

Sears

**OWNERS
MANUAL**

**MODEL NO.
917.257120**

**Caution:
Read Rules for
Safe Operation
and Instructions
Carefully**

Alvin Long



GT 18 GARDEN TRACTOR

**Assembly
Installation
Operation
Repairs Parts**



YARD CARE

MODEL NUMBER _____
 SERIAL NUMBER _____
 THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE BATTERY HEAT SHIELD, IN FRONT OF THE BATTERY.

YOU SHOULD RECORD BOTH MODEL AND SERIAL NUMBERS AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

CONGRATULATIONS on your purchase of a Sears GT 18 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. store. They have competent, well-trained technicians and the proper tools and parts to service or repair this unit.

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

YOUR NEW GT 18 GARDEN TRACTOR FEATURES...

CRAFTSMAN OVERHEAD VALVE 18 H.P. ENGINE--cool-running performance and long life with plenty of power to take on a variety of yard, gardening or snow removal tasks.

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

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

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

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

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

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

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

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

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

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



GARDENS



SNOW REMOVAL

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FULL ONE YEAR WARRANTY ON ELECTRIC START GARDEN TRACTOR

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

If this Garden Tractor is used for commercial or rental purposes, this warranty applies for only 30 days from the date of purchase.

FULL 90-DAY WARRANTY ON BATTERY

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

LIMITED WARRANTY ON BATTERY

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

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

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

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

WARNING

This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

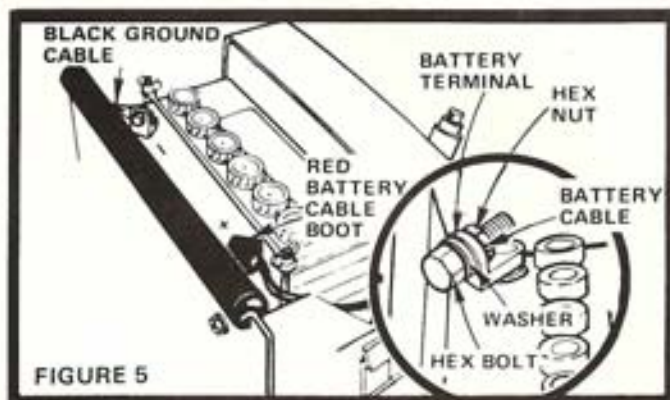
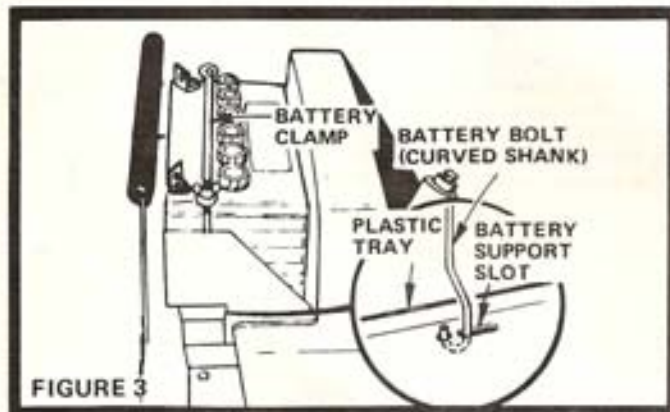
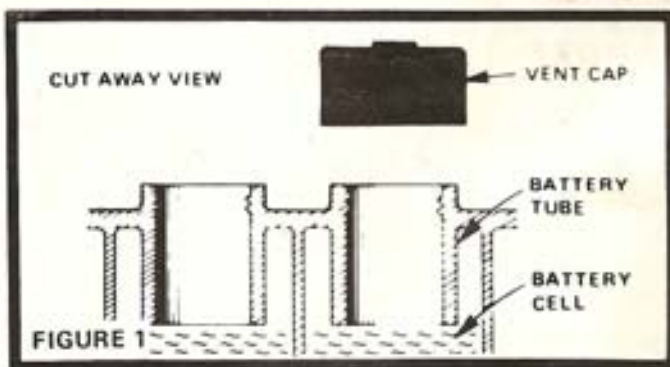
In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. See your Sears Authorized Service Center for spark arrester muffler part number 6383R.



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

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. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in drivers seat.
7. Always get on or off your tractor from the operators left hand side.
8. Clear the work area of objects which might be picked up and thrown.
9. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs.
12. Disengage power to attachments when transporting or not in use.
13. 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.
14. 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.
15. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
16. Do not shift gears while going up or down slopes. Choose a gear low enough to negotiate the slope without stopping and shifting gears. To reduce speed, move throttle lever to slow.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign object.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in the deflector (discharge chute) or near any moving parts while tractor or mower are running. Always keep clear of discharge chute.
23. 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 counterweight or wheel weights when suggested in this owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. 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.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease.
31. Except for adjustment; DO NOT operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. DO NOT OPERATE WITHOUT A MUFFLER OR TAMPER WITH THE EXHAUST SYSTEM. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. 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.
34. Do not change the engine governor settings or overspeed the engine.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
 - c. Shut the engine off when removing the grass catcher or unclogging chute.
 - d. Check the blade mounting bolts for proper tightness at frequent intervals.
36. Check the grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.
37. Do not operate the Mower without either the entire grass catcher, on mowers so equipped, or the deflector shield in place.



To assemble and adjust your Tractor you will need:

two 7/16", one 9/16" and one 3/4" Wrenches.

NOTE: Right Hand (R.H.) and Left Hand (L.H.) are determined from operator's position while seated on tractor.

ASSEMBLY

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



WEAR EYE AND FACE SHIELD.

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



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

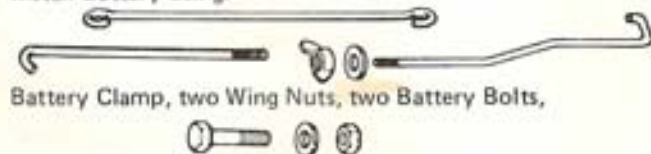
- b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten Vent Caps securely.
- c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

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

3. Install Battery using:



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

- a. Push down and slightly spread rear sides of Hood to release Hood Latches. Lift Hood from rear sides (Fig. 2).
- b. Remove tape from Plastic Tray. Position Plastic Tray so that drain hole in Tray is over round hole of Battery Support.
- c. Place Battery in Plastic Tray (Battery Terminals to front of Tractor) (Fig. 3).

NOTE: TIGHTEN WING NUTS SECURELY USING YOUR THUMB AND FOREFINGER. DO NOT USE TOOLS. OVER TIGHTENING MAY OVERSTRESS OR CRACK THE BATTERY CASE.

- d. Hook the curved shank Battery Bolt into slot on the left side of Battery Support (Fig. 3). Fasten Battery Clamp to Battery Bolt with a Flat Washer and Wing Nut.
- e. Hook the straight shank Battery Bolt into slot in R.H. Hood Latch and fasten Battery Clamp with a Flat Washer and Wing Nut (Fig. 4). Tighten Wing Nuts securely.
- f. Place a Flat Washer over the end of a Hex Bolt. Secure RED Battery Cable to Positive (+) Battery Terminal with a Hex Bolt, Washer and Hex Nut (Fig. 5). Tighten Nut securely. Place Boot over Terminal.



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

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

4. Install Steering Wheel using:



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



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

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

NOTE: A SPARK ARRESTER MUFFLER (PAGE 13) IS AVAILABLE AS AN ACCESSORY PART FOR YOUR TRACTOR. CHECK LEGAL REQUIREMENTS IN YOUR AREA.

INITIAL ADJUSTMENTS

- REDUCE TIRE PRESSURE TO 14 POUNDS IN FRONT TIRES AND 12 POUNDS IN 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 RETIGHTENING NUT AFTER ADJUSTMENT MAKE SURE SEAT PLATE HAS NOT TWISTED OUT OF ALIGNMENT WITH SEAT SPRING.

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, screw it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F. or 0°C.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F. or -17.8°C.) use S.A.E. 5W20 (SC, SD or SE). NOTE: DO NOT OVERFILL.
- Fill Fuel Tank (Fig. 7) with fresh regular grade lead-free or leaded gasoline. Capacity is 3 - 1/4 gallons. NOTE: DO NOT SWITCH FROM LEADED TO LEAD-FREE GASOLINE.



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



FIGURE 6

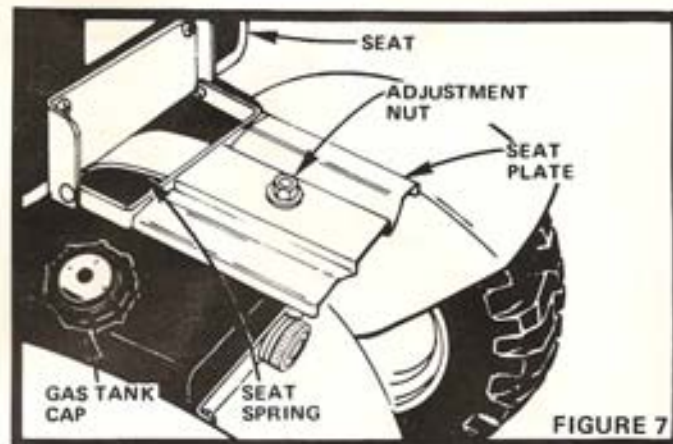


FIGURE 7



FIGURE 8

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



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

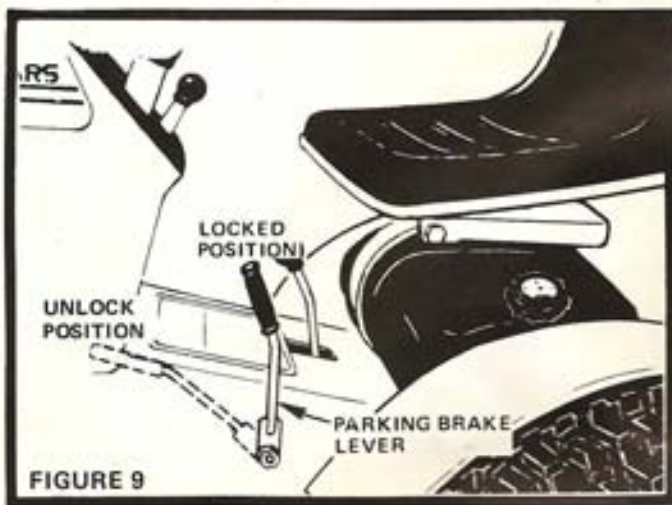


FIGURE 9

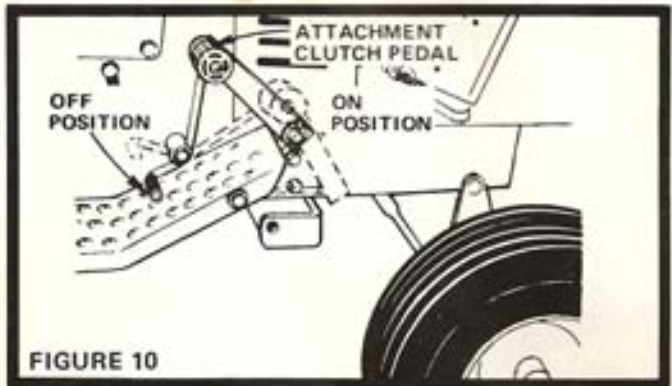


FIGURE 10

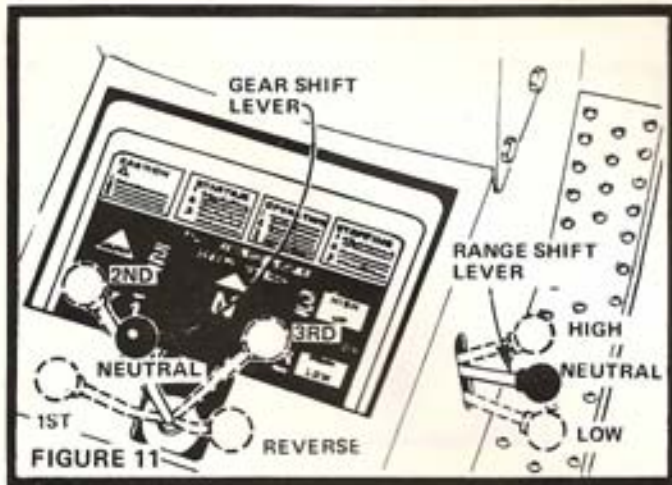


FIGURE 11

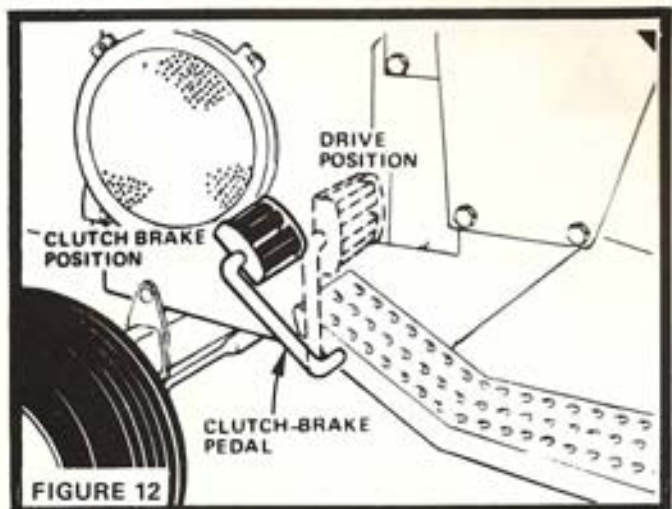


FIGURE 12

OPERATION



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift transmission to neutral.
 - b. Set parking brake.
 - c. Disengage attachment clutch.
 - d. Shut off engine.
 - e. Remove ignition key.
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

STARTING THE ENGINE

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

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

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

WARMING UP THE ENGINE

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

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



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



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

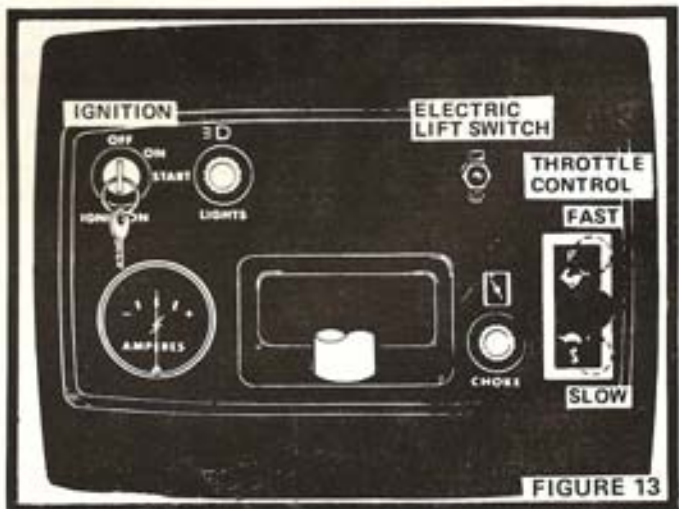


FIGURE 13

TRACTOR OPERATION

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



BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.



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



DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASS CATCHER, ON MOWERS SO EQUIPPED, OR THE DEFLECTOR SHIELD IN PLACE.

STOPPING YOUR TRACTOR

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



MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.

7. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

TRANSPORTING YOUR TRACTOR

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

TRACTOR OPERATION ON HILLS

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



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

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

NOTE: ALWAYS OPERATE ENGINE AT FULL ENGINE RPM WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE, LONG ENGINE LIFE AND PROPER DISCHARGE OF CUT MATERIAL.

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.



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

FIRST 2 HOURS:

1. CHECK V-BELT TENSION

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

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



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

NOTE: FOR LONGER V-BELT LIFE, ALWAYS KEEP BELT TENSIONED PROPERLY. START TRACTOR MOVEMENT WITH THROTTLE CONTROL IN MIDDLE POSITION, AND ALWAYS REPLACE WITH SIMPSON-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. or 0°C.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F. or -17.8°C.) use S.A.E. 5W20 (SC, SD or SE). Capacity is 52 ounces. **NOTE: DO NOT OVERFILL.**

FREQUENTLY

1. CHECK BATTERY

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

2. CHECK TIRE PRESSURE

Tire pressure in front Tires should be 14 pounds; rear Tires 12 pounds.

3. CLEAN AIR SCREEN

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

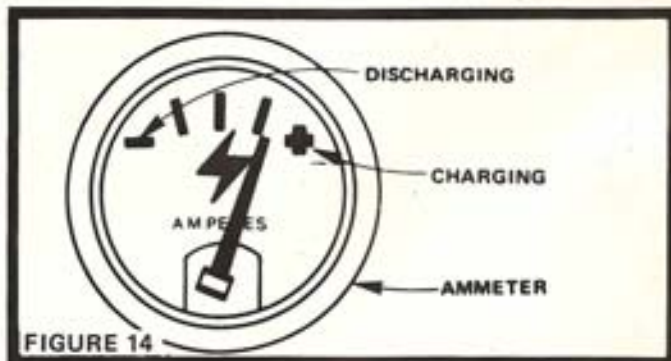


FIGURE 14

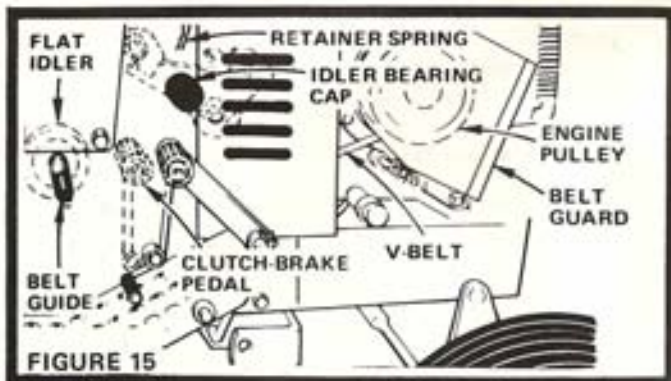


FIGURE 15



FIGURE 16



FIGURE 17

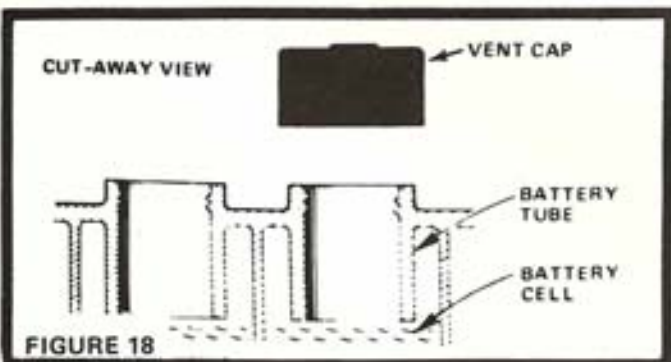


FIGURE 18

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, Oil Fill Plug must be seated fully and tightened and/or locked securely into oil fill hole when checking 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. or 0°C.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F. or - 17.8°C.) use S.A.E. 5W20 (SC, SD or SE). NOTE: DO NOT OVERFILL.

2. LUBRICATE STEERING AND FRONT WHEELS

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

3. OIL PIVOT POINTS

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

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

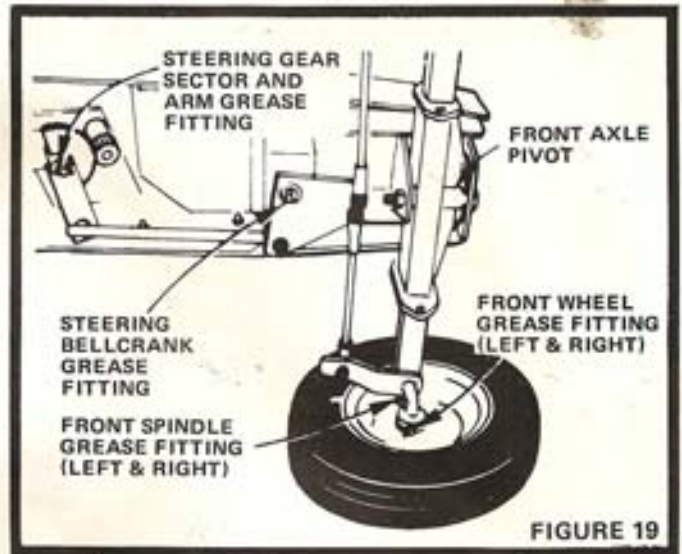


FIGURE 19

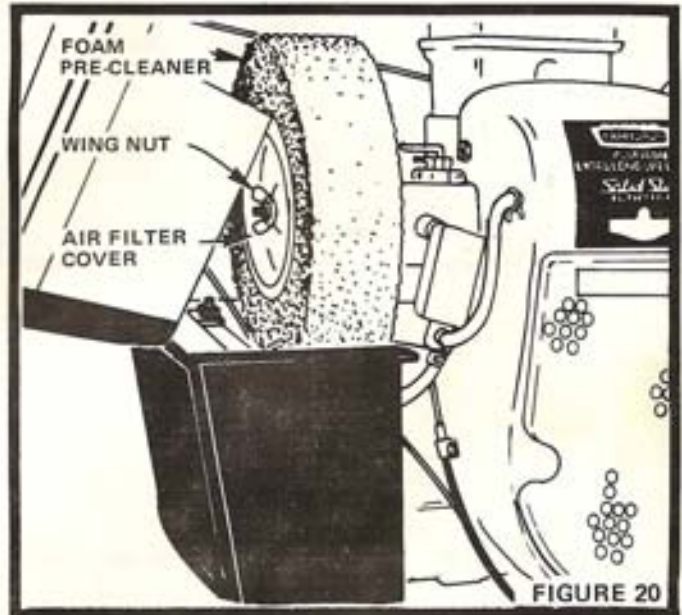


FIGURE 20

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.

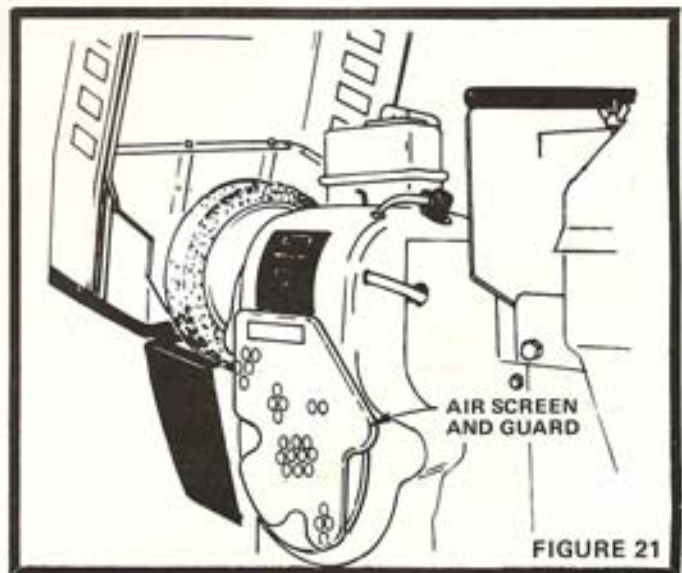
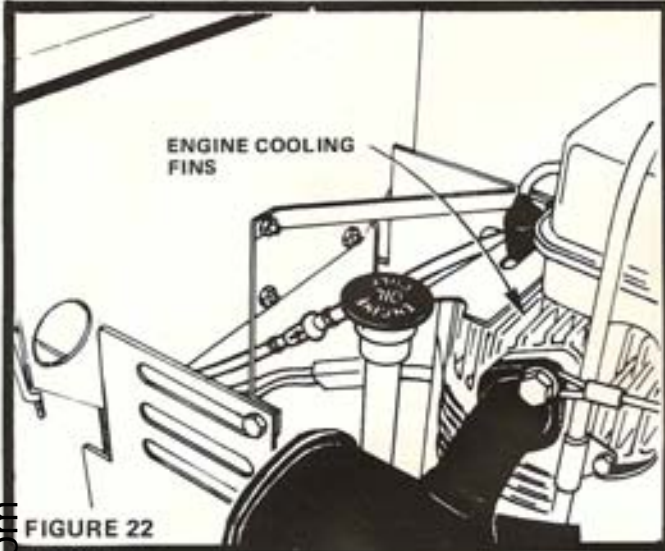


FIGURE 21

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 to prevent Engine damage from overheating. Remove Blower Housing and Shielding and clean areas shown in Fig. 22.

2. CHECK TRANSAXLE OIL LEVEL

- Block up Rear Axle securely or use a Tractor Jack. Remove left rear wheel by removing Klip Ring (Fig. 32).
- Remove Filler Plug (Fig. 23) from Transaxle. Oil Level should be even with Filler Plug threads. Add S.A.E. 30 Motor Oil if necessary.
- Check Pressure Relief Valve located on R.H. side near top (Fig. 25). It should spring completely closed when pulled out by hand and released.
- Reposition wheel. Secure with Klip Ring.

3. SPARK ARRESTER EQUIPPED MUFFLER

If engine muffler is equipped with spark arrester muffler, remove every 50 hours for cleaning and inspection. Replace if damaged.



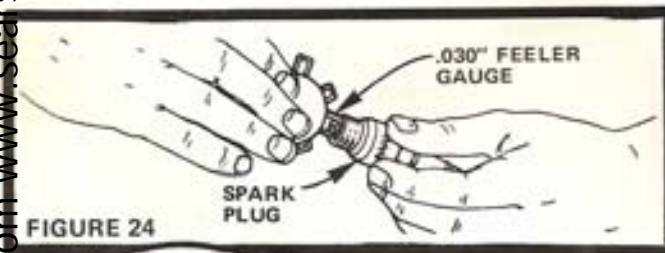
EVERY 100 HOURS

1. REPLACE SPARK PLUG

At the beginning of each season or every 100 hours of operation, whichever comes first. Gap at .030" (Fig. 24).

2. LUBRICATE BALL JOINTS

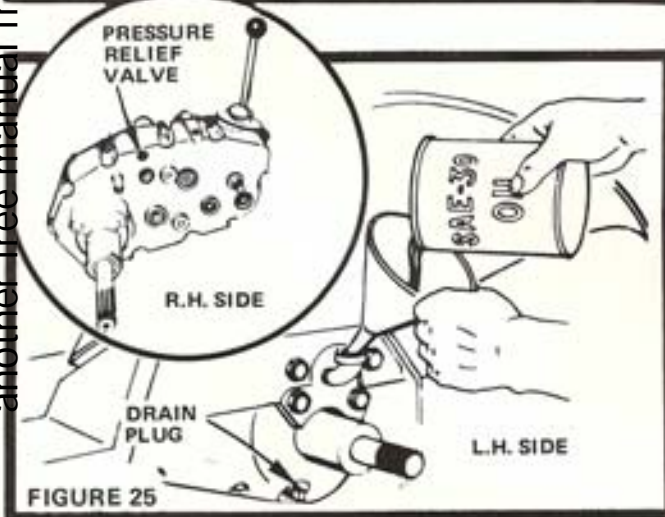
- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 27).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.



EVERY 200 HOURS

REPLACE AIR CLEANER PAPER CARTRIDGE.

Refer to page 7.



EVERY 480 HOURS

1. CHANGE TRANSAXLE OIL

- Block up Rear Axle securely or use a Tractor Jack. Remove Left Rear Wheel by removing Klip Ring (Fig. 32).
- Drain Transaxle Oil by removing Drain Plug (Fig. 25) and catching Oil in a suitable container. Replace Drain Plug.
- Refill Transaxle with S.A.E. 30 (SC, SD or SE) Motor Oil. Capacity is 5 quarts. Pressure Relief Valve (R.H. side of Transaxle, Fig. 25- Inset) may be held open to allow Transaxle to fill more quickly.
- Check Pressure Relief Valve. It should spring completely closed when pulled out by hand and released.
- Reposition wheel. Secure with Klip Ring.

AS NEEDED

1. REPLACE IN-LINE FUEL FILTER

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

- With Engine cool, remove and plug Fuel Line Sections as removed from both ends of Fuel Filter (Fig. 26).
- Place new Fuel Filter in position in Fuel Line (arrow on side of Filter in direction of fuel flow).



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

2. TOE-IN ADJUSTMENT

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

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

3. BRAKE ADJUSTMENT

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

- Loosen Nut (Fig. 28) in order to turn turnbuckle clockwise (from in front of tractor) one turn at a time until Clutch-Brake Pedal regains 4 inches of travel.
- Tighten Nut against Turnbuckle.

4. PARKING BRAKE ADJUSTMENT

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

- Loosen Parking Brake Hex Nuts Second and First (Fig. 28).
- Place Parking Brake Lever in locked position.
- Hold Clutch-Brake Pedal in brake position and tighten First Hex Nut finger tight against Bushing.
- Release Clutch-Brake Pedal and turn First Hex Nut two turns more against Bushing.
- Tighten Second Hex Nut against First Hex Nut.

5. CARBURETOR ADJUSTMENT

The carburetor on this engine is equipped with a non-adjustable main fuel mixture jet which in most cases will eliminate the need for carburetor adjustments. If the engine does not idle properly, the idle fuel mixture needle may need adjustment.

- Turn idle adjustment needle (Fig. 29) clockwise closing finger tight ONLY. Then turn counterclockwise one turn.



REFER TO "STARTING THE ENGINE" PAGE 4.

- Start engine and allow to warm for five minutes.
- Make final adjustment with engine running and throttle control in slow position. Gear shift lever should be in neutral position.
 - Turn idle adjusting needle 1/8 of a turn at a time counterclockwise until engine runs "rough", then clockwise until engine again runs "rough". Return screw to a point midway between these extremes. NOTE: ALLOW SEVERAL SECONDS BETWEEN EACH ADJUSTMENT SO THAT THE ENGINE MAY REACT TO EACH SETTING.
 - Throttle stop screw (Fig. 29) should not require adjustment. If resetting is necessary, set to obtain the slowest engine speed at idle (throttle control in slow position) that will allow smooth acceleration.

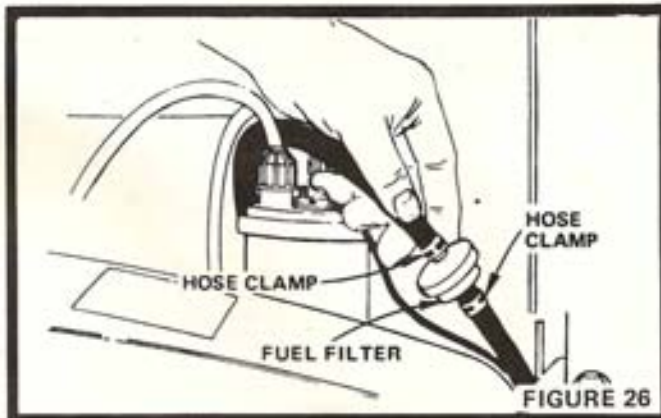


FIGURE 26

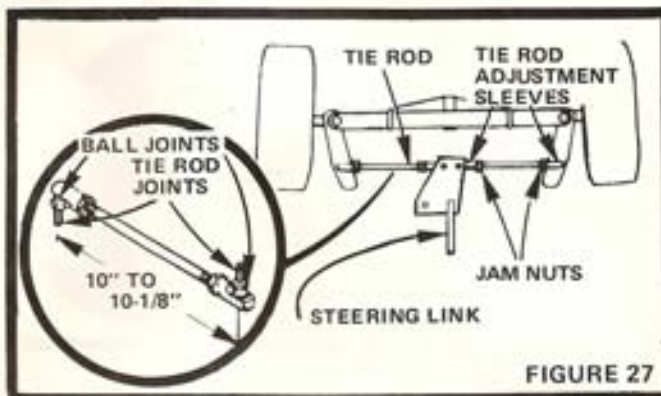


FIGURE 27

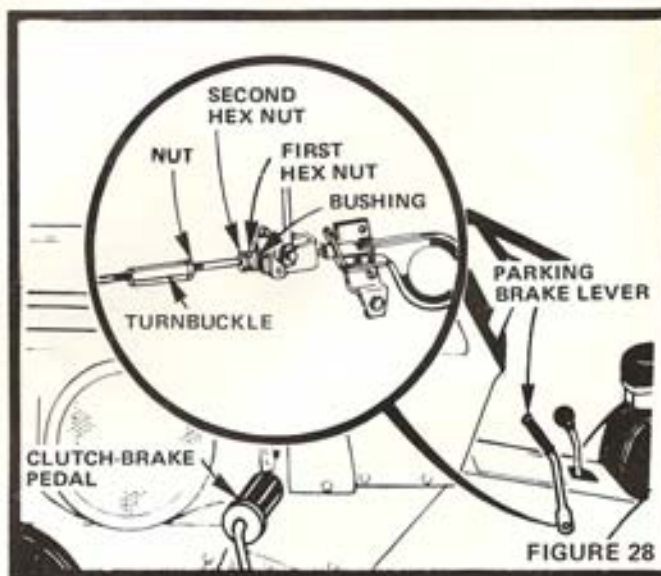


FIGURE 28

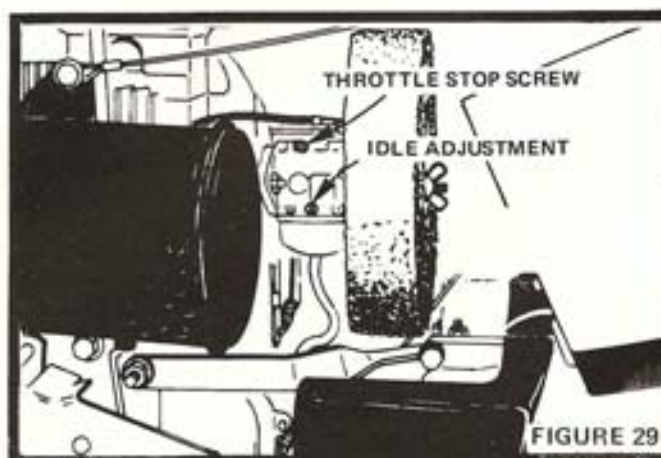


FIGURE 29

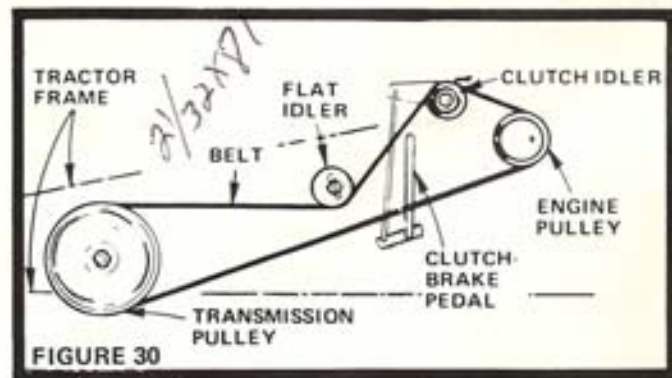


FIGURE 30

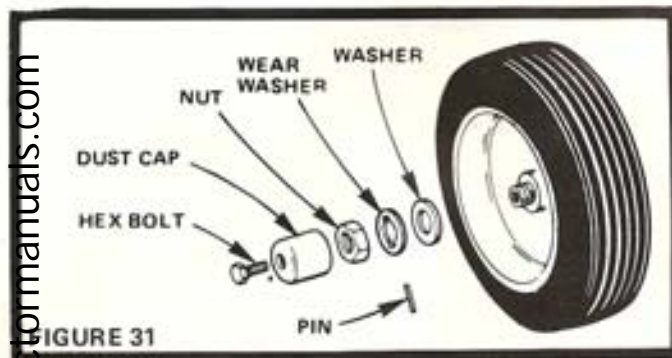


FIGURE 31



FIGURE 32

6. RE-TENSION V-BELT

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



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

7. V-BELT REPLACEMENT

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

8. CLEAN BATTERY AND TERMINALS

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

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

9. TIRE CARE

- Maintain tire pressure of 14 pounds in front tires and 12 pounds in rear tires.
- Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- Removing front wheel for tire repair (Fig. 31).
 - Block up front axle securely or use a Tractor Jack.
 - Remove Hex Bolt and Dust Cap.
 - Remove Nut, Wear Washer, Pin and Washer to allow wheel removal.
 - Repair tire and reassemble.
- Removing rear wheel for tire repair (Fig. 32).
 - Block up rear axle securely or use a Tractor jack.
 - Remove Klip Ring to allow wheel removal.
 - Repair tire and reassemble. Snap Klip Ring securely in axle groove.

10. FINISH

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

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TROUBLE SHOOTING

POSSIBLE CAUSE

POSSIBLE REMEDY

WILL NOT START

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

Press Pedal into brake position (Fig. 12)
Move Pedal to "OFF" position (Fig. 10)
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 (Fig. 13)
Remove and replace (Fig. 26)
Remove and clean
Remove and clean (Fig. 20)
Replace Spark Plug (Fig. 24)
Recharge or replace
Check the wiring and Spark Plug
Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plug
Make necessary adjustments (Fig. 29)

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 (Fig. 11) or reduce load
Remove and replace (Fig. 26)
Remove and clean
Remove and clean (Fig. 20)
Make necessary adjustments (Fig. 29)
Clean Air Screen and Cylinder Fins (Fig's. 21 and 22)
Add or change oil (Fig's. 16 and 17)
Replace Spark Plug (Fig. 24)
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 (Fig. 21)
Add or change oil (Fig's. 16 and 17)
Clean Cylinder Fins (Fig. 22)
Remove and clean Muffler
Remove and clean (Fig. 20)
Use fresh fuel and adjust Carburetor (Fig. 29)

NO LIGHTS

No Headlights or Taillight with Light Switch Knob pulled out

Check Fuse, Wire Connections and Switch. 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 cylinders.
- 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.
- Recharge each month if necessary. 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

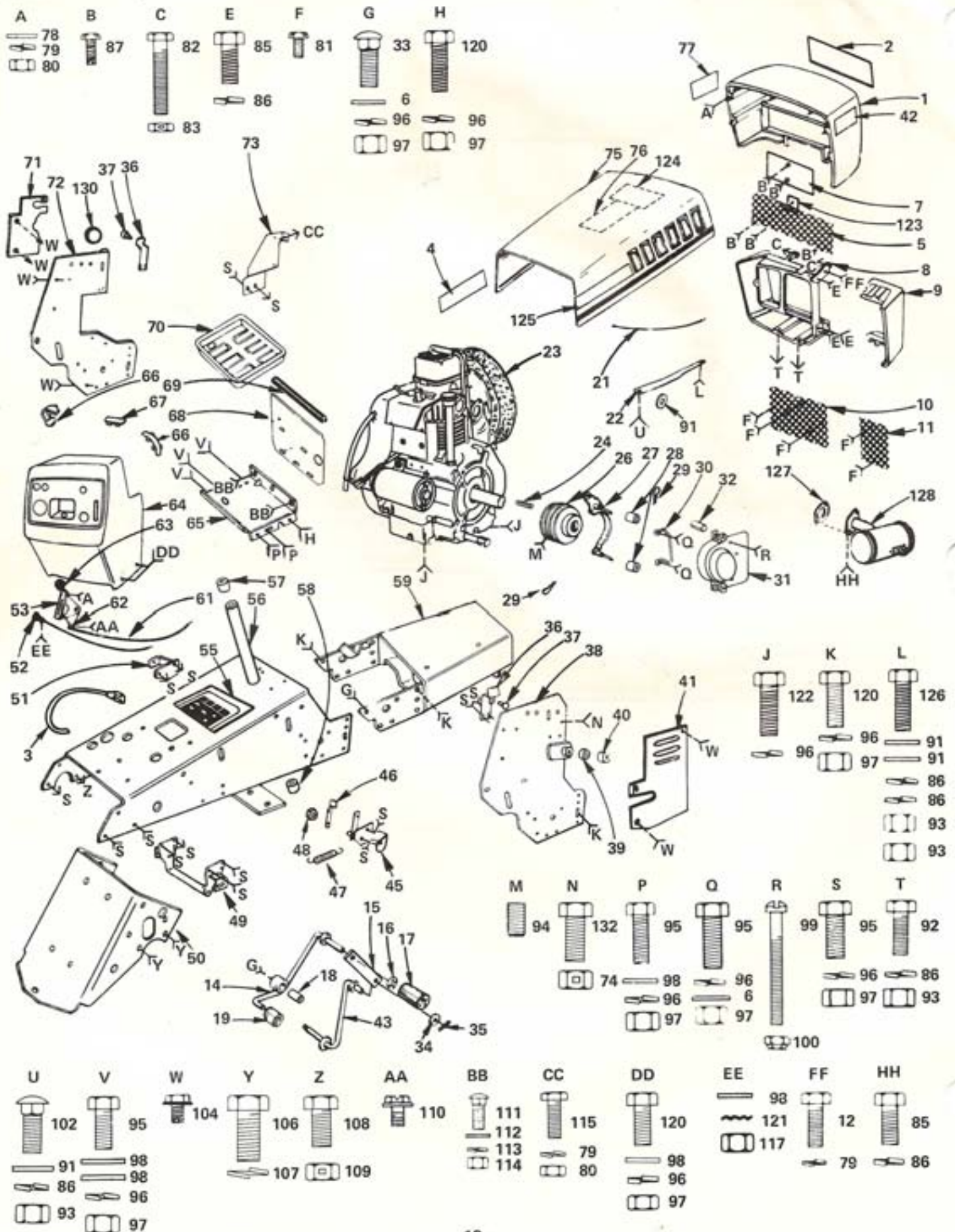
Clean engine, battery, seat, finish, etc. of all foreign matter.

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

REPAIR PARTS

18 H.P. GARDEN TRACTOR-MODEL NUMBER 917.257120

MAIN FRAME, DASH AND GRILL



REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

MAIN FRAME, DASH AND GRILL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	911J	Grill - Upper	71	3051J	Cover - L.H.
2	2872J	Decal - Grill	72	112J	Bracket - Battery Support
3	6106R	Cable Tie	73	1181J	Bracket - Rectifier
4	1733J	Decal - Hood, L.H., Rear	74	1685H	Locknut 5/16 - 18 UNC
5	2794R	Grill Screen - Center	75	634A680	Hood Ass'y.
6	1557P	Washer 13/32 x 13/16 x 11 Ga.	76	8028R	Decal - Maintenance
7	290J	Grill Panel - Upper	77	1599J	Decal - Grill - L.H.
8	7937R	Grill - Lower	78	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
9	7938R	Grill Side	79	STD551125	*Lockwasher 1/4
10	2674R	Grill Screen - L.H.	80	STD541025	*Hex Nut 1/4 - 20 UNC
11	2673R	Grill Screen - R.H.	81	STD601003	*Phillips Pan Hd. Thd. Self Tap. 10 - 24 x 3/8 Type T
12	STD522507	*Hex Bolt 1/4 - 20 x 3/4	82	STD522515	*Hex Bolt 1/4 - 20 x 1 - 1/2 Grade 5
14	634A901	Attachment Clutch Pedal Weldment	83	1605H	Locknut 1/4 - 20 UNC
15	89J	Link	85	STD523107	*Hex Bolt 5/16 - 18 x 3/4 Gr. 5
16	92J	Speed Nut - Push-On	86	STD551131	*Lockwasher 5/16
17	93J	Rubber Pedal	87	STD611005	*Phillips Pan Hd. Thd. Self Tap. 10 - 16 Hi-Lo Thd. x 1/2
18	91J	Pivot Spacer	91	STD551031	*Washer 11/32 x 11/16 x 16 Ga.
19	267J	Foot Pedal	92	STD523112	*Hex Bolt 5/16 - 18 x 1 - 1/4
21	7900R	Grill Cable	93	STD541031	*Hex Nut 5/16 - 18 UNC
22	7899R	Grill Brace	94	4546P	Socket Hdless. Set Screw 5/16 - 18 x 1/2
23	673A285	Engine, Craftsman 18 H.P. Model No. 143.700012	95	STD523710	*Hex Bolt 3/8 - 16 x 1
24	9396E	Sq. Key 1/4 x 2	96	STD551137	*Lockwasher 3/8
26	634A104	Engine Pulley (Inc. 2 ea. Key No. 94)	97	STD541037	*Hex Nut 3/8 - 16 UNC
27	673A289	Belt Guide Weldment	98	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
28	8704H1	Spacer	99	3154P	Slt. Fil. Hd. Machine Screw 1/4 - 20 x 2 - 1/4
29	4939M	Retainer Spring	100	347J	Huglock Nut 1/4 - 20 UNC
30	9011H	Belt Retainer	102	STD533107	*Carriage Bolt 5/16 - 18 x 3/4
31	634A660	Belt Guard Weldment	104	5557P	Hex Washer Hd. Tapping Screw 1/4 - 20 x 1/2 Type 1
32	8238H	Split Spacer	105	STD533710	*Sq. Neck Carriage Bolt - Short Shoulder 3/8 - 16 x 1 Gr. 5
33	50P	Sq. Neck Carriage Bolt 3/8 - 16 x 2 - 1/4	106	3035P	Hex Bolt 7/16 - 14 x 1 - 1/4
34	1545P	Washer 17/32 x 1 x 16 Ga.	107	STD551143	*Lockwasher 7/16
35	STD561210	*Cotter Pin 1/8 x 1	108	STD523707	*Hex Bolt 3/8 - 16 x 3/4
36	634A900	Hood Latch Assembly	109	5394H	Locknut 3/8 - 16 UNC
37	8457R	Bumper	110	6055P	Hex Slt. Hd. Machine Screw w/Sems Int. Tooth Lockwasher 10 - 32 x 1/4
38	673A283	Battery Support Bracket (Inc. Key 39)	111	53P	Sq. Neck Carriage Bolt 10 - 24 x 1/2
39	7756R	Bearing	112	1535P	Washer 7/32 x 7/16 x 18 Ga.
40	8006R	Cap	113	STD551110	*Lockwasher No. 10
41	7905R	Cover - R.H.	114	STD541010	*Hex Nut 10 - 24 UNC
42	1598J	Decal - Grill - R.H.	115	STD522505	*Hex Bolt 1/4 - 20 x 1/2
43	634A902	Lever Weldment	117	STD541137	*Hex Nut 3/8 - 24 UNF
45	634A785	Hanger Weldment R.H. - Front	120	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4 Gr. 5
46	7944R	Belt Tightener Arm	121	1402P	Ext. Tooth Lockwasher - 3/8
47	7948R	Return Spring	122	3022P	Hex Bolt 3/8 - 16 x 7/8
48	7810H	Locknut 3/8 - 24 UNF	123	8768H	Mounting Clip
49	634A814	Hanger Weldment - Rear	124	9878R	Decal - Wiring
50	634A787	Drawbar and Weldnuts	125	1732J	Decal - Hood, R.H., Rear
51	634A355	Hanger Weldment - L.H. - Front	126	STD523110	*Bolt, Hex 5/16 - 18 x 1
52	8591R	Choke Control	127	2949R	Gasket
53	3052J	Throttle Remote Control (Inc. Key 61, 62 & 63)	128	3058J	Muffler
55	1596R	Decal - Shift Pattern	130	7830R	Grommet
56	673A268	Chassis Ass'y. (Inc. Key 57 & 58)	132	STD523108	*Bolt, Hex 5/16 - 18 x 7/8
57	6468H	Bearing - Upper			
58	4766H	Bearing - Lower			
59	673A282	Engine Mount Ass'y.			
61	8205R	Throttle Wire & Casing			
62	8204R	Clamp			
63	1550J	Throttle Control Knob			
64	634A893	Dashboard (Inc. Key No's. 66 & 67)			
65	106J	Battery Support			
66	1998R	Clip - Dashboard, Side			
67	8571R	Clip - Dashboard, Center			
68	2773J	Battery Heat Shield			
69	7874R	Hood Seal			
70	8855R	Battery Tray			

OPTIONAL EQUIPMENT

Spark Arrestor Muffler

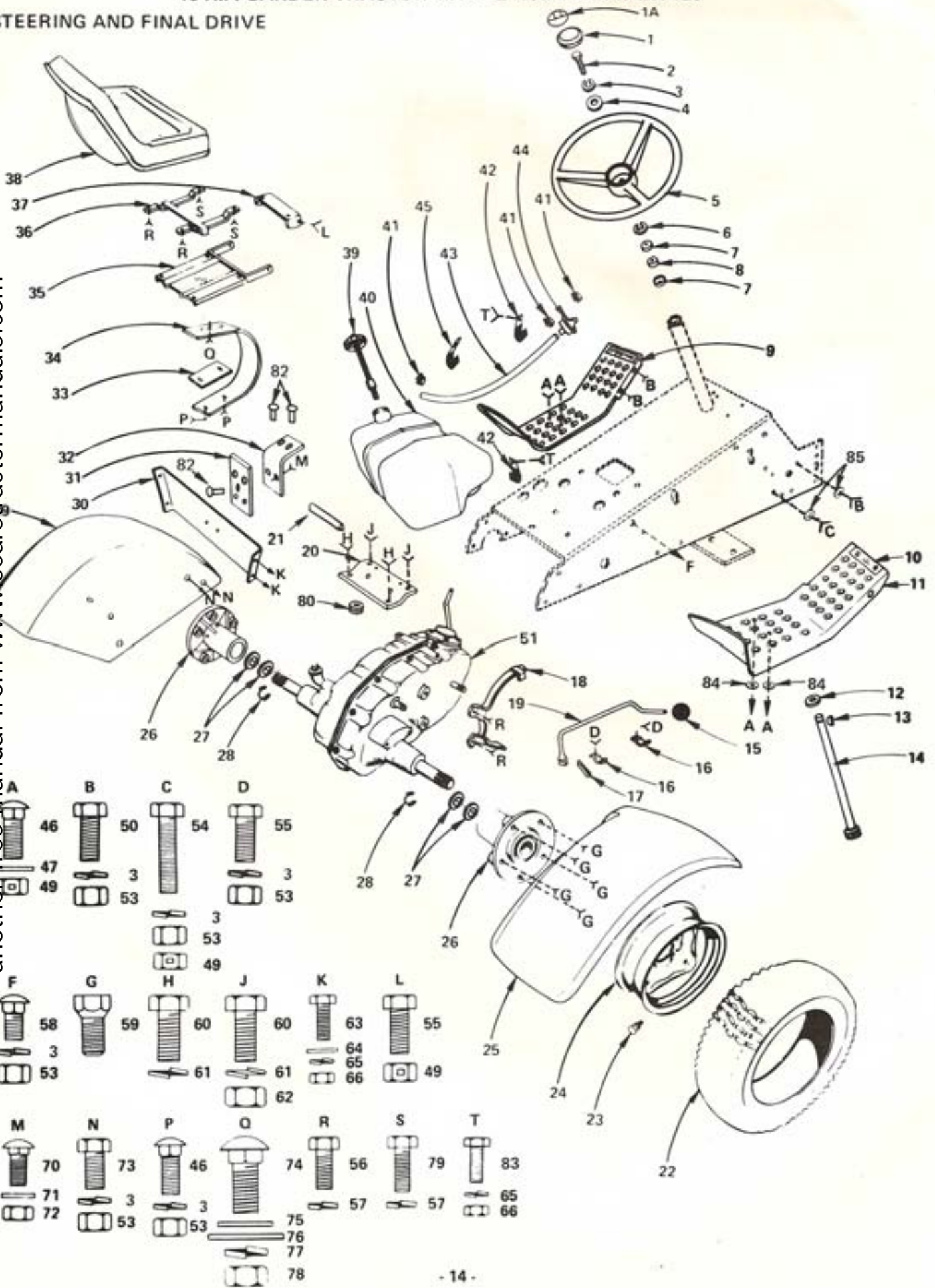
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REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

STEERING AND FINAL DRIVE

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REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

STEERING, AND FINAL DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	641J	Steering Wheel Insert	46	61P	Sq. Nk. Sht. Carr. Bolt 3/8 - 16 x 1 Gr. 5
1A	1600J	Decal - Sears	47	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
2	STD523710	*Hex Bolt 3/8 - 16 x 1	49	5394H	Locknut 3/8 UNC
3	STD551137	*Lockwasher 3/8	50	STD523712	*Hex Bolt 3/8 - 16 x 1 - 1/4
4	1559P	Washer 7/16 x 1 x 10 Ga.	51	633X18	Transaxle (See Pages 20 & 21 for parts break down)
5	4820R	Steering Wheel	53	STD541037	*Hex Nut 3/8 - 16 UNC
6	5003P	E-Ring	54	STD523715	*Hex Bolt 3/8 - 16 x 1 - 1/2
7	9007H	Cap	55	3022P	Hex Bolt 3/8 - 16 x 7/8
8	5949H	Rubber Bushing	56	STD523107	*Hex Bolt 5/16 - 18 x 3/4
9	7903R	Foot Rest - L.H.	57	STD551131	*Lockwasher 5/16
10	8900R	Decal (Attach. Clutch)	58	STD533707	*Sq. Neck Carriage Bolt 3/8 - 16 x 3/4
11	7904R	Foot Rest - R.H.	59	1304H	Hub Bolt
12	1553P	Washer 57/64 x 1 - 1/4 x 16 Ga.	60	3034P	Hex Bolt 7/16 - 14 x 1
13	9858M1	Woodruff Key 3/16 x 5/8	61	STD551143	*Lockwasher 7/16
14	634A626	Steering Shaft and Pinion	62	STD541043	*Hex Nut 7/16 - 14 UNC
15	6364H	Control Knob	63	STD522507	*Hex Bolt 1/4 - 20 x 3/4
16	6442H	Shift Rod Bracket	64	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
17	2511P	Cotter Pin 3/16 x 1	65	STD551125	*Lockwasher 1/4
18	634A22A	Belt Guide - Transaxle	66	STD541025	*Hex Nut 1/4 - 20 UNC
19	6477H	Range Shift Rod	70	STD533107	*Short Shoulder Sq. Neck Carriage Bolt 5/16 - 18 x 3/4
20	9594R	Bracket - Transaxle	71	STD551031	*Washer 11/32 x 11/16 x 16 Ga.
21	8674R	Seat Stop	72	1685H	Locknut 5/16 - 18 UNC
22	3802J	Rear Tire	73	STD523707	*Hex Bolt 3/8 - 16 x 3/4
23	795R	Tire Valve	74	STD535012	*Carriage Bolt 1/2 - 13 x 1 - 1/4 Gr. 5
24	9528R	Rear Wheel 12 x 7 JA	75	1578P	Washer 3/4 x 1 - 1/8 x 11 Ga.
25	9428R	Fender - R.H.	76	1560P	Washer 17/32 x 1 - 1/2 x 11 Ga.
26	634A692	Rear Wheel Hub and Bushing	77	STD551150	*Lockwasher 1/2
27	7563R	Axle Thrust Washer	78	STD541050	*Hex Nut 1/2 - 13 UNC
28	5845R	Klip Ring	79	STD523108	*Hex Bolt 5/16 - 18 x 7/8
29	9427R	Fender - L.H.	80	9547R	Rubber Grommet
30	2656R	Bracket - Taillight	82	124J	Rubber Bumper
31	125J	Seat Stop Bracket	83	STD522506	*Bolt, Hex 1/4 - 20 x 5/8
32	126J	Fuel Tank Retainer	84	3053J	Insulator - Foot Rest
33	8141H	Seat Spring Reinforcement	85	3054J	Insulator - Foot Rest
34	7898R	Seat Spring	---	3019J	Tag - Sound Rating
35	634A776	Seat Plate Weldment	---	53J	Warranty Tag
36	634A532	Seat Bracket Weldment	---	3050J	Owners Manual
37	7897R	Bracket, Seat Pivot			
38	1677J	Seat			
39	2329J	Fuel Gauge			
40	7885R	Fuel Tank			
41	6999R	Fuel Line Clamp			
42	2751R	Clip - Fuel Line			
43	897J	Fuel Line			
44	2887J	Filter - Fuel			
45	9297R	Clip - Fuel Line			

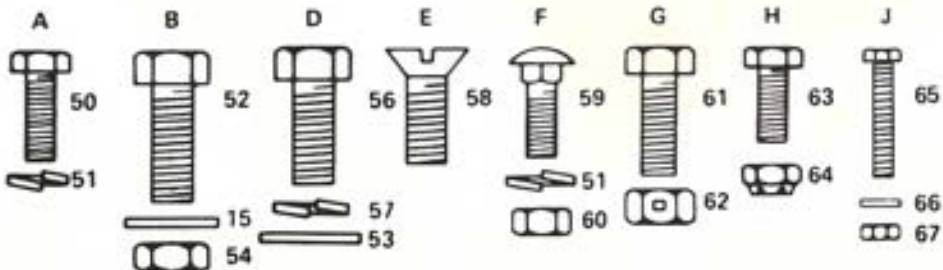
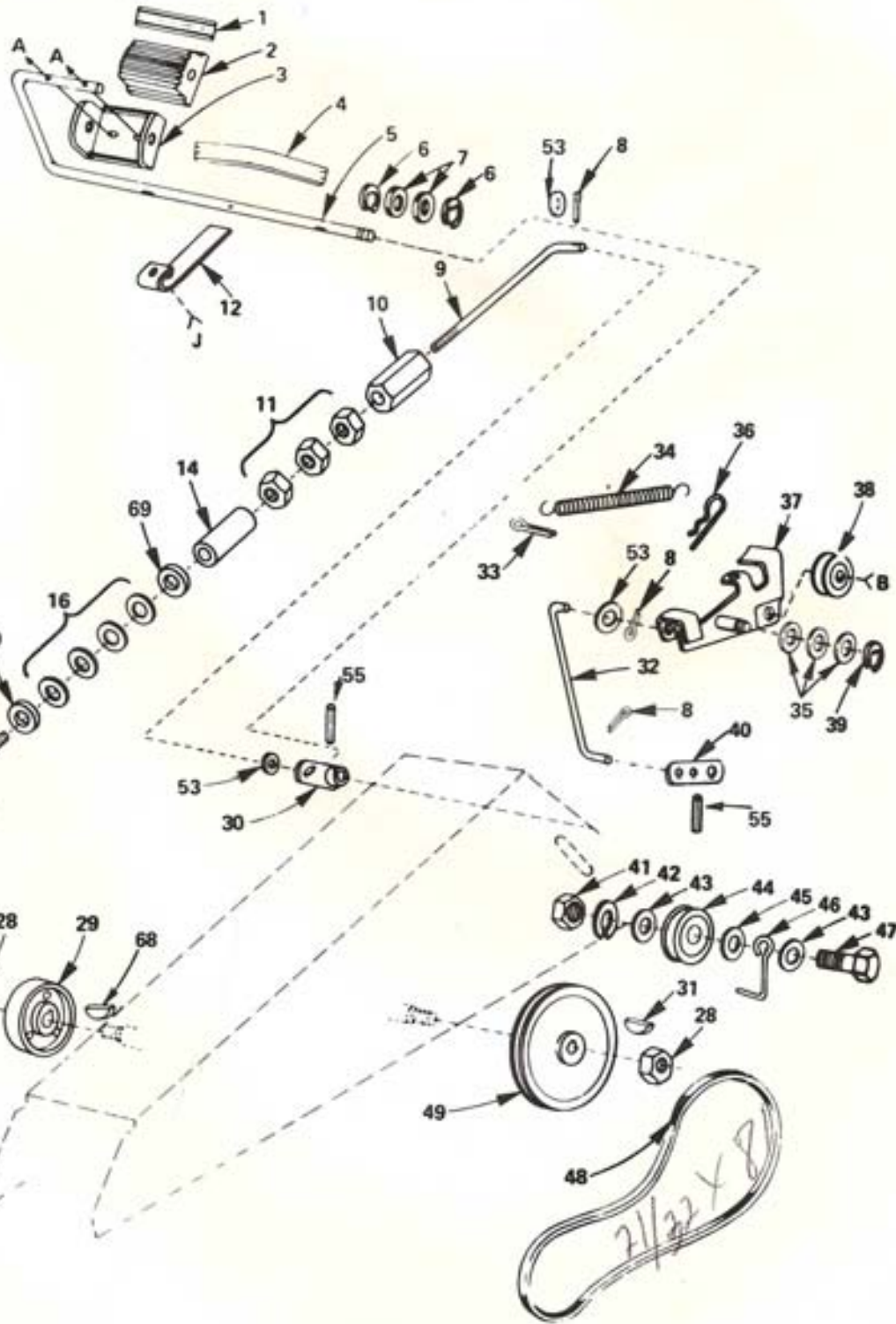
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BRAKE AND CLUTCH

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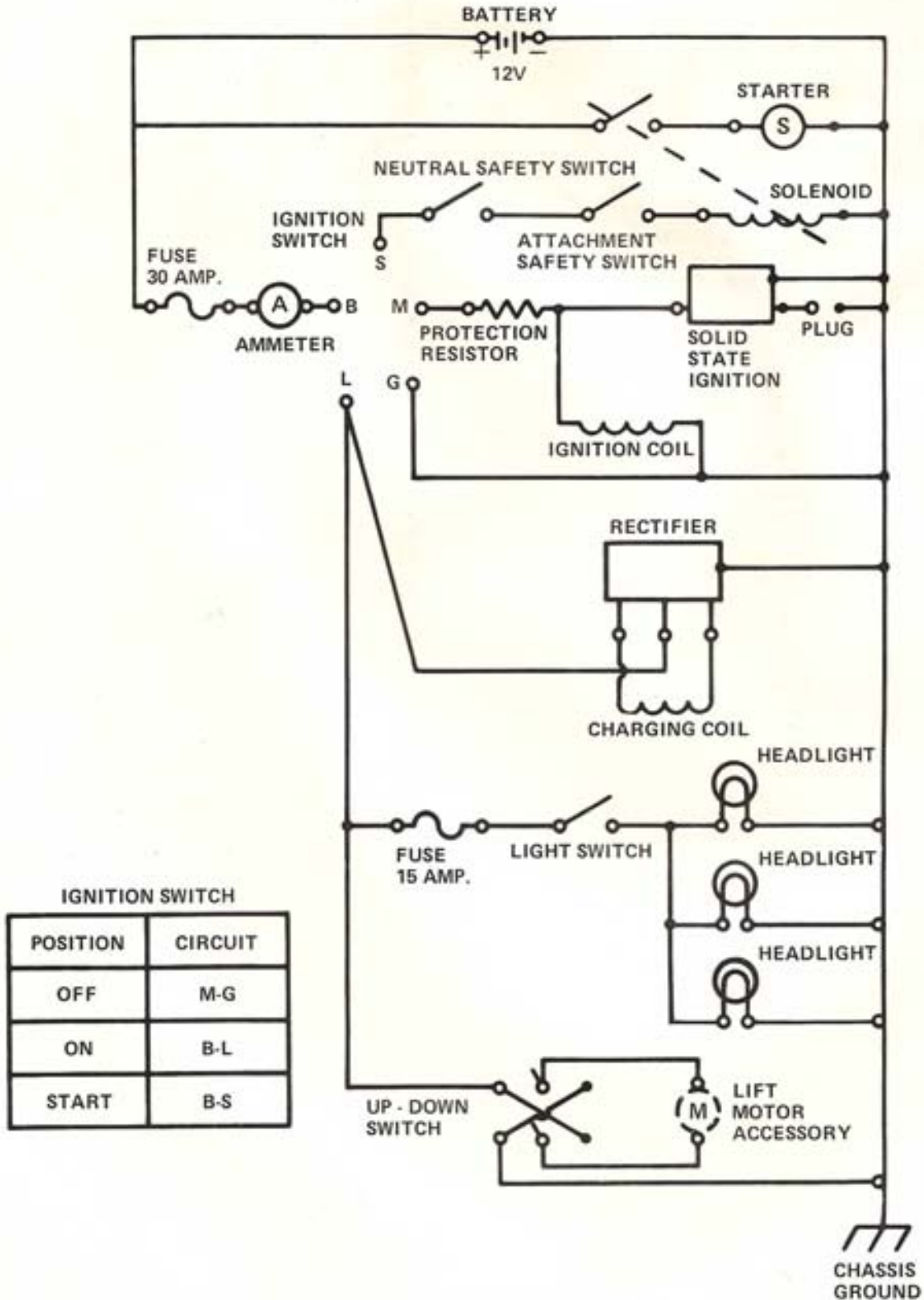
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8899R	Insert - Clutch/Brake	37	673A259	Idler Bracket Assembly
2	8882R	Foot Pedal	38	6636H	Idler
3	8765H	Foot Pedal Bracket	39	5025P	Klip Ring
4	9008H	Spring	40	634A898	Steering Arm Weldment
5	2776J	Foot Pedal Shaft	41	STD541043	*Hex Nut 7/16 - 14 UNC
6	5023P	Klip Ring	42	STD551143	*Lockwasher 7/16
7	1527P	Washer 21/32 x 7/8 x 16 Ga.	43	1544P	Washer 15/32 x 15/16 x 16 Ga.
8	2505P	Cotter Pin 1/8 x 3/4	44	6635H	Flat Idler
9	2202R	Brake Rod - Front	45	1639P	Washer 15/32 I.D. x 1 - 1/8 x 11 Ga.
10	6417H	Turnbuckle	46	6479H1	Belt Guide Finger
11	STD541037	*Hex Nut 3/8 - 16 UNC	47	3262P	Hex Bolt 7/16 - 14 x 2 - 1/2
12	7823R	Safety Switch Actuator	48	6474H	V-Belt <i>2 1/2 x 9 1/2"</i>
14	2201R	Bushing	49	6461H2	Pulley, Transaxle
15	1557P	Washer 13/32 x 13/16 x 11 Ga.	50	STD522507	*Hex Bolt 1/4 - 20 x 3/4
16	2263R	Spring Washer	51	STD551125	*Lockwasher 1/4
17	9686R	Parking Brake Yoke	52	STD623710	*Fin. Hex Bolt 3/8 - 24 x 1
18	175H	Roll Pin	53	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
19	634A887	Lock Bracket Assembly	54	STD541337	*Hex Jam Nut 3/8 - 24 UNF
20	2221R	Spacer	55	5142H	Roll Pin
21	5999H	Spring Washer	56	3022P	Hex Bolt 3/8 - 16 x 7/8
22	4379H	Handle Grip	57	STD551137	*Lockwasher 3/8
23	626A341	Parking Lock Handle Assembly	58	3164P	Flat Hd. Machine Screw - Undercut 3/8 - 16 x 3/4
24	7810H	Locknut 3/8 - 24 UNF	59	11P	Sq. Neck Carriage Bolt 1/4 - 20 x 5/8
25	626A365	Brake Rod Assembly	60	STD541025	*Hex Nut 1/4 - 20 UNC
26	634A167	Brake Band Assembly	61	STD523108	*Hex Bolt 5/16 - 18 x 7/8
27	634A168	Brake Bracket Assembly	62	1685H	Locknut 5/16 - 18 UNC
28	9204H	Locknut 1/2 - 20 UNF	63	3244P	Hex Bolt 1/4 - 28 x 5/8 Gr. 5
29	214J	Brake Drum	64	9071H	Locknut 1/4 - 28 UNF
30	634A899	Brake Arm Assembly	65	3326P	Hex Hd. Mach. Screw 6 - 32 x 1
31	9858M1	Woodruff Key	66	1567P	Washer 5/32 x 3/8 x 20 Ga.
32	9288R	Clutch Rod	67	562P	Centerlock Nut 6 - 32 UNC
33	2514P	Cotter Pin 1/4 x 1	68	2228M	Woodruff Key
34	6486H	Spring	69	1602P	Washer 13/32 x 5/8 x 11 Ga.
35	1648P	Washer 17/32 x 1 - 1/16 x 20 Ga.			
36	4939M	Retainer Spring			
36A	544J	Hose Shield			

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

ELECTRICAL



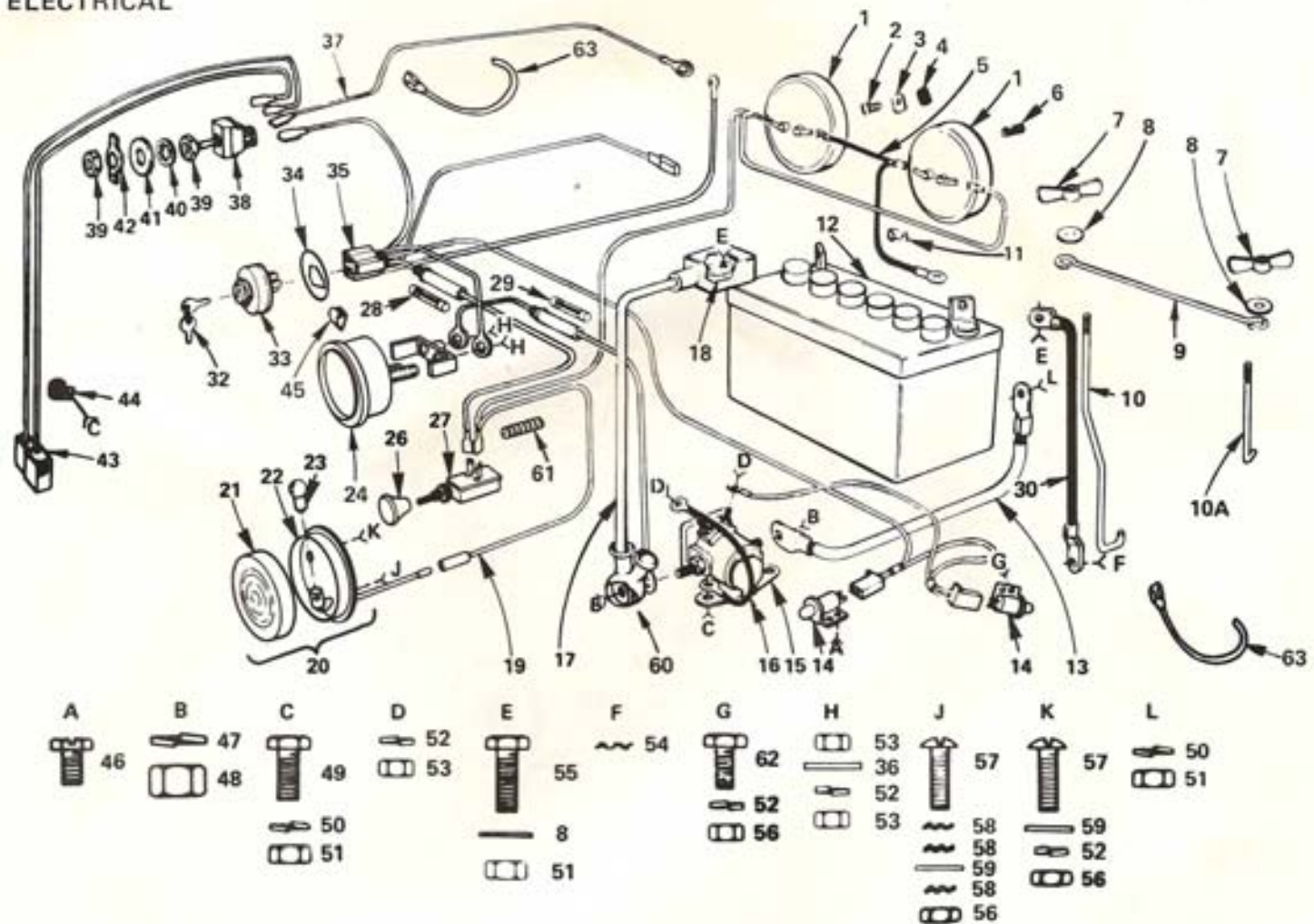
WIRING AND THROTTLE CABLE INSULATED CLIPS AND CABLE TIES

If Insulated Clips and Cable Ties were removed for rewiring of unit, they should be replaced to properly secure your wiring and cable.

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

ELECTRICAL



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	34	8657R	Terminal Tag
2	STD611005	*Phillips Pan Hd. Self Tapping Screw No. 10 - 16 x 1/2	35	3055J	Harness - Ignition
3	8768H	Mounting Clip	36	1583P	Brass Washer No. 10
4	8784H1	Rubber Spacer	37	9698R	Wire, Ground - Lift Switch
5	8031R	Headlight Ground Wire	38	8984R	Switch Elec. Lift
6	9197H	Hose	39	566P	Hex Nut, Steel 7/16 - 32 NS - 2A
7	3748M	Wing Nut 1/4 - 20 UNC	40	7319R	Lockwasher, Internal Tooth
8	STD551025	*Washer 9/32 x 5/8 x 16 Ga.	41	1518P	Washer 15/32 x 11/16 x 16 Ga.
9	7955R	Battery Clamp	42	9349R	Switch Plate
10	2685R	Battery Bolt	43	8985R	Lift Motor Harness
10A	88J	Battery Bolt	44	5320R	Mounting Clip
11	4171R	Insulated Clip	45	8615R	Wire Clip
12	8859R	Battery "Die Hard"	46	5588P	Slotted Hex Indented Hd. Self Tapping Screw No. 10 - 24 x 3/8 Type D
13	2235R	Cable - Solenoid to Starter	47	STD551131	*Lockwasher 5/16
14	7755R	Safety Switch	48	STD541331	*Hex Jam Nut 5/16 - 24 UNF
15	7754R	Solenoid	49	STD522506	*Hex Bolt 1/4 - 20 x 5/8
16	8027R	Wire - Ground to Solenoid	50	STD551125	*Lockwasher 1/4
17	116J	Battery Cable	51	STD541025	*Hex Nut 1/4 - 20 UNC
18	225J	Battery Terminal Cover	52	STD551110	*Lockwasher No. 10
19	8030R	Light Harness	53	STD541110	*Hex Nut No. 10 - 32 UNF
20	8089H	Taillight (Inc. Key No. 21, 22, 23)	54	1402P	Ext. Tooth Lockwasher 3/8
21	8292H	Lens - Taillight	55	STD522507	*Hex Bolt 1/4 - 20 x 3/4
22	8293H	Housing - Taillight	56	STD541010	*Hex Nut No. 10 - 24 UNC
23	8291H	Bulb No. 1895 2 Candle Power	57	STD511007	*Std. Truss Hd. Mach. Screw 10 - 24 x 3/4
24	9433R	Ammeter	58	1404P	Ext. Tooth Lockwasher No. 10
26	7794R	Light Switch Knob	59	STD551010	*Washer 7/32 x 1/2 x 18 Ga.
27	7793R	Light Switch	60	51J	Solenoid Terminal Cover
28	2212R	Fuse - 15 Amp.	61	302J	Wire Guard
29	6347R	Fuse - 30 Amp.	62	STD511005	*Hex Hd. Mach. Screw No. 10 - 24 x 1/2
30	2753R	Battery Cable - Ground	63	6106R	Cable Tie
32	7552H	Key Set			
33	4406R	Ignition Switch (Inc. Key No. 32)			

*STANDARD HARDWARE--PURCHASE LOCALLY

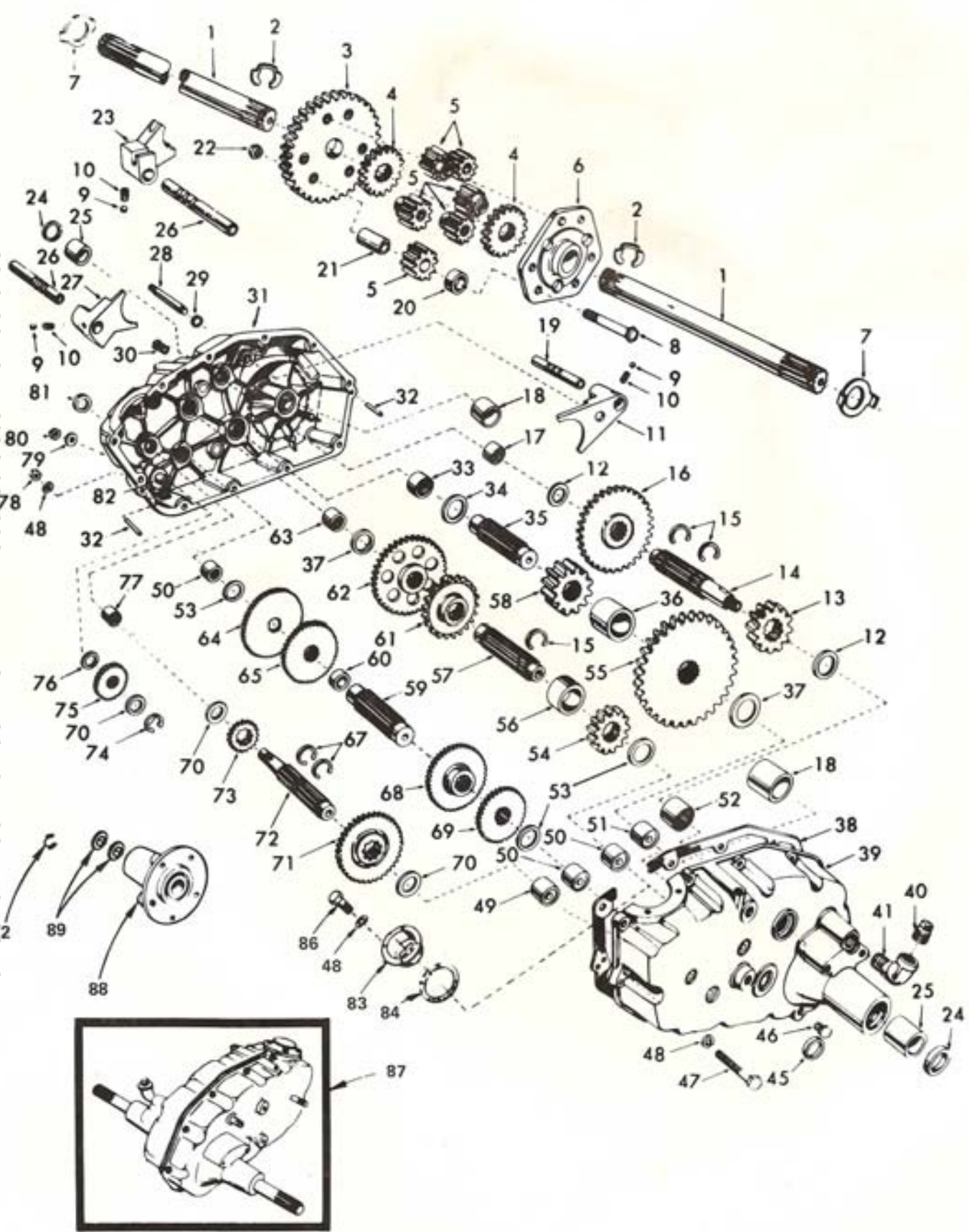
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REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

TRANSAXLE NO. 633X18

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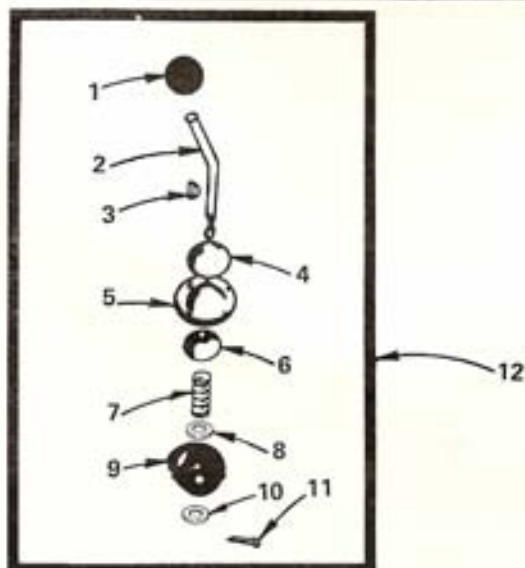


REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

TRANSAXLE NO. 633X18

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	4197R	Axle Shaft	49	4895H	Needle Bearing
2	5845R	Klip 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	2nd 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	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	67	4926H	Snap Ring
19	6217H	Shift Fork Shaft, High - Low Range	68	4205R	Intermediate Speed Gear
20	4218R	Differential Pinion Spacer	69	4206R	High Speed Gear
21	6252H1	Differential Pinion Bushing	70	1370H	Thrust Bearing Race
22	7810H	Gripco Nut	71	633A69	Intermediate and High Speed Cluster Pinions
23	4986R	Shift Fork - L.H.	72	4193R	Input Shaft
24	7393R	Oil Seal	73	4201R	Low Speed Pinion
25	992R1	Sintered Iron Bearing	74	5001P	E-Ring
26	6216H	Shift Fork Shaft	75	1153R	Reverse Idler Gear
27	6262H	Shift Fork - R.H.	76	7392H	Reverse Idler Thrust Washer
28	6215H	Shift Shaft, High - Low Range	77	5529H	Needle Bearing
29	6269H	Oil Seal	78	STD541031	*Hex Nut 5/16 - 18 UNC
30	5855H	Pressure Relief Valve	79	1167R	Sealing Washer
31	633A65	Gearcase and Bearings - R.H. (Inc. Key No's. 17, 18, 25, 33, 50, 63, 76, 77 and 82)	80	541P	Hex Jam Nut 7/16 - 20 UNF
32	6277H	Dowel Pin	81	6270H	Oil Seal
33	4225R	Needle Bearing	82	7384H	Reverse Idler Shaft
34	7396H	Thrust Bearing Race	83	75J	Gear Shift Gate
35	4198R	4th Reduction Gear Shaft	84	6274H	Shift Ball Cover Gasket
36	4200R	4th Reduction Gear Spacer	86	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
37	7395H	Thrust Bearing Race	87	633X18	Transaxle Assembly Less Brake Drum & Shift Lever (Parts shown below)
38	6275H	Gearcase Gasket	88	634A692	Rear Wheel Hub and Bushing
39	633A64	Gearcase and Bearings - L.H. (Inc. Key No's. 18, 25, 49, 51, 52 and 2 each No. 50)	89	7563R	Axle Thrust Washer
40	4002P	Pipe Plug 1/2 - 14 N.P.T.	---	2515J	Serial and Part No. Tag
41	4003P	Street Elbow 90°, 1/2 - 1/4 N.P.T.	---	2516J	Owner Manual (for 633X18 Transaxle)
45	6271H	Oil Seal	*STANDARD HARDWARE--PURCHASE LOCALLY		
46	4001P	Pipe Plug 1/4 - 18 N.P.T.			
47	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2 Gr. 5			
48	STD551131	*Lockwasher 5/16 Extra Heavy			

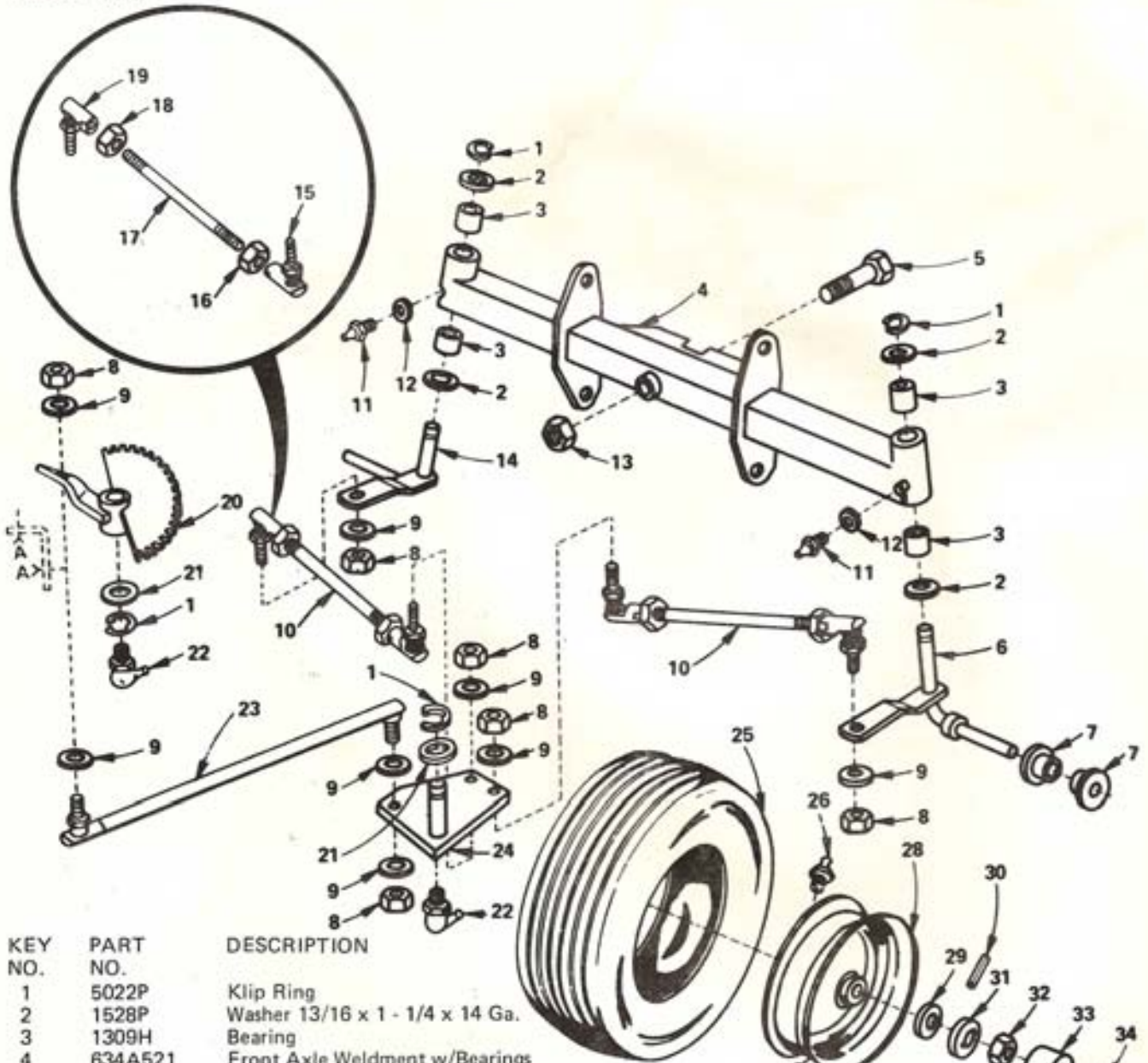


KEY NO.	PART NO.	DESCRIPTION
1	7987R	Control Knob
2	9635R	Gear Shift Lever
3	2898J	Key Hi-Pro 17/32
4	2978J	Gear Shift Cap
5	633A85	Gear Shift Ball Cover and Pin
6	8739H1	Shift Lever Guide
7	4924H	Spring
8	1593P	Washer 15/32 x 59/64 x 16 Ga.
9	8105R	Shift Mechanism Seal
10	1569P	Washer 9/16 x 15/16 x 11 Ga.
11	2505P	Cotter 1/8 x 3/4
12	633A82	Gear Shift Lever Ass'y.

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120

FRONT AXLE



KEY NO.	PART NO.	DESCRIPTION
1	5022P	Klip Ring
2	1528P	Washer 13/16 x 1 - 1/4 x 14 Ga.
3	1309H	Bearing
4	634A521	Front Axle Weldment w/Bearings (Inc. Key No. 3)
5	3294P	Hex Bolt 5/8 - 11 x 5 Grade 5
6	673A260	Spindle Complete - R.H.
7	9040H	Flanged Bearing
8	7810H	Locknut 3/8 - 24 UNF
9	2515R	Hardened Washer
10	7838R	Tie Rod and Joint (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	Locknut 5/8 x 11 UNC
14	673A261	Spindle Complete - L.H.
15	8515R	Tie Rod Joint (R.H. Thread)
16	STD541350	*Hex Jam Nut 1/2 - 20 (R.H. Thread)
17	634A819	Tie Rod and Nuts (Inc. Key No's. 16 & 18)
18	559P	Hex Jam Nut 1/2 - 20 (L.H. Thread)
19	8514R	Tie Rod Joint (L.H. Thread)
20	634A813	Steering Gear Sector and Arm
21	1552P	Washer 49/64 x 1 - 1/4 x 16 Ga.
22	6842M	Grease Fitting
23	7837R	Drag Link and Joint
24	673A262	Steering Bell Crank Assembly
25	3641J	Front Tire 16 x 6.50 - 8

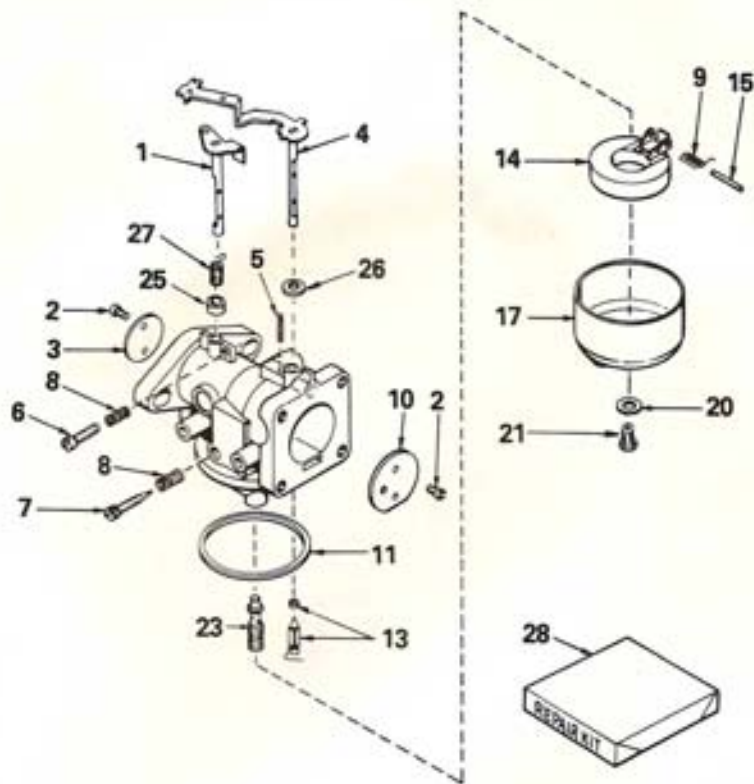
KEY NO.	PART NO.	DESCRIPTION
26	6856M	Grease Fitting 1/4 - 28 Taper Thrd.
27	795R	Tire Valve
28	9541R	Front Wheel
29	1562P	Washer 25/32 x 1 - 1/2 x 16 Ga.
30	8798H	Roll Pin 5/32 x 1
31	8785H	Wear Washer
32	4831H	Locknut 3/4 - 16 UNF
33	8763H	Dust Cap-Outer
34	3008P	Hex Bolt 5/16 - 18 x 1/2
35	STD623710	*Hex Bolt 3/8 - 24 x 1
36	STD541337	*Hex Jam Nut 3/8 - 24 UNF

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012

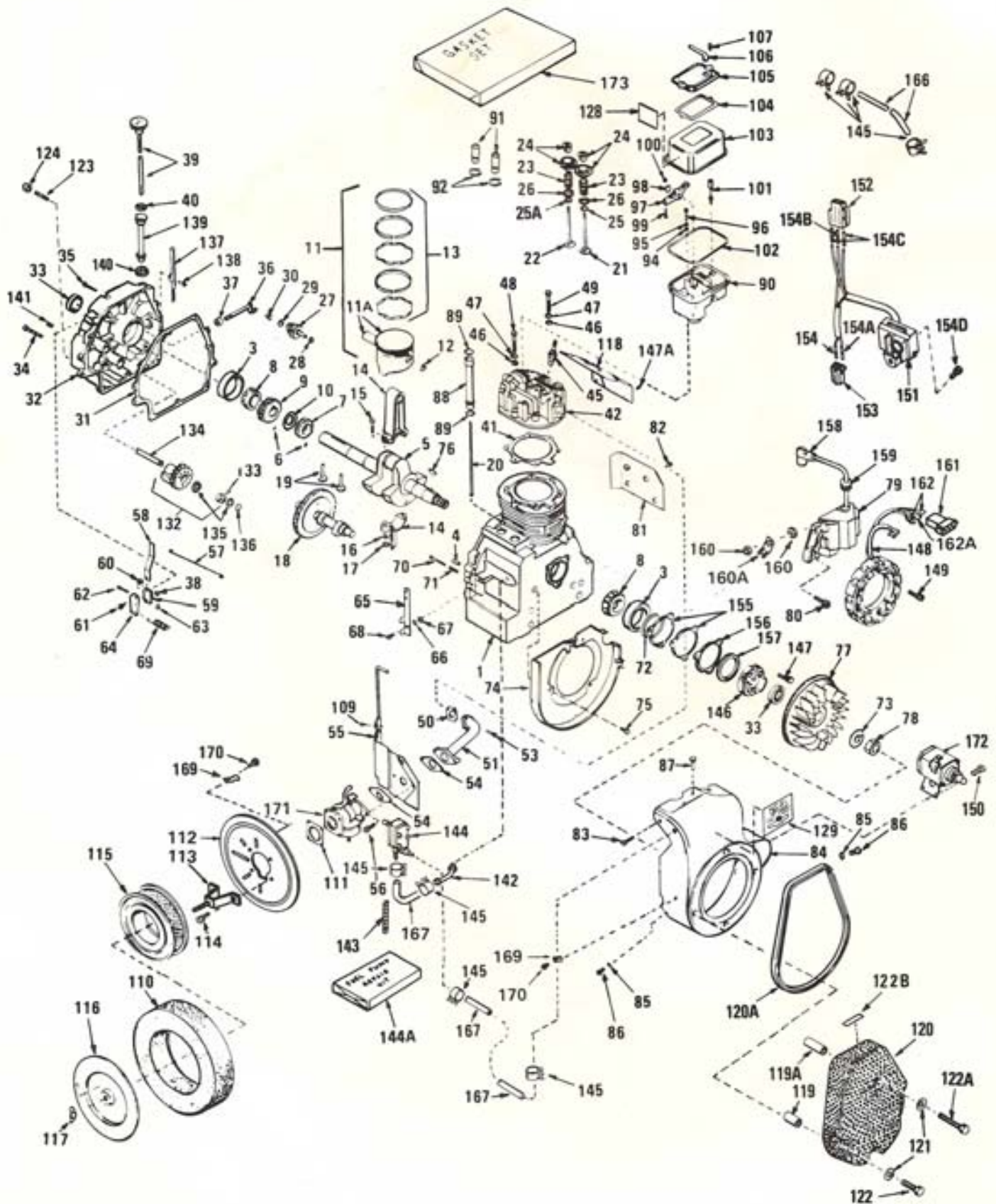
CARBURETOR NO. 632159



KEY PART NO.	NO.	DESCRIPTION
	632159	Carburetor
1	632160	Shaft & Lever Assy., Throttle (Incl. No. 2)
2	650506	Screw, Pan hd., 4-40 x 3/16
3	631682	Shutter, Throttle
4	631683	Shaft & Lever Assy., Choke (Incl. No. 2)
5	27113	Spring, Choke stop
6	650399	Screw, Throttle adjusting
7	*27112	Needle, Idle adjusting
8	27114	Spring, Adjusting
9	632017	Spring, Float shaft
10	631684	Shutter, Choke
11	*27109	Gasket, Bowl-to-body
13	*632024	Vave, Seat & Spring Assy. (Incl. No. 9)
14	27105	Float
15	*27106	Shaft, Float
17	29170	Bowl, Fuel
20	*27110	Gasket, Bowl-to-body
21	*632154	Nut, Float bowl
23	632153	Nozzle, Main
25	632039	Seal, Throttle shaft dust
26	632040	Seal, Choke shaft dust
27	32096	Spring, Throttle return
28	632155	Repair Kit (Incl. items marked *)

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012



REPAIR PARTS

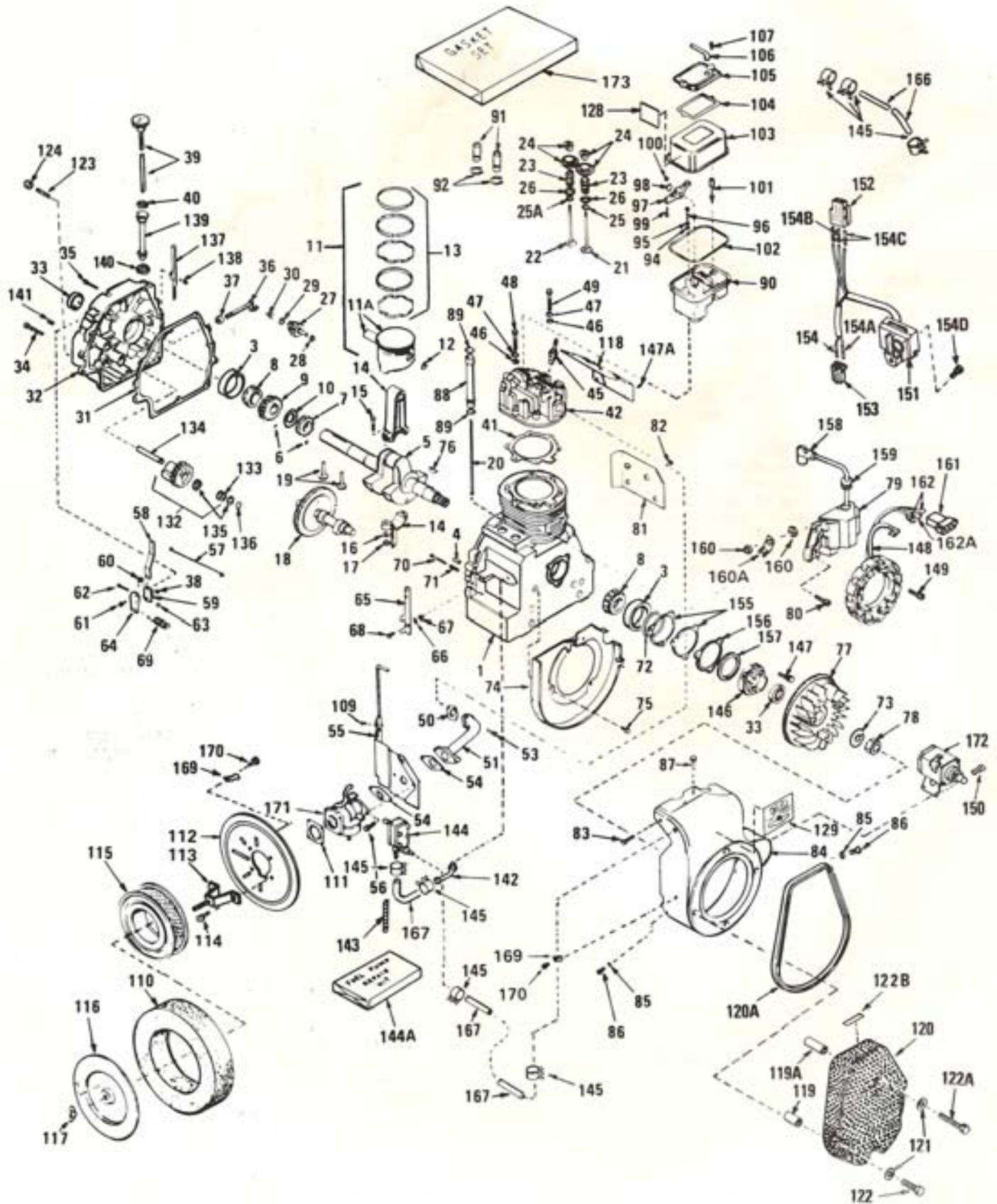
18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	34648	Cylinder Assy. (Incl. Nos. 4 & 33)	53	792028	Screw, Hex hd. Sems, 5/16-18 x 7/8
3	31928	Cup, Bearing	54	*33476	Gasket, Carburetor
4	27652	Pin, Dowel	55	33477A	Baffle, Air extension
5	33497B	Crankshaft Assy. (Incl. Nos. 3, 6 thru 10 & 132)	56	650378	Screw, Fil. hd. Sems, 5/16-18 x 1-1/8
6	29783	Pin, Crankshaft gear	57	33478	Link, Governor
7	31931	Gear, Crankshaft	58	31963	Lever, Governor adjusting
8	31932	Bearing, Tapered roller	59	31964	Clamp, Governor lever
9	33963	Gear, Counterbalance weight	60	650518	Lockwasher, No. 10 E.T.
10	33499	Spacer	61	30312	Screw, Hex washer hd. Sems, 10-32 x 1/2
11	34624	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 11A, 12 & 13)	62	650544	Screw, Pan flex hd., 10-24 x 7/8
11	34625	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 11A, 12 & 13)	63	7975	Nut, Square, 10-24
11	35626	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 11A, 12 & 13)	64	31965	Plate, Governor spring
11A	34629	Piston & Pin Assy. (Std.) (Incl. No. 12)	65	31984A	Lever, Control
11A	34630	Piston & Pin Assy. (.010 oversize) (Incl. No. 12)	66	28558	Washer, Wave
11A	34631	Piston & Pin Assy. (.020 oversize) (Incl. No. 12)	67	31966	Bushing, Governor lever
12	34634	Ring, Piston pin retaining	68	650597	Screw, Hex washer hd., 10-24 x 5/8
13	34635	Ring Set, Piston (Standard)	69	31967	Spring, Governor
13	34636	Ring Set, Piston (.010 oversize)	70	650591	Screw, Fil. hd., 10-24 x 2
13	34637	Ring Set, Piston (.020 oversize)	71	33099	Spring, Locking
14	34640	Rod Assy., Connecting (Incl. Nos. 15, 16 & 17)	72	*32599	"O" Ring
15	32077	Bolt, Connecting rod	73	650666	Washer, Lock
16	26073	Washer, Connecting rod	74	32579	Baffle, Blower housing
17	28264	Nut, Lock	75	650561	Screw, Hex washer hd. durlock, 1/4-20 x 5/8
18	33470	Camshaft (Mech. Compression release)	76	650592	Key, Flywheel
19	33472	Lifter, Valve	77	610909	Flywheel
20	33471	Rod, Push	78	650594	Nut, Flywheel
21	34643	Valve, Intake (Standard)	79	610906	Magneto, Solid state (Incl. Nos. 158 thru 160A)
21	34644	Valve, Intake (1/32" oversize)	80	650661	Screw, Fil. hd. w/conical spring lockwasher, 1/4-20 x 3/4
22	33506	Valve, Exhaust (Standard)	81	33479	Extension, Blower housing
22	33546	Valve, Exhaust (1/32" oversize)	82	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2
23	33507	Spring, Valve	83	650751	Screw, Hex hd. w/conical washer, 1/4-20 x 7/16
24	33508	Retainer & Cap Set, Keeper valve	84	33775A	Housing, Blower
25	*33509	"O" Ring	85	8274	Lockwasher, Split, 5/16
25A	*34410	"O" Ring, Exhaust only	86	650595	Screw, Hex hd., 5/16-24 x 3/8
26	33510	Cap, Valve	87	650752	Screw, Hex hd. Sems, 1/4-20 x 7/16
27	33473	Gear & Shaft Assy., Governor	88	33480	Tube, Push rod
28	650745	Washer, Flat	89	*33481	"O" Ring
29	30590A	Washer, Flat	90	33482	Housing, Rocker arm
30	31948	Spool, Governor	91	730195	Valve, Guide Kit (Incl. No. 92)
31	*31956A	Gasket, Cylinder cover	92	34315	Ring, Retaining
32	34649	Cover Assy., Cylinder (Incl. Nos. 33, 134 & 141)	94	*33484	"O" Ring
33	31950	Seal, Oil	95	650168	Washer, Flat
34	30564	Screw, Hex hd. Sems, 1/4-20 x 1	96	32610A	Screw, Flanged hex hd., 1/4-20 x 29/32
35	650492	Screw, Hex hd. Sems, 1/4-20 x 2-1/4	97	33485	Arm, Rocker
36	32425	Rod Assy., Governor	98	33486	Ring, Retaining
37	32426	Spacer, Governor rod	99	650755	Screw, Adjusting
38	29193	Ring, Retaining	100	650456	Nut, Hex
39	33764	Dipstick, Oil fill (Incl. No. 40)	101	650756	Stud, Rocker arm cover
40	29985	"O" Ring	102	*33487	"O" Ring
41	*34641	Gasket, Cylinder head	103	33488	Cover, Rocker arm
42	34642	Head, Cylinder	104	*31958	Gasket, Breather
45	34645	Resistor Spark Plug (Canadian Regulations require RN-4 resistor spark plug)	105	33489	Body Assy., Breather
46	650690	Washer, Belleville	106	33490	Tube, Breather
47	650691	Washer, Flat	107	30102	Screw, Hex washer hd. Sems, 10-32 x 5/8
48	650692	Screw, Hex hd., 5/16-18 x 1-3/4	109	650738	Screw, Hex washer spinlock, hd., thr'd cutting, 1/4-20 x 5/8
49	650746	Screw, Hex hd., 5/16-18 x 1-3/8	110	32906	Filter, Air
50	*33515	Gasket, Intake pipe	111	**33492	Gasket, Air cleaner
51	33475	Pipe, Intake	112	33777	Bracket, Air cleaner
			113	33778	Bracket, Air cleaner

*Indicates Parts Included in Gasket Set, Key No. 173.

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012



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REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
114	650399	Screw, Fil. hd. Sems, 10-32 x 5/8	152	610990	Connector, Male
115	32008	Element, Air cleaner	153	610921	Connector
116	32904	Cover, Air cleaner	154	610922	Terminal
117	650513	Nut, Wing	154A	610989	Terminal
118	33495	Cover, Cylinder head	154B	610992	Terminal, Female
119	34379	Spacer, Screen	154C	610991	Terminal, Female
119A	34378	Spacer, Screen	154D	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2
120	34376	Screen, Blower housing (Incl. No. 120A)	155	*31971	Gasket, Shim (.004/.005 thick, see note 1)
120A	34377	Seal, Guard	156	*31972	Gasket, Shim (.005/.007 thick, see note 1)
121	27070	Washer, Flat	157	32031	Spacer, Steel (.010 thick, see note 1)
122	650808	Screw, Truss hd., 1/4-28 x 1-3/4	158	610118	Cover, Spark plug
122A	650809	Screw, Truss hd., 1/4-28 x 2-9/16	159	610750	Grommet, Lead wire
122B	34387	Decal, Instruction	160	610408	Nut, Hex 10-32
123	32438	Nipple, Pipe (Oil drain)	160A	610908	Terminal, Female
124	32154	Cap, Nipple	161	610903	Connector, Flat
128	34374	Decal, Instruction	162	610905	Terminal
129	32730	Decal, Solid state	162A	610904	Terminal
132	34651	Weight Assy., Counterbalance (Incl. 2 of No. 133)	166	30962	Line, Fuel
133	33501	Bearing, Needle	167	29774	Line, Fuel
134	33502	Shaft, Counterbalance	169	27793	Clip, Conduit
135	33503	Washer, Thrust	170	28942	Screw, Hex washer hd. Sems, 10-32 x 3/8
136	792017	Ring, Retaining	171	632159	Carburetor (Incl. No. 54)
137	34650	Tube Extension, Oil fill	172	33835	Motor, Starter
138	650744	Screw, Fil. hd. Sems, 10-24 x 7/8	173	33516D	Gasket Set (Incl. items marked *)
139	33468	Tube Assy., Oil filler			
140	*29673	Gasket, Oil fill tube			
141	28534	Plug			
142	32958	Fitting, Fuel pump			
143	31778	Spring, Coil			
144	33981	Pump, Impulse Fuel			
144A	33010	Repair Kit, Impulse fuel pump			
145	26460	Clamp, Fuel line			
146	32577	Cover, Cylinder (See Note 1)			
147	692028	Screw, Hex hd. Sems, 5/16-18 x 7/8			
147A	650736	Screw, Pan hd., 10-16 x 3/8			
148	610902	Coil Assy., Alternator (Incl. Nos. 161, 162 & 162A)			
149	650521	Screw, Fil. hd. Sems, 10-32 x 1-1/8			
150	650781	Screw, Hex hd. Sems, 5/16-18 x 11/16			
151	610996	Rectifier, Regulator (20 Amp) (Incl. Nos. 152 thru 154D)			

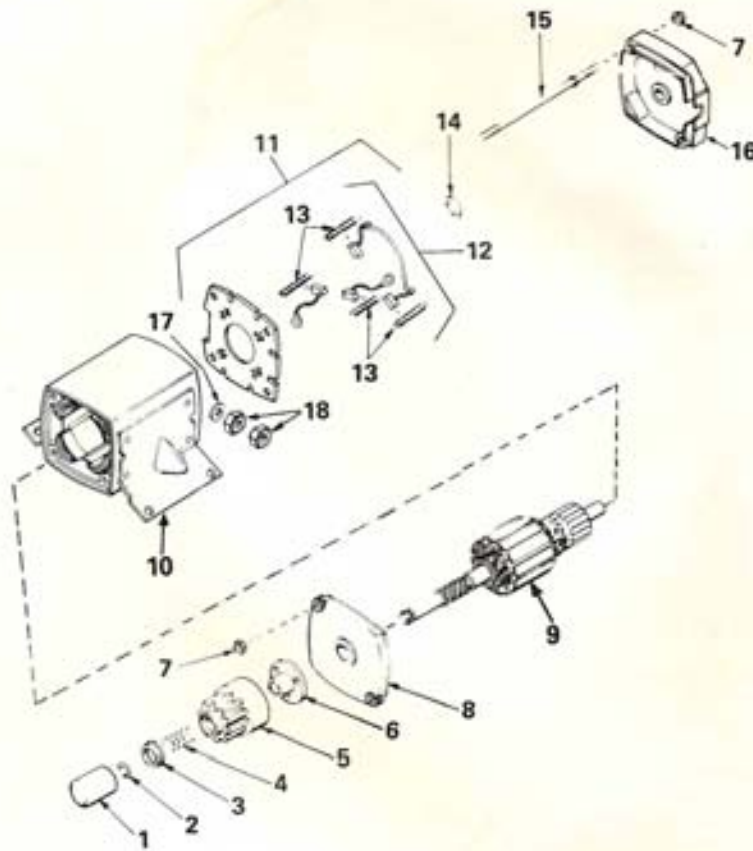
*Indicates Parts Included in Gasket Set, Key No. 173.

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

REPAIR PARTS

18 H.P. GARDEN TRACTOR--MODEL NUMBER 917.257120
CRAFTSMAN 4-CYCLE ENGINE--MODEL NUMBER 143.700012

STARTER MOTOR NO. 33835



KEY PART NO.	PART NO.	DESCRIPTION
	33835	Starter Motor, Complete
1	33841	Cover, Dust
2	33842	Ring, Retainer
3	33843	Retainer, Spring
4	33854	Spring, Anti-drift
5	33844	Gear
6	33433	Nut, Engaging
7	33450	Nut, Lock
8	33845	Cap Assy., Drive end
9	33846	Armature
10	33847	Housing
11	33848	Card Assy., Brush (Incl. No. 12)
12	33849	Brush & Spring Kit (Incl. 4 pcs. of No. 13)
13	33850	Spring, Brush
14	590500	Washer, Thrust
15	33851	Bolt, 10-32 x 5-1/4
16	33852	Cap Assy., Commutator end
17	650168	Washer, Flat
18	650723	Nut, Hex

SERVICE NOTES

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Sears

**OWNERS
MANUAL**

**MODEL NO.
917.257120**

**HOW TO ORDER
REPAIR PARTS**

GT 18 GARDEN TRACTOR

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

All parts listed herein may be ordered from any SEARS ROEBUCK AND CO. 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".