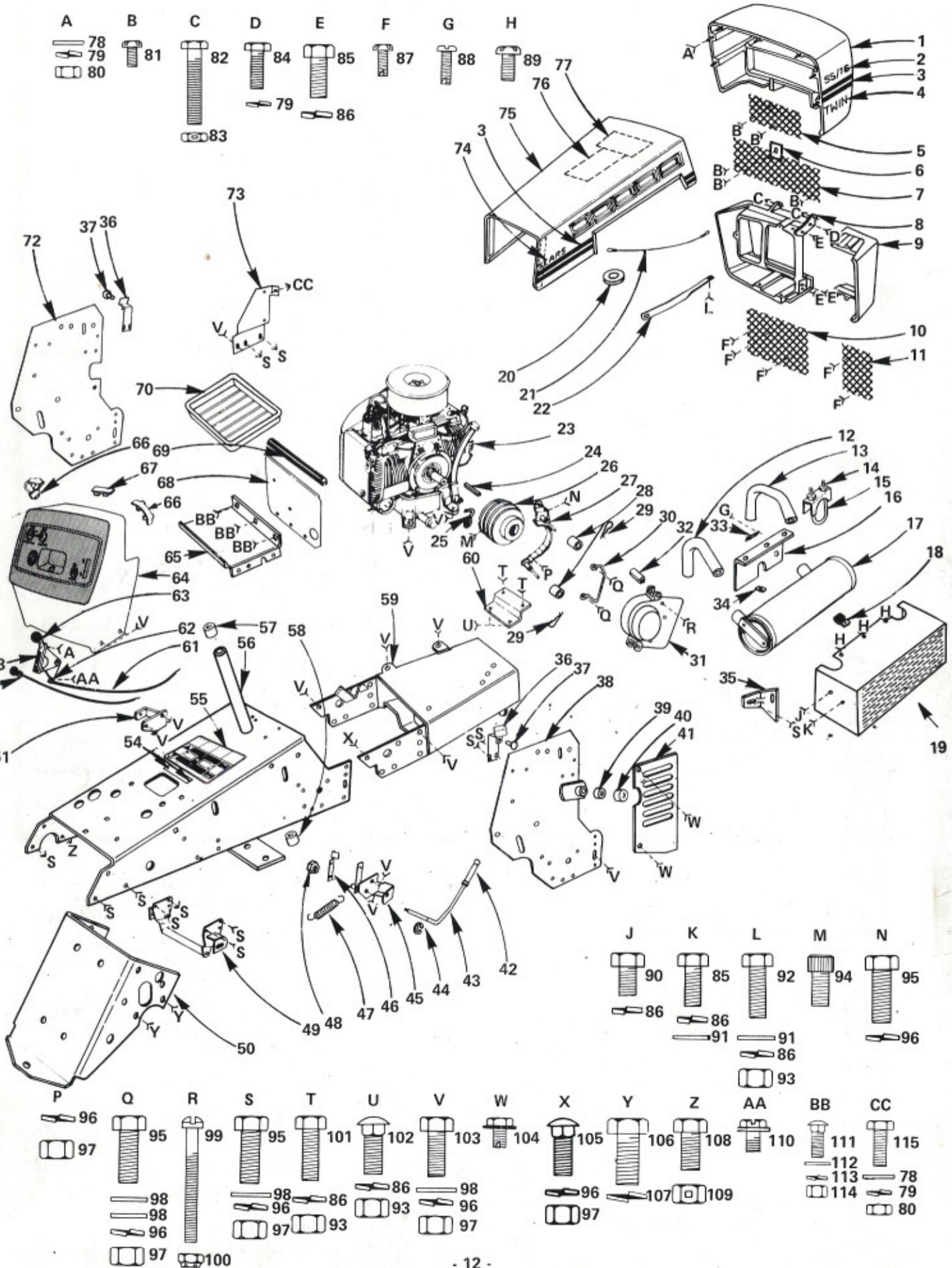
b. Check electrolyte charge each month and recharge if below 1.225 specific gravity. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHUR DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

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

REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

MAIN FRAME, DASH AND GRILL



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REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

MAIN FRAME, DASH AND GRILL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	2676R	Grill - Upper	63	8203R	Throttle Control Lever
2	7993R	Decal - Grill (SS/16)	64	634A822	Dashboard (Inc. Key 66 & 67)
3	7995R	Decal - L.H. Hood Strip	65	6255R	Battery Support
	8644R	Decal - R.H. Hood Strip	66	1998R	Clip - Dashboard
4	3653R	Decal - Grill (Twin)	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			
9	7938R	Grill Side	72	7731R	Bracket - Battery Support
10	2674R	Grill Screen - L.H.	73	7835R	Bracket Rectifier
11	2673R	Grill Screen - R.H.	74	3300R	Decal - Sears
12	2696R	Exhaust Manifold - Rear	75	634A551	Hood Ass'y.
13	2697R	Exhaust Manifold - Front	76	8028R	Decal - Instruction
14	514P	*Hex Nut 5/16 - 18	77	8377R	Decal - Wiring
15	663A149	Muffler Clamp (Inc. Key No. 14)	78	1506P	*Washer 9/32 x 5/8 x 16 Ga.
16	8376R	Heat Shield Carburetor	79	1002P	*Lockwasher 1/4
17	7742R	Muffler	80	503P	*Hex Nut 1/4 - 20
18	6794R	Clip	81	5554P	Phillips Pan Hd. Thd. Cutting Screw 10 - 16 x 1/2
19	634A706	Muffler Guard Ass'y.	82	3267P	*Hex Bolt 1/4 - 20 x 1 - 1/2
20	1537P	*Washer 11/32 x 11/16 x 16 Ga.	83	1605H	Locknut 1/4 - 20
21	8058R	Grill Cable	84	3003P	*Hex Bolt 1/4 - 20 x 3/4
22	7746R	Grill Brace	85	3010P	*Hex Bolt 5/16 - 18 x 3/4
23	634A773	Engine 16 H.P. BF-MS/2833E	86	1003P	*Lockwasher 5/16
24	9396E	Sq. Key 1/4 x 2	87	5564P	Phillips Pan Hd. Thd. Cutting Screw 10 - 24 x 1/2 Type T
25	8245R	Belt Retainer Finger	88	5569P	Std. Pan Hd. Thd. Cutting Screw 10 - 24 x 3/4 Type 23
26	634A104	Engine Pulley w/Set Screws	89	3253P	Phillips Pan Hd. Machine Screw 1/4 - 20 x 1/2
27	634A527	Belt Guide Weldment	90	3008P	*Hex Bolt 5/16 - 18 x 1/2
28	8704H1	Spacer	91	1537P	*Washer 11/32 x 11/16 x 16 Ga.
29	4939M	Retainer Spring	92	3011P	*Hex Bolt 5/16 - 18 x 1
30	9011H	Belt Retainer	93	504P	*Hex Nut 5/16 - 18
31	634A659	Belt Guard Weldment	94	4514P	Hex Socket Hdless Set Screw 5/16 - 18 x 5/8
32	8238H	Split Spacer	95	3023P	*Hex Bolt 3/8 - 16 x 1
33	9776H	Clip	96	1004P	*Lockwasher 3/8
34	3531R	"J" Clip	97	501P	*Hex Nut 3/8 - 16
35	8269R	Muffler Guard Bracket	98	1513P	*Washer 13/32 x 13/16 x 16 Ga.
36	634A820	Hood Latch	99	3154P	Std. Fil. Hd. Machine Screw 1/4 - 20 x 2 - 1/4
37	8457R	Support Bumper	100	347H	Huglock Nut 1/4 - 20
38	634A762	Battery Support Bracket (Inc. Key 39)	101	3012P	*Hex Bolt 5/16 - 18 x 1 - 1/4
39	7756R	Bearing	102	17P	*Sq. Neck Carriage Bolt 5/16 - 18 x 1
40	8006R	Cap	103	3137P	*Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5
41	7729R	Cover-R.H.	104	5557P	Hex Washer Hd. Thd. Cutting Screw 1/4 - 20 x 1/2 Type 1
42	4379H	Handle Grip	105	28P	*Sq. Neck Carriage Bolt 3/8 - 16 x 1 Gr. 5
43	7945R	Attachment Clutch Lever	106	3035P	*Hex Bolt 7/16 - 14 x 1 - 1/4
44	5002P	E-Ring	107	1001P	*Lockwasher 7/16
45	634A785	Hanger Weldment R.H.-Front	108	3021P	*Hex Bolt 3/8 - 16 x 3/4
46	7944R	Belt Tightener Arm	109	5394H	Locknut 3/8 - 16
47	7948R	Return Spring	110	6055P	Hex Std. Hd. Machine Screw w/Sems Int. Tooth Lockwasher 10 - 32 x 1/4
48	7810H	Locknut 3/8 - 24	111	53P	*Sq. Neck Carriage Bolt 10 - 24 x 1/2
49	634A814	Hanger Weldment - Rear	112	1504P	*Washer 7/32 x 1/2 x 18 Ga.
50	634A787	Drawbar and Weldnuts	113	1006P	*Lockwasher No. 10
51	634A355	Hanger Weldment - L.H. - Front	114	505P	*Hex Nut 10 - 24
52	7931R	Choke Control	115	3114P	*Hex Bolt 1/4 - 20 x 1/2
53	7933R	Throttle Control (Inc. Key 61, 62 & 63)			
54	9521H	Drive Rivet			
55	7939R	Decal (Shift Pattern)			
56	634A781	Chassis Ass'y. (Inc. Key 57 & 58)			
57	6468H	Bearing			
58	4766H	Bearing			
59	634A749	Engine Mount Ass'y.			
60	2665R	Grill Spacer			
61	8206R	Throttle Wire & Casing			
62	8204R	Clamp			

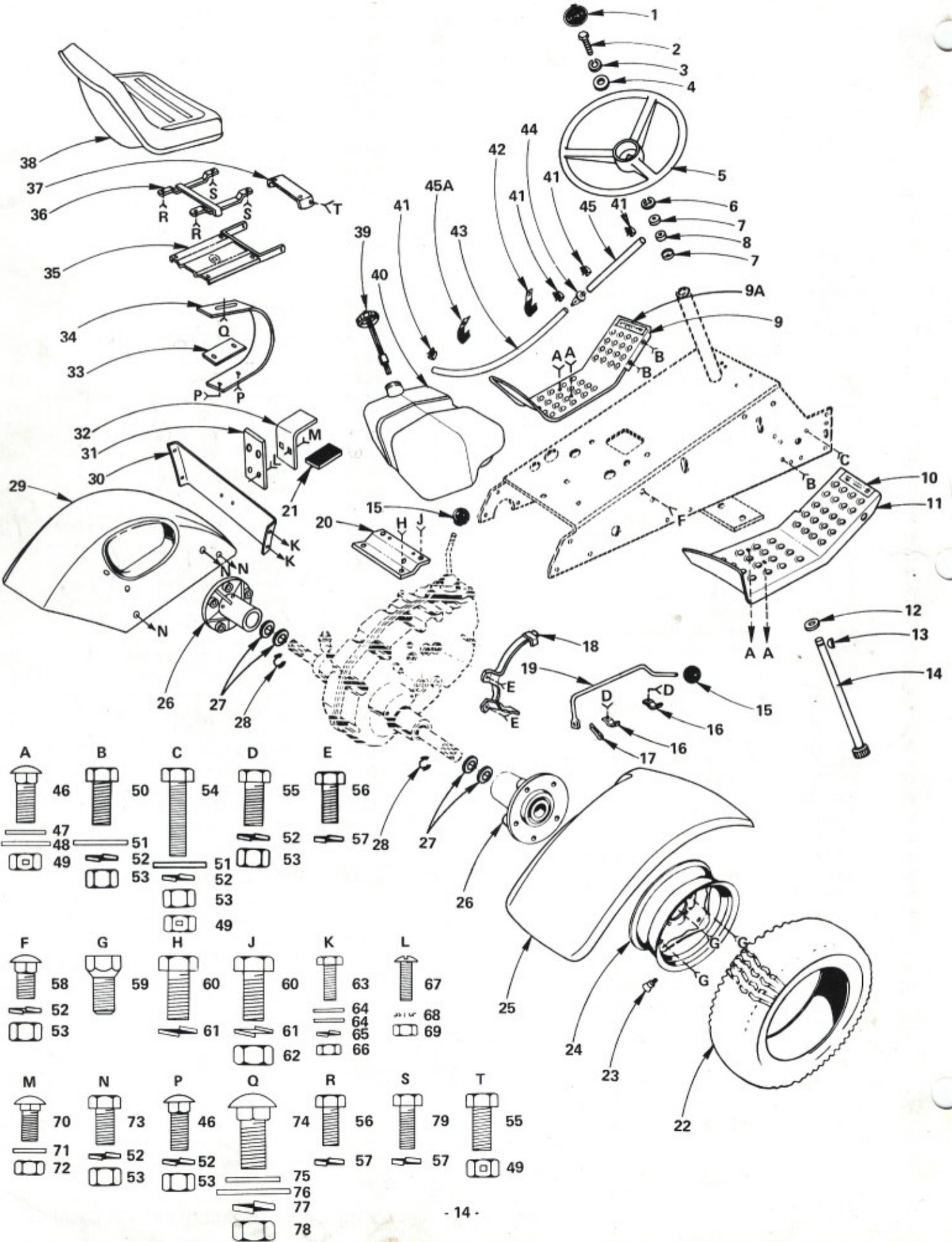
REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

STEERING AND FINAL DRIVE

MODEL NO. 917.25950

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REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

STEERING, AND FINAL DRIVE

MODEL NO. 917.25950

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7996R	Steering Wheel Cap	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	4820R	Steering Wheel	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	3027P	*Hex Bolt 3/8 - 16 x 1 - 1/2
9A	7999R	Decal (Clutch-Brake)	55	3022P	*Hex Bolt 3/8 - 16 x 7/8
10	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	1553P	*Washer 57/64 x 1 - 1/4 x 16 Ga.	58	19P	*Sq. Neck Carriage Bolt 3/8 - 16 x 3/4
13	9858M1	*Woodruff Key 3/16 x 5/8	59	1304H	Hub Bolt
14	634A626	Steering Shaft and Pinion	60	3034P	*Hex Bolt 7/16 - 14 x 1
15	7987R	Control Knob	61	1001P	*Lockwasher 7/16
16	6442H	Shift Rod Bracket	62	500P	*Hex Nut 7/16 - 14
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	794R	Rear Tire 23 x 9.50 - 12			
23	795R	Tire Valve	68	1404P	*Ext. Tooth Lockwasher No. 10
24	2893R	Rear Wheel	69	505P	*Hex Nut No. 10 - 24
25	8186R	Fender - R.H.	70	5P	*Short Shoulder Sq. Neck Carriage Bolt 5/16 - 18 x 3/4
26	634A692	Wheel Hub - Rear			
27	7563R	Axle Thrust Washer	71	1537P	*Washer 11/32 x 11/16 x 16 Ga.
28	5845R	E-Ring	72	1685H	Lock Nut 5/16 - 18
29	8187R	Fender - L.H.	73	3021P	*Hex Bolt 3/8 - 16 x 3/4
30	2656R	Bracket - Tail Light	74	25P	*Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5
31	634A823	Seat Stop and Bracket	75	1578P	*Washer 3/4 x 1 - 1 - 1/8 x 11 Ga.
32	634A824	Fuel Tank Retainer and Pads	76	1560P	*Washer 17/32 x 1 - 1/2 x 11 Ga.
33	8141H	Seat Spring Reinforcement	77	1000P	*Lockwasher 1/2
34	7898R	Seat Spring	78	502P	*Hex Nut 1/2 - 13
35	634A776	Seat Plate Weldment	79	3159P	*Hex Bolt 5/16 - 18 x 7/8
36	634A532	Seat Bracket Weldment	----	7882R	Owners Manual
37	7897R	Bracket Seat Pivot			
38	7935R	Seat			
39	7886R	Fuel Gauge			
40	7885R	Fuel Tank			
41	6999R	Fuel Line Clamp			
42	2751R	Clip - Fuel Line			
43	7834R	Fuel Line (Long)			
44	7741R	Fuel Filter			
45	7833R	Fuel Line (Short)			
45A	9297R	Clip-Fuel Line			

*STANDARD HARDWARE--PURCHASE LOCALLY

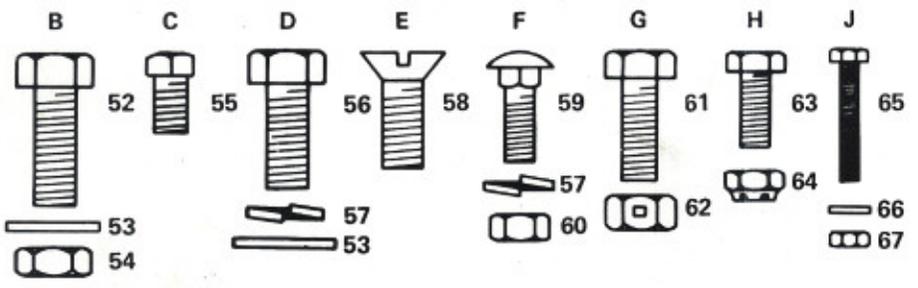
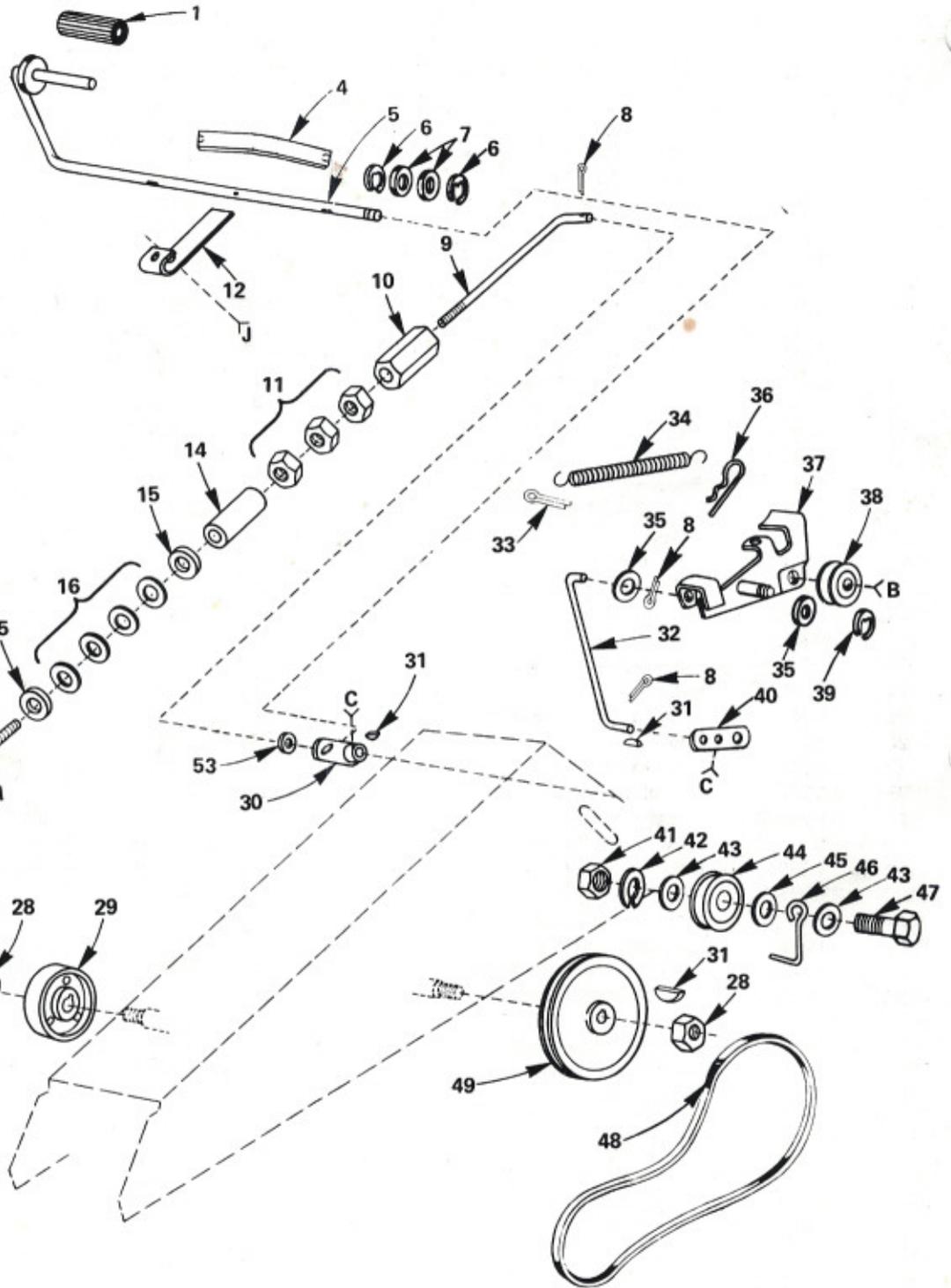
REPAIR PARTS:

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BRAKE AND CLUTCH

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REPAIR PARTS:**SS/16 TWIN-GARDEN TRACTOR****BRAKE AND CLUTCH****MODEL NO. 917.25950**

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8156H	Foot Pedal Sleeve	37	634A754	Idler Bracket Weldment
4	9008H	Spring	38	634A86	Idler, Bolt & Nut (Inc. Key No's 52 & 54)
5	634A757	Foot Pedal Shaft Weldment	39	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
			47	3262P	*Hex Bolt 7/16 - 14 x 2 - 1/2
14	2201R	Bushing	48	2692R	V-Belt
15	1557P	*Washer 13/32 x 13/16 x 11 Ga.	49	6461H2	Pulley, Transmission
16	2263R	Spring Washer	52	3052P	*Fin. Hex Bolt 3/8 - 24 x 1
17	2197R	Parking Brake Yoke	53	1513P	*Washer 13/32 x 13/16 x 16 Ga.
18	175H	Roll Pin	54	548P	*Hex Jam Locknut 3/8 - 24
19	634A489	Lock Bracket Assembly	55	4501P	*Sq. Hd. Set Screw 5/16 - 18 x 1/2
20	2221R	Parking Brake Spacer	56	3022P	*Hex Bolt 3/8 - 16 x 7/8
21	5999H	Spring Washer	57	1004P	*Lockwasher 3/8
22	4379H	Handle Grip	58	3164P	Flat Hd. Machine Screw - Undercut 3/8 - 16 x 3/4
23	626A341	Parking Lock Handle Assembly	59	11P	*Sq. Neck Carriage Bolt 1/4 - 20 x 5/8
24	7810H	Gripco Centerlock Nut 3/8 - 24	60	503P	*Hex Nut 1/4 - 20
25	626A365	Brake Rod Assembly	61	3159P	*Hex Bolt 5/16 - 18 x 7/8
26	634A167	Brake Band and Lining	62	1685H	Locknut 5/16 - 18
27	634A168	Brake Bracket Assembly	63	3244P	*Hex Bolt 1/4 - 28 x 5/8 Gr. 5
28	9204H	Lock Nut 1/2 - 20	64	9071H	Huglock Nut 1/4 - 28
29	7648H1	Brake Drum	65	3326P	Hex Hd. Mach. Screw 6 - 32 x 1
30	634A838	Brake Arm Assembly	66	1567P	Flat Washer 5/32 x 3/8 x 20 Ga.
31	9858M1	Woodruff Key	67	562P	Center Locknut 6 - 32
32	2645R	Clutch Rod			
33	2514P	*Cotter Pin 1/4 x 1			
34	6486H	Spring			
35	1545P	*Washer 17/32 x 1 x 16 Ga.			
36	4939M	Retainer Spring			

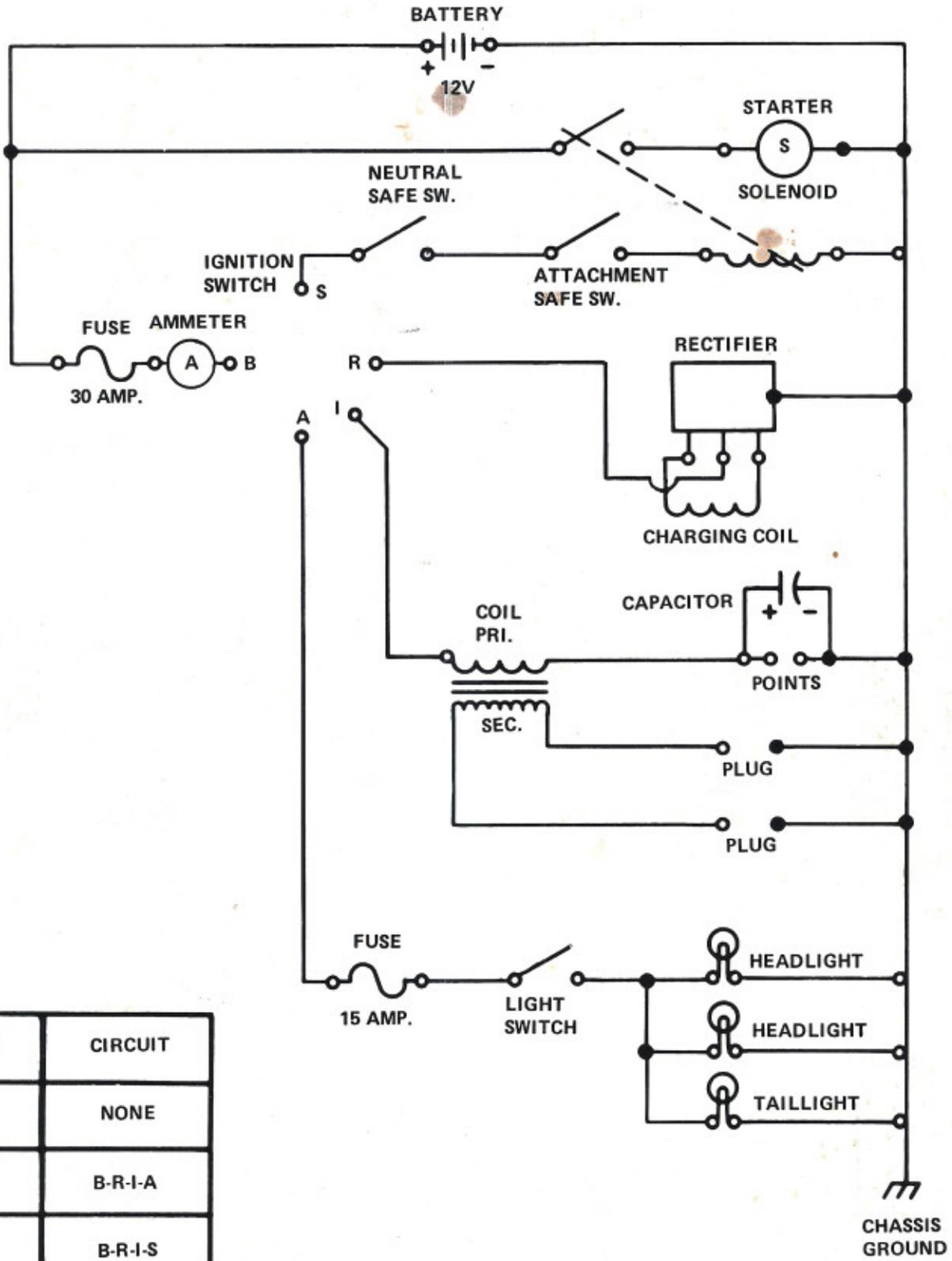
*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

SCHEMATIC DIAGRAM

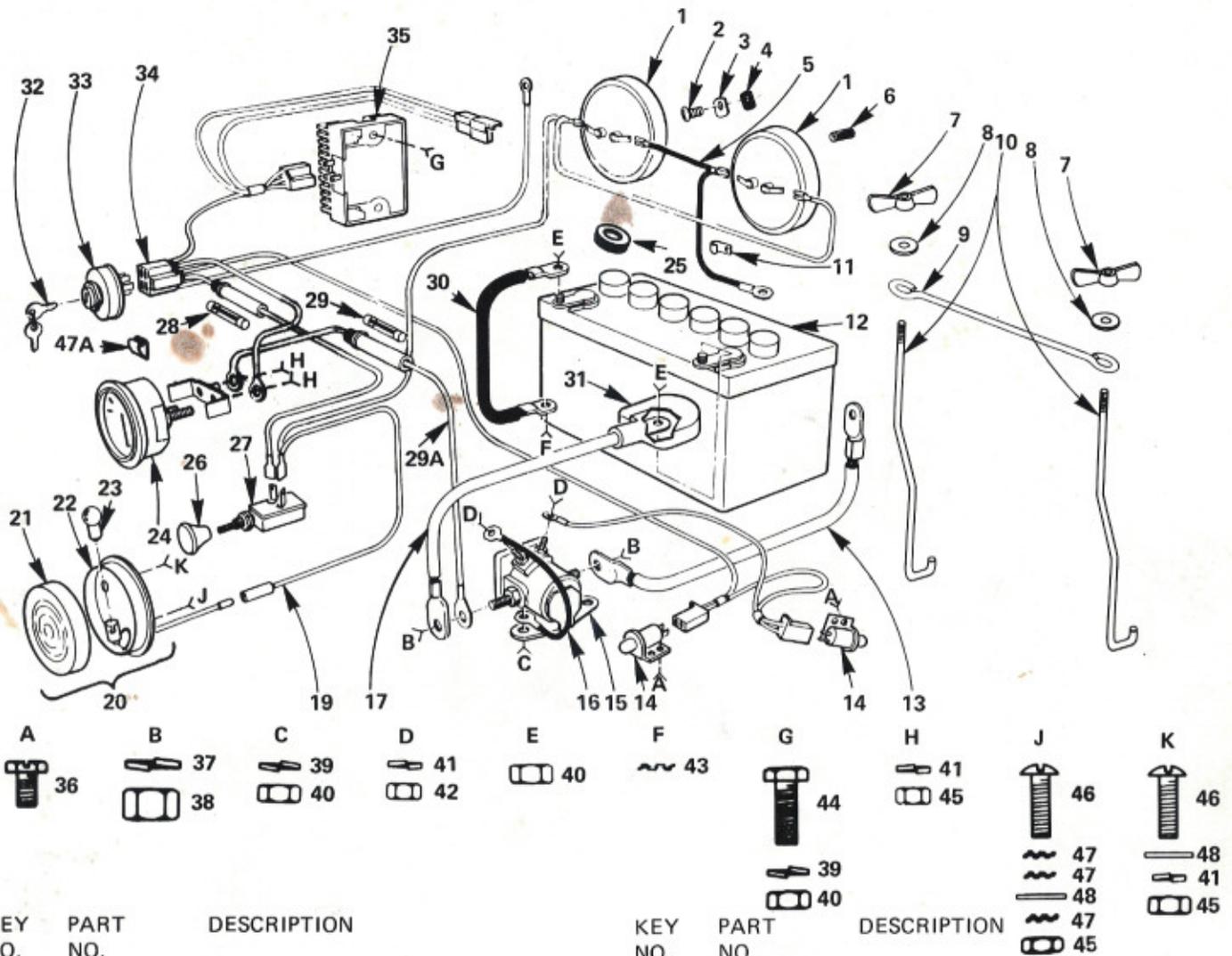
MODEL NO. 917.25950



POSITION	CIRCUIT
OFF	NONE
RUN	B-R-I-A
START	B-R-I-S

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REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950



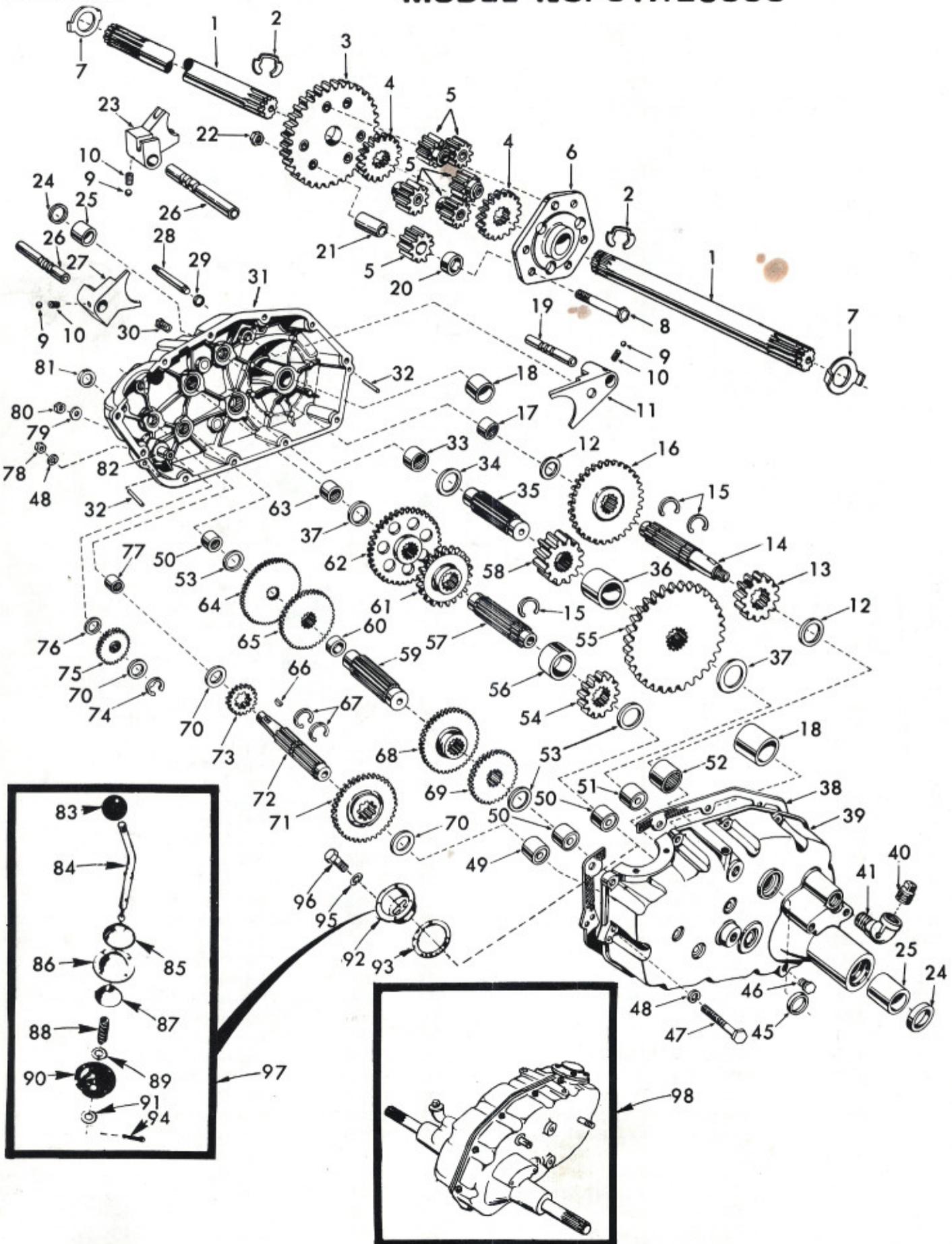
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	27	7793R	Light Switch
2	5554P	Phillips Pan Hd. Thd. Cutting Screw No. 10 - 16 x 1/2	28	2212R	Fuse - 15 Amp.
3	8768H	Mounting Clip	29	6347R	Fuse - 30 Amp.
4	8784H1	Rubber Spacer	29A	8113R	Fuse Harness
5	8031R	Headlight Ground 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	2683R	Ignition Switch
9	5110H	Battery Clamp	34	8029R	Main Harness
10	2685R	Battery Bolt	35	7753R	Regulator - Rectifier
11	4171R	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	*Std. Truss Hd. Mach. Scr. 10 - 24 x 3/4
24	7989R	Ammeter & Bracket	47A	8615R	Clip
25	8355R	Gasket, Battery Cap	48	1404P	*Ext. Tooth Lockwasher No. 10
26	7794R	Light Switch Knob	49	1504P	*Washer 7/32 x 1/2 x 18 Ga.

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

MODEL NO. 917.25950

TRANSAXLE



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REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

TRANSAXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	4202R	Axle Shaft	49	4895H	Needle Bearing
2	5845R	Retaining Ring	50	4222R	Needle Bearing
3	4199R	Final Drive Gear	51	1529R	Needle Bearing
4	4216R	Differential Gear	52	8119M	Needle Bearing
5	4215R	Differential Pinion	53	4220R	Thrust Bearing Race
6	4217R	Differential Carrier	54	4209R	3rd Reduction Pinion - Low
7	6256H	Axle Thrust Washer	55	4213R	4th Reduction Gear
8	3056P	*Hex Bolt 3/8 - 24 UNF x 3 - 1/4 (1" Thread Length)	56	4442R	3rd Reduction Pinion Spacer
9	7392M	Steel Ball	57	4195R	2nd Reduction Gear Shaft
10	6272H	Spring Shift Fork Detent	58	4214R	Final Drive Pinion
11	4985R	Shift Fork, High - Low Range	59	4194R	1st Reduction Gear Shaft
12	6266H	Thrust Bearing Race	60	7528R	1st Reduction Shaft Spacer
13	4212R	4th Reduction Pinion	61	4208R	3rd Reduction Pinion - High
14	4196R	3rd Reduction Gear Shaft	62	4207R	2nd Reduction Gear
15	6276H	Snap Ring - Crescent Type	63	7398H	Needle Bearing
16	633A63	High - Low Range Gears	64	4203R	Low Speed Gear and 2nd Reduction Pinion Cluster
17	8118M	Needle Bearing	65	4204R	Reverse Gear
18	9040R	Sintered Iron Bearing	66	9858M1	*Woodruff Key 3/16 x 5/8
19	6217H	Shift Fork Shaft, High - Low Range	67	4926H	Snap Ring - Crescent Type
20	4218R	Differential Pinion Spacer	68	4205R	Intermediate Speed Gear
21	6252H1	Differential Pinion Bushing	69	4206R	High Speed Gear
22	7810H	*Gripco Centerlock Nut 3/8 - 24 UNF	70	1370H	Thrust Bearing Race
23	4986R	Shift Fork - L.H.	71	633A69	Intermediate and High Speed Pinions Cluster Gear
24	7393R	Oil Seal	72	4193R	Input Shaft
25	9039R	Sintered Iron Bearing	73	4201R	Low Speed Pinion
26	6216H	Shift Fork Shaft	74	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	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	8551R	Gear Shift Lever - Bent
37	7395H	Thrust Bearing Race	85	4869H1	Gear Shift Cap
38	6275H	Gearcase Gasket	86	633A39A	Gear Shift Ball Cover
39	633A64	Gearcase and Bearings - L.H. (Inc. Key No's. 18; 25, 49, 50 (2), 51 and 52)	87	8739H1	Shift Lever Guide Ball -Keyed Spring
40	4002P	*Pipe Plug 1/2 - 14 N.P.T.	88	4924H	Spring
41	4003P	*Street Elbow 90°, 1/2 - 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

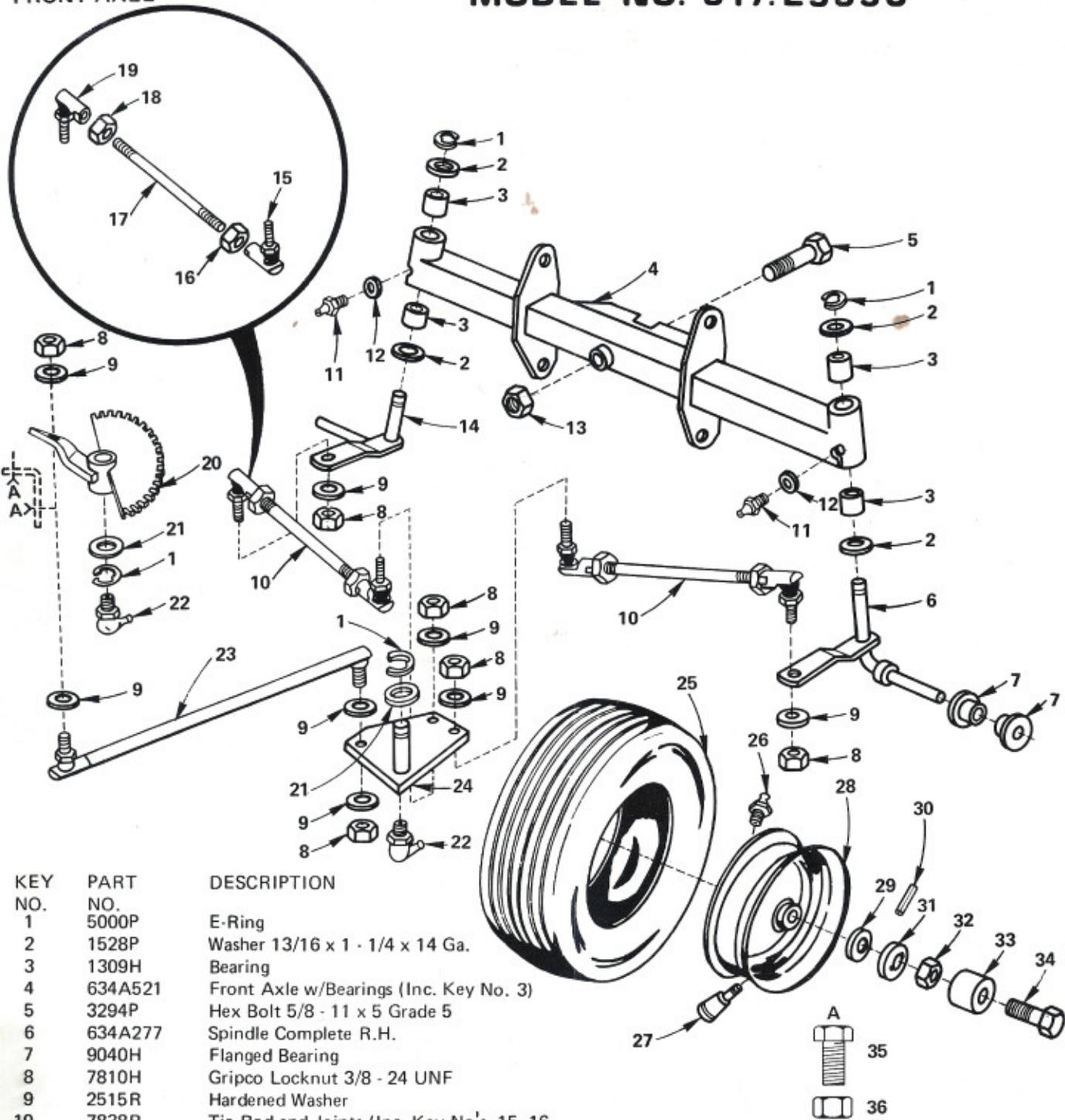
*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

MODEL NO. 917.25950

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	2169R	Front Tire - Tubeless

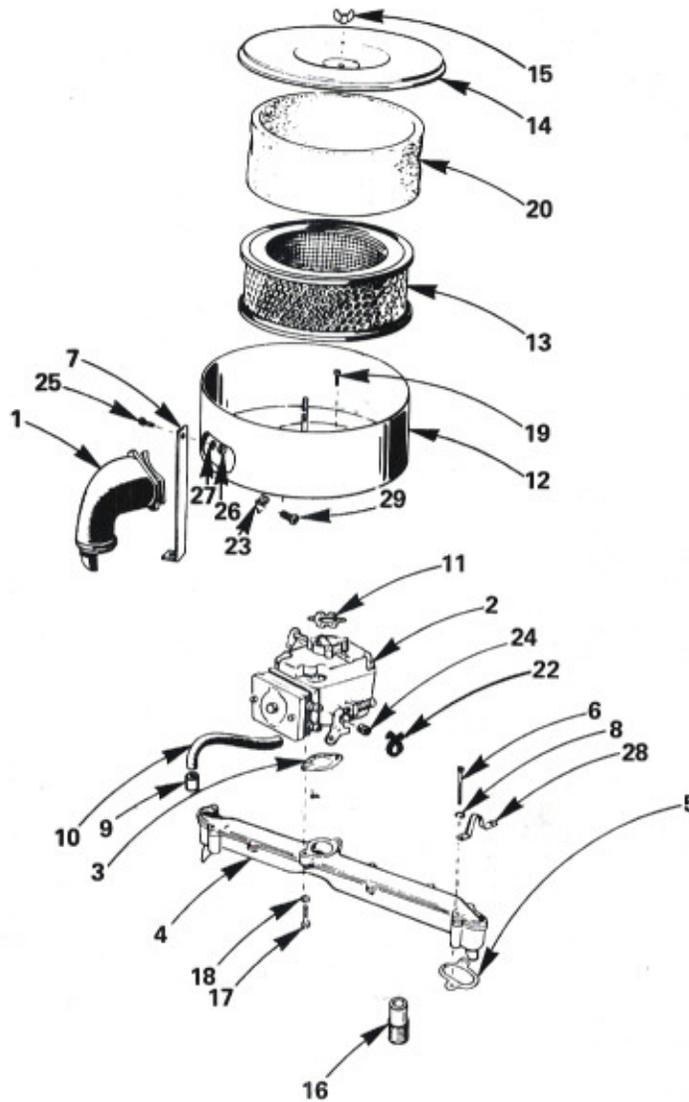
KEY NO.	PART NO.	DESCRIPTION
26	6856M	Grease Fitting 1/4 - 28 Taper Thrd.
27	795R	Tire Valve
28	2892R	Front Wheel and Bearings
29	1562P	Washer 25/32 x 1 - 1/2 x 16 Ga.
30	8798H	*Roll Pin 5/32 x 1
31	8785H	Wear Washer
32	4831H	Elastic Nut 3/4 - 16 UNF
33	8763H	Dust Cap-Outer
34	3008P	Hex Bolt 5/16 - 18 x 1/2
35	3052P	*Hex Bolt 3/8 - 24 x 1
36	515P	*Hex Nut 3/8 - 24

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

FUEL SYSTEM GROUP

ONAN ENGINE MODEL NUMBER BF-MS/2833E

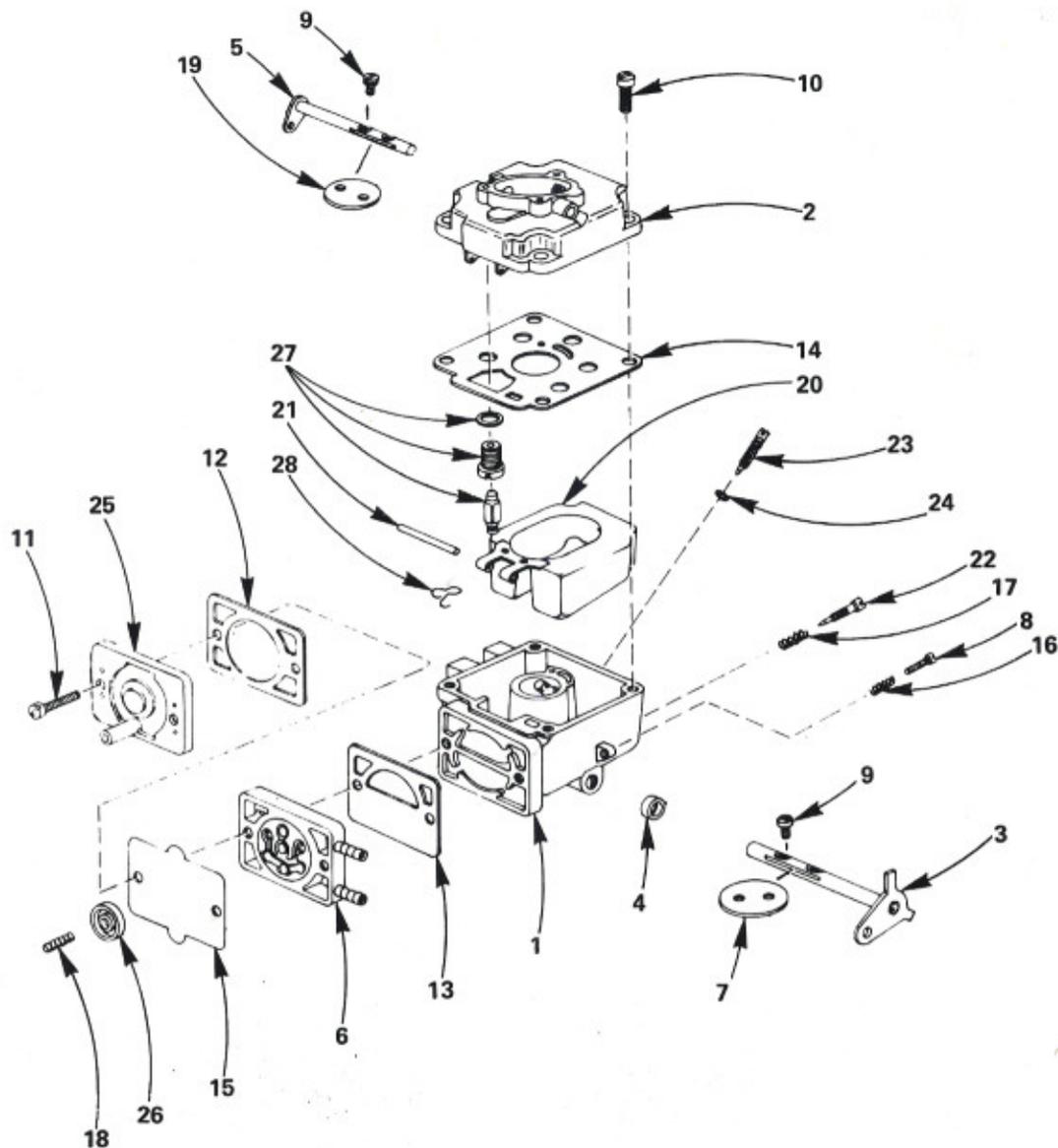


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	140-1169	Tube, Air Intake (Air Cleaner to Blower Housing)	15	865-0020	Nut, Wing - Air Cleaner Cover (1/4 - 20)
2	142-0531	†Carburetor, Gasoline (With Integral Fuel Pump)	16	505-0755	Nipple, Exhaust (1 x 3")
3	145-0438	Gasket, Carburetor Mounting	17	800-0023	Screw, Hex Head Cap (1/4 - 20 x 1 - 3/8")
4	154-1468	Manifold, Intake	18	850-0040	Washer, Spring Lock (1/4")
5	154-1446	Gasket, Intake - Manifold	19	815-0377	Screw, Round Head with Nylon Seal (No. 10 - 32 x 3/8")
6	800-0034	Screw, Hex Head Cap (5/16 - 18 x 2 - 1/4")	20	140-1259	Wrapper, Air Cleaner Element
7	140-1198	Support, Air Cleaner	22	503-0301	Clamp, Hose
8	850-0045	Washer, Spring Lock (5/16")	23	518-0328	Clip, Bracket, Cable
9	149-1299	Vacuum Tube	24	149-1321	Cap, Fuel Pump
10	503-0740	Hose, Fuel Pump Vacuum	25	800-0003	Screw, Hex Head Cap (1/4 - 20 x 1/2")
11	140-1215	Gasket, Air Cleaner Mtg.	26	862-0001	Nut, Hex - Steel (1/4 - 20)
12	140-1213	Housing, Air Cleaner	27	853-0013	Washer, Lock - ET (1/4")
13	140-1216	Element, Air Cleaner	28	403-1021	Bracket, Lifting
14	140-1168	Cover, Air Cleaner	29	5592P	Slt'd. Pan Hd. Self Tap Screw Type AB No. 8 x 3/4

† - See separate group for components.

REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

CARBURETOR PARTS GROUP



KEY NO.	PART NO.	DESCRIPTION
1	142-0532	Body Assembly, Lower
2	142-0533	Sleeve Assembly
3	142-0534	*Shaft Assembly, Throttle
4	142-0535	†Packing, Shaft
5	142-0536	Shaft Assembly, Choke
6	142-0537	*Valve Plate Assembly
7	142-0538	Fly, Throttle
8	142-0064	Screw, Throttle Stop
9	142-0334	*Screw, Fly Mounting
10	142-0539	Screw, Bowl Cover Mounting
11	142-0540	Screw, Pump Cover
12	142-0541	†Gasket, Base to Diaphragm
13	142-0542	†Gasket, Plate to Base
14	142-0543	†Gasket, Sleeve Assembly to Base
15	142-0555	*Diaphragm, Pump
16	142-0544	Spring, Throttle Stop Screw

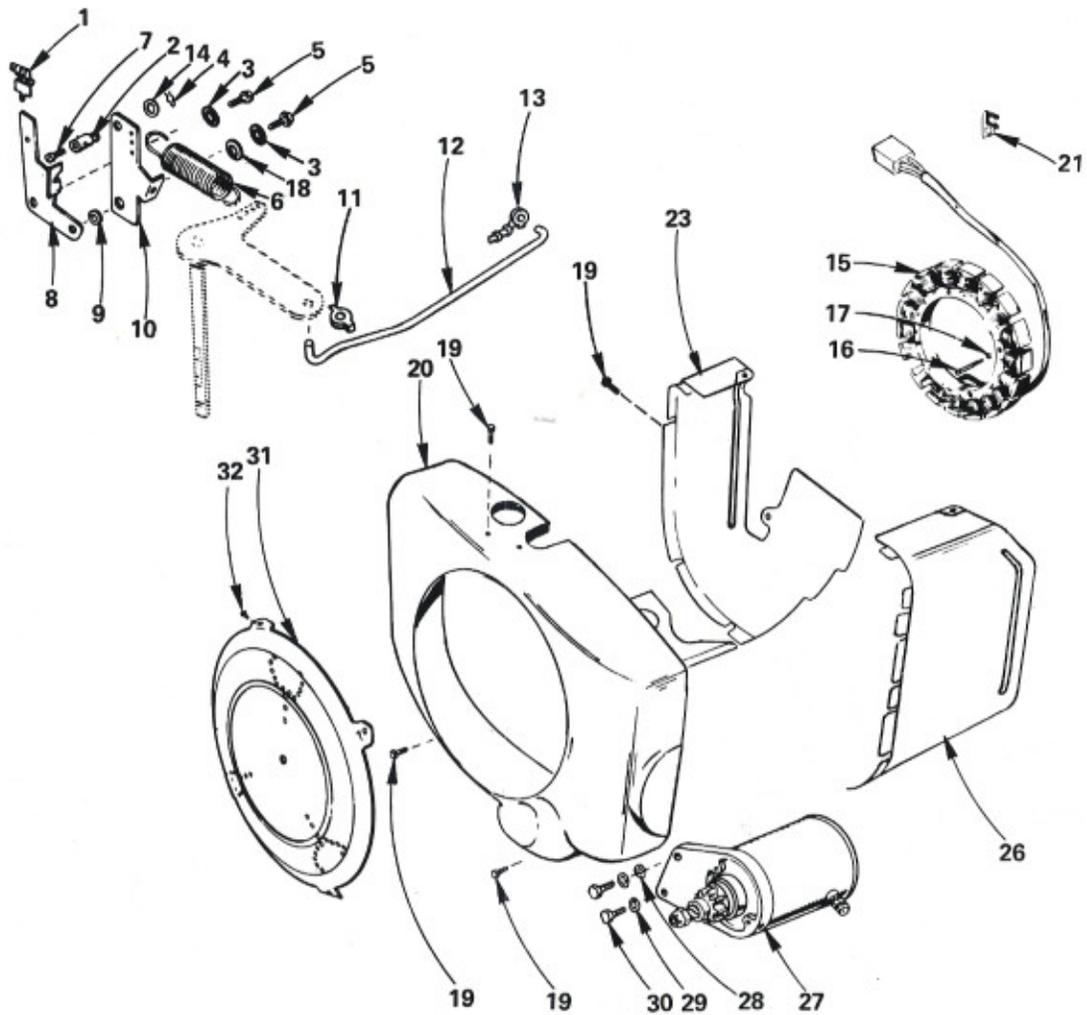
KEY NO.	PART NO.	DESCRIPTION
17	142-0282	*Spring, Idle Needle
18	142-0545	*Spring, Pump Diaphragm
19	142-0546	Fly, Choke
20	142-0547	Float and Lever Assembly
21	142-0548	*Shaft, Float Lever
22	142-0016	*Needle, Idle
23	142-0549	Needle Assembly, Power
24	142-0550	†Gasket, "O" Ring
25	142-0551	Cover, Pump
26	142-0552	*Plate, Pump Spring
27	142-0553	*Valve Assembly, Float
28	142-0554	Clip, Float Valve
	142-0556	*Gasket Set (Includes Parts Marked †)
	142-0557	Repair Kit (Includes Parts Marked *)

† - Included in 142-0556 Gasket Set.
* - Included in 142-0557 Repair Kit.

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REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR MODEL NO. 917.25950

GOVERNOR, STARTER,
CHARGING ALTERNATOR AND
BLOWER HOUSING GROUP



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	518-0176	Clip, Throttle Cable	17	850-0030	Washer, Spring Lock (No. 10)
2	152-0155	Swivel, Throttle Cable	18	526-0214	Flat Washer (1/4")
3	850-0040	Lockwasher (1/4")	19	815-0261	Screw, Hex Head Cap (1/4 - 20 x 7/16")
4	516-0059	Pin, Cotter - Swivel Mounting	20	134-2393	HOUSING, BLOWER Engines without Variable Speed Governor
5	821-0010	Screw, Hex Cap - Flange Locking (1/4 - 20 x 1/2")	21	167-0188	Clip, Alternator Lead Support
6	150-1214	Spring, Governor	23	134-2890	Housing, Cylinder Air - Left
7	815-0104	Screw, Round Head (No: 8 - 32 x 5/16")	26	134-2889	Housing, Cylinder Air - Right
8	150-1343	Bracket, Governor Mounting	27	191-0933	Starter, 12 Volt (For Components see separate group)
9	150-1269	Bushing, Governor Control	28	526-0113	Washer, Flat - Steel (11/32" I.D. x 1" O.D. x 3/32" Thick)
10	150-1345	Arm, Governor Control	29	850-0045	Washer, Spring Lock (5/16")
11	870-0278	Clip, Governor Control Rod to Governor Arm	30	800-0028	Screw, Hex Head Cap (5/16 - 18 x 1")
12	150-1350	Rod, Governor Control	31	134-2606	Guard, Blower Housing
13	518-0004	Clip, Governor Control Rod to Carburetor	32	815-0378	Screw, Ind. Hex Head W/ET (No. 14 x 1/2")
14	526-0006	Flat Washer (No. 12)			
15	191-1102	Stator, Charging Alternator			
16	813-0108	Screw Round Head - Steel (No. 10 - 32 x 1 - 1/2")			

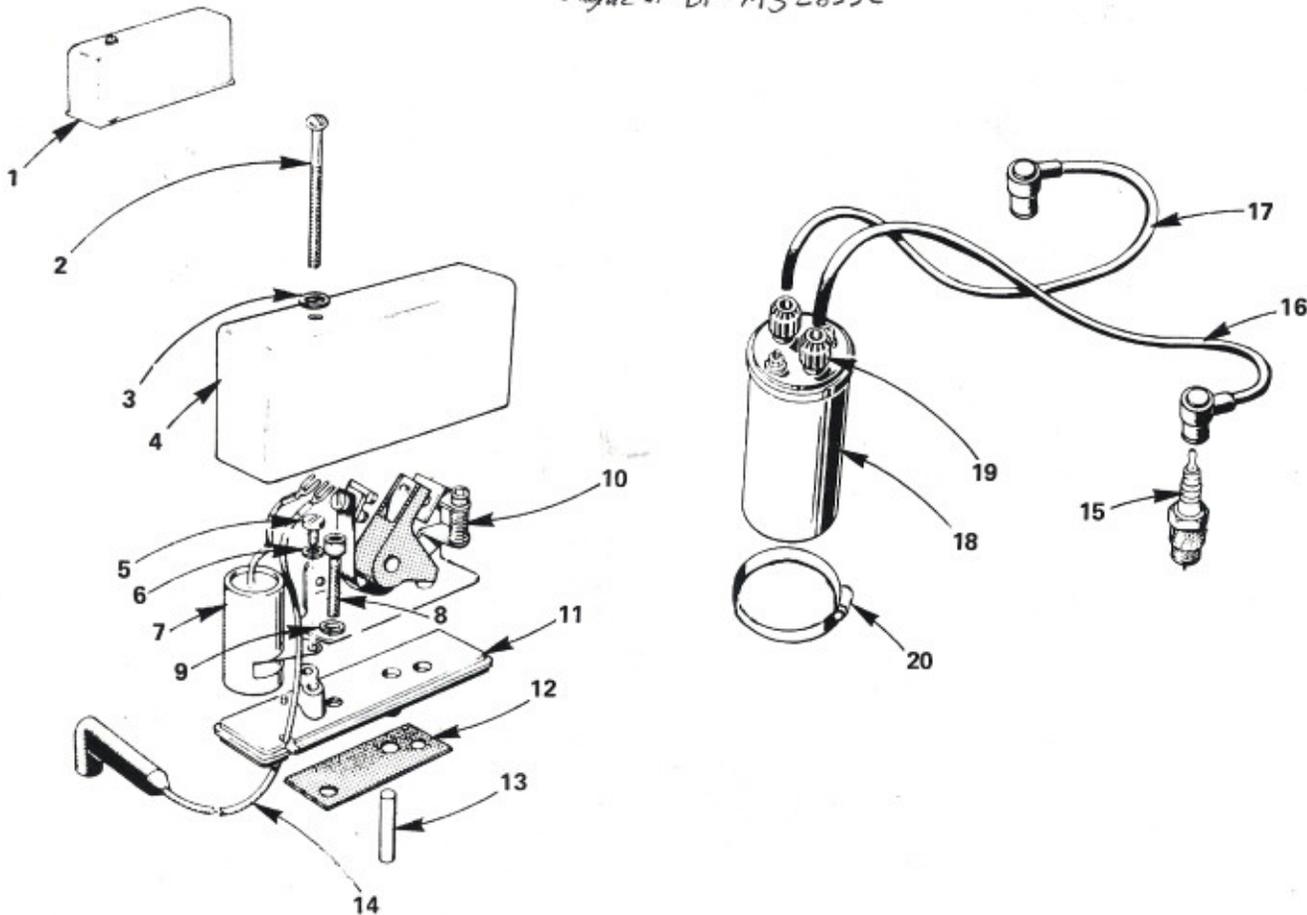
REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

MODEL NO. 917.25950

Engine # BF-MS 2833E

IGNITION GROUP



KEY NO.	PART NO.	DESCRIPTION
1	160-1210	Box Assembly, Breaker (Includes Parts Marked *)
2	812-0108	*Screw, Machine - Round Head (No. 10 - 14 x 1 - 1/2")
3	526-0008	*Washer, Flat (13/64" I.D. x 7/16" O.D. x 1/32" Thick)
4	160-1176	*Cover, Breaker Box
5	815-0358	*Screw, Tapping - Hex Head (No. 8 - 32 x 5/16")
6	850-0025	*Washer, Lock - Spring (No. 8)
7	312-0196	*Condenser, Ignition
8	802-0034	*Screw, Cap - Socket Head (1/4 - 20 x 3/4")
9	850-0038	*Washer, Lock - Spring - High Collar (1/4")
10	160-1183	*Point Assembly, Breaker
11	160-1172	*Base, Breaker Box
12	160-1150	*Gasket, Breaker Box
13	160-1151	Plunger, Breaker Point Assembly
14	336-2132	Lead, Breaker Points to Coil
15	167-0241	Plug, Spark
16	167-1463	Cable, Spark Plug (19")
17	167-1462	Cable, Spark Plug (16 - 3/4")
18	166-0535	Coil, Ignition
19	166-0604	Nut, Coil Cable (Part of 166-0535 Coil)
20	503-0311	Clamp, Coil Mounting

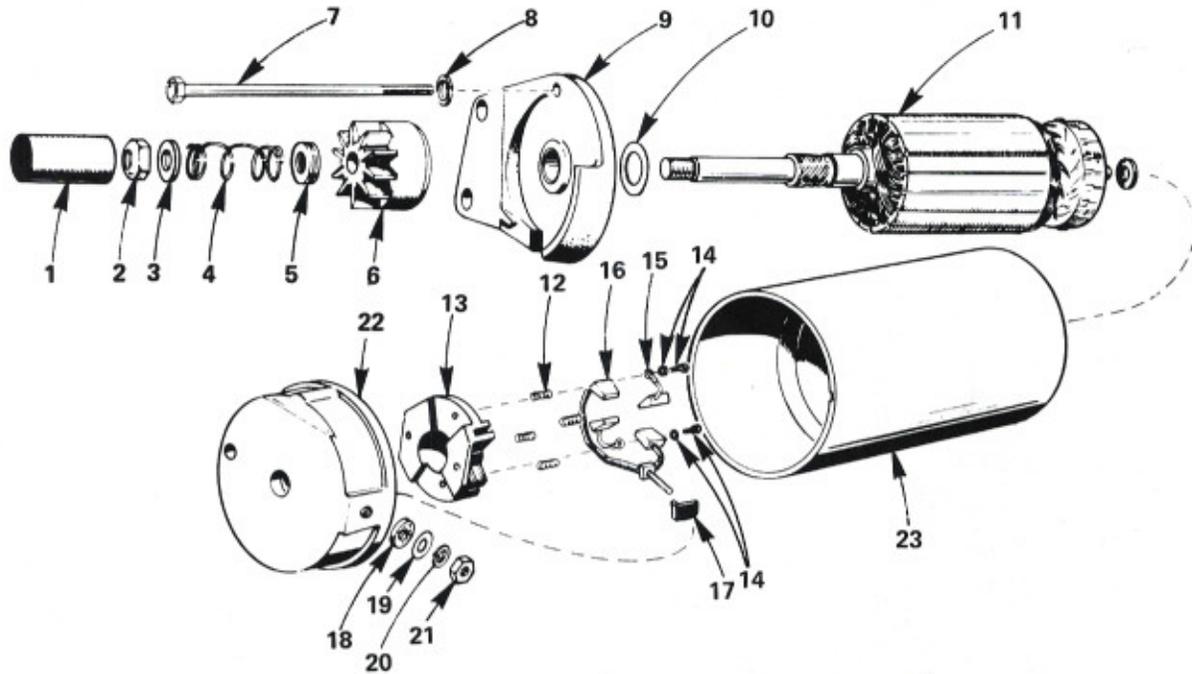
* - Parts included in 160-1210 Breaker Box Assembly.

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

STARTER PARTS GROUP

MODEL NO. 917.25950



KEY NO.	PART NO.	DESCRIPTION
	191-0933	Starter, 12 Volt (Complete)
1	191-1034	Cover, Dust
2	191-1045	Nut, Stop
3	191-1046	Washer, Stop Nut
4	191-1035	Spring, Anti-drift
5	191-1047	Spacer, Dust Cover
6	191-1036	Drive Assembly
7	191-1048	Screw, Hex Cap
8	850-0040	Washer, Lock
9	191-1037	Cap, Assembly, Drive End
10	191-1038	Washer, Armature Thrust
11	191-1039	Armature
12	▲	†*Spring, Brush
13	▲	†Brush Holder
14	▲	†Screw and Lockwasher
15	▲	†*Brush, Ground
16	▲	†*Stud and Brush Assembly, Input
17	▲	†Bushing, Insulation - Input Stud
18	▲	†Washer, Insulation - Input Stud
19	▲	†Washer, Flat - Input Stud
20	▲	†Washer, Lock - Input Stud
21	▲	†Nut, Securing - Input Stud
22	191-1040	Cap Assembly, Commutator (Includes Parts Marked †)
23	▲	Housing, Starter Motor
	191-1041	Repair Kit, Brush, Spring and Stud (Includes Parts Marked *)

† - Included in the 191-1040 Cap Assembly.

* - Included in the 191-1041 Brush, Spring and Stud Kit.

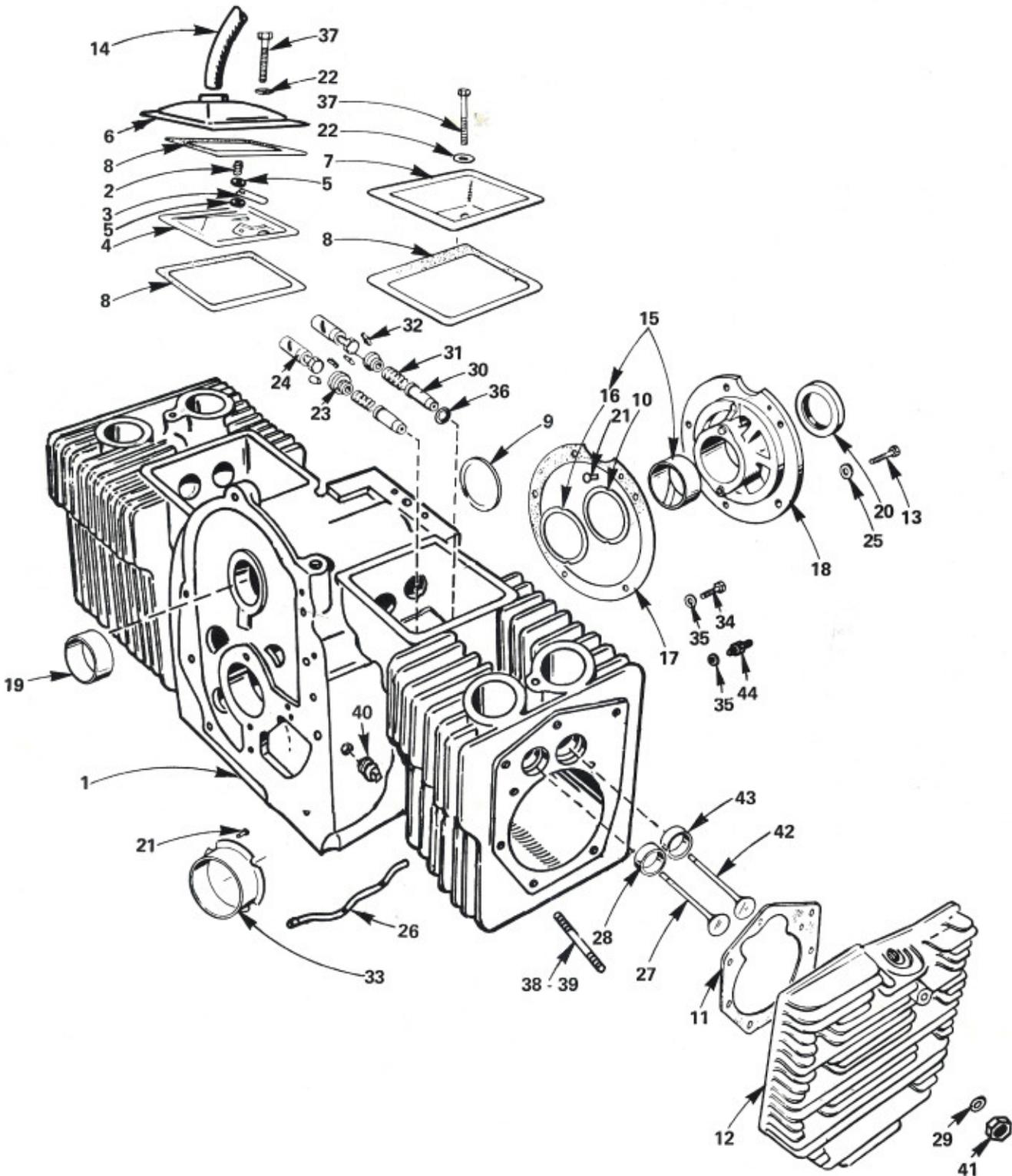
▲ - Not Sold Separately

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

CYLINDER BLOCK GROUP

MODEL NO. 917.25950



REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

CYLINDER BLOCK GROUP

MODEL NO. 917.25950

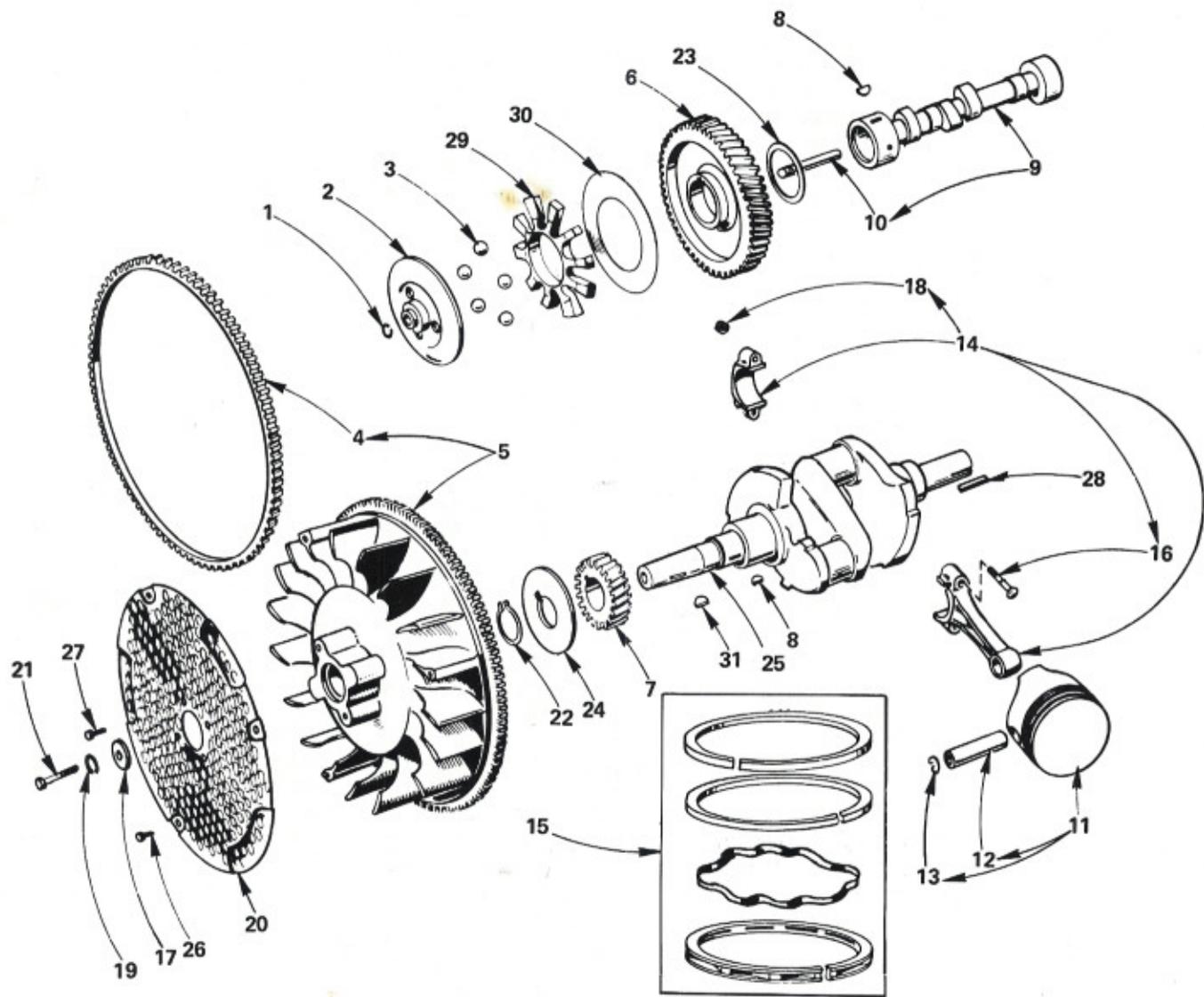
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	110-2351	Block Assembly, Cylinder (Includes Parts Marked †)	28		INSERT, VALVE SEAT EXHAUST
2	123-1174	Spring, Breather Valve	110-0245	†Standard	
3	123-1175	Valve, Breather	110-0245-02	.002" Oversize	
4	123-1173	Baffle, Breather	110-1824-05	.005" Oversize	
5	526-0018	Washer, Flat - Steel (17/64" I.D. x 5/8" O.D. x 1/16" Thick)	110-1824-10	.010" Oversize	
6	110-1878	Cover, Valve Compartment (L.H.)	110-1824-25	.025" Oversize	
7	110-1879	Cover, Valve Compartment (R.H.)	29	526-0122	Washer, Flat - Steel (11/32" I.D. x 23/32" O.D. x 10 Gauge)
8	110-1921	Gasket, Valve Cover	30	110-1807	†Guide, Valve
9	517-0048	†Plug, Extension - Camshaft	31	110-0539	Spring, Valve
10	104-0776	†Shim, Rear Bearing Plate (.005")	32	110-0639	Lock, Valve and Spring Retainer
11	110-1920	Gasket, Cylinder Head	33		*BEARING, CRANKSHAFT - FRONT (FLANGED)
12		HEAD, CYLINDER			
	110-1924	Right Side (No. 2 Cylinder)	101-0432	†Standard	
	110-1925	Left Side (No.1 Cylinder)	101-0432-02	.002" Undersize	
13	800-0051	†Screw, Hex Head Cap - Steel (3/8 - 16 x 1 - 1/4")	101-0432-10	.010" Undersize	
14	123-1176	Tube, Breather	101-0432-20	.020" Undersize	
15		BEARING, CRANKSHAFT - REAR (INCLUDES THRUST WASHER)	101-0432-30	.030" Undersize	
	101-0450	†Standard	34	800-0046	Screw, Hex Head Cap (3/8 - 16 x 1/2") - Cylinder Block Wet Hole
	101-0450-02	.002" Undersize	35	526-0066	Washer, Flat - Copper (25/64" I.D. x 9/16" O.D. x 1/16")
	101-0450-10	.010" Undersize	36	110-0068	†Gasket, Valve Guide (Intake)
	101-0450-20	.020" Undersize	37	800-0010	Screw, Hex Head Cap (1/4 - 20 x 1 - 3/4")
	101-0450-30	.030" Undersize	38	520-0424	Stud (5/16" x 2 - 5/16")
16	104-0575	†*Washer, Crankshaft Bearing Thrust	39	520-0759	Stud (5/16" x 2 - 1/16")
17	101-0415	†Gasket, Bearing Plate	40	502-0080	Pipe Plug - Square Head
18	101-0439	†Plate, Bearing (Excludes Bearings)	41	110-0445	Hex Nut (5/16 - 24)
19	101-0367	†Bearing, Camshaft (Precision)	42	110-1808	Intake Valve
20	509-0041	†Seal, Bearing Plate	43		INSERT, VALVE SEAT INTAKE
21	516-0072	†Pin, Main Bearing Stop		110-0197	*Standard
22	526-0063	Washer, Flat - Copper (17/64" I.D. x 7/16" O.D. x 1/32" Thick)		110-0197-02	.002" Oversize
23	110-0893	Retainer		110-0197-05	.005" Oversize
24		TAPPET, VALVE		110-0197-10	.010" Oversize
	115-0006	Standard		110-0197-25	.025" Oversize
	115-0006-02	.002" Oversize	44	520-0820	Stud (3/8 - 16)
	115-0006-05	.005" Oversize			
25	850-0050	†Washer, Lock (3/8")			
26	120-0706	†Tube, Crankcase Oil			
27	110-1809	Exhaust Valve			

† - Included in 110-2351 Cylinder Block Assembly

* - Replacement Front Flange Bearing replaces unflanged bearing and thrust washer.

REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR

CRANKSHAFT, FLYWHEEL, CAMSHAFT MODEL NO. 917.25950
AND PISTON GROUP



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REPAIR PARTS: SS/16 TWIN-GARDEN TRACTOR

CRANKSHAFT, FLYWHEEL, CAMSHAFT AND PISTON GROUP **MODEL NO. 917.25950**

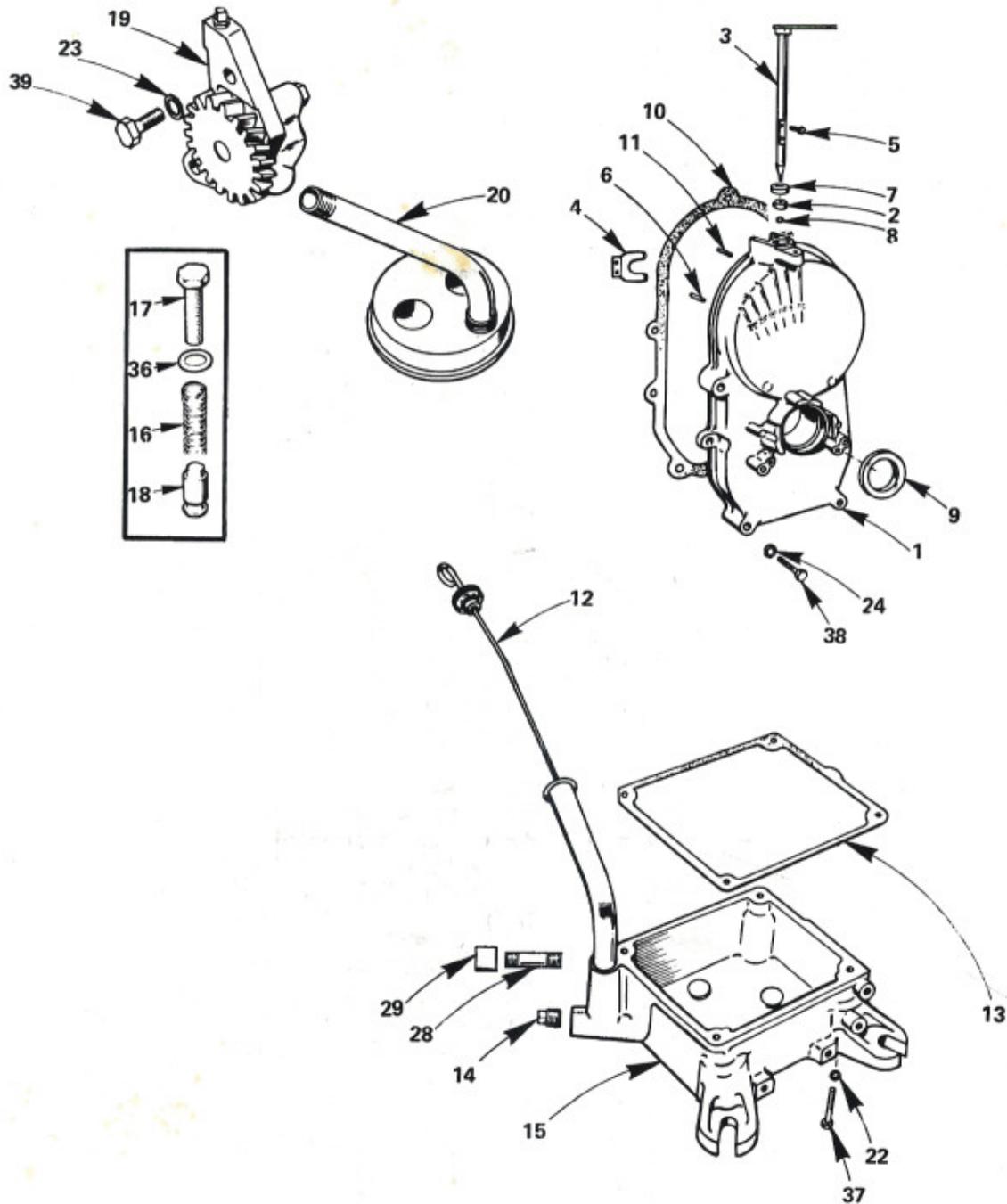
KEY NO.	PART NO.	DESCRIPTION
1	150-0078	Ring, Camshaft Center Pin
2	150-1116	Cup, Governor
3	510-0015	Ball, Fly - Governor
4	104-0779	Gear, Ring - Flywheel
5	134-2432	Flywheel (Includes Ring Gear and Magnet Ring)
6	105-0332	Gear, Camshaft (Includes Flyball Spacer and Plate)
7	104-0032	Gear, Crankshaft
8	515-0001	Key (1/2" Diameter x 1/8")
9	105-0402	Camshaft (Includes Center Pin)
10	150-0075	Pin, Camshaft Center
11		PISTON AND PIN (INCLUDES RETAINING RINGS)
	112-0134	Standard
	112-0134-05	.005" Oversize
	112-0134-10	.010" Oversize
	112-0134-20	.020" Oversize
	112-0134-30	.030" Oversize
	112-0134-40	.040" Oversize
12	112-0122	Pin, Piston
13	518-0311	Ring, Piston Pin Retaining
14	114-0225	Rod Assembly, Connecting
15		RING SET, PISTON
	113-0174	Standard
	113-0174-05	.005" Oversize
	113-0174-10	.010" Oversize
	113-0174-20	.020" Oversize
	113-0174-30	.030" Oversize
	113-0174-40	.040" Oversize
16	114-0228	Bolt, Special - Connecting Rod
17	526-0017	Washer, Flat - Steel (15/32" I.D. x 1 - 1/4" O.D. x 1/4" Thick)
18	870-0137	Nut, Locking - Connecting Rod Cap
19	850-0055	Washer, Spring Lock (7/16")
20	134-2384	Guard, Flywheel
21	104-0170	Screw, Hex Head Cap (7/16 - 14 x 4")
22	518-0014	Ring, Retaining - Crankshaft Gear Washer
23	105-0004	Washer, Camshaft Gear Thrust
24	104-0043	Washer, Crankshaft Gear Retainer
25	104-0889	Crankshaft
26	821-0010	Screw, Hex Head Cap - Locking Flange (1/4 - 20 x 1/2")
27	821-0014	Screw, Hex Head Cap - Locking Flange (5/16 - 18 x 1/2")
28	515-0103	Key, Crankshaft Stub (1/4 x 1/4 x 2)
29	150-1257	Spacer, Governor Flywheel
30	150-0077	Plate, Governor Flyball
31	515-0227	Key Kit

REPAIR PARTS:

SS/16 TWIN-GARDEN TRACTOR

GEAR COVER, OIL BASE AND
OIL PUMP GROUP

MODEL NO. 917.25950



REPAIR PARTS:**SS/16 TWIN-GARDEN TRACTOR
MODEL NO. 917.25950**GEAR COVER, OIL BASE AND
OIL PUMP GROUP

KEY NO.	PART NO.	DESCRIPTION
1	103-0498	Cover Assembly, Gear (Includes Parts Marked *)
2	510-0105	*Bearing, Governor Shaft
3	150-1470	*Shaft and Arm Assembly, Governor
4	150-1187	*Yoke Governor Shaft
5	815-0046	*Screw, Yoke Retaining
6	516-0130	*Pin, Governor Cup Stop
7	509-0008	*Seal, Oil - Governor Shaft
8	510-0014	*Ball, Bearing - Governor Shaft
9	509-0040	*Seal, Gear Cover
10	103-0408	Gasket, Gear Cover
11	516-0141	Pin, Gear Cover Mounting (5/16 x 7/8")
12	123-1138	Cap and Indicator, Oil Fill
13	102-0693	Gasket, Oil Base Mounting
14	505-0056	Plug, Oil Drain
15		BASE, OIL
	102-0741	For Engines With Extended Oil Drain
16	120-0140	Spring, Oil By-Pass Valve
17	801-0050	Screw, Hex Head Cap (3/8 - 24 x 1") - Oil By - Pass
18	120-0398	Valve, Oil By - Pass
19	120-0491	Pump, Oil - Complete (NOTE: Internal parts not sold separately)
20	120-0713	Intake, Oil Pump (Includes: Cup, Screen and Pipe)
22	850-0050	Washer, Spring Lock (3/8")
23	850-0040	Washer, Spring Lock (1/4")
24	526-0065	Washer, Flat - Copper (21/64" I.D. x 9/16" O.D. x 1/16" Thick)
28	505-0176	Nipple, Pipe - Oil Drain (1/2 x 3 - 1/2")
29	505-0158	Cap, Pipe (1/2")
36	526-0066	Washer, Flat - Copper (25/64" I.D. x 9/16" O.D. x 1/16" Thick) - By - Pass Valve
37	800-0056	Screw, Hex Head Cap (3/8 - 16 x 2 - 1/2")
38	800-0032	Screw, Hex Head Cap (5/16 - 18 x 1 - 3/4") - Gear Cover Mounting
38	800-0034	Screw, Hex Head Cap (5/16 - 18 x 2 - 1/4") - Gear Cover Mounting
39	800-0007	Screw, Hex Head Cap (1/4 - 20 x 1")

* - Included in Gear Cover Assembly.

Sears

**MODEL NO.
917.25950**

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".

PARTS 1-800-366-7278

1800 927 7957

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