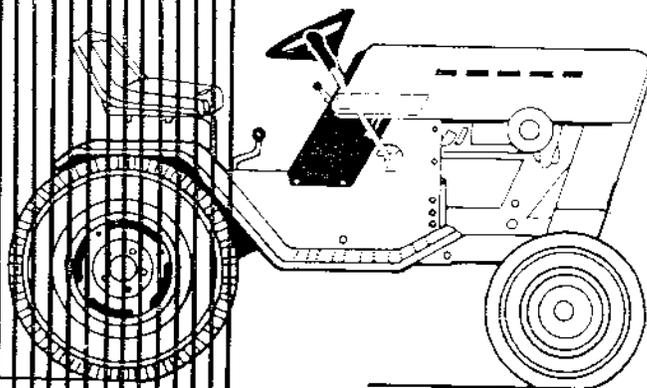


Sears

MODEL NO.  
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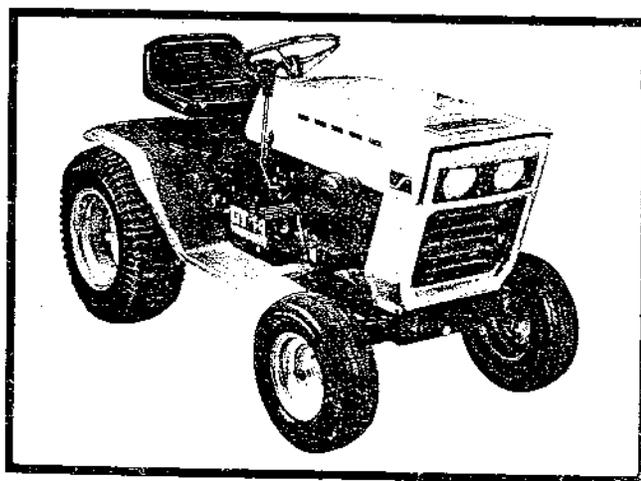


# OWNER'S MANUAL

VARIDRIVE GT/14  
GARDEN TRACTOR

Assembly  
Maintenance

Operation  
Repair Parts

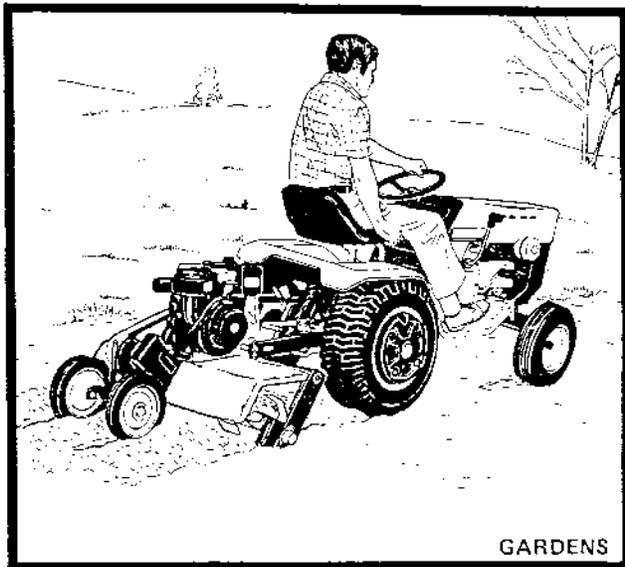


IMPORTANT  
READ INSTRUCTIONS FOR  
SAFE OPERATION  
AND INSTRUCTIONS  
CAREFULLY

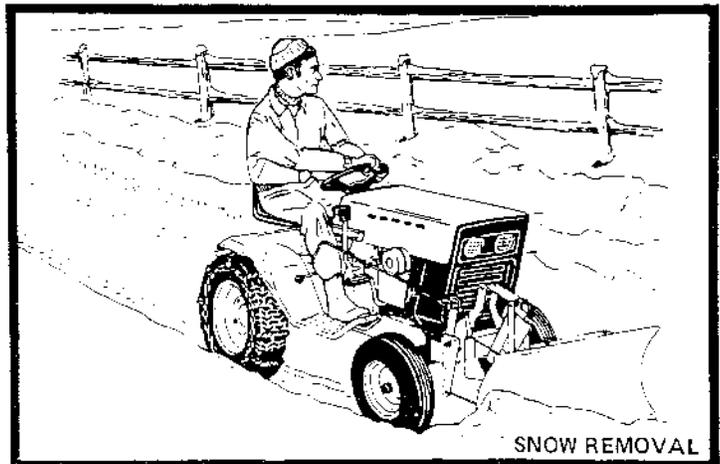
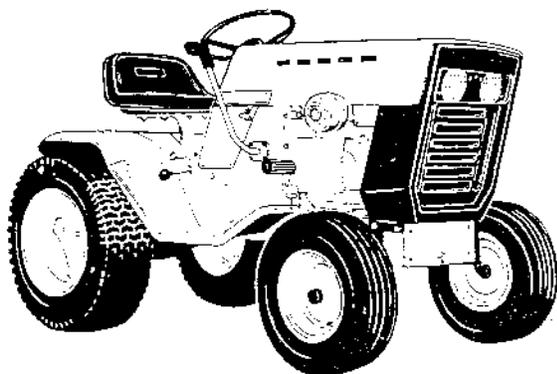
Sears, Roebuck and Co., Chicago, Ill. 60684, U.S.A. and Simpsons Sears Limited, Toronto, Canada



YARD CARE



GARDENS



SNOW REMOVAL

CONGRATULATIONS on your purchase of a Sears Varidrive GT/14 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 GT/14 GARDEN TRACTOR FEATURES . . .

**CRAFTSMAN 14 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**--three speeds forward, and reverse to let you select the proper match for the terrain and the job. Auto-type differential helps guard against turf scuffing.

**VARIDRIVE SPEED CONTROL**--is especially valuable when load is not uniform. When engine-driven attachments are overloaded, such as with heavy lawn mowing or deep snow throwing, the ground speed may be reduced with the Control Lever to relieve the load while the attachment continues to operate at full speed.

**CONTROL PANEL**--with Throttle, Choke, Light Switch, Ignition Switch, Ammeter, Parking Brake Lever and Power Assist Lift Switch--conveniently grouped for ease of use.

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

MANUAL OR POWER ASSIST LIFT.

42 INCH MOWER with three "high-lift" blades to stand grass up for level cuts.

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

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

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

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

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

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## FULL ONE YEAR WARRANTY ON ELECTRIC START GARDEN TRACTOR

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

If 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.

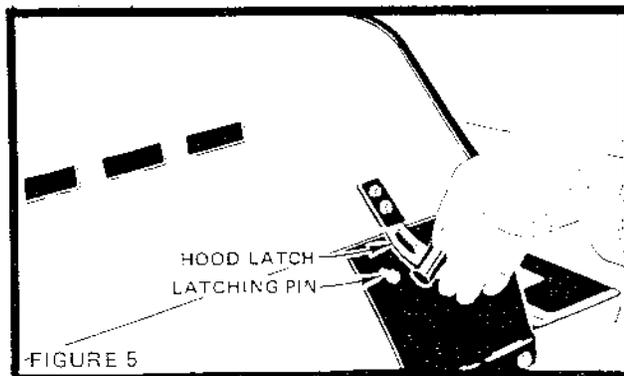
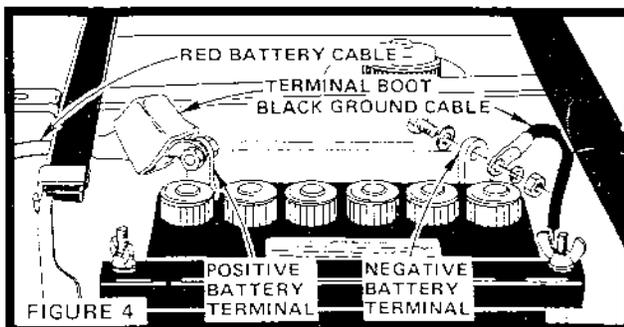
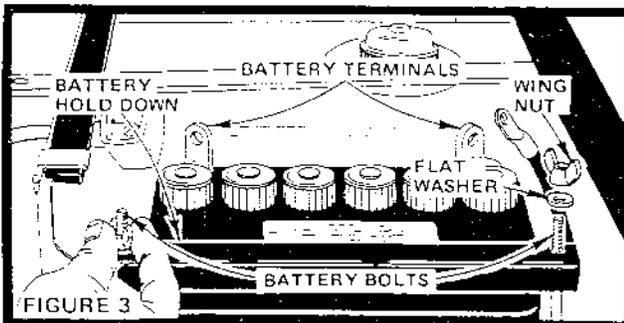
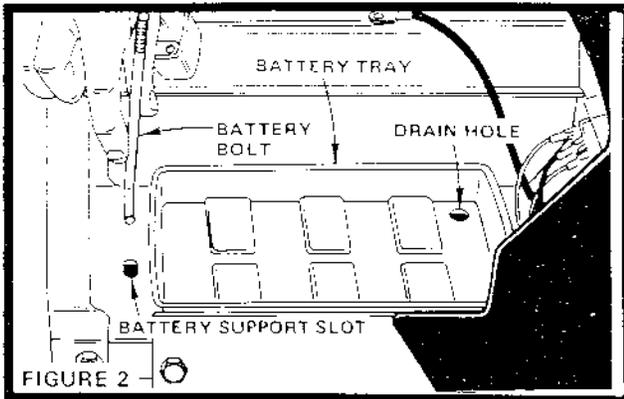
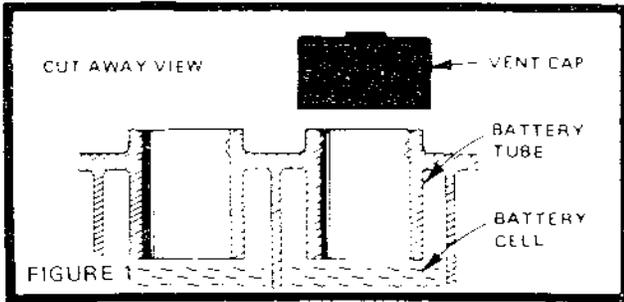
Sears, Roebuck and Co.  
Sears Tower  
BSC 41-3  
Chicago, IL 60684

## RULES FOR SAFE OPERATION

1. Know the controls and how to stop quickly. READ THE OWNER'S MANUAL.
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Clear the work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
6. Disengage power to attachments and stop the engine before leaving the operator's position.
7. Disengage power to attachments and stop the engine before making any repairs or adjustments.
8. Disengage power to attachments when transporting or not in use.
9. Take all possible precautions when leaving the vehicle unattended, such as disengaging the power-take-off, lowering the attachments, shifting into neutral, locking the parking brake, stopping the engine, and removing the key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face.
11. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in the terrain and other hidden hazards.
13. Use care when pulling loads or using heavy equipment.
  - a. Use only approved drawbar hitch points.
  - b. Limit loads to those you can safely control.
  - c. Do not turn sharply. Use care when backing.
  - d. Use counterweights or wheel weights when suggested in attachment owner's manuals.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
16. Handle gasoline with care - it is highly flammable.
  - a. Use approved gasoline container.
  - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
  - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
18. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
20. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease.
21. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle mower, proceed as follows:
  - a. Mow only in daylight or in good artificial light.
  - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
  - c. Shut the engine off when removing the grass catcher or unclogging chute.
  - d. Check the blade mounting bolts for proper tightness at frequent intervals.
24. Check the grass catcher bags frequently for wear or deterioration. Replace with new bag for safety protection.



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



To assemble your Tractor you will need:

- one 1/2" wrench      one 5/8" wrench
- two 7/16" wrenches      one 9/16" wrench

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

## ASSEMBLY

1. Remove Shipping Wires, Battery, Steering Wheel and Bag of Parts
2. Filling and Charging Battery (BEFORE INSTALLING ON TRACTOR).



**WEAR EYE AND FACE SHIELD.**

- a. Mix electrolyte. NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
- b. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1) NOTE: DO NOT OVERFILL. (OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR).



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

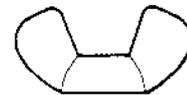
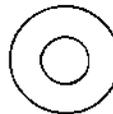
- c. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: Tighten Caps securely.
- d. Charge Battery at a rate not exceeding three amperes for about two and one half hours.



**DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.**

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

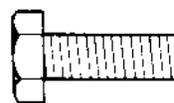
3. Installing Battery using: two Flat Washers, two Wing Nuts (shown full size below) and



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

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

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



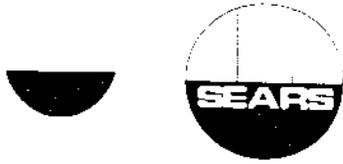
- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely. Place Boot over Terminal.



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

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

5. Close Hood securely by stretching Hood Latches over Latching Pins (Fig. 5).
6. Install Steering Wheel using Flat Washer, Lockwasher and Hex Bolt assembled on end of Steering Shaft.



Woodruff Key, and Steering Wheel Insert 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 Insert Cap in place.
7. Position Control Knob on Control Lever as shown in Fig. 7 and push down firmly. Control Knob found in Bag of Parts.

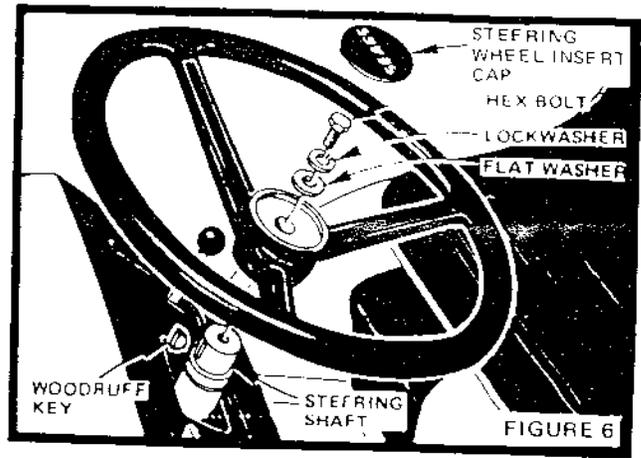


FIGURE 6

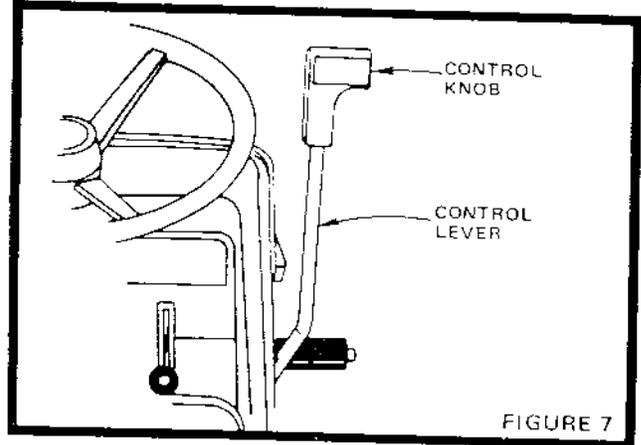


FIGURE 7

## INITIAL ADJUSTMENTS

1. Reduce Tire pressure to 12 pounds in front and rear Tires. (Tires were overinflated for shipping purposes).
2. Seat position should be adjusted forward or backward so that operator can comfortably reach foot pedals.
  - a. For maximum adjustment remove Seat Bolts, position Seat with forward or rearward set of holes, and tighten Bolts (Fig. 8).
  - b. For fine adjustment loosen Chassis Bolts, slide Seat to desired position, and tighten Bolts securely (Fig. 8).

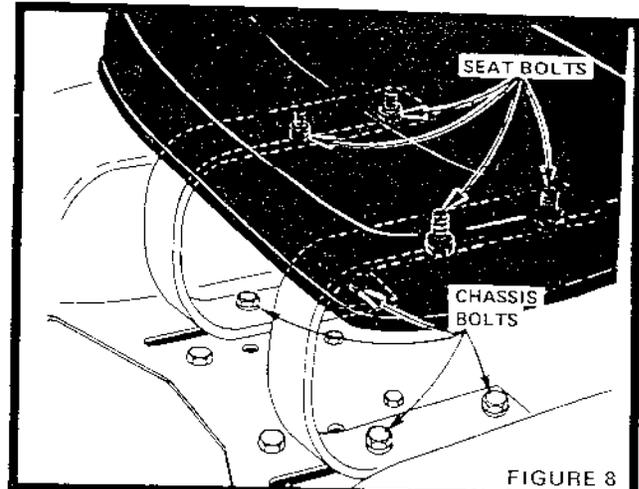


FIGURE 8

## 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. 9) 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 40°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. DIPSTICK ASSEMBLY MUST BE PUSHED FULLY INTO TUBE AT ALL TIMES WHEN ENGINE IS OPERATING.
2. Fill Fuel Tank (Fig. 9) with fresh regular grade lead-free or leaded gasoline. Capacity is 7 quarts. NOTE: DO NOT SWITCH FROM LEADED TO LEAD-FREE GASOLINE.



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

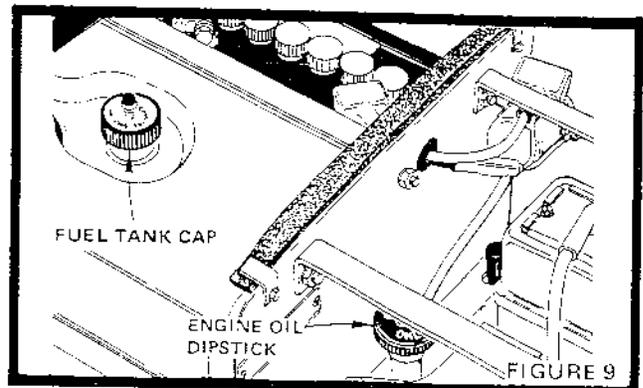


FIGURE 9

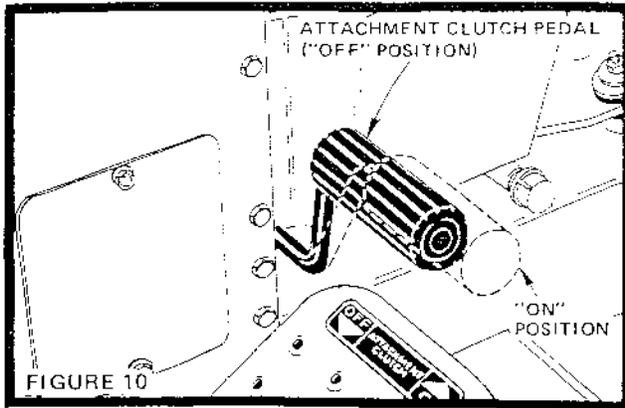


FIGURE 10

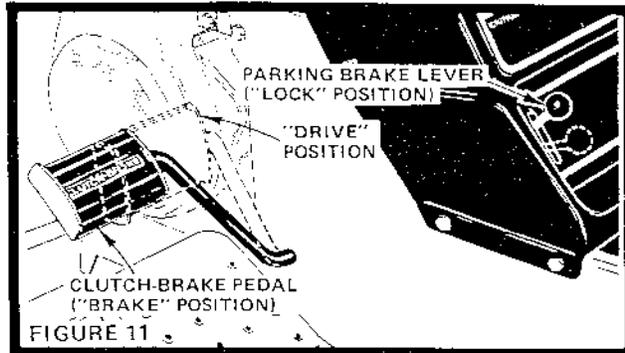


FIGURE 11

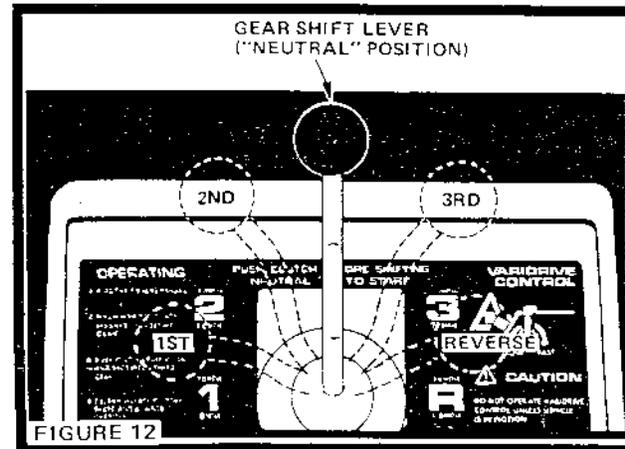


FIGURE 12

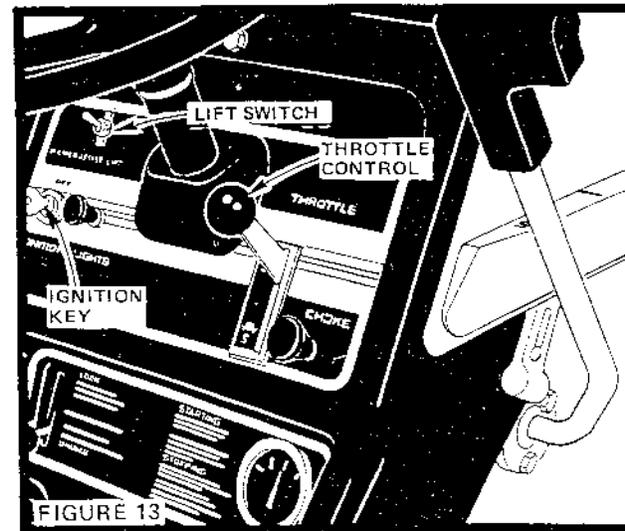


FIGURE 13

## 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.



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

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. 11).



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

## STARTING THE ENGINE

1. Place Attachment Clutch Pedal in "OFF" position (Fig. 10).
2. Push Clutch-Brake Pedal fully into brake position (Fig. 11).
3. Place Gear Shift Lever in "NEUTRAL", start position (Fig. 12).
4. Pull Choke out (Fig. 13).
5. Move Throttle Control to middle position (Fig. 13).
6. 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 to "FAST" position, wait a few minutes, and try again.



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

NOTE: The Power Assist Lift Switch (Fig. 13) raises or lowers rear mounted attachments when used with an Electric Three Point Hitch (optional equipment).

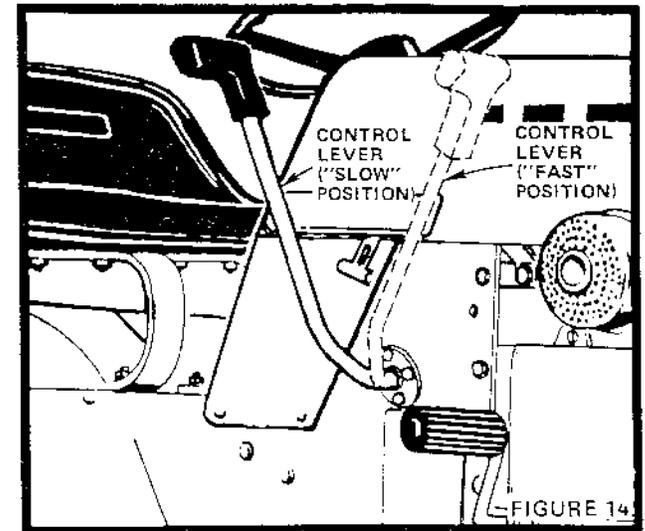


FIGURE 14

## WARMING UP THE ENGINE

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

When restarting a warm engine, move Throttle Control midway between "SLOW" and "FAST" position. Choke may not have to be used.

## TRACTOR OPERATION

1. With engine running and warm, place Throttle Control midway between "SLOW" and "FAST" position.
2. Push Clutch-Brake Pedal down firmly to unlock Parking Brake and hold Clutch-Brake Pedal in Brake position (Fig. 11).
3. Move Gear Shift Lever to desired gear (Fig. 12).
4. Release Clutch-Brake Pedal SLOWLY to start forward movement.
5. Move Control Lever to desired speed (Fig. 14). If ground travel is too slow advance Throttle Lever.

NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.



BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.



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

## STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "LOCK" position.



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

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



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.



MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.

## TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever in neutral position (Fig. 12). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

## TRACTOR OPERATION ON HILLS

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



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

2. AVOID STOPPING OR SHIFTING ON HILLS.

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



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

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

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 GROUND SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUND SYSTEM.

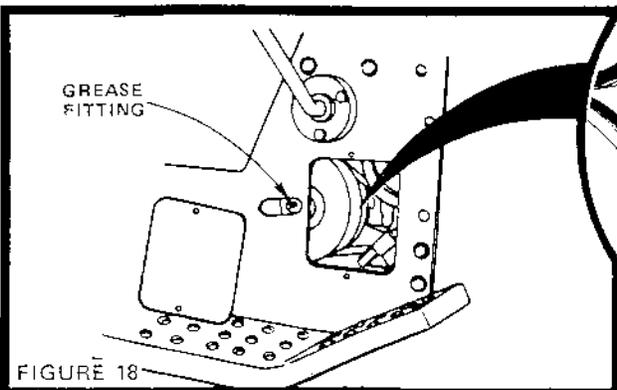
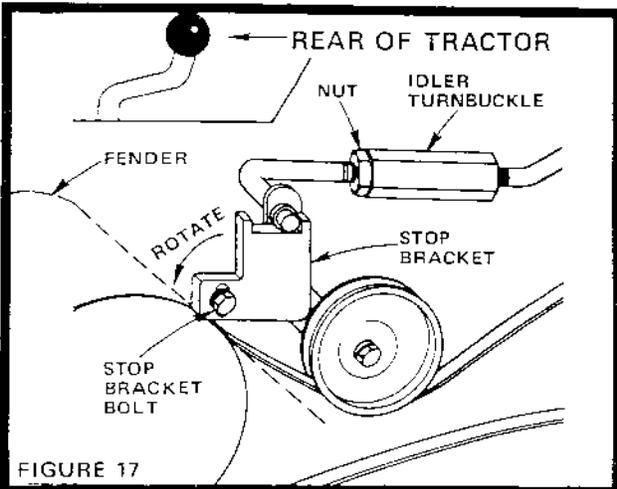
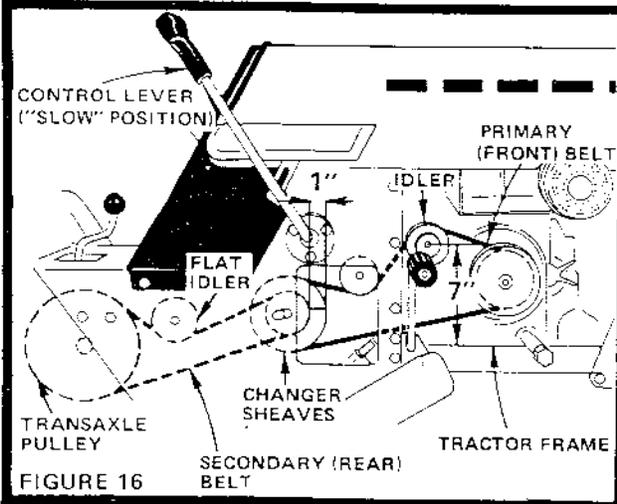
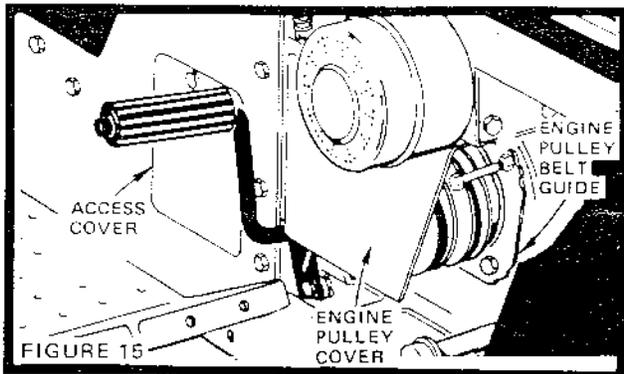


LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME, AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION AROUND BATTERIES.

1. Connect each end of the RED cable to the POSITIVE (+) terminals of each battery (taking care not to short against chassis).
2. Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
3. Connect the other end of the cable to ENGINE BLOCK or good CHASSIS GROUND on tractor (away from Gas Tank or Battery).
4. Disconnect cables in reverse order:
  - a. Engine Block or chassis of tractor.
  - b. Negative terminal of fully charged battery.
  - c. Positive terminals.



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.



## MAINTENANCE

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



**DISCONNECT SPARK PLUG WIRE (FIG. 19) TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT (EXCEPT CARBURATOR AND BELT TENSION) OR REPAIR.**

### FIRST 2 HOURS:

#### 1. CHECK BELT TENSION

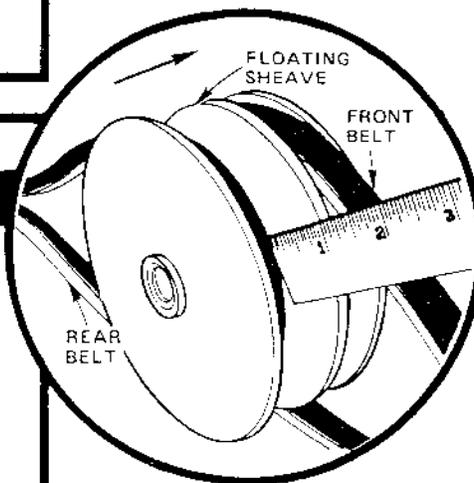
New Belts may stretch after the first few hours of operation.

- With Engine running, transmission in neutral and clutch engaged, place Control Lever in "SLOW" position (Fig. 16).
- Turn off Engine and disconnect Spark Plug Wire.
- Remove Access Cover and Engine Pulley Cover (Fig. 15).
- Measure Idler height and Rear Belt position as shown in (Fig. 16).
- If measurements are within  $\pm 3/16"$ , replace Covers and Spark Plug Wire.

#### 2. V-BELT ADJUSTMENT

- If Rear Belt does not measure  $1" \pm 3/16"$ , set Parking Brake and tie Clutch Pedal securely to Front Axle to prevent accidental release.
- Move Floating Sheave towards center of tractor (Fig. 18, Inset) until  $1" \pm 3/16"$  measurement is obtained.
- Loosen Stop Bracket Bolt and Nut until Bracket can rotate freely (Fig. 17).
- Release Clutch-Brake Pedal and place Pedal into V-Belt adjusting position by partially depressing Clutch-Brake Pedal while holding Parking Brake Lever in "LOCK" position. Release Clutch-Brake Pedal (which will return to near drive position).
- Check Idler height. If idler height does not measure  $7" \pm 3/16"$ , loosen nut on Idler Turnbuckle (Fig. 17) and lengthen linkage by adjusting Idler Turnbuckle. Firmly pull back Control Lever. Adjust until  $7" \pm 3/16"$  is obtained.
- Move Control Lever forward slightly until Front Belt becomes taut and gently moves Idler.
- If Rear Belt is loose, shorten linkage by adjusting Idler Turnbuckle until Belt becomes taut. Do not over tighten Belt. Retighten nut against Idler Turnbuckle.
- Rotate top of Stop Bracket (Fig. 17) towards rear of tractor until it can rotate no further. Tighten Stop Bracket Bolt securely.
- Replace Covers and reattach Spark Plug Wires.

**NOTE: FOR LONGER BELT LIFE, ALWAYS KEEP BELTS TENSIONED PROPERLY. START TRACTOR MOVEMENT WITH THROTTLE CONTROL IN MIDDLE POSITION. ALWAYS REPLACE WITH SEARS BELTS.**



### 3. 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. 19) and catch Oil in a suitable container. Replace Cap.
- Refill Engine Oil (Fig. 19). In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD or SE) or 10W40 (SC, SD or SE). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD or SE). Refill capacity is 3 - 1/4 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. 20). Add distilled water if necessary. NOTE: DO NOT OVERFILL.
- Keep Battery and Terminals clean. Refer to page 10.
- Keep Battery bolts tight.
- Keep Vent Caps tight and small vent holes in caps open.
- Recharge SLOWLY at 3 amperes if specific gravity of electrolyte falls below 1.225.

### 2. CHECK TIRE PRESSURE

Tire pressure in front and rear Tires should be 12 pounds.

### 3. CLEAN AIR SCREEN

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

### 4. CHECK BRAKE OPERATION

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

- Use Parking Brake Lever to place Clutch-Brake Pedal in "LOCK" position.
- Loosen Jam Nut (Fig. 21) to rear of Turnbuckle.
- Torque Turnbuckle to 65 to 70 inch pounds. (This will also place Parking Brake into proper adjustment).
- Retighten Jam Nut.

## EVERY 5 HOURS:

### 1. CHECK ENGINE OIL LEVEL



**DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.**

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Wipe Dipstick clean, push it down tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD or SE) Oil. In winter (below 40°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. (PUSH DIPSTICK IN TIGHT AFTER CHECKING OIL).

### 2. LUBRICATE STEERING, FRONT WHEELS & CHANGER SHEAVES

Use a Grease Gun with Extreme Pressure Lubricating Grease Amdex No. 1 (available at your local Sears Service Center) for the six Grease Fittings on the underside of your tractor (Fig. 22).

- Grease the two wheel fittings until grease squeezes out around the hubs and then wipe hubs clean.
- Two shots will adequately grease the other four underside fittings (Fig. 22) and Changer Sheaves (Fig. 18).

### 3. OIL PIVOT POINTS

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

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

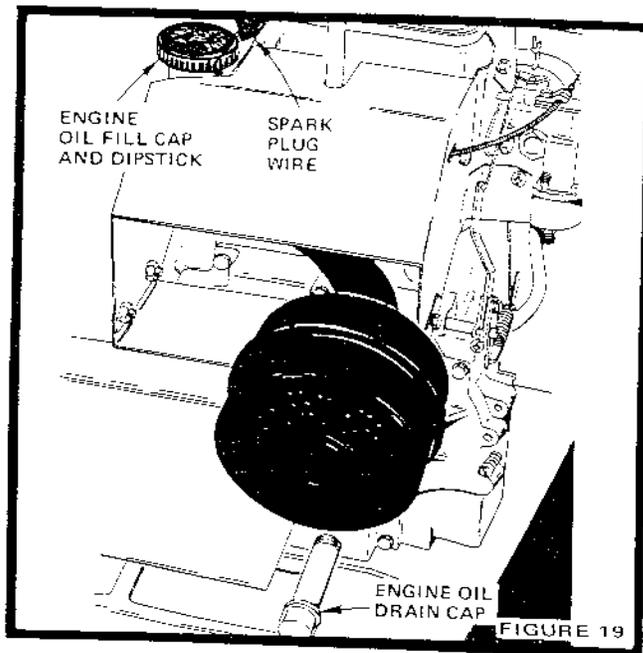


FIGURE 19

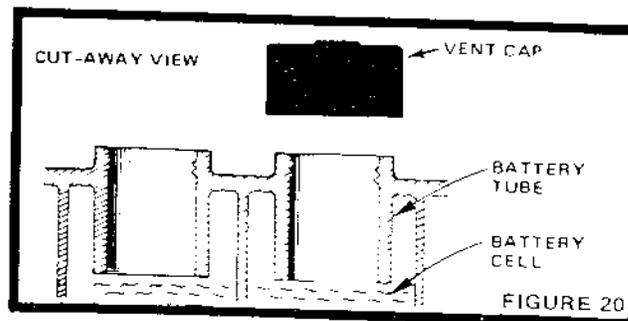


FIGURE 20

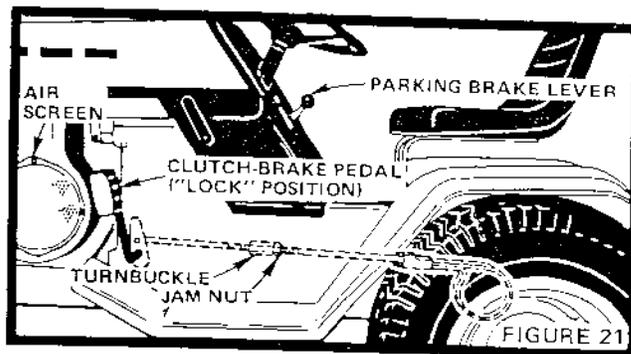


FIGURE 21

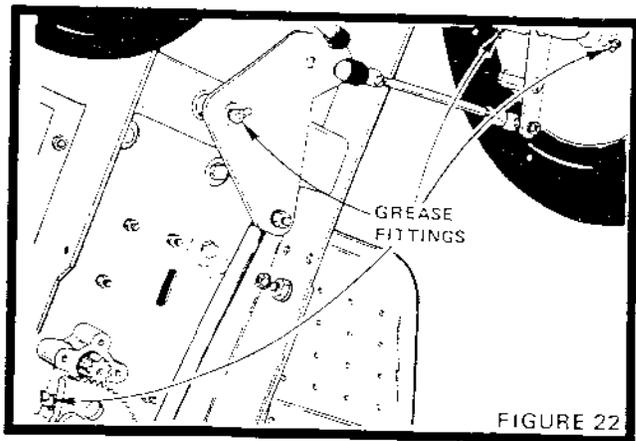


FIGURE 22

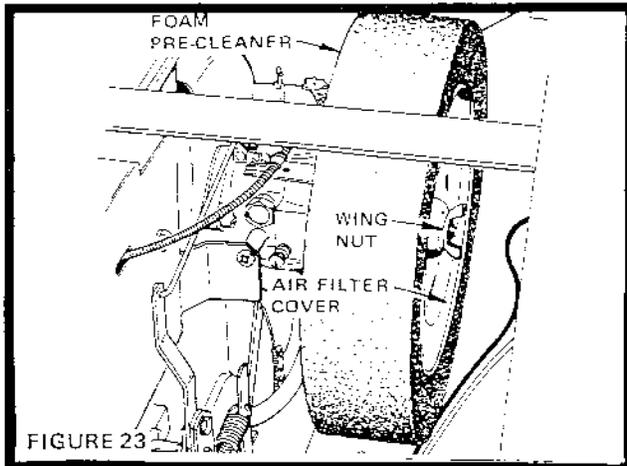


FIGURE 23

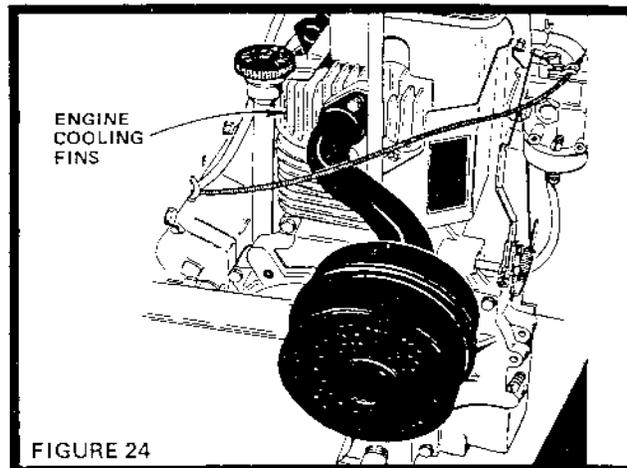


FIGURE 24

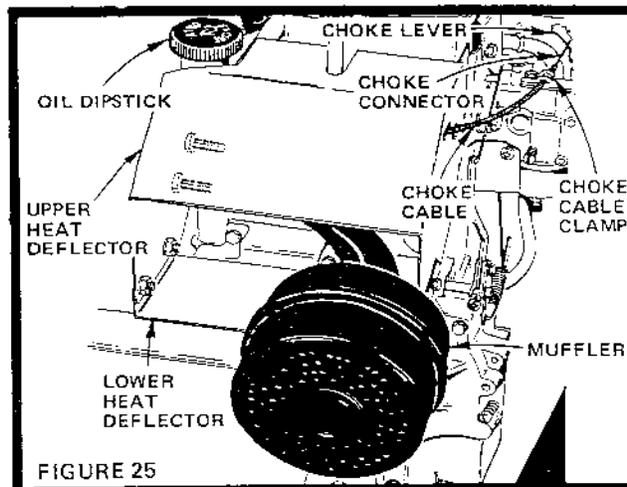


FIGURE 25

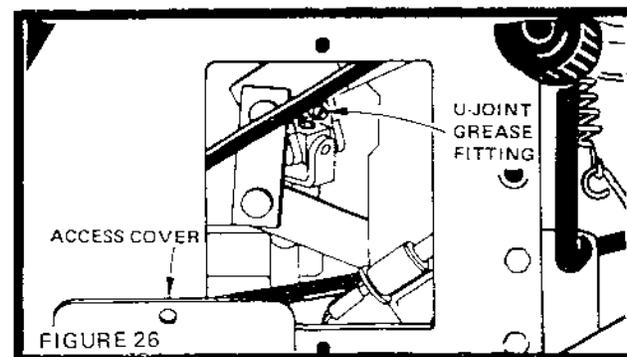


FIGURE 26

## EVERY 25 HOURS:

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

### 1. CLEAN AIR FILTER & FOAM PRE-CLEANER

- Unscrew Wing Nut (Fig. 23) to remove Air Filter Cover, Paper Air Filter Element and Foam Pre-Cleaner.
- Clean dust from Paper Air Filter Element by gently tapping Element on a flat surface.
- Wash Foam Pre-Cleaner in detergent and water.
- Rinse, squeeze (rather than twist) and allow to dry thoroughly.
- Coat with three tablespoons of S.A.E. 30 Engine Oil, knead to distribute evenly, and squeeze out excess.
- Check Paper Air Filter Element. Replace if excessively dirty.
- Re-Assemble Air Filter and re-position on Tractor. NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

### 2. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a days operation when all dirt and foreign material is suspended in the hot Oil. Refer to page 7.

## EVERY 50 HOURS

### 1. CLEAN ENGINE COOLING FINS

Keep Engine Cooling Fins (Fig. 24) free of dust, dirt and oil to prevent Engine damage from overheating.



THE MUFFLER AND IMMEDIATE AREA BECOME HOT AFTER RUNNING ENGINE. ALLOW SUFFICIENT TIME TO COOL.

- Loosen Choke Cable Clamp and disconnect Choke Connector (Fig. 25).
- Remove four Bolts to remove Lower Heat Deflector (Fig. 25).
- Remove two front Screws and rear Bolt to remove Upper Heat Deflector (Fig. 25).
- Clean Engine Cooling Fins with a stiff bristled brush or compressed air (Fig. 24).
- Reassemble Upper Heat Deflector with Choke Cable, tighten fasteners and Lower Heat Deflector and tighten Bolts (Fig. 25).
- Reconnect Choke Connector in middle hole of Choke Lever and slip Choke Cable under Clamp (Fig. 25).
- With Choke fully depressed, push Cable through Clamp as far as it will go towards Choke Connector and tighten Clamp (Fig. 25).

### 2. LUBRICATE STEERING U-JOINT

- Remove Access Cover (Fig. 26).
- Rotate Steering Wheel so that U-Joint Grease Fitting is exposed.
- Using a Grease Gun, give Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 (available at your Sears Service Center).

### 3. CHECK TRANSAXLE OIL LEVEL

- Remove Fill Plug (Fig. 27) from Transaxle Oil Fill (above L.H. rear axle). Oil level should be even with Oil Fill threads. Add S.A.E. 30 Motor Oil if necessary.
- Remove Chassis Channel Cover to check Pressure Relief Valve (above R.H. rear axle) (Fig. 27). It should spring completely closed when pulled out by hand and released.

## EVERY 100 HOURS:

### 1. CLEAN SPARK PLUG AND RESET GAP

Wire brush carbon deposits from Spark Plug Electrode and reset gap at .030 inch (Fig. 28). Replace Spark Plug if it shows signs of fouling or electrode erosion.

### 2. LUBRICATE BALL JOINTS

- Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 29).
- Coat Ball Joints with Silicone Spray Lubricant.
- Reposition Rubber Boots.

## EVERY 200 HOURS:

- REPLACE PAPER AIR FILTER ELEMENT

## EVERY 480 HOURS:

### CHANGE TRANSAXLE OIL

- Drain Transaxle Oil by removing Drain Plug (Fig. 27) and catching Oil in suitable container. Replace Drain Plug. Refill Transaxle with S.A.E. 30 (SC, SD or SE) Motor Oil. Capacity is 5 quarts.
- The Pressure Relief Valve may be held open to allow Transaxle to fill more quickly. To gain access to Valve, remove one hex bolt, lockwasher and nut from each end of the Chassis Channel Cover.
- Check Pressure Relief Valve. It should spring completely closed when pulled out by hand and released.

### AS NEEDED:

#### 1. TOE-IN ADJUSTMENT

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

- Loosen Jam Nuts (Fig. 29) at each end of Tie Rod Adjustment Sleeves.
- Adjust both Tie Rods so that Tie Rod Joints measure from 10 - 1/4 to 10 - 3/8 inches from studs center to center.
- Tighten Jam Nuts, making sure Tie Rod Joints are parallel (180°) to each other. This adjustment assures proper Front Wheel Toe-In and Steering Operation.

#### 2. CARBURETOR ADJUSTMENT

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 turns.
- Turn Idle Adjusting Needle (Fig. 30) clockwise, closing finger tight ONLY, and then turn counterclockwise 1 - 3/8 turns.
- Start Engine and allow to warm for five minutes.
- Make final adjustments with Engine running (Throttle Control in "F", fast position) and Gear Shift Lever in Neutral position.
  - Turn Idle Adjusting Needle 1/8 turn at a time, counterclockwise until Engine runs rough, then clockwise until Engine begins to miss. Return Screw to a point midway between these extremes. NOTE: Allow several seconds between each adjustment so engine may react to each setting.
  - Throttle Stop Screw (Fig. 30) should not require adjustment. If resetting is necessary, set to obtain the slowest engine speed at idle (Throttle Control in "S", slow position) that will allow smooth acceleration.

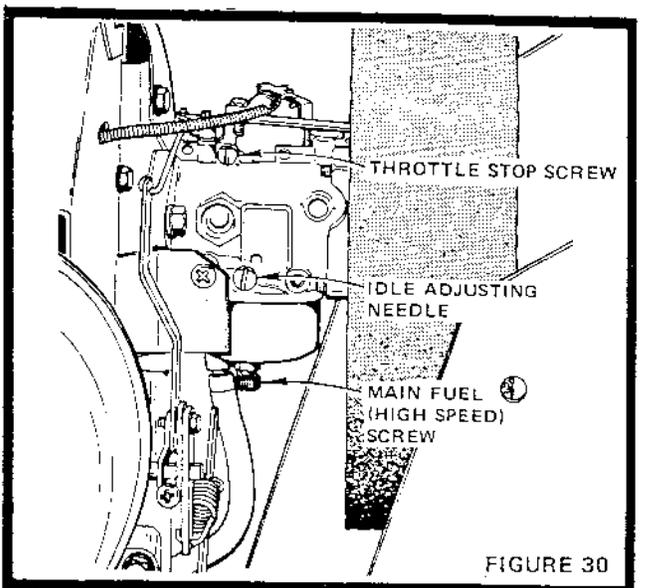
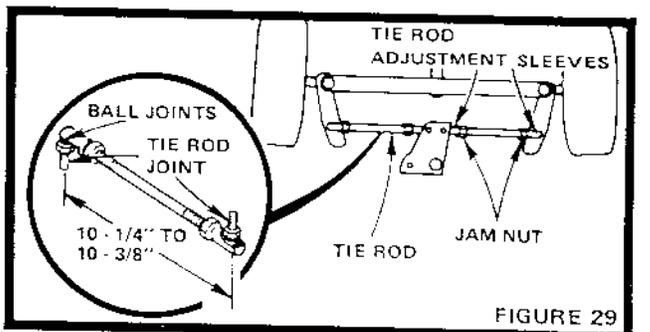
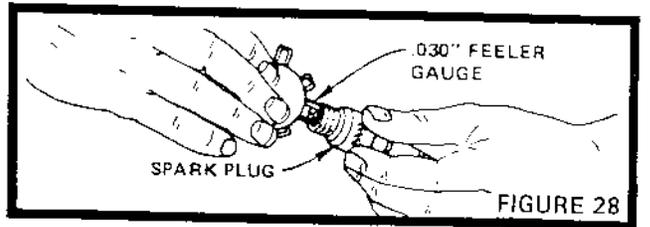
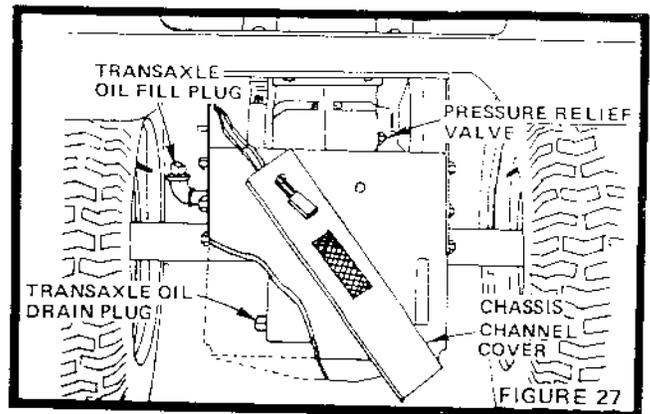
#### 3. RE-TENSION V-BELT

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

#### 4. BELT REPLACEMENT

The Belts on this tractor are special for this application. When replacing Belts always replace with original equipment.

- Remove Access Cover and Engine Pulley Cover. Also remove Engine Pulley Belt Guide (Fig. 15).
  - Depress Clutch-Brake Pedal and place Parking Brake in "LOCK" position. Tie Pedal down to front axle securely so that it will not accidentally jump back.
  - Remove Idler (Fig. 16).
  - Primary (Front) Belt can now be removed.
  - To replace Secondary (Rear) Belt: With the Clutch-Brake Pedal tied down, slip Primary Belt from Changer Sheave.
  - Remove Transaxle Pulley Belt Guard. Push the Control Lever forward until Belt can be removed from Flat Idler. Belt can now be removed from Transaxle Pulley and Changer Sheaves.
  - Reverse the above procedures to install new Belts. Replace Access and Engine Pulley Covers and Engine Pulley Belt Guide. Remove Clutch-Brake Pedal tie down.
- NOTE: When a new belt or belts are installed, you must check Belt Tension. Refer to "Check Belt Tension", page 6.





## TROUBLE SHOOTING

POSSIBLE CAUSE	POSSIBLE REMEDY
<b>WILL NOT START</b> Clutch-Brake Pedal in drive position Attachment Clutch Pedal in "ON" position No gasoline in Fuel Tank or clogged Fuel Line Blown Fuse Dead Battery	Push Pedal into brake position Move Pedal to "OFF" position Fill Tank with fresh Gasoline. Check Fuel Line and Carburetor (clean if necessary) Check for fault and replace Fuse Recharge or replace Battery
<b>HARD TO START</b> Choked improperly, flooded Engine  Clogged Fuel Tank Dirty Air Cleaner Spark Plug dirty or improper gap Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel  Improper Carburetor adjustment	Place Throttle Control in fast position and run starter several times to clear out gas Remove and clean Remove and clean Clean, adjust gap or replace Recharge or replace Check the wiring and Spark Plug Drain Fuel Tank and Carburetor, use fresh fuel and clean Spark Plug Make necessary adjustments
<b>ENGINE MISSES OR LACKS POWER</b> Engine overload Clogged Fuel Tank Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Air Screen Low oil level or dirty oil Spark Plug dirty, improper gap or wrong type Faulty ignition Poor compression Oil in gasoline	Shift to a lower gear or reduce load Remove and clean Remove and clean Make necessary adjustments Clean Air Screen, Cylinder Fins and Muffler area Add or change oil Clean, reset gap or replace Check Spark Plug and for loose wires Major Engine overhaul Drain and refill Gas Tank and Carburetor
<b>ENGINE OVERHEATS</b> 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, rotating Screen and Muffler area Remove and clean Muffler Remove and clean Use fresh fuel and adjust Carburetor
<b>NO LIGHTS</b> No Headlights with Light Switch Knob pulled out	Check Fuse, Wire Connections and Switch. Replace Sealed Beam Headlights.
<b>WON'T CHARGE</b> 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 7.

### 2. FUEL SYSTEM

- Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

### 3. CYLINDER

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

### 4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F). NOTE: DO NOT STORE BATTERY DIRECTLY ON CONCRETE SURFACE.
- Check electrolyte charge each month and recharge if below 1.225 specific gravity. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHUR DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

### 5. GENERAL CLEANING

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

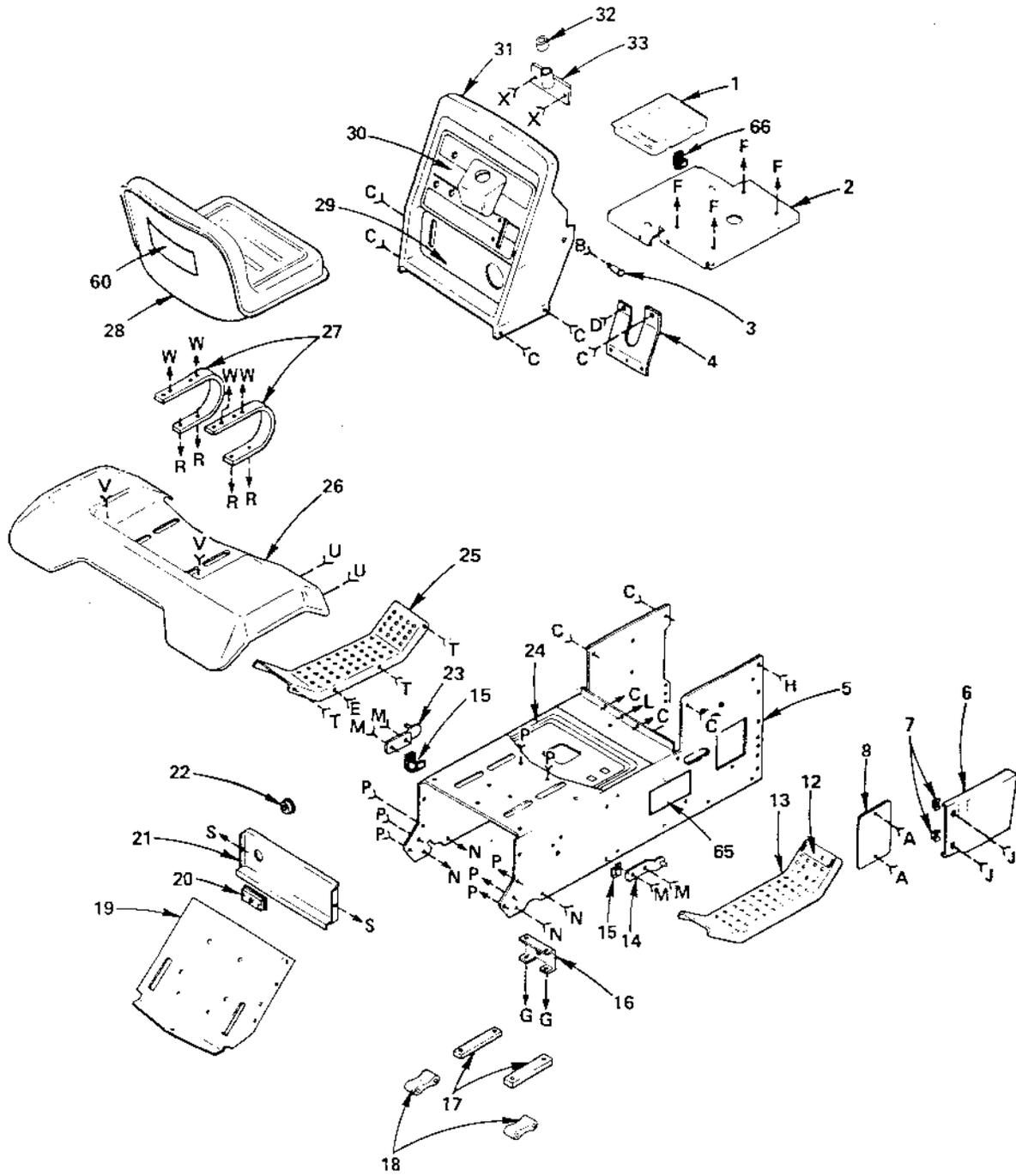
### 6. STORE IN A CLEAN AND DRY AREA.

Sears, Roebuck and Co. and Simpsons-Sears Limited 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

VARI DRIVE GT/14-MODEL NUMBER 917.257030

CHASSIS, FENDER & DASHBOARD



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

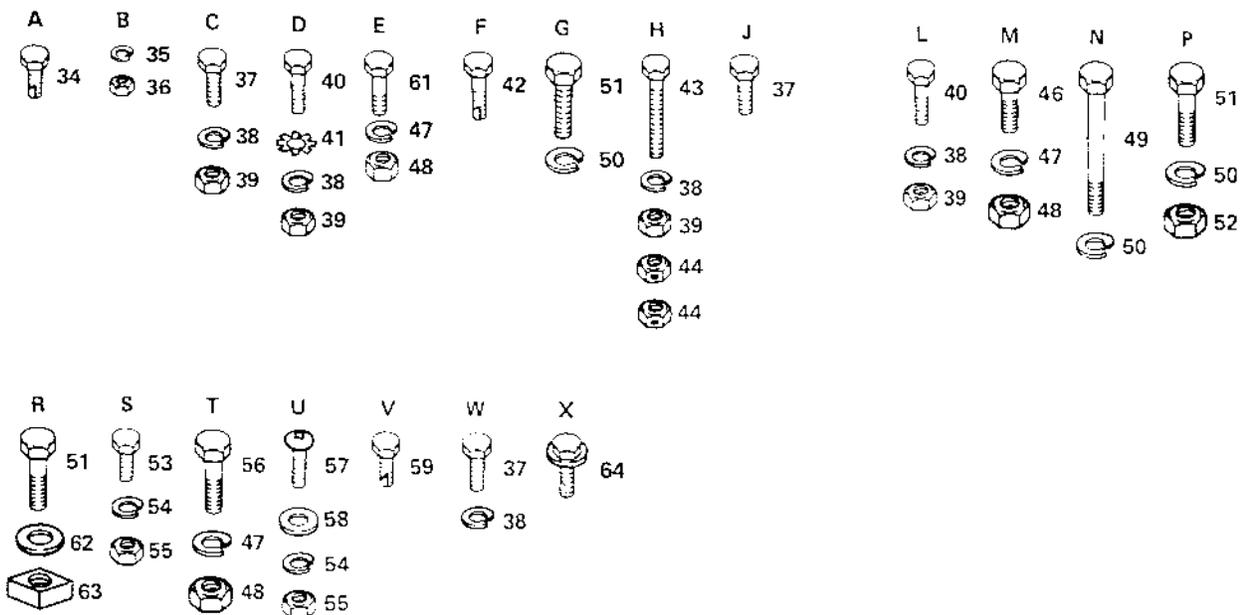
# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

## CHASSIS, FENDER & DASHBOARD

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8855R	Battery Tray	37	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8
2	8797R	Tank & Battery Support	38	STD551131	*Lockwasher 5/16
3	8753R	Hood Latch Pin	39	STD541031	*Hex Nut 5/16 - 18 UNC
4	8792R	Tank & Battery Support Brace	40	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
5	166J	Chassis Channel	41	STD551231	*Ext. Tooth Lockwasher 5/16
6	8791R	Engine Pulley Cover	42	5503P	Hex Head Thread Cutting Screw 5/16 - 18 UNC x 3/4 Type 23
7	8915R	Nut Retainer	43	3373P	Hex Bolt 5/16 - 18 UNC x 1 - 1/2 Full Thd.
8	9800R	Channel Access Cover	44	1685H	Locknut 5/16
12	8900R	Decal - Attachment Clutch	46	STD523707	*Hex Bolt 3/8 - 16 UNC x 7/8
13	8640R	Foot Rest - R.H.	47	STD551137	*Lockwasher 3/8
14	673A37	Suspension Arm Bracket Weldment - R.H.	48	STD541037	*Hex Nut 3/8 - 16 UNC
15	2751R	Clip - Fuel Line	49	3155P	Hex Bolt 7/16 - 14 UNC x 2 - 1/4
16	8825R	Transaxle Bracket	50	STD551143	*Lockwasher 7/16
17	159J	Seat Spring Lock Plate	51	3034P	Hex Bolt 7/16 - 14 UNC x 1
18	9248R	Transaxle Spacer	52	STD541043	*Hex Nut 7/16 - 14 UNC
19	673A95	Drawbar Assembly	53	STD522505	*Hex Bolt 1/4 - 20 UNC x 1/2
20	5012R	Reflector	54	STD551125	*Lockwasher 1/4
21	8782R	Chassis Channel Cover	55	STD541025	*Hex Nut 1/4 - 20 UNC
22	3807R	Universal Bushing	56	STD523710	*Hex Bolt 3/8 - 16 UNC x 1
23	673A38	Suspension Arm Bracket Weldment - L.H.	57	3358P	Cross Recess Truss Head Machine Screw 1/4 - 20 UNC x 5/8
24	200J	Decal-Shift Pattern	58	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
25	8641R	Foot Rest - L.H.	59	5600P	Hex Head Thread Cutting Screw 5/16 - 18 UNC x 1/2 Type 23
26	8509R	Fender	60	279J	Decal - Sears
27	8768R	Seat Spring	61	STD523707	*Hex Bolt 3/8 - 16 UNC x 3/4
28	239J	Seat	62	STD551043	*Washer 15/32 x 59/64 x 16 Ga.
29	199J	Decal - Lower Dashboard	63	569P	Square Nut 7/16 - 14 UNC
30	197J	Decal - Upper Dashboard	64	5606P	Hex Washer Hd. Thrd. Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
31	163J	Dashboard	65	195J	Decal - Model
32	9038R	Bearing	66	4171R	Insulated Clip
33	673A66	Steering Bracket & Bearing (Inc. Key No. 32)	---	53J	Warranty Tag
34	5599P	Hex Head Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23	---	145J	Owners Manual
35	STD551110	*Lockwasher No. 10			
36	STD541010	*Hex Nut No. 10 - 24 UNC			

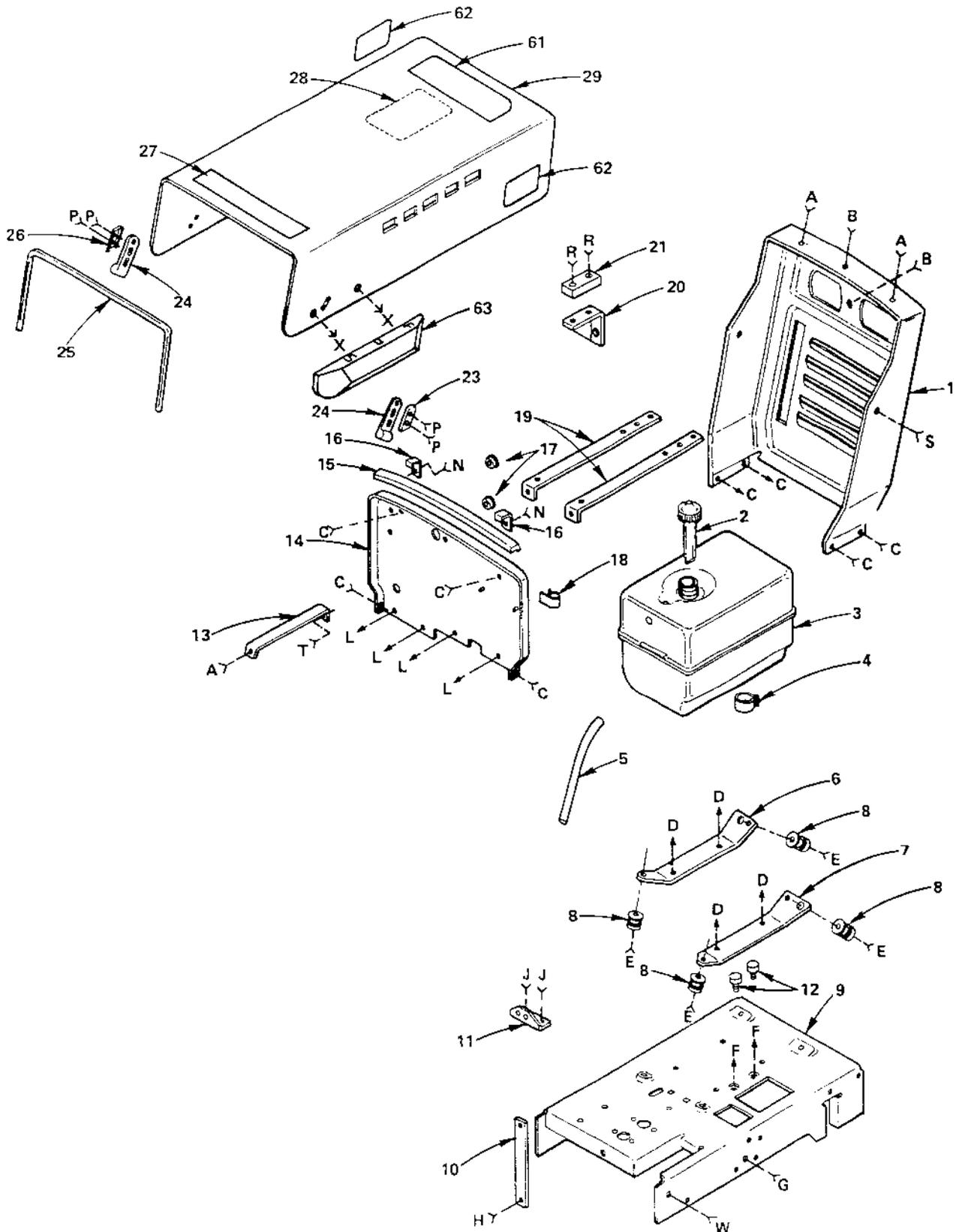
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

VARI DRIVE GT/14-MODEL NUMBER 917.257030

ENGINE MOUNT, HOOD & GRILL



# REPAIR PARTS

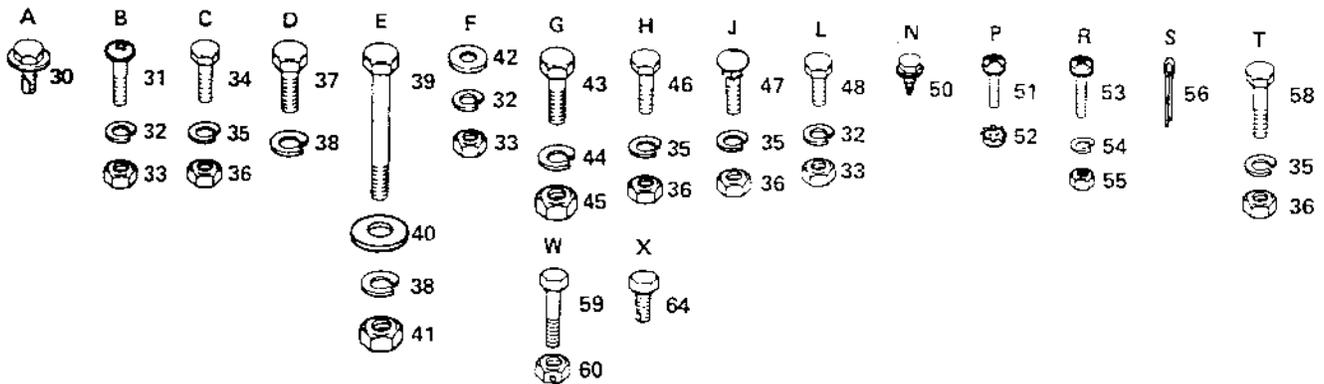
VARI DRIVE GT/14--MODEL NUMBER 917.257030

ENGINE MOUNT, HOOD & GRILL

another free manual from www.searstractormaterials.com

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	8655R	Grill	35	STD551131	*Lockwasher 5/16
2	8869R	Fuel Gauge	36	STD541031	*Hex Nut 5/16 - 18 UNC
3	36J	Fuel Tank	37	STD523707	*Hex Bolt 3/8 - 16 UNC x 7/8
4	9877R	Hose Clamp	38	STD551137	*Lockwasher 3/8
5	9806R	Fuel Line - Overflow	39	3236P	Hex Bolt Full Thread 3/8 - 16 UNC x 2 - 1/4
6	9306R	Engine Isolator Mounting Bracket - L.H.	40	1589P	Washer 13/32 x 1 - 1/4 x 12 Ga.
7	9305R	Engine Isolator Mounting Bracket - R.H.	41	STD541037	*Hex Nut 3/8 - 16 UNC
8	673A124	Iso-Mount Ass'y.	42	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
9	673A178	Engine Base Weldment	43	3034P	Hex Bolt 7/16 - 14 UNC x 1
10	8818R	Engine Base Brace	44	STD551143	*Lockwasher 7/16
11	9280R	Safety Switch Bracket	45	STD541043	*Hex Nut 7/16 - 14 UNC
12	9304R	Snubber Mount	46	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
13	8780R	Dashboard Brace	47	STD533107	*Sq. Neck Carriage Bolt 5/16 - 18 UNC x 3/4
14	8784R	Heat Shield	48	STD522505	*Hex Bolt 1/4 - 20 UNC x 1/2
15	8936R	Sealing Strip	50	5604P	Hex Washer Head Sheet Metal Screw No. 10 x 3/8 Type AB
16	8934R	Sealing Strip Clamp	51	STD551005	*Cross Recess Pan Head Machine Screw No. 10 - 24 UNC x 1/2
17	9151R	Snap Bushing	52	STD541410	*Keps Nut No. 10 - 24 UNC
18	4171R	Insulated Clip	53	3067P	Cross Recess Pan Head Machine Screw No. 10 - 24 UNC x 3/4
19	8781R	Grill Brace	54	STD551110	*Lockwasher No. 10
20	8933R	Grill Bracket	55	STD541010	*Hex Nut No. 10 - 24 UNC
21	9042R	Rubber Bumper	56	STD560907	*Cotter Pin 3/32 x 3/4
23	8935R	Hood Latch Cover - R.H.	58	STD523110	*Hex Bolt 5/16 - 18 UNC x 1
24	8889R	Hood Latch	59	3033P	Hex Bolt 7/16 - 14 UNC x 3/4
25	8937R	Hood Strip	60	7762H	Locknut 7/16 - 14 UNC
26	9015R	Hood Latch Cover - L.H.	61	886J	Decal - Sears Logo
27	192J	Decal - Varidrive	62	885J	Decal - Sears Symbol
28	8028R	Decal - Maintenance	63	186J	Speed Indicator
29	673A150	Hood Ass'y.	64	5599P	Hex Hd. Thd. Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
30	5600P	Hex Washer Head Thread Cutting Screw 5/16 - 18 UNC x 1/2 Type 23			
31	STD512507	*Cross Recess Truss Head Machine Screw 1/4 - 20 UNC x 3/4			
32	STD551125	*Lockwasher 1/4			
33	STD541025	*Hex Nut 1/4 - 20 UNC			
34	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8			

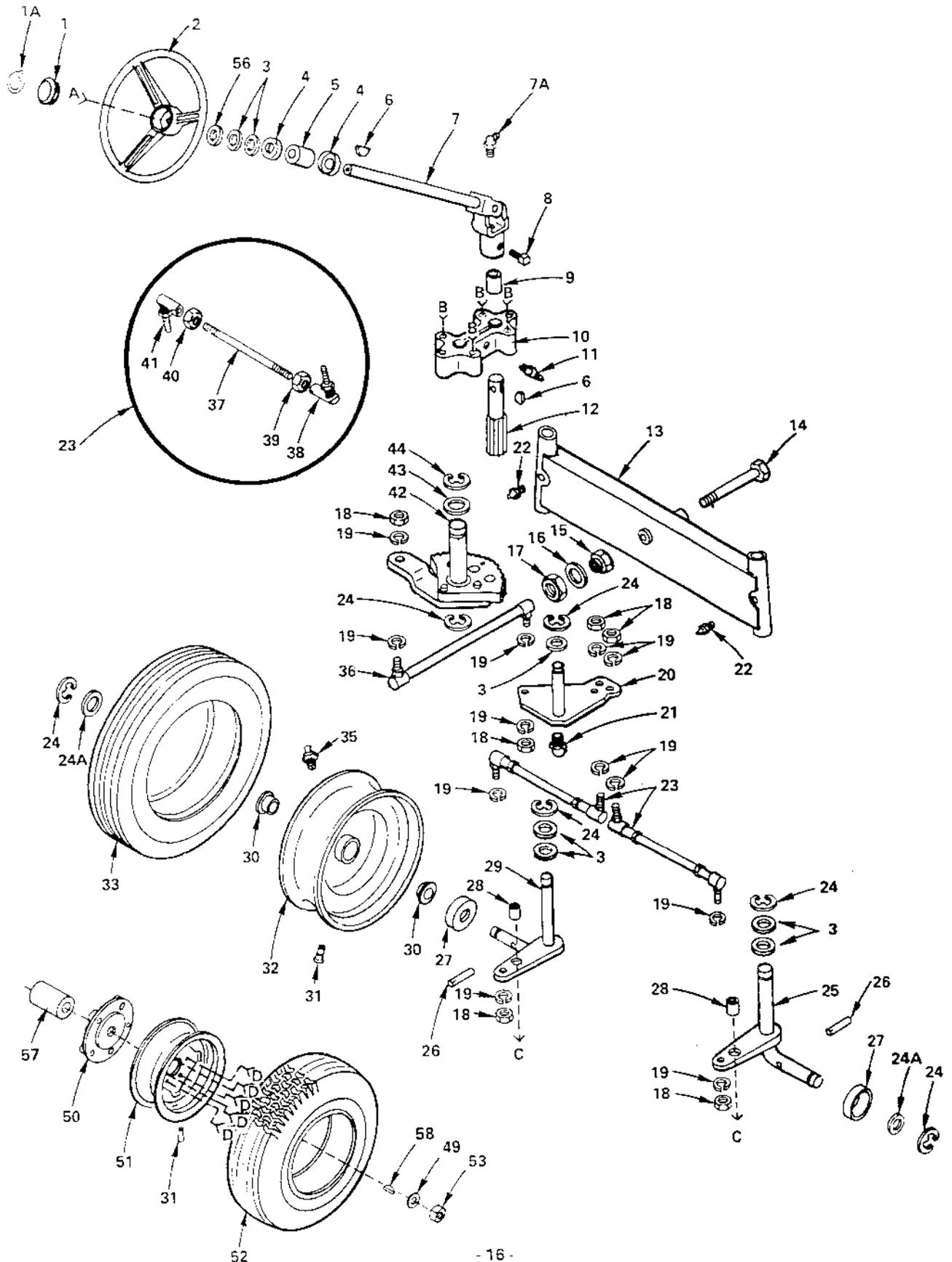
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

## STEERING AND FRONT AXLE



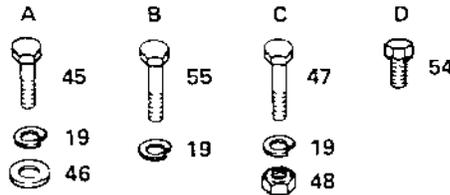
# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

## STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	1114J	Steering Wheel Insert Cap	29	673A19	Spindle Weldment - L.H.
1A	143J	Decal - Steering Wheel Cap	30	9040H	Flanged Bearing
2	188J	Steering Wheel	31	795R	Tire Valve
3	1552P	Washer 49/64 x 1 - 1/4 x 16 Ga.	32	9473R	Front Wheel (Inc. Key No's. 30 & 35)
4	9007H	Cap - Steering Tube	33	2795R	Front Tire - Tubeless 16 x 5.50
5	5949H	Rubber Bushing	35	6856M	Grease Fitting
6	9858M1	Woodruff Key 3/16 x 5/8 H.T.	36	8865R	Steering Drag Link
7	9822R	U-Joint (Inc. Key No. 7A)	37	673A39	Tie Rod (Inc. Key No's. 39 and 40)
7A	9823R	Grease Fitting	38	8922R	Tie Rod Joint - L.H. Thread
8	4505P	Sq. Hd. Set Screw 3/8 - 16 UNC x 1/2	39	547P	Hex Jam Nut 3/8 - 24 UNF - L.H. - 2B
9	161J	"U" Joint Spacer	40	STD541337	*Hex Jam Nut 3/8 - 24 UNF - 2B
10	8839R	Steering Support Bracket	41	8921R	Tie Rod Joint - R.H. Thread
11	6842M	Grease Fitting	42	673A147	Steering Sector Ass'y.
12	157J	Steering Pinion	43	1553P	Washer 57/64 x 1 - 1/4 x 16 Ga.
13	673A26	Front Axle Weldment	44	5017P	E-Ring
14	8916R	Pivot Bolt 5/8 - 11 UNC x 6	45	STD523710	*Hex Bolt 3/8 - 16 UNC x 1
15	156J	Shoulder Nut	46	1517P	Washer 7/16 x 1 x 14 Ga.
16	STD551062	*Washer 21/32 x 1 - 5/16 x 13 Ga.	47	STD523717	*Hex Bolt 3/8 - 16 UNC x 1 - 3/4
17	522P	Hex Jam Nut 5/8 - 11 UNC	48	STD541037	*Hex Nut 3/8 - 16 UNC
18	STD541137	*Hex Nut 3/8 - 24 UNF	49	STD551062	*Washer 21/32 x 1 - 5/16 x 13 Ga.
19	STD551137	*Lockwasher 3/8	50	173J	Wheel Hub and Insert
20	673A30	Steering Bell Crank Weldment	51	468J	Rear Wheel
21	6853M	Grease Fitting	52	8246R	Rear Tire - Tubeless 23 x 8.50 - 12
22	6855M	Grease Fitting			
23	673A15	Steering Tie Rod (Inc. Key No's. 37 thru 41)	53	4764H	Huglock Nut
24	STD581075	*E-Ring	54	1304H	Hub Bolt
24A	1589P	Washer 49/64 x 1 - 5/8 x 16 Ga.	55	3022P	Hex Bolt 3/8 - 16 UNC x 7/8
25	673A20	Spindle Weldment - R.H.	56	1591P	Washer 25/32 x 1 - 1/4 x 21 Ga.
26	9530R	Groove Pin	57	176J	Axle Steeve
27	8798R	Dust Cup - Inner	58	5101H	Woodruff Key 1/4 x 1 - 1/8 H.T.
28	8907R	Bushing - Steering Stop			

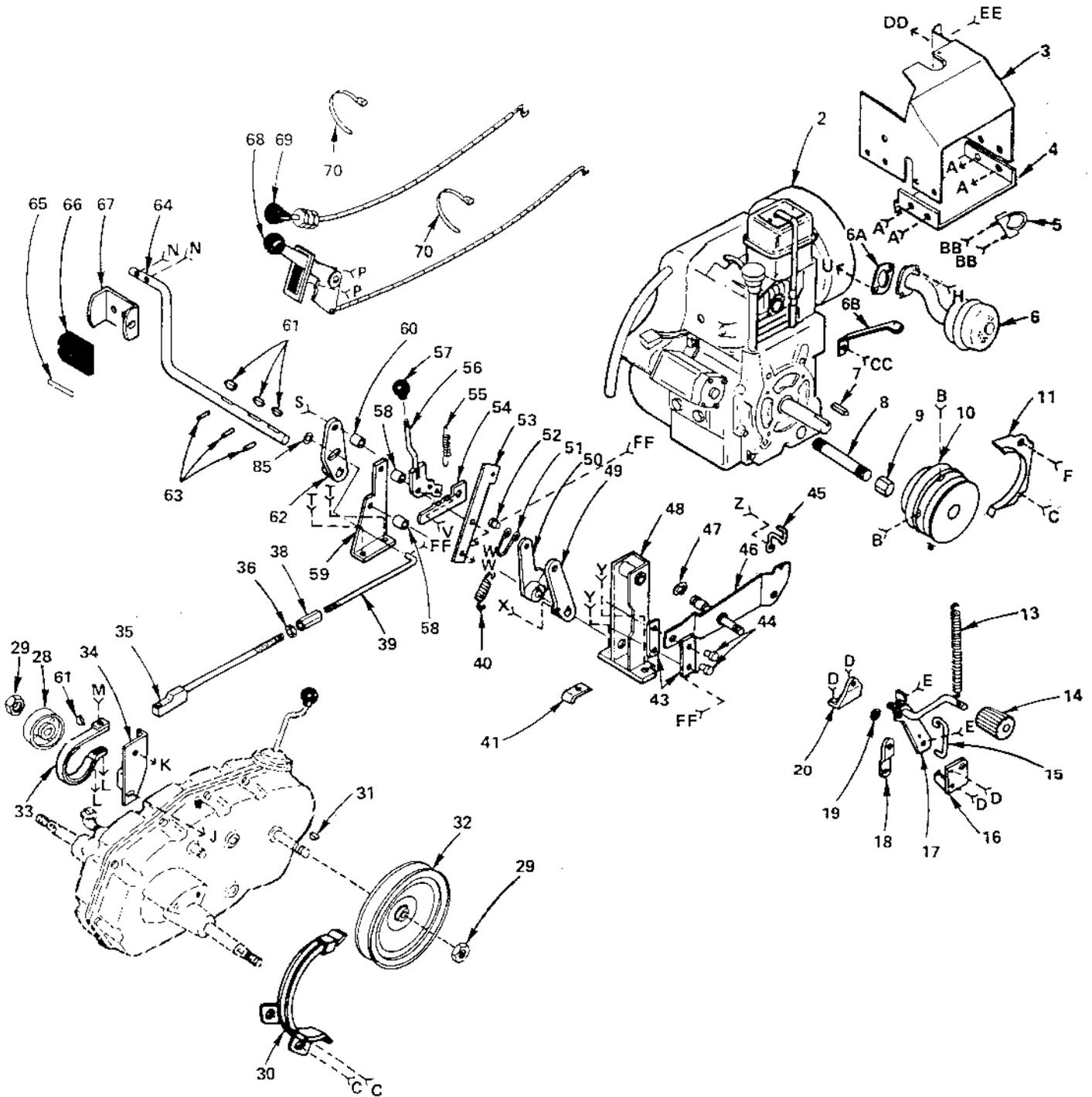
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

## CLUTCH-BRAKE



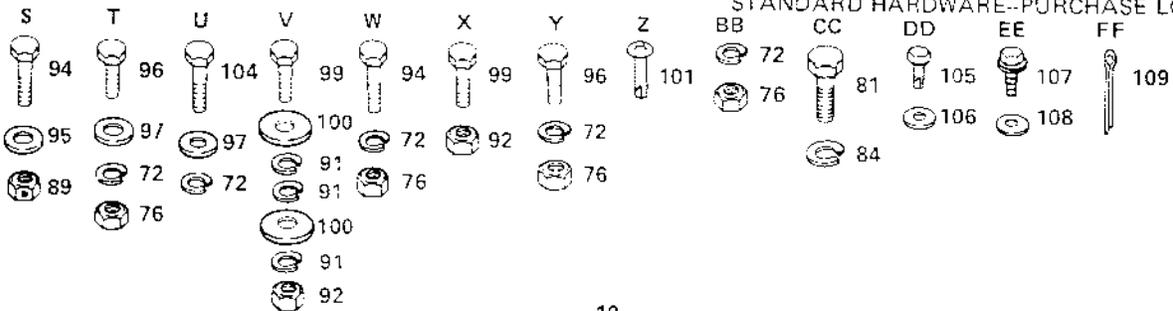
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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | H | J | K | L | M | N | P |
|   |   |   |   |   |   |   |   |   |   |   |   |   |
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|   |   |   |   |   |   |   |   |   |   |   |   |   |

# REPAIR PARTS

VARI DRIVE GT/14-MODEL NUMBER 917.257030

## CLUTCH - BRAKE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
2	673A156	Engine - 14 H.P. Craftsman (Model No. 143.680012)	61	2228M	Woodruff Key 3/16 x 3/4 H.T.
3	9587R	Heat Deflector - Upper	62	8835R	Brake Arm
4	9586R	Heat Deflector - Lower	63	5142H	Roll Pin
5	673A75	Muffler Clamp (Inc. Key No. 76)	64	8760R	Foot Pedal Shaft
6	421J	Muffler	65	8899R	Insert - Clutch-Brake
6A	2949R	Muffler Gasket	66	8882R	Foot Pedal
6B	9293R	Exhaust Pipe Brace	67	8795R	Foot Pedal Bracket
7	9396E	Sq. Key	68	9299R	Throttle Control
8	4011P	Oil Drain Pipe 3/8 - 18 NPT x 3 - 1/2	69	8881R	Choke Control
9	4010P	Drain Pipe Cap 3/8 - 18 NPT	70	6106R	Cable Tie
10	673A155	Engine Pulley & Set Screws (Inc. Key No. 73)	71	STD511005	*Hex Mach. Screw No. 10 - 24 UNC x 1/2
11	164J	Engine Pulley Belt Guide	71A	STD541010	*Hex Nut No. 10 - 24 UNC
13	8906R	Spring - Mower Clutch	71B	STD551110	*Lockwasher No. 10
14	8883R	Attachment Pedal Cover	72	STD551131	*Lockwasher 5/16
15	9283R	Clutch Spring Hanger	73	4540P	Hex Forged Socket Headless Set Screw 5/16 - 18 UNC x 1/2
16	673A105	Clutch Bracket Outer Ass'y.	74	STD523106	*Hex Bolt 5/16 - 18 UNC x 5/8
17	673A106	Clutch Lever Weldment	75	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
18	8832R	Clutch Link - Lower	76	STD541031	*Hex Nut 5/16 - 18 UNC - 2B
19	5018P	Retaining Ring	77	STD561210	*Cotter Pin 1/8 x 1
20	8828R	Clutch Bracket - Inner	81	STD523707	*Hex Bolt 3/8 - 16 UNC x 3/4
28	214J	Brake Drum	82	STD523707	*Hex Bolt 3/8 - 16 UNC x 7/8
29	9204H	Locknut 1/2 - 20 UNF	84	STD551137	*Lockwasher 3/8
30	673A174	Belt Guard Weldment	85	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
31	9858M1	Woodruff Key 3/16 x 5/8 H.T.	86	3164P	Undercut Flat Head Mach. Screw 3/8 - 16 UNC x 3/4
32	182J	Transaxle Pulley	87	STD532505	*Sq. Neck Carriage Bolt 1/4 - 20 UNC x 1/2
33	673A28	Brake Band Ass'y.	88	1605H	Locknut 1/4 - 20 UNC
34	673A27	Brake Bracket Weldment	89	1685H	Locknut 5/16 - 18 UNC
35	626A365	Brake Rod Ass'y.	90	5599P	Hex Hd. Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
36	STD541037	*Hex Nut 3/8 - 16 UNC	91	STD551125	*Lockwasher 1/4
38	6417H	Turnbuckle	92	STD541025	*Hex Nut 1/4 - 20 UNC
39	8852R	Brake Rod - Front	94	STD523110	*Hex Bolt 5/16 - 18 UNC x 1 Grade 5
40	8905R	Spring - Idler	95	STD551025	*Washer 5/16 x 3/4 x 16 Ga.
41	9896R	Wire Guard	96	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
43	8815R	Clutch Arm Link	97	STD551037	*Washer 11/32 x 11/16 x 16 Ga.
44	8912R	Drilled Flat Head Rivet	99	STD522507	*Hex Bolt 1/4 - 20 UNC x 3/4
45	8848R	V-Idler Belt Guide	100	1585P	Washer 9/32 x 1 - 1/4 x 16 Ga.
46	673A143	Belt Idler Bracket Weldment	101	5602P	Cross Recess Truss Head Thread Cutting Screw 1/4 - 20 UNC x 1/2 Type 23
47	STD581062	*E-Ring	104	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4 Grade 5
48	673A21	Belt Idler Support Ass'y.	105	5604P	Hex Head Self Tapping Cutting Screw No. 10 x 3/8 Type 23
49	8837R	Clutch Pivot Arm	106	STD551010	*Washer 7/32 x 1/2 x 18 Ga.
50	8836R	Safety Switch Arm	107	5603P	Hex Washer Head Sheet Metal Screw No. 12 x 1/2 Type AB
51	8850R	Spring Clevis	108	STD551012	*Washer 1/4 x 9/16 x 16 Ga.
52	8911R	Drilled Flat Head Rivet	109	2505P	Cotter Pin 1/8 x 3/4
53	8820R	Parking Brake Lock Bracket	110	STD523727	*Hex Bolt 5/16 - 18 UNC x 2 - 3/4
54	1098J	Parking Brake Lock Bar	111	STD541231	*Hex Jam Nut 5/16 - 18 UNC
55	8904R	Spring - Parking Brake			
56	673A18	Parking Brake Lever Weldment			
57	8871R	Control Knob - Parking Brake			
58	8908R	Bushing - Brake Lever			
59	8822R	Parking Brake Support			
60	8909R	Bushing - Lock Bar			

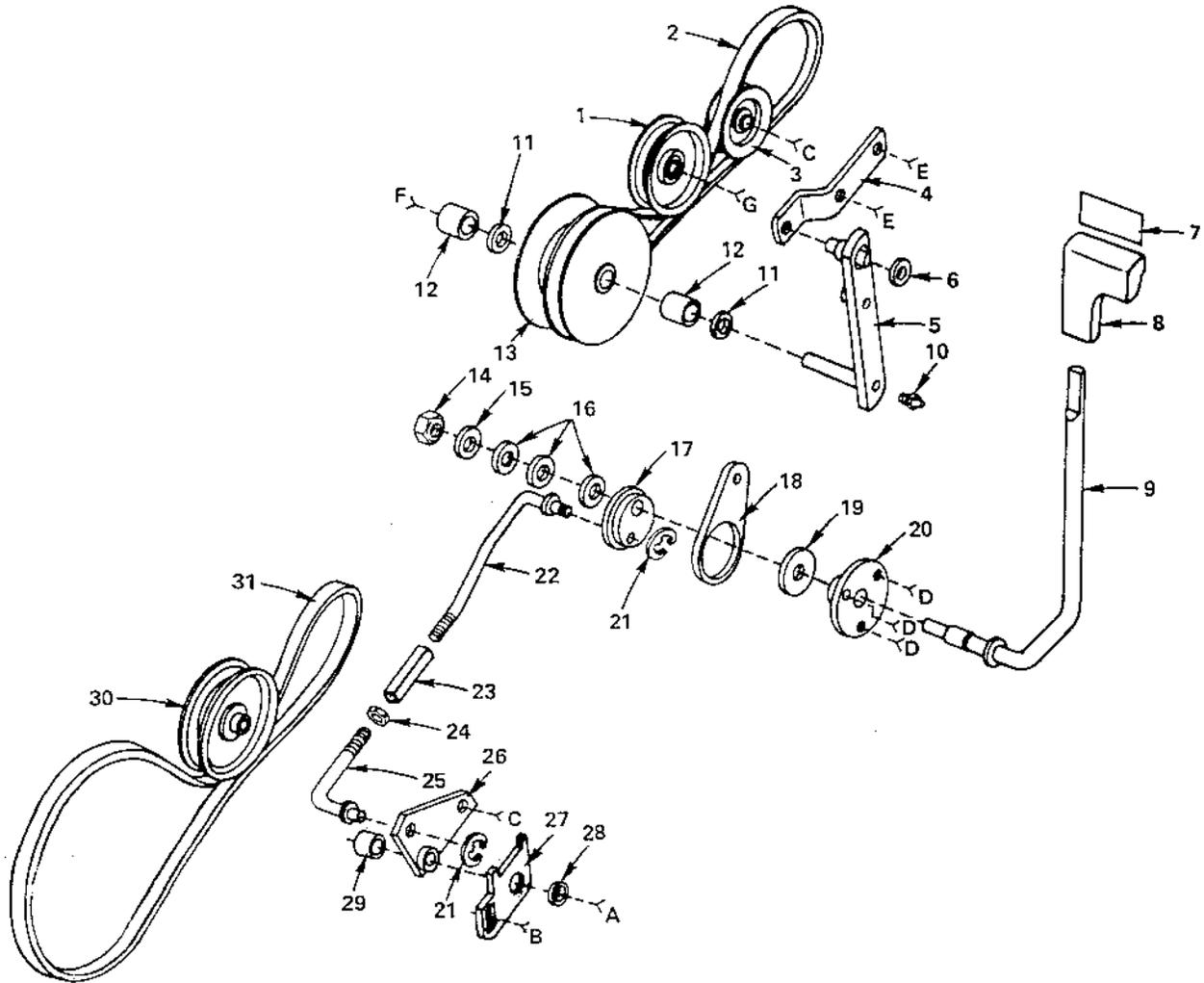


\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

VARIDRIVE SYSTEM



- |   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
| <b>A</b>  | <b>B</b>  | <b>C</b>  | <b>D</b>  | <b>E</b>   | <b>F</b>  | <b>G</b>  |
|  |  |  |  |  |  |  |
| 37  | 36  | 37  | 38  | 41   | 42  | 45  |
|  |  |  |  |  |  |   |
| 33  | 33  | 34  | 39  | 34   | 43  |   |
|  |  |  |  |  |  |   |
| 34  | 34  | 34  | 40  | 35   | 44  |   |
|  |  |  |   |  |   |   |
| 35  | 35  | 35  |   |  |   |   |

# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

VARIDRIVE SYSTEM

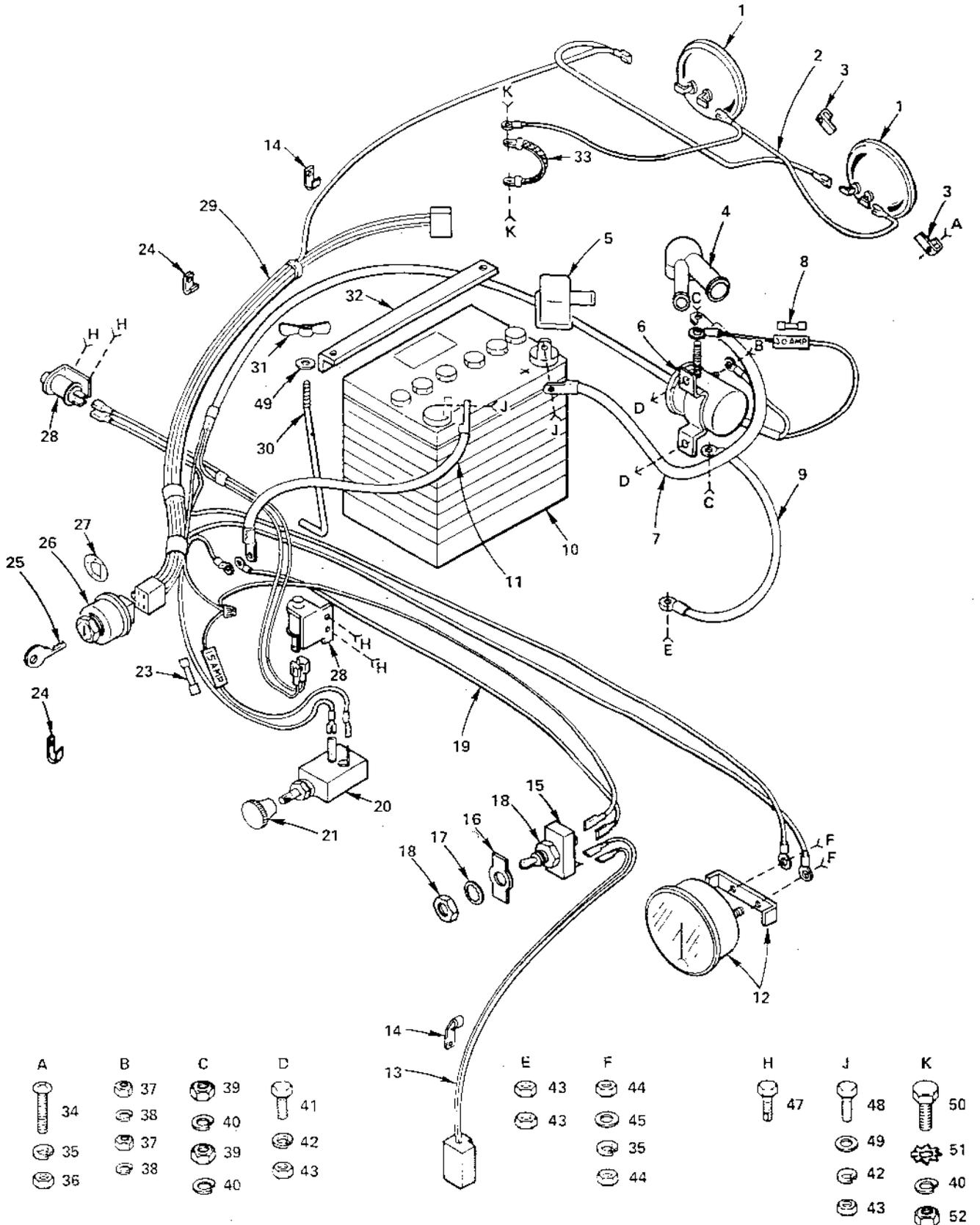
KEY NO.	PART NO.	DESCRIPTION
1	181J	Flat Idler (Primary)
2	177J	V-Belt (Primary)
3	179J	Belt Idler (V-Groove)
4	158J	Varidrive Pivot Bracket
5	673A146	Varidrive Arm Assembly
6	207J	Hardened Washer
7	884J	Decal - Varidrive Control
8	187J	Control Knob
9	185J	Control Lever
10	6855M	Grease Fitting
11	206J	Hardened Washer
12	146J	Bearing
13	673A144	Changer Sheaves and Bearings (Inc. Key No.12)
14	9204H	Locknut 1/2 - 20 UNF
15	1500P	Washer 17/32 x 1 - 1/16 x 13 Ga.
16	174J	Spring Washer
17	169J	Eccentric Cam
18	171J	Varidrive Control Plate
19	175J	Friction Washer
20	170J	Eccentric Pivot Bracket
21	5006P	E-Ring
22	184J	Flat Idler Linkage Arm - Front
23	6417H	Turnbuckle
24	STD541237	*Hex Jam Nut 3/8 - 16 UNC
25	183J	Flat Idler Linkage Arm - Rear
26	673A192	Flat Idler Bracket
27	167J	Flat Idler Stop Bracket
28	205J	Hardened Washer
29	1208J	Pivot Sleeve
30	180J	Flat Idler (Secondary)
31	178J	V-Belt (Secondary)
33	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
34	STD551137	*Lockwasher 3/8
35	STD541037	*Hex Nut 3/8 - 16 UNC
36	3022P	Hex Bolt 3/8 - 16 x 7/8
37	STD523715	*Hex Bolt 3/8 - 16 x 1 - 1/2
38	STD523107	*Hex Bolt 5/16 - 18 x 3/4
39	STD551131	*Lockwasher 5/16
40	STD541031	*Hex Nut 5/16 - 18 UNC
41	STD523710	*Hex Bolt 3/8 - 16 x 1
42	STD522507	*Hex Bolt 1/4 - 20 x 3/4 Grade 5
43	STD551125	*Lockwasher 1/4
44	1592P	Washer 9/32 x 1 x 10 Ga.
45	514P	Nylok Nut 3/8 - 16 UNC

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

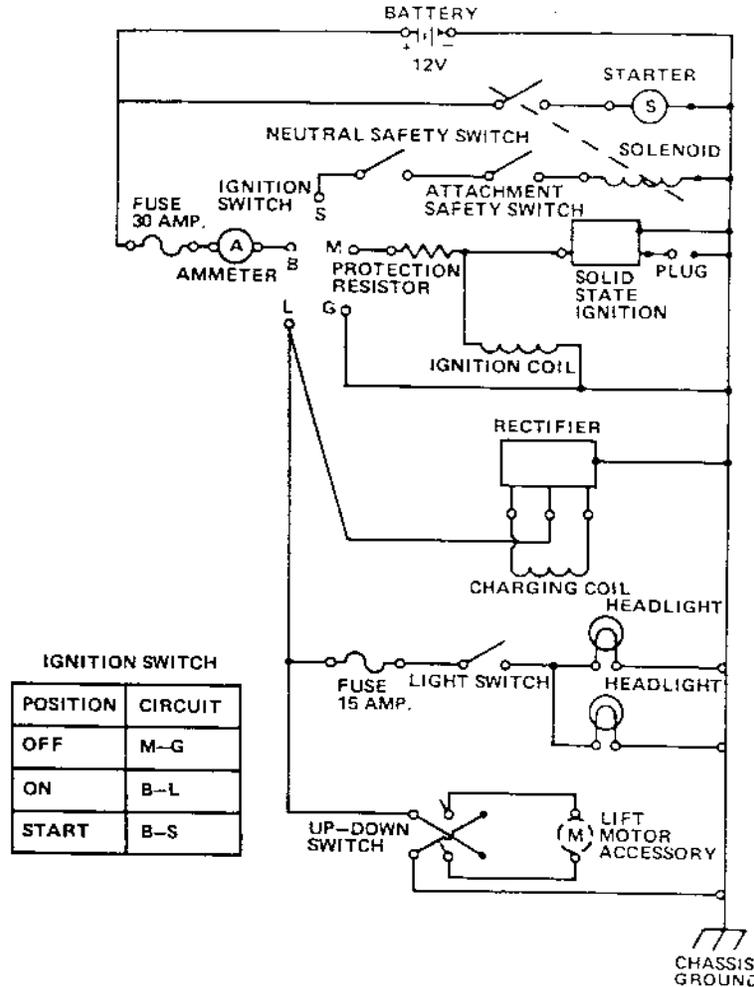
## ELECTRICAL



# REPAIR PARTS

VARI DRIVE GT/14--MODEL NUMBER 917.257030

## ELECTRICAL

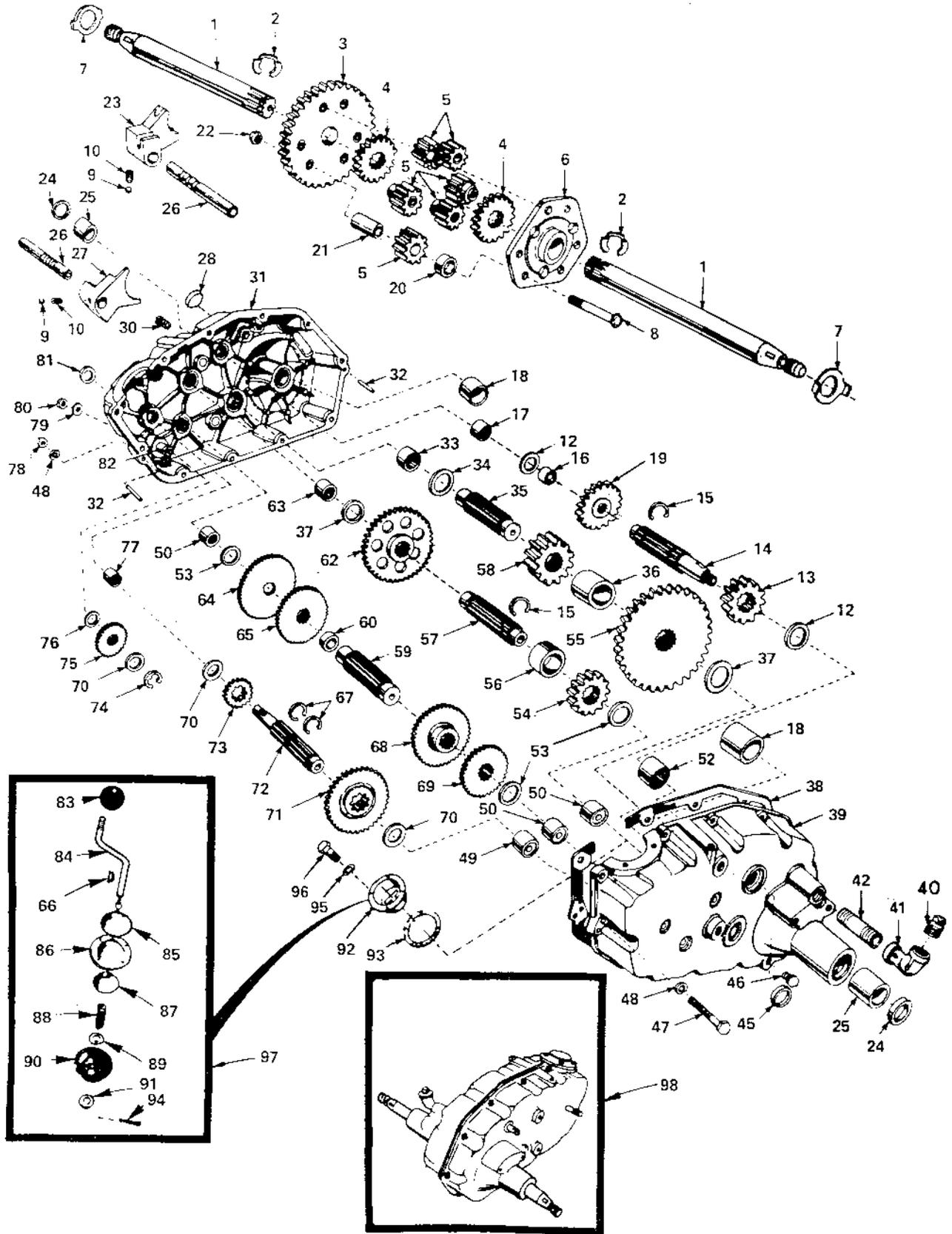


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	6452R	Headlight	29	222J	Wiring Harness
2	8031R	Wire - Headlight Ground	30	8854R	Battery Bolt
3	8794R	Headlight Clamp	31	3748M	Wing Nut 1/4 - 20 UNC
4	51J	Terminal Insulator (Dual)	32	8796R	Battery Hold Down
5	8856R	Terminal Insulator	33	9289R	Ground Strap
6	103R	Solenoid (Inc. Key No. 37 thru 40)	34	3349P	Cross Recess Truss Hd. Mach. Screw No. 10 - 24 UNC x 1
7	9277R	Battery Cable	35	STD551110	*Lockwasher No. 10
8	6347R	Fuse - 30 Amp.	36	STD541010	*Hex Nut No. 10 - 24 UNC
9	8860R	Starter Cable	37	STD541008	*Hex Nut No. 8 - 32 UNC
10	8859R	Battery	38	STD551108	*Lockwasher No. 8
11	8861R	Ground Cable	39	STD541331	*Hex Jam Nut 5/16 - 24 UNF
12	9433R	Ammeter	40	STD551131	*Lockwasher 5/16
13	9700R	Harness - Lift Motor	41	STD511505	*Hex Bolt 1/4 - 20 UNC x 1/2
14	4171R	Insulated Clip	42	STD551125	*Lockwasher 1/4
15	8984R	Lift Switch (Inc. Key No. 18)	43	STD541025	*Hex Nut 1/4 - 20 UNC
16	9349R	Up-Down Plate	44	STD541110	*Hex Nut No. 10 - 32 UNF
17	7319R	Internal Tooth Lockwasher	45	1583P	Brass Washer No. 10
18	566P	Hex Nut 15/32 - 32 NS	47	5595P	Hex Self Tapping Screw No. 10 x 1/2 Type 23
19	9697R	Ground Wire	48	STD522507	*Hex Bolt 1/4 - 20 UNC x 3/4
20	7793R	Light Switch	49	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
21	7794R	Light Switch Knob	50	STD523107	*Hex Bolt 5/16 - 18 UNC x 3/4
23	2212R	Fuse - 15 Amp.	51	STD551231	*Ext. Tooth Lockwasher 5/16
24	2751R	Clip - Fuel Line	52	STD541031	*Hex Nut 5/16 - 18 UNC
25	7552H	Key and Ring Assembly			
26	4406R	Ignition Switch (Inc. Key No. 25)			
27	8657R	Terminal Identifier			
28	7755R	Safety Switch			

# REPAIR PARTS

VARI DRIVE GT/14-MODEL NUMBER 917.257030

## TRANSAXLE



# REPAIR PARTS

VARI DRIVE GT/14-MODEL NUMBER 917.257030

## TRANSAXLE

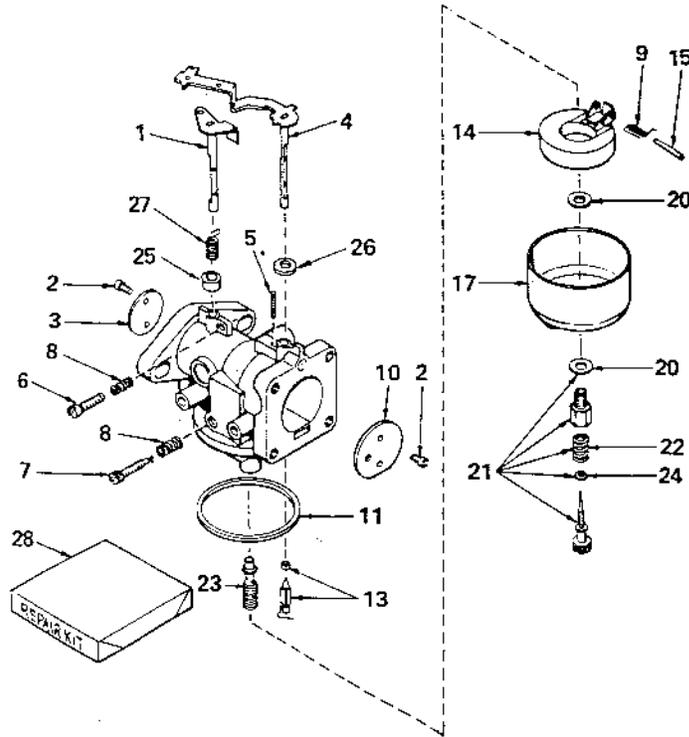
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	210J	Axle Shaft	49	4895H	Needle Bearing
2	5845R	Retaining Ring	50	4222R	Needle Bearing
3	4199R	Final Drive Gear	52	8119M	Needle Bearing
4	4216R	Differential Gear	53	4220R	Thrust Bearing Race
5	4215R	Differential Pinion	54	211J	3rd Reduction Pinion
6	4217R	Differential Carrier	55	4213R	4th Reduction Gear
7	6256H	Axle Thrust Washer	56	215J	3rd Reduction Pinion Spacer
8	3056P	Hex Bolt 3/8 - 24 UNF x 3 - 1/4 (1" Thread Length)	57	4195R	2nd Reduction Gear Shaft
9	7392M	Steel Ball	58	4214R	Final Drive Pinion
10	6272H	Spring-Shift Fork Detent	59	4194R	1st Reduction Gear Shaft
12	6266H	Thrust Bearing Race	60	7528R	1st Reduction Shaft Spacer
13	4212R	4th Reduction Pinion	62	4207R	2nd Reduction Gear
14	209J	3rd Reduction Gear Shaft	63	7398H	Needle Bearing
15	6276H	Retaining Ring	64	4203R	Low Speed Gear and 2nd Reduction Pinion Cluster
16	216J	3rd Reduction gear Spacer	65	4204R	Reverse Gear
17	8118M	Needle Bearing	66	7835M	Woodruff Key 1/8 x 1/2
18	8740H1	Sintered Iron Bearing	67	4926H	Retaining Ring
19	212J	3rd Reduction Gear	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 Centerlock Nut 3/8 - 24 UNF	71	633A69	Intermediate and High Speed Cluster Pinion
23	4986R	Shift Fork - L.H.	72	208J	Input Shaft
24	7393R	Oil Seal	73	4201R	Low Speed Pinion
25	992R1	Sintered Iron Bearing	74	STD581062	*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	217J	Expansion Plug	77	3990H	Needle Bearing
30	5855H	Pressure Relief Valve	78	STD541031	*Hex Nut 5/16 - 18 UNC
31	633A101	Gearcase and Bearings - R.H. (Inc. Key No's. 17, 18, 25, 33, 50, 63, 76, 77, and 82)	79	1167R	Sealing Washer
32	6277H	Dowel Pin	80	541P	Hex Jam Nut 7/16 - 20 UNF
33	4225R	Needle Bearing	81	6270H	Oil Seal
34	7396H	Thrust Bearing Race	82	7384H	Reverse Idler Shaft
35	4198R	4th Reduction Gear Shaft	83	6364H	Control Knob
36	4200R	4th Reduction Gear Spacer	84	9011R	Gear Shift Lever - Bent
37	7395H	Thrust Bearing Race	85	9013R	Gear Shift Cap
38	6275H	Gearcase Gasket	86	633A85	Gear Shift Ball Cover and pin
39	633A64	Gearcase and Bearings-L.H. (Inc. Key No's. 18, 25, 49, 50 and, 52)	87	8739H1	Shift Lever Guide
40	4002P	Pipe Plug 1/2 - 14 N.P.T.	88	4924H	Spring
41	4015P	Elbow 90°, 1/2 - 14 N.P.T.	89	STD551043	*Washer 15/32 x 59/64 x 16 Ga.
42	4014P	Std. Pipe Nipple 1/2 - 14 N.P.T. x 3	90	8105R	Shift Mechanism Seal
45	6271H	Oil Seal	91	STD551050	*Washer 9/16 x 15/16 x 11 Ga.
46	4001P	Pipe Plug 1/4 - 18 N.P.T.	92	75J	Gear Shift Gate
47	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2 Grade 5	93	6274H	Shift Ball Cover Gasket
48	1007P	Lockwasher 5/16 Extra Heavy	94	STD561210	*Cotter 1/8 x 3/4
			95	STD551131	*Lockwasher 5/16
			96	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
			97	633A87	Gear Shift Lever Ass'y.
			98	633A104	Transaxle Assembly Less Brake Drum & Shift Lever Ass'y.

\*STANDARD HARDWARE--PURCHASE LOCALLY

# REPAIR PARTS

VARIDRIVE GT/14--MODEL NUMBER 917.257030  
CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012

CARBURETOR NO. 632032

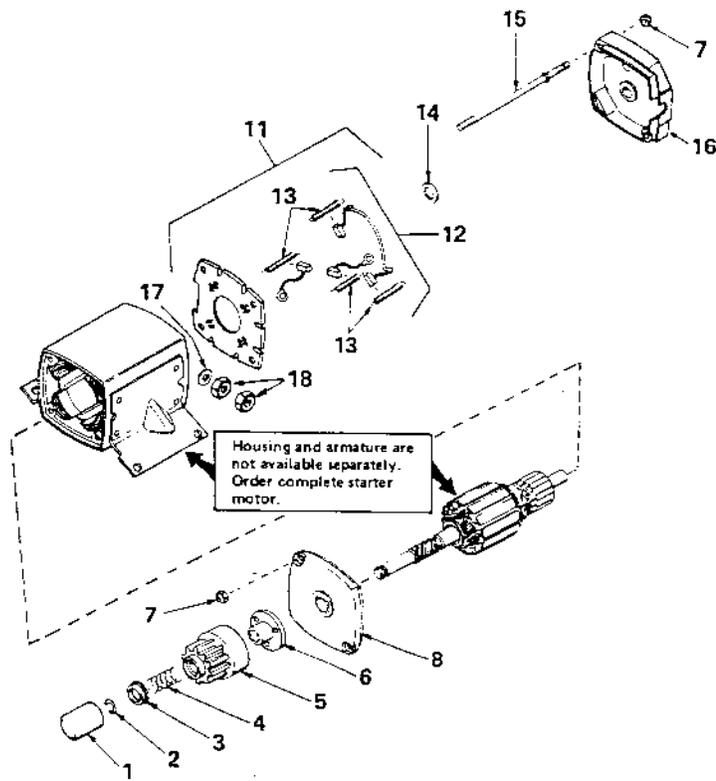


KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	632032	Carburetor	15	27106	*Shaft, Float
	631681	Shaft & Lever Assy., Throttle (Inc. Key No. 2)	17	29170	Bowl, Fuel
2	30357	Screw, Rd. Hd., 6 - 32 x 3/16 (Early Prod.)	20	27110	*Gasket, Bowl - to - body
2	650506	Screw, Pan Hd., No. 4-40 x 3/16 (Late Prod.)	21	631764	*Needle Assy., Power adjusting (Incl. Nos. 20, 22 & 24)
3	631682	Shutter, Throttle	22	630786	Spring, Adjusting needle
4	631683	Shaft & Lever Assy., Choke (Inc. Key No. 2)	23	631942	Nozzle, Main
5	27113	Spring, Choke Stop	24	27544	"O" Ring
6	650399	Screw, Throttle Adjusting	25	632039	Seal, Throttle shaft dust
7	27112	*Needle, Idle Adjusting	26	632040	Seal, Choke shaft dust
8	27114	Spring, Adjusting	27	32096	Spring, Throttle return
9	632017	Spring, Float Shaft	28	632033	Repair Kit (Incl. items marked*)
10	631684	Shutter, Choke			
11	27109	*Gasket, Bowl-to-Body			
13	632024	*Valve, Seat & Spring Assy. (Inc. Key No. 9)			
14	27105	Float			

# REPAIR PARTS

VARIDRIVE GT/14--MODEL NUMBER 917.257030  
 CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012

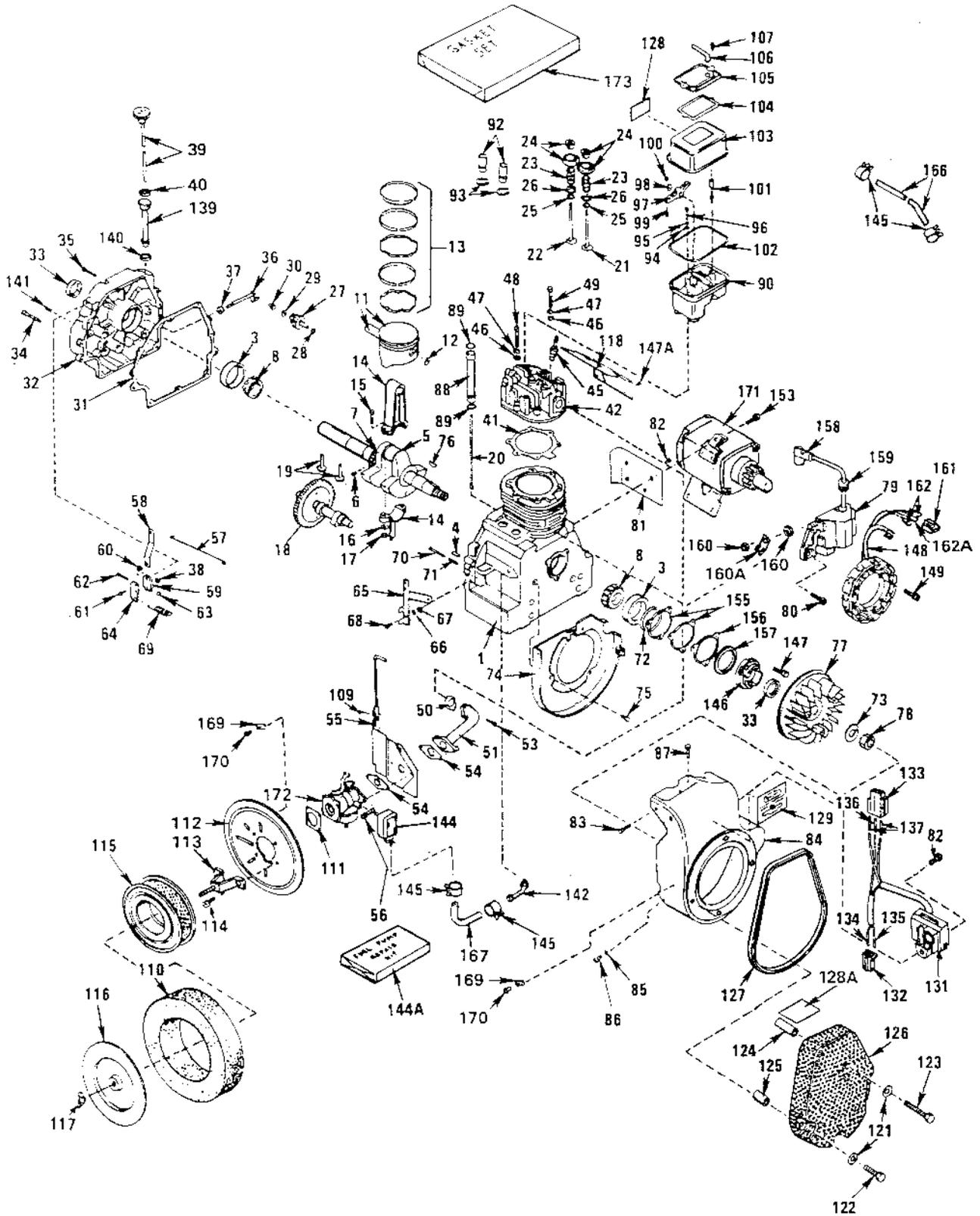
STARTER MOTOR NO. 33835



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

# REPAIR PARTS

VARIDRIVE GT/14--MODEL NUMBER 917.257030  
CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012



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# REPAIR PARTS

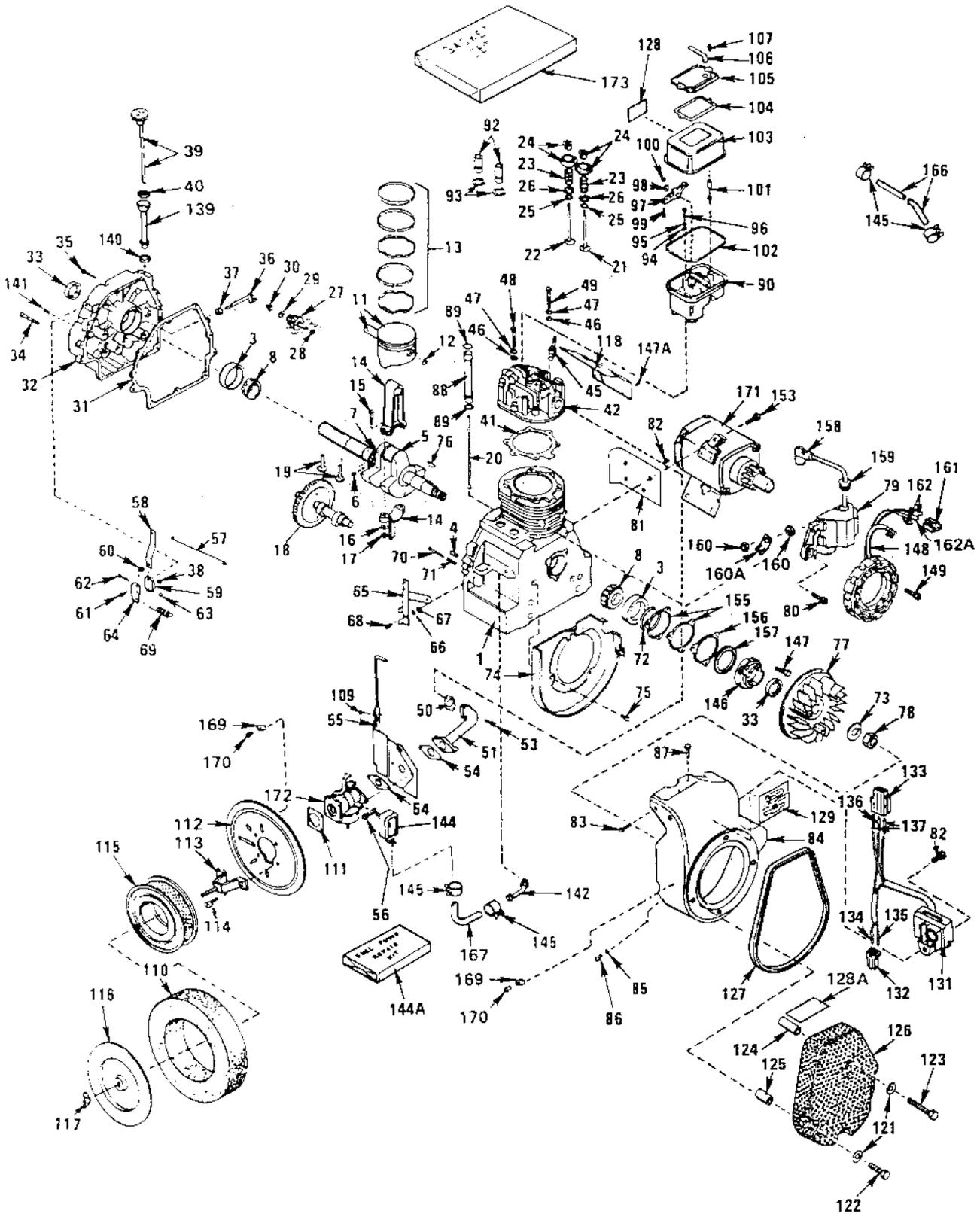
VARIDRIVE GT/14--MODEL NUMBER 917.257030  
CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	33823	Cylinder Assy. (Incl. Nos. 4, 33 & 141)	49	650746	Screw, Hex Hd. 5/16 - 18 x 1 - 3/8
3	31928	Cup, Bearing	50	33515	*Gasket, Intake Pipe
4	27652	Pin, Dowel	51	33475	Pipe, Intake
5	33397	Crankshaft Assy. (Incl. Nos. 3, 6, 7 & 8)	53	792028	Screw, Hex Hd. Sems, 5/16 - 18 x 7/8
6	29783	Pin, Crankshaft Gear	54	33476	*Gasket, Carburetor
7	31931	Gear, Crankshaft	55	33477A	Baffle, Air extension
8	31932	Bearing, Tapered Roller	56	650378	Screw, Fil. Hd. Sems, 5/16 - 18 x 1 - 1/8
11	32001A	Piston & Pin Assy. (Incl. No. 12) (Std.)	57	33478	Link, Governor
11	32002	Piston & Pin Assy. (Incl. No. 12) (.010 Oversize)	58	31963	Lever, Governor Adjusting
11	32003	Piston & Pin Assy. (Incl. No. 12) (.020 Oversize)	59	31964	Clamp, Governor Lever
11	32619	Piston & Pin Assy. (Incl. No. 12) (.030 Oversize)	60	650518	Lockwasher No. 10 E.T.
11	32620	Piston & Pin Assy. (Incl. No. 12) (.040 Oversize)	61	30312	Screw, Hex Washer Hd., 10 - 32 x 1/2
12	31919	Ring, Piston Pin Retaining	62	650544	Screw, Pan Flex Hd., 10 - 24 x 7/8
13	32004	Ring Set, Piston (Std.)	63	7975	Nut, Square, 10 - 24
13	32005	Ring Set, Piston (.010 Oversize)	64	31965	Plate, Governor Spring
13	32006	Ring Set, Piston (.020 Oversize)	65	31984A	Lever Assy., Control
13	32623	Ring Set, Piston (.030 Oversize)	66	28558	Washer, Wave
13	32624	Ring Set, Piston (.040 Oversize)	67	31966	Bushing, Governor Lever
14	33093A	Rod Assy. Connecting (Incl. Nos. 15, 16 & 17)	68	650597	Screw, Hex Washer Hd., 10 - 24 x 5/8
15	32077	Bolt, Connecting Rod	69	31967	Spring, Governor
16	26073	Washer, Connecting Rod	70	650591	Screw, Fil. Hd. 10 - 24 x 2
17	28264	Nut, Lock	71	33099	Spring, Locking
18	33470	Camshaft (Mech. Compression Release)	72	32599	*"O" Ring
19	33472	Lifter, Valve	73	650666	Washer, Lock
20	33471	Rod, Push	74	32579	Baffle, Blower Housing
21	33505	Valve, Intake (Std.)	75	650561	Screw, Hex Hd. Sems, 1/4 - 20 x 5/8
21	33645	Valve, Intake (1/32" Oversize)	76	650592	Key, Flywheel
22	33506	Valve, Exhaust (Std.)	77	610909	Flywheel
22	33646	Valve, Exhaust (1/32" Oversize)	78	650594	Nut, Flywheel
23	33507	Spring, Valve	79	610906	Magneto, Solid State (Incl. Nos. 158, thru 160A)
24	33508	Retainer & Cap Set, Keeper Valve	80	650661	Screw, Fil. Hd. w/Conical Spring Lockwasher, 1/4 - 20 x 3/4
25	33509	"O" Ring	81	33479	Extension, Blower housing
26	33510	Cap, Valve	82	30688	Screw, Hex Hd., Sems, 1/4 - 20 x 1/2
27	33473	Gear & Shaft Assy., Governor	83	650751	Screw, Hex Hd. w/Conical Spring Washer, 1/4 - 20 x 7/16
28	650745	Washer, Flat	84	33775A	Housing, Blower
29	30590A	Washer, Flat	85	8274	Lockwasher, Split, 5/16
30	31948	Spool, Governor	86	650595	Screw, Hex Hd., 5/16 - 24 x 3/8
31	31956	*Gasket, Cylinder Cover	87	650752	Screw, Hex Hd. Sems, 1/4 - 20 x 7/16
32	32685	Cover Assy., Cylinder (Incl. No. 33, 36, 37, 38, 140 & 141)	88	33480	Tube, Push Rod
33	31950	Seal, Oil	89	33481	*"O" Ring
34	30564	Screw, Hex Hd. Sems, 1/4 - 20 x 1	90	33482	Housing, Rocker Arm
35	650588	Screw, Hex Hd. Sems, 1/4 - 20 x 2	92	730195	Valve Guide Kit (Incl. No. 93)
36	32425	Rod Assy., Governor	93	34315	Ring, Retaining
37	32426	Spacer, Governor Rod	94	33484	*"O" Ring
38	29193	Ring, Retaining	95	650168	Washer, Flat
39	33764	Dipstick, Oil Fill (Incl. No. 40)	96	32610A	Screw, Flanged Hex Hd., 1/4 - 20 x 29/32
40	29985	"O" Ring	97	33485	Arm, Rocker
41	33474	Gasket, Cylinder Head	98	33486	Ring, Retaining
42	33763	Head, Cylinder (Incl. No. 92)	99	650755	Screw, Adjusting
45	33657	Plug, Spark (Champion L-85 or equivalent) Except for Canada	100	650456	Nut, Hex
45	34046	Resistor Spark Plug (Canadian Regulations require RL-85 resistor spark plug)	101	650756	Stud, Rocker Arm Cover
46	650691	Washer, Flat	102	33487	*"O" Ring
47	650690	Washer, Belleville	103	33488	Cover, Rocker Arm
48	650692	Screw, Hex Hd. 5/16 - 18 x 1 - 3/4	104	31958	*Gasket, Breather
			105	33489	Body Assy., Breather
			106	33490	Tube, Breather

\*INDICATES PARTS INCLUDED IN GASKET SET, KEY NO. 173.

# REPAIR PARTS

VARIDRIVE GT/14--MODEL NUMBER 917.257030  
CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012



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# REPAIR PARTS

VARIDRIVE GT/14--MODEL NUMBER 917.257030  
CRAFTSMAN 4 CYCLE ENGINE--MODEL NUMBER 143.680012

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
107	30102	Screw, Hex Washer Hd. Sems, w/Mastic Washer 10 - 32 x 5/8	142	32958	Fitting, Fuel Pump
109	650738	Screw, Hex Washer Hd. Spinlock Thr'd. Cutting 1/4 - 20 x 5/8	144	32959	Pump, Impulse Fuel
110	32906	Filter, Pre-Air	144A	33010	Repair Kit, Impulse Fuel Pump
111	33492	Gasket, Air Cleaner	145	26460	Clamp, Fuel Line
112	33777	Bracket, Air Cleaner	146	32577	Cover, Cylinder (See Note 1)
113	33778	Bracket, Air Cleaner	147	792028	Screw, Hex Hd. Sems, 5/16 - 18 x 7/8
114	650399	Screw, Fil. Hd. Sems, 10 - 32 x 5/8	147A	650736	Screw, Pan Hd., 10 - 16 x 3/8
115	32008	Element, Air Cleaner	148	610902	Coil Assy., Alternator (Incl. Nos. 161, 162 & 162A)
116	32904	Cover, Air Cleaner	149	650521	Screw, Fil. Hd., Sems, 10 - 32 x 1 - 1/8
117	650513	Nut, Wing	153	650781	Screw, Hex Hd., Sems, 5/16 - 18 x 11/16
118	33495	Cover, Cylinder Head	155	31971	*Gasket, Shim (.004/.005 Thick, see note 1)
121	27070	Washer, Lock	156	31972	*Gasket, Shim (.005/.007 thick, see note 1)
122	650808	Screw, Truss Hd., 1/4 - 28 x 1 - 3/4	157	32031	Spacer, Steel (.010 thick, see note 1)
123	650809	Screw, Truss Hd. 1/4 - 28 x 2 - 9/16	158	610118	Cover, Spark Plug
124	34378	Spacer, Screen	159	610750	Grommet, Lead Wire
125	34379	Spacer, Screen	160	610408	Nut, Hex, 8 - 32
126	34376	Screen Assy., Blower Housing (Incl. No. 127)	160A	610908	Terminal
127	34377	Seal, Guard	161	610903	Connector, Pyramid
128	34374	Decal, Instruction	162	610905	Terminal
128A	34387	Decal, Instruction	162A	610904	Terminal
129	32730	Decal	166	30962	Line, Fuel
131	610988	Regulator, Rectifier (Incl. Nos. 132 thru 137)	167	34357	Line, Fuel
132	610921	Connector	169	27793	Clip, Conduit
133	610990	Connector	170	28942	Screw, Hex Hd. Sems, 10 - 32 x 3/8
134	610922	Terminal	171	33835	Motor, Starter (12 Volt) (Incl No. 153)
135	610989	Terminal	172	632032	Carburetor (Incl No. 54)
136	610992	Terminal	173	33516A	Gasket Set (Incl. items marked *)
137	610991	Terminal			
139	33468	Tube Assy., Oil Filler			
140	29673	*Gasket, Oil Fill Tube			
141	31927	Plug, Pipe (3/8 - 18 Sq. Hd.)			

\*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.

# Sears

**MODEL NO.  
917.257030**

## **HOW TO ORDER REPAIR PARTS**

### **MODEL NUMBER**

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

### **REPAIR PARTS**

All parts listed herein may be ordered from any SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED retail or catalog store.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- THE PART NUMBER
- THE PART DESCRIPTION
- THE MODEL NUMBER
- THE NAME OF MERCHANDISE

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".



### **SEARS SERVICE**

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

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