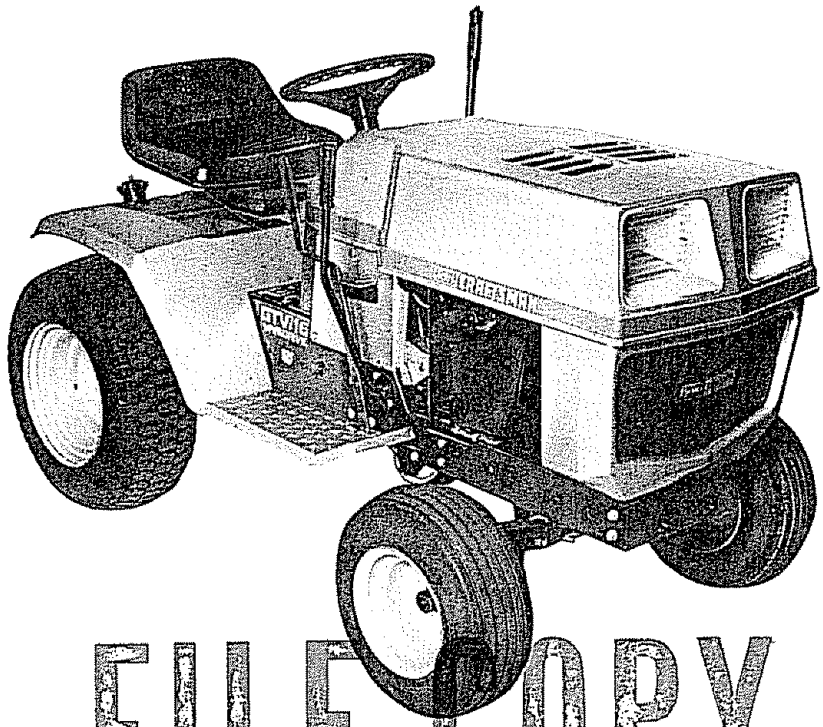
Sears

OWNERS MANUAL

MODEL NO.
917.253724

Caution:
Read Rules for
Safe Operation
and Instructions
Carefully



GTV 16 TWIN
VARIDRIVE

GARDEN TRACTOR

Assembly
Installation
Operation
Repair Parts

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

CONGRATULATIONS on your purchase of a Sears Varidrive GTV 16 H.P. 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".

MODEL NUMBER _____

SERIAL NUMBER _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE TOP RIGHT SIDE OF DRAWBAR (REFER TO PAGE 16).

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

YOUR NEW GTV 16 GARDEN TRACTOR FEATURES . . .

CRAFTSMAN 16 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.

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

ALL GEAR TRANSMISSION--three speeds forward, plus reverse to let you select the proper match for the terrain and the job. Automotive-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 and Parking Brake Lever--conveniently grouped for ease of use.

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

MANUAL OR ELECTRIC LIFT.

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

SELF POWERED ROTO TILLER prepares soil for new lawns and gardens with a 30 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.

42 INCH SNOW BLOWER handles wet, heavy powdery snow with ease.

REAR GRADER AND LEVELER BLADE levels new yards, grading lanes, drive ways and parking areas.

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

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RULES FOR SAFE OPERATION

1. Know the controls and how to stop quickly. READ THE OWNER'S MANUAL.
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction or without having read the owners manual.
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 the 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 return speed control lever to 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, returning drive control lever to neutral, 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. While going up or down slopes choose 1st gear to negotiate the slope without stopping. To reduce speed, move Varidrive Control Lever rearward to slower position.
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 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 the 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. Do not clean product while engine is running.
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; severe damage or injury may result.
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 the entire grass catcher, on mowers so equipped, or the deflector shield in place.
38. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.

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

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 Authorized Service Center for spark arrester muffler part number 674A380.

CAUTION: DO NOT OPERATE VARIDRIVE CONTROL (FIG. 11) UNLESS ENGINE IS RUNNING. DAMAGE MAY OCCUR TO VARIDRIVE SYSTEM.

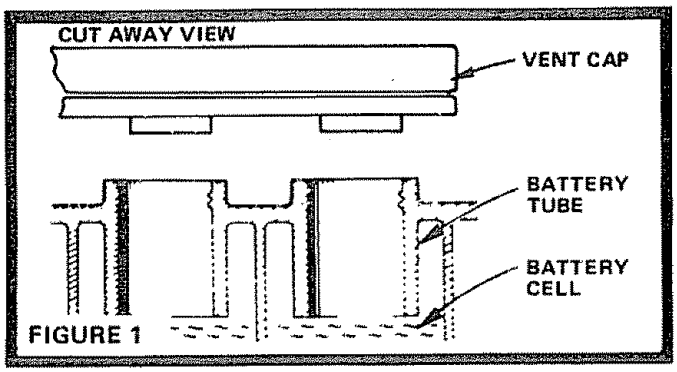


FIGURE 1

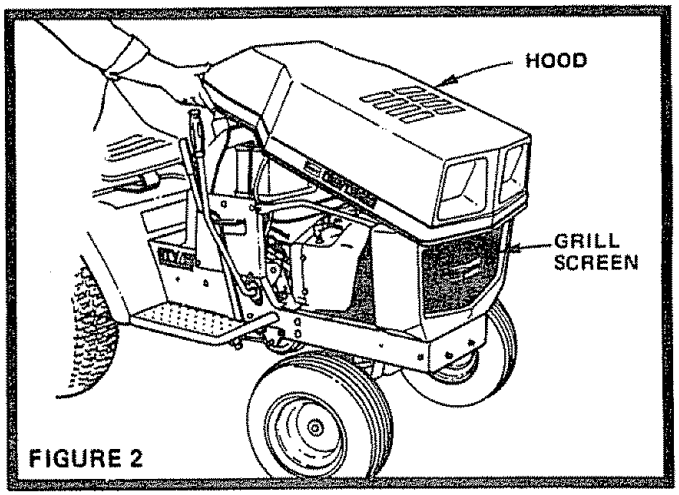


FIGURE 2

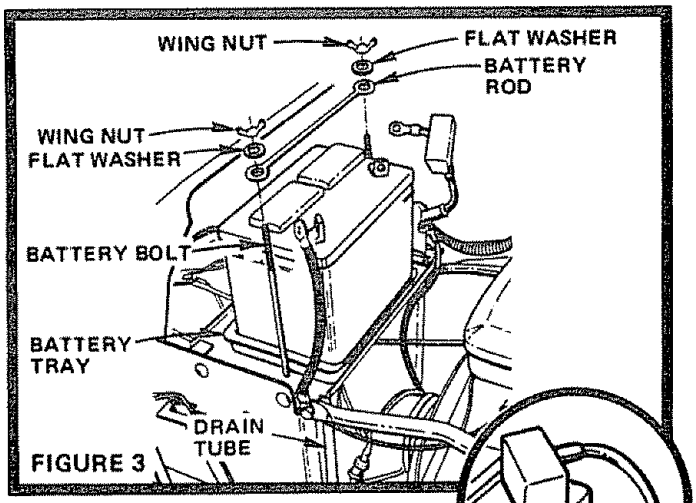


FIGURE 3

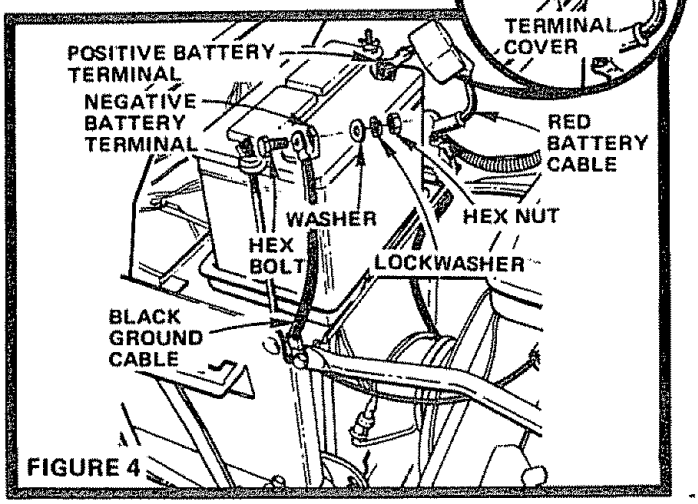


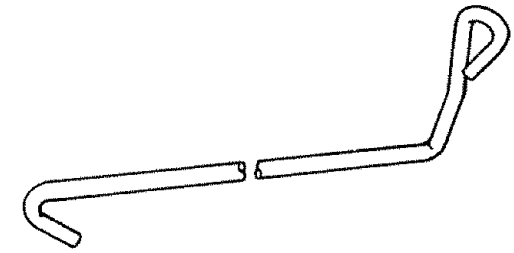
FIGURE 4

To assemble and adjust your Tractor you will need: one 3/4" socket, two 7/16" wrenches and one 11/16" wrench

NOTE: RIGHT HAND (R.H.) AND LEFT HAND (L.H.) ARE DETERMINED FROM OPERATOR'S POSITION WHILE SEATED ON TRACTOR.

ASSEMBLY

1. Remove Shipping Strap Banding, Bundling Wires, Battery, Steering Wheel and Bag of Parts. Also there is a Hold Down Rod (shown below) holding front end of tractor to wood crate. Remove Lag Screw from Hold Down Rod and wood crate. Discard Rod and Screw.



2. Fill and charge Battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.

WEAR EYE AND FACE SHIELD.

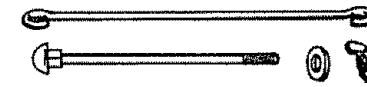
   a. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.

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

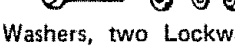
   b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: TIGHTEN VENT CAPS SECURELY.
   c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.

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:



Battery Rod, two Wing Nuts, two Flat Washers, two Battery Bolts,



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

   a. Lift Hood from rear sides (Fig. 2).
   b. Remove tape from Plastic Tray. Make sure Drain Tube (Fig. 3) is fastened to Drain Hole in Battery Tray and Battery Tray is positioned in 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. Insert Battery Bolt into square hole on the left side of Battery Support (Fig. 3). Fasten Battery Rod to Battery Bolt with a Flat Washer and Wing Nut.

e. Insert remaining Battery Bolt into square hole in R.H. side of Battery Support and fasten Battery Rod with a Flat Washer and Wing Nut (Fig. 3). Tighten Wing Nuts securely.

f. Position Terminal Cover over RED Battery Cable (Fig. 4).

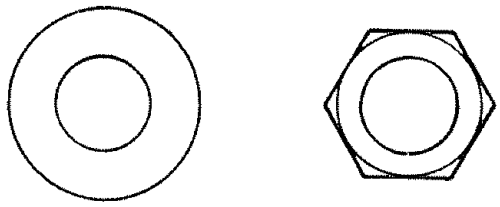
g. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Form Cable in an upward position (Fig. 4) and tighten securely. Place Terminal Cover over Terminal. NOTE: PULL TERMINAL COVER FORWARD TO ENCLOSE BATTERY TERMINAL (FIG. 4 - INSET).

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

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

4. Close Hood.

5. Install Steering Wheel using Flat Washer, Hex Jam Nut (shown full size below) and



Steering Wheel Insert found in Bag of Parts.

a. Secure the Steering Wheel to Steering Shaft with Washer and Hex Jam Nut (Fig. 5). Tighten securely.

b. Install the Steering Wheel Insert.

NOTE: A SPARK ARRESTOR MUFFLER (PAGE 1) IS AVAILABLE AS AN ACCESSORY PART FOR YOUR TRACTOR. CHECK LEGAL REQUIREMENTS IN YOUR AREA.

INITIAL ADJUSTMENTS

1. Reduce Tire pressure to 14 pounds in front and 10 pounds in rear Tires. (Tires were overinflated for shipping purposes).

2. Seat position may be adjusted forward or backward by loosening Bolt in Seat Plate (Fig. 6). NOTE: WHEN RETIGHTENING BOLT 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.

1. Check Engine Oil Level with Tractor on level ground. Wipe dipstick (Fig. 7) clean, push it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. In summer use S.A.E. 30 (SC, SD, SE or SF) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD, SE or SF). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD, SE or SF). DO NOT USE 10W40 OIL. NOTE: DO NOT OVERFILL.

2. Fill Fuel Tank (Fig. 6) with fresh, clean regular grade leaded or low-lead automotive gasoline only. Capacity is 3 - 1/2 gallons. NOTE: DO NOT SWITCH FROM LEADED TO LEAD-FREE GASOLINE.

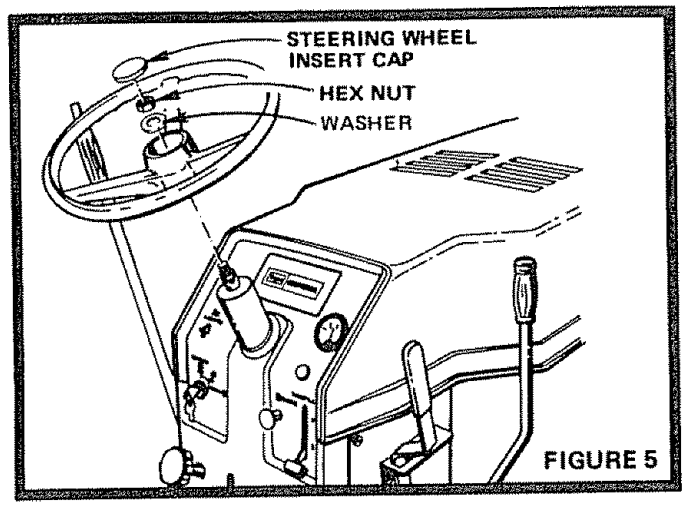


FIGURE 5

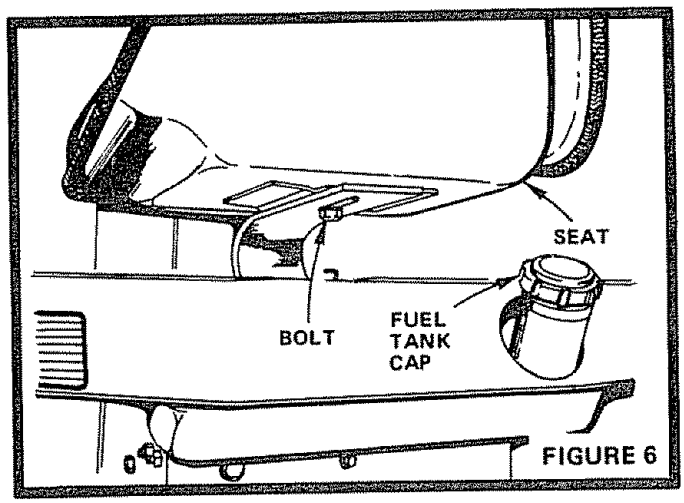


FIGURE 6

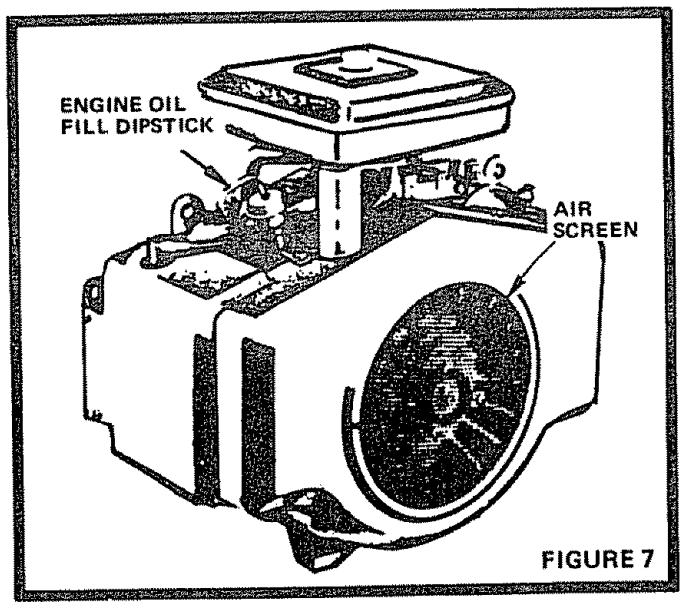
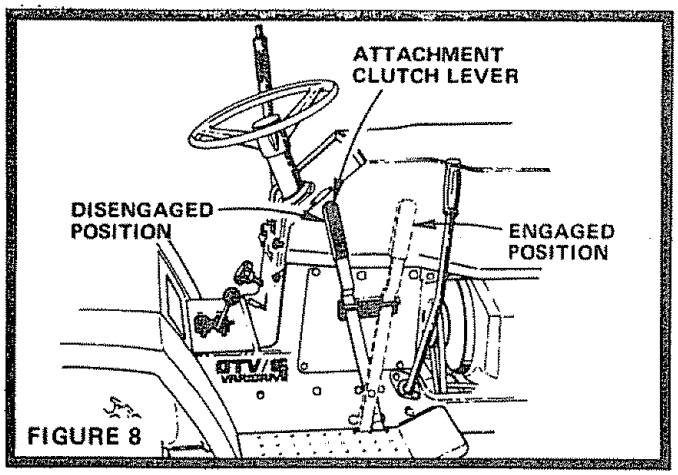


FIGURE 7

WARNING: Do not use Gasohol. Gasohol type alcohols react with water content in the fuel and tend to form strong acids which can corrode metal parts, even eat rubber and plastics.

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



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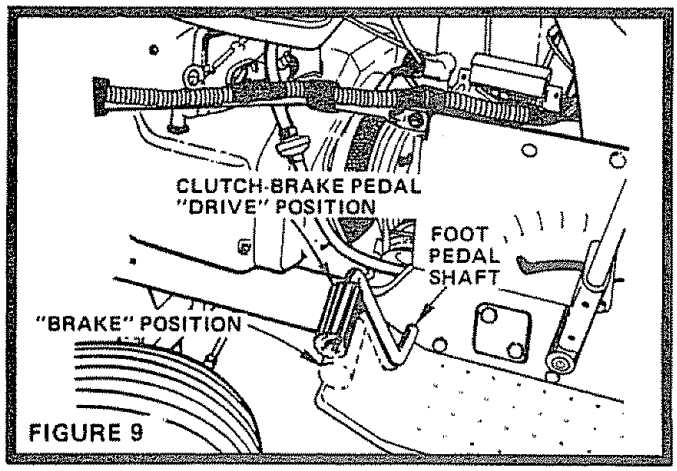


FIGURE 9

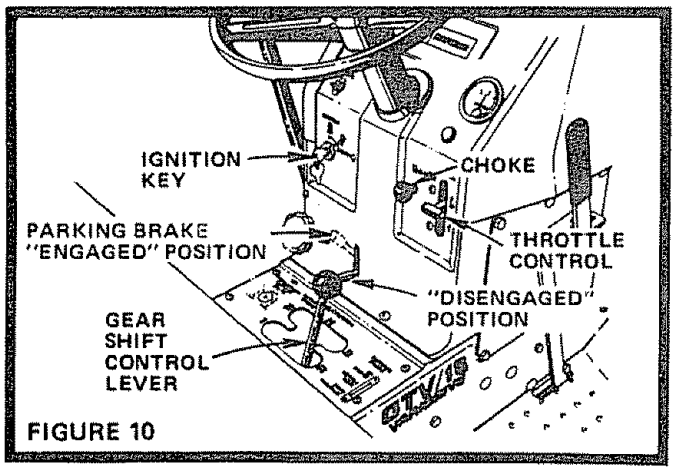


FIGURE 10

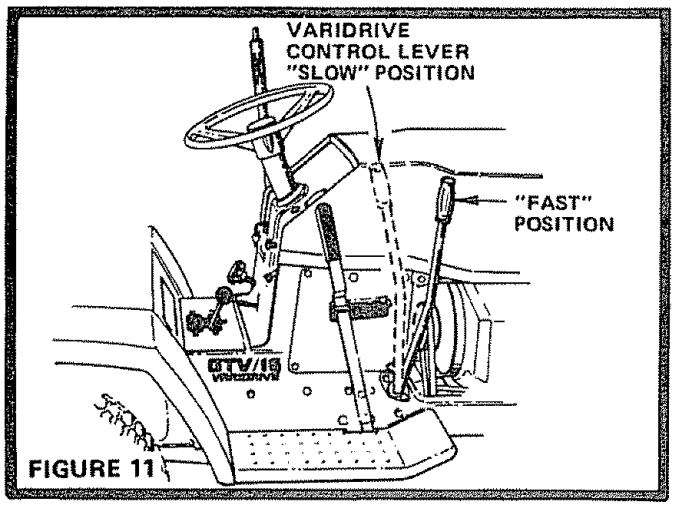


FIGURE 11

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 Lever.
   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 INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH LEVER IS IN THE ENGAGED POSITION (FIG. 8) AND THE CLUTCH BRAKE PEDAL IS IN DRIVE POSITION (FIG. 9).

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 Lever in "DISENGAGED" position (Fig. 8).
2. Push Clutch-Brake Pedal fully into brake position (Fig. 9).
3. Place Parking Brake Lever in "ENGAGED" position (Fig. 10).
4. Place Gear Shift Control Lever in "NEUTRAL", start position (Fig. 8).
5. Pull Choke out (Fig. 10).
6. Move Throttle Control to middle position (Fig. 10).
7. Turn Ignition Key to "START" position until Engine starts (Fig. 10). 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.

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 disengage Parking Brake and hold Clutch-Brake Pedal in Brake position (Fig. 9).
3. Move Gear Shift Control Lever to desired gear (Fig. 10).
4. Release Clutch-Brake Pedal SLOWLY to start forward or rearward movement
5. Move Varidrive Control Lever to desired speed (Fig. 11). 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.

DO NOT OPERATE VARIDRIVE CONTROL UNLESS ENGINE IS RUNNING. DAMAGE MAY OCCUR TO VARIDRIVE SYSTEM.

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.

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

ATTACHMENT LIFT ADJUSTMENT

Due to different weights of Attachments, the Attachment Lift Spring may require adjustment. The Adjustment Bolt is located on rear of tractor top left side (Fig. 12).

1. Holding Spring Bushing with Wrench, loosen Jam Nut.
2. Turn Adjustment Bolt clockwise (↻) to extend Spring and reduce lift effort (for heavier Attachments).
3. Turn Adjustment Bolt counterclockwise (↺) (for lighter Attachments).
4. Retighten Jam Nut against Spring Bushing.

DO NOT ADJUST FOR MAXIMUM SPRING EXTENSION WHEN USING LIGHT ATTACHMENTS, SUCH AS MOWER.

ADJUST LIFT SPRING TO AID IN LIFTING ATTACHMENT, DON'T OVER POWER SPRING.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.

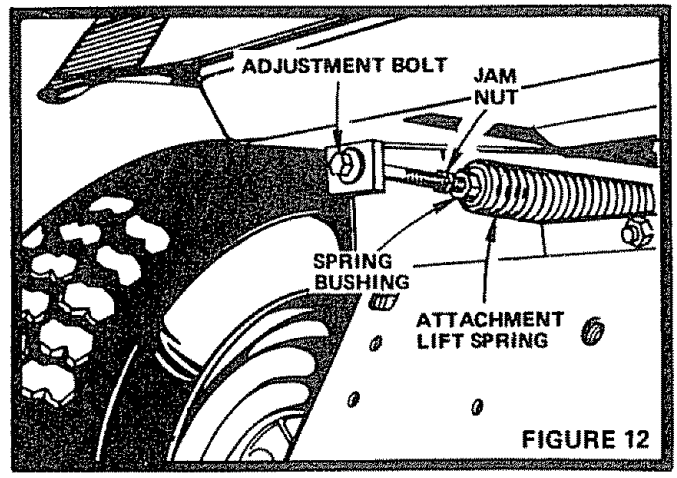


FIGURE 12

2. Move Shift Control Lever to "NEUTRAL" position.
3. Place Parking Brake in "ENGAGED" position.

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

4. Place Attachment Clutch Lever in "DISENGAGED" position and lower attachment to the ground.
5. Move Throttle Control to "SLOW" position.
6. Move Varidrive Control Lever to "SLOW" position.
7. 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

TOWING IS NOT RECOMMENDED. Internal transaxle damage can result.

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 Varidrive 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 1st gear 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 Varidrive Control Lever to desired speed.
3. Make all turns gradually

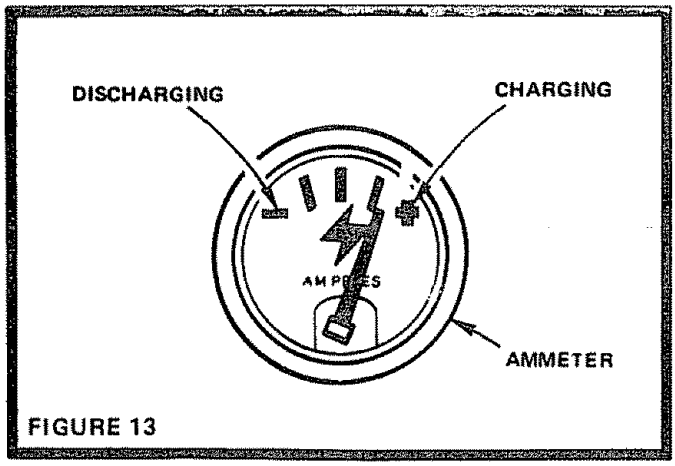


FIGURE 13

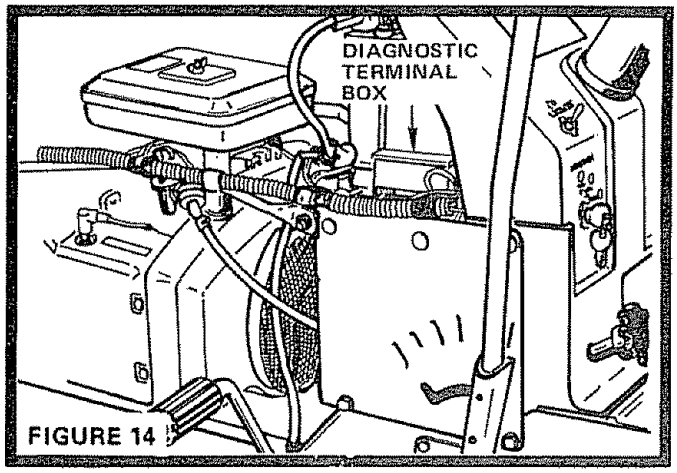


FIGURE 14

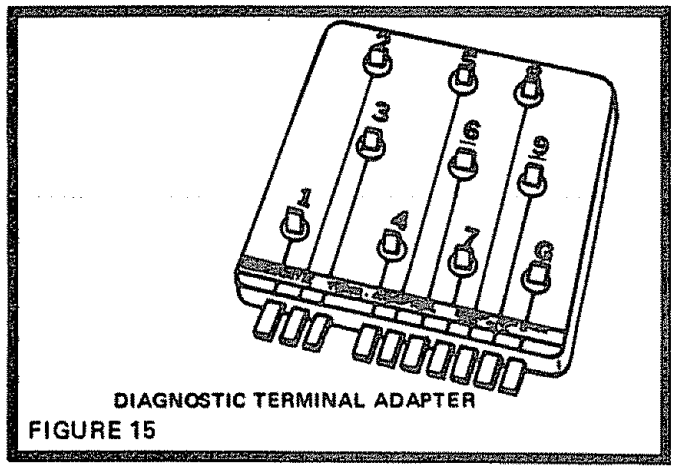


FIGURE 15

STARTING YOUR TRACTOR WITH A LOW BATTERY

If your Battery is too low to start the engine, it should be recharged. If "Jumper Cables" are used for emergency starting follow this procedure: NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM.

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

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

DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

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. 13). 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 OR REPAIR (EXCEPT CARBURETOR).

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins are secure. Observe all safety precautions. Keep Tractor well lubricated (refer to page 8).

ELECTRICAL MAINTENANCE

DIAGNOSTIC TERMINAL BOX

Your Tractor is equipped with a Tractor Diagnostic Terminal Box which is used to simplify electrical system diagnosis. The location of the Diagnostic Terminal Box is shown in Fig. 14. The Diagnostic Terminal Box provides access to a number of test points within the electrical system of the tractor.

WHEN USING THE DIAGNOSTIC TERMINAL BOX - ENGINE TO BE STOPPED AND IGNITION OFF.

USE PROPER EQUIPMENT IN THE CHECKING OF ELECTRICAL SYSTEM THROUGH THE DIAGNOSTIC TERMINAL BOX.

The Diagnostic Terminal Box is designed to accept the Diagnostic Terminal Adapter (optional) (Fig. 15), which is available from Sears (Part No. 677A823). If you order the Adapter, also order the Test Procedure Manual (Manual No. 8441J), showing diagnostic procedures and components of electrical circuits.

To perform the testing with the Diagnostic Terminal Box, a quality multimeter or automotive analyzer is required.

FIRST 2 HOURS

1. CHECK BELT ADJUSTMENT

New Belts may stretch after the first few hours of operation resulting in loss of power.

a. With engine running, transmission in neutral, place Varidrive Control Lever in "FAST" position (Fig. 11) and check if Secondary Belt (Fig. 16 - Inset) rides flush with outside of Variator Sheave. (DO NOT PUSH DOWN ON CLUTCH PEDAL).

b. If Secondary Belt is riding down in groove of Variator Sheave adjustment is required.

2. V-BELT ADJUSTMENT

a. With engine running, Transmission in "NEUTRAL" position, move Varidrive Control Lever to full "FAST" position (Fig. 11).

b. Shut engine off and loosen Adjustment Nut on Bolt "A" for Variator Stop Plate (Fig. 16).

c. Start engine and run at Idle Speed.

d. Slowly move Varidrive Control Lever (Fig. 11) forward or backward until Secondary Belt is riding flush to 1/16" outside of Variator Sheave (Fig. 16 - Inset). NOTE: DO NOT PUSH DOWN ON CLUTCH PEDAL.

e. Shut engine off holding Varidrive Control Lever in position as described in step d and tighten Adjustment Nut on Bolt "A" (Fig. 16).

f. Start engine and move Varidrive Control Lever to "SLOW" position (Fig. 11). Primary Belt should ride flush to 1/16" out of Variator Sheave (Fig. 16 - Inset).

g. Adjustment is complete when the Secondary Belt rides in the same position on the Variator Sheave in full "FAST" position, as the Primary Belt does in the "SLOW" position.

h. Re-adjust as needed thereafter.

i. If Belt cannot be adjusted as described in step g, replace V-Belts. Refer to "Belt Replacement", page 12.

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.

a. Drain Oil with Engine warm. Unscrew Oil Drain Plug (Fig. 18) and catch Oil in a suitable container. Replace Plug.

b. Refill Engine Oil (Fig. 17). In summer use S.A.E. 30 (SC, SD, SE or SF) Oil. In winter (below 32°F.) use S.A.E. 10W30 (SC, SD, SE or SF). In extreme cold (below 0°F.) use S.A.E. 5W20 (SC, SD, SE or SF). DO NOT USE 10W40 OIL. Refill capacity is 3 pints. NOTE: DO NOT OVERFILL.

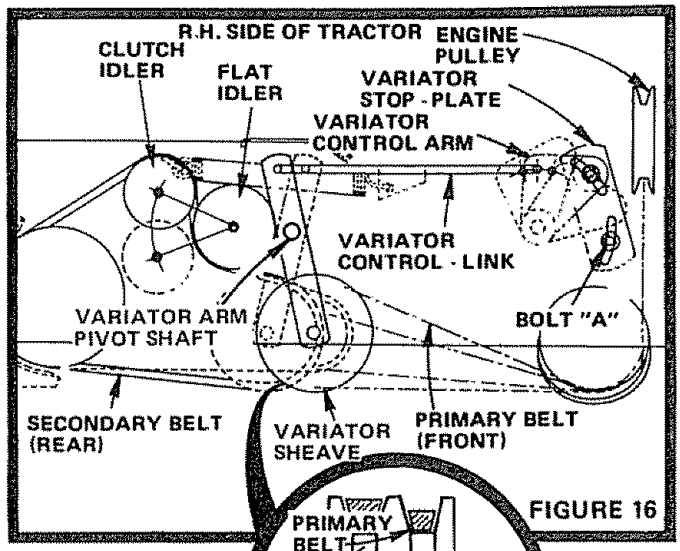


FIGURE 16

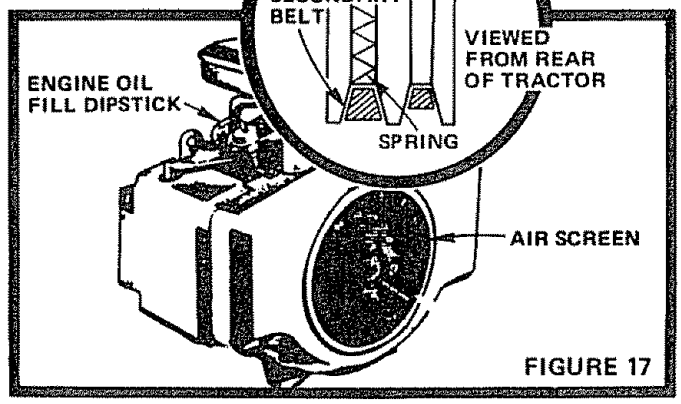


FIGURE 17

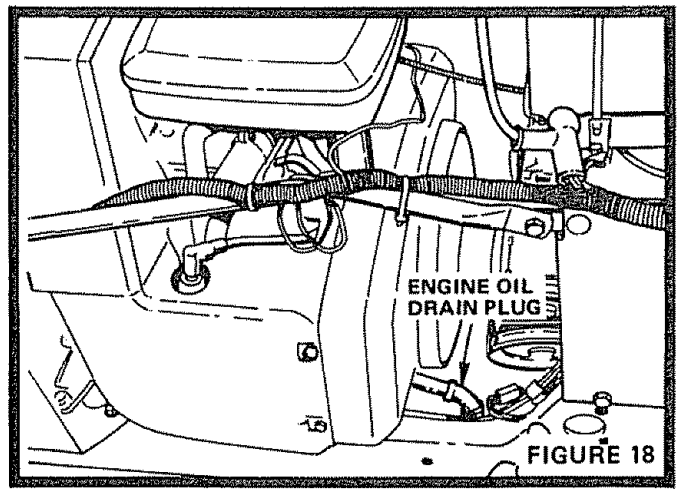


FIGURE 18

FREQUENTLY

1. CHECK BATTERY

a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 19). Add distilled water if necessary. NOTE: DO NOT OVERFILL.

b. Keep Battery and Terminals clean. Refer to page 12, step 6.

c. Keep Battery Bolts tight.

d. Keep Vent Caps tight and small vent holes in Caps open.

e. Recharge SLOWLY at 3 amperes if necessary.

2. CHECK TIRE PRESSURE

Tire pressure in front should be 14 pounds and rear Tires should be 10 pounds.

3. CLEAN AIR SCREEN

Air Screen (Fig. 17) must be kept free of dirt and chaff to prevent Engine damage from overheating.

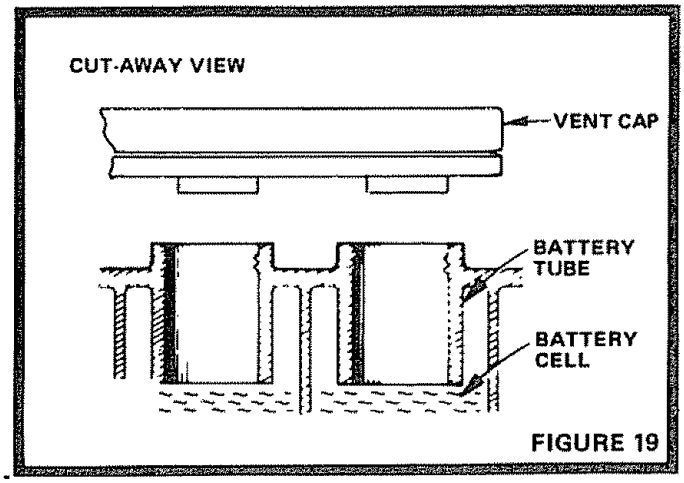


FIGURE 19

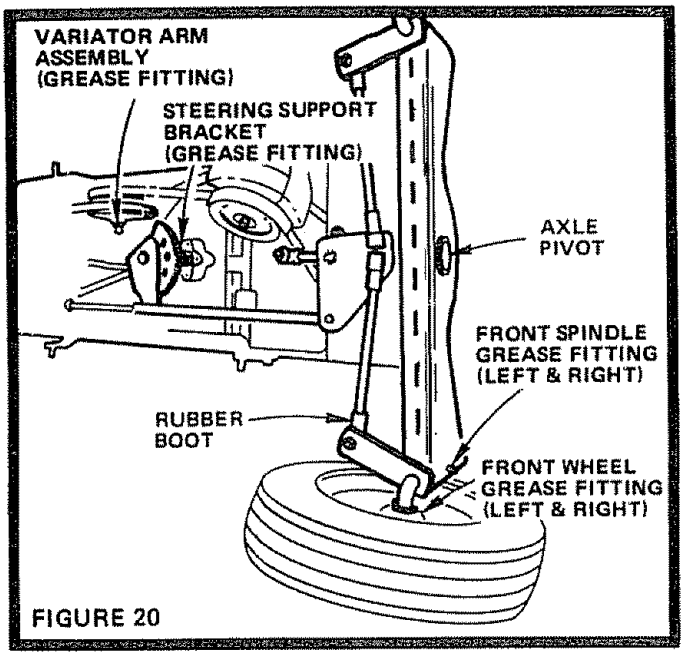


FIGURE 20

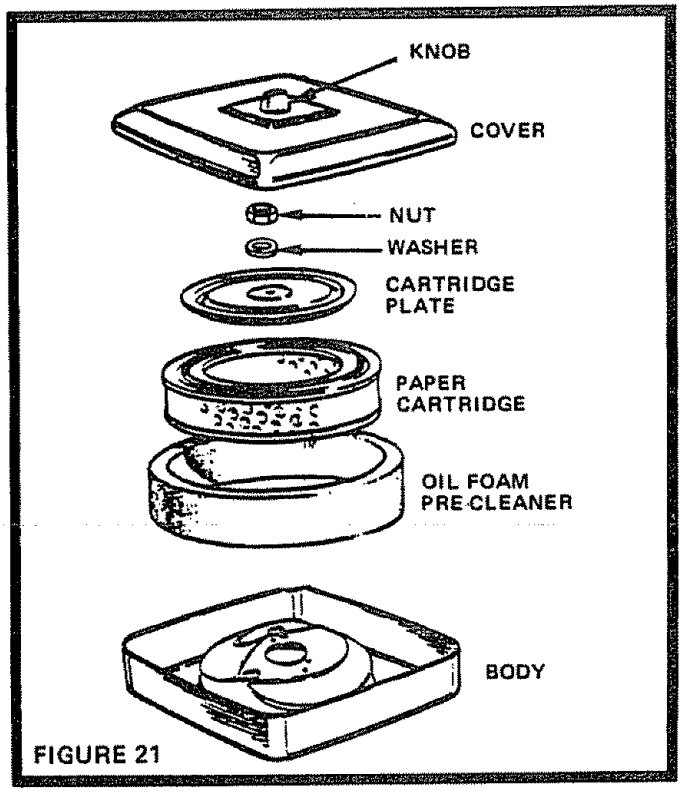


FIGURE 21

EVERY 5 HOURS

1. CHECK ENGINE OIL LEVEL

DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

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

EVERY 25 HOURS

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN FOAM PRE-CLEANER.

a. Unscrew Knob (Fig. 21) to remove Cover.
b. Remove Nut and Washer to remove Cartridge Plate, Paper Cartridge and Oil Foam Pre-Cleaner.
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, squeeze to distribute evenly, and squeeze out excess.
f. Check Paper Cartridge. Replace if excessively dirty.
g. Reassemble Paper Cartridge and re-position on Tractor.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

2. CLEAN AIR SCREEN

Air Screen (Fig. 22) must allow free-flow of air to prevent Engine damage from overheating. Clean with a wire brush, compressed air or water pressure to remove dirt, chaff, stubborn dried gum and fibers.

3. CHANGE ENGINE OIL

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

4. CLEAN FRONT GRILL SCREEN

The Front Grill Screen (Fig. 2) must allow free flow of air to prevent engine damage from overheating.

a. Remove Grill Screen by removing two screws.
b. Clean with a wire brush, compressed air or water pressure to remove dirt, chaff, stubborn dried gum and fibers.
c. Replace Grill Screen and secure screws.

5. LUBRICATE STEERING AND FRONT WHEELS

There are seven Grease Fittings on your Tractor (Fig's. 20 and 24). Using a Grease Gun, give each Grease Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 or equivalent (available through your Sears Service Center).

6. OIL PIVOT POINTS

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

a. Front Axle Pivot (Fig. 20).
b. Hood Hinges.
c. Foot Pedal Shaft (Fig. 9).
d. Lift Shaft (Fig. 33).
e. Polyfoam Seal at Variator Arm Assembly Pivot Shaft (saturate with oil), see page 18, Key No's. 46, 51 and 53.
f. Clutch Link and Varidrive Control Link, see page 18, Key No's. 47 and 49.
g Varidrive Handle Pivot Bushing (Fig. 33).

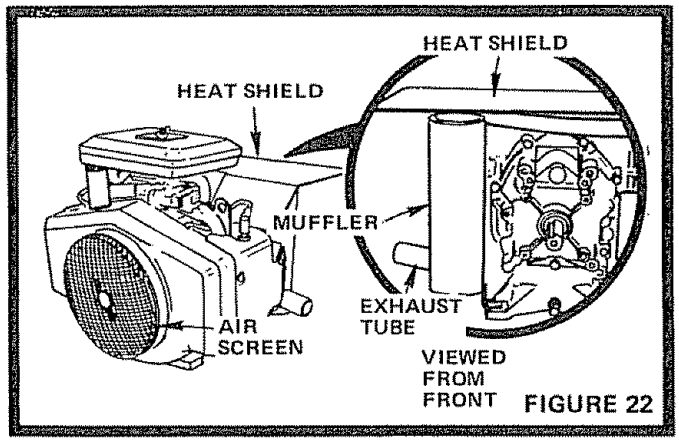


FIGURE 22

EVERY 50 HOURS

1. CLEAN ENGINE COOLING FINS

Remove any dust, dirt or oil from Engine Cooling Fins to prevent Engine damage from overheating (Fig. 23)

2. CHECK TRANSAXLE OIL LEVEL

a. Remove Filler Plug (Fig. 25) from Transaxle. Oil Level should be even with Filler Plug threads. Add S.A.E. 30 Motor Oil if necessary.
b. Check Pressure Relief Valve (Fig. 27 - Inset) located on R.H. side near top. It should spring completely closed when pulled out by hand and released.

3. LUBRICATE STEERING U-JOINT

a Lift Hood (Fig. 2).
b. Rotate Steering Wheel so that U-Joint Grease Fitting is exposed (Fig. 24).
c. Using a Grease Gun, give Fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 or equivalent (available at your Sears Service Center)

4. MUFFLER

Do not operate the tractor without a Muffler (Fig. 22) or tamper with the exhaust system. Damaged Mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

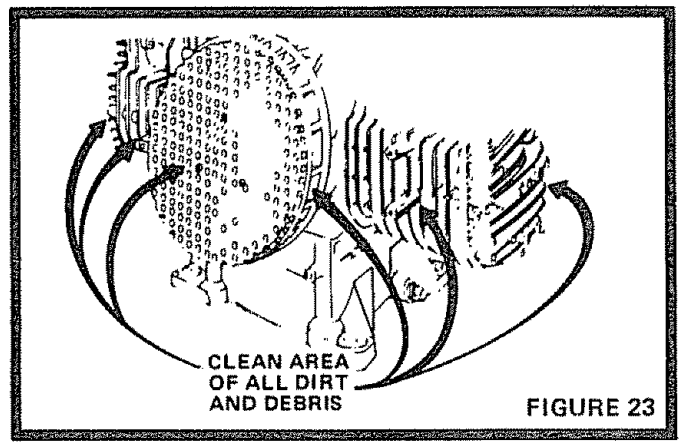


FIGURE 23

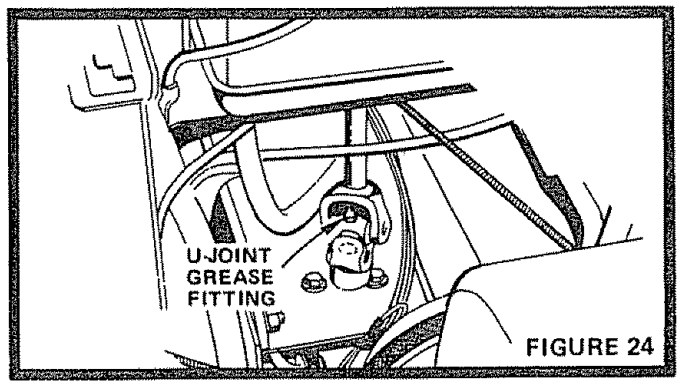


FIGURE 24

EVERY 100 HOURS

1. REPLACE SPARK PLUGS & RESET GAP

Replace Spark Plugs at the beginning of each season or every 100 hours, whichever comes first. Gap should be set at .030 inch (Fig. 26).

2. LUBRICATE BALL JOINTS

a. Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 20).
b. Coat Ball Joints with Silicone Spray Lubricant.
c. Reposition Rubber Boots.

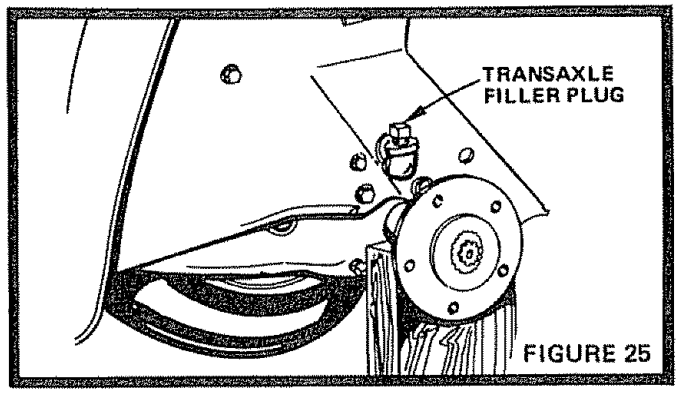


FIGURE 25

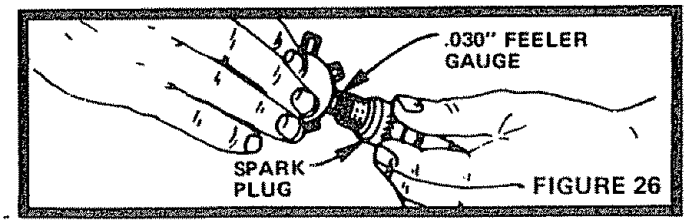


FIGURE 26

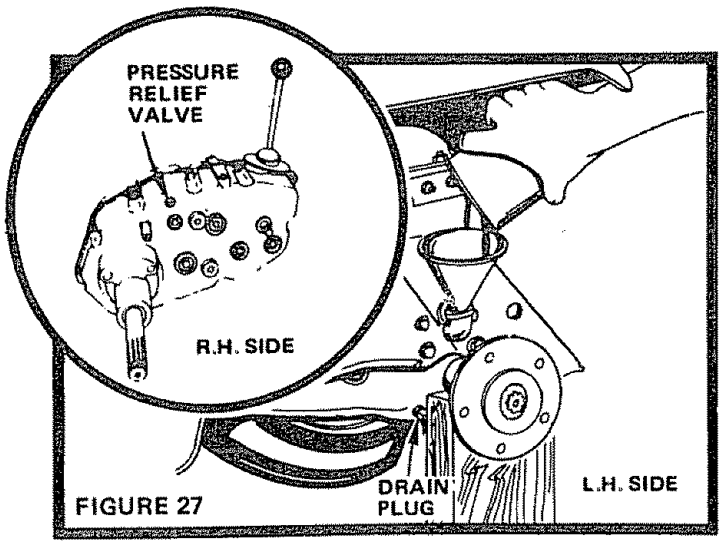


FIGURE 27

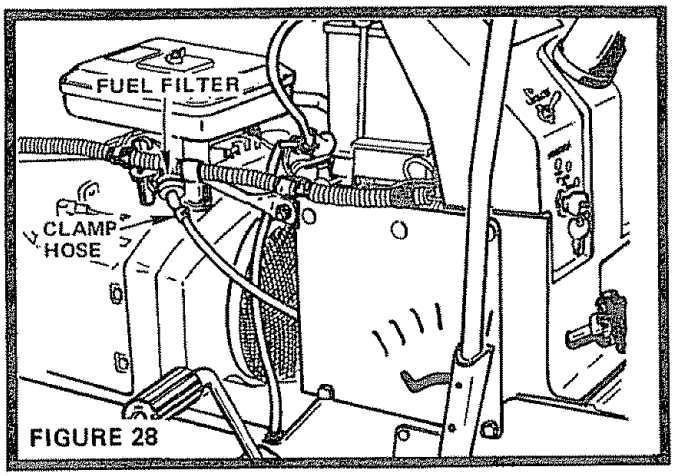


FIGURE 28

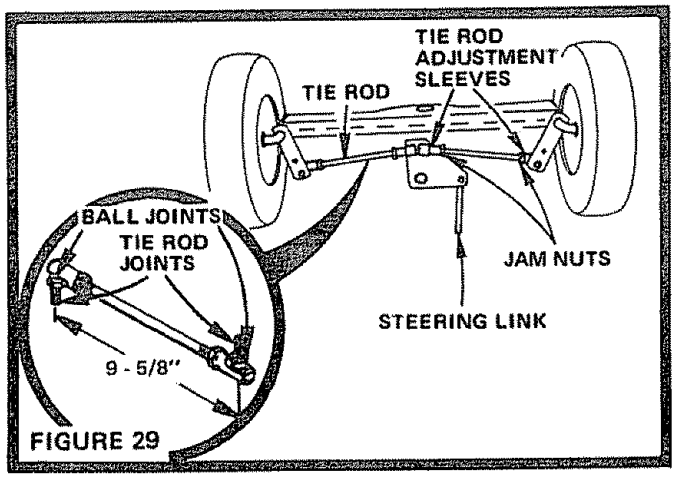


FIGURE 29

EVERY 200 HOURS

1. **REPLACE AIR CLEANER PAPER CARTRIDGE**
   Refer to page 8.
2. **REPLACE IN-LINE FUEL FILTER**
   If fuel filter is clogged, obstructing fuel flow to carburetor, replacement is required.
   a. With Engine cool, remove and plug Fuel Line Sections as removed from both ends of Fuel Filter (Fig. 28).
   b. 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.

EVERY 500 HOURS

1. **CHANGE TRANSAXLE OIL**
   a. Block up Rear Axle securely or use a Tractor Jack. Remove left Rear Wheel by removing Hub Bolts (Fig. 36).
   b. Drain Transaxle Oil by removing Drain Plug (Fig. 27) and catching Oil in suitable container. Replace Drain Plug.
   c. 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. 27 - Inset) may be held open to allow Transaxle to fill more quickly.
   d. Check Pressure Relief Valve. It should spring completely closed when pulled out by hand and released.
   e. Reposition wheel. Secure with Hub Bolts.

AS NEEDED

1. **TOE-IN ADJUSTMENT**
   If any parts in Front Axle or Steering Mechanism are being replaced, Tie Rod adjustment is required.
   a. Loosen Jam Nuts (Fig. 29) at each end of Tie Rod Adjustment Sleeves.
   b. Adjust both Tie Rods so that Tie Rod Joints measure 9 - 5/8" from center to center.
   c. On front of front tires measure distance from center to center (measurement No. 1).
   d. On rear of front tires measure distance from center to center (measurement No. 2).
   e. Compare measurements - measurement No. 1 should be 1/8 - 1/4 less than measurement No. 2.
   f. If not adjust each Tie Rod equally to get correct measurement.
   g. 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.

2. BRAKE ADJUSTMENT

IF TRACTOR REQUIRES MORE THAN SIX FEET STOPPING DISTANCE IN HIGHEST GEAR ON A LEVEL DRY CONCRETE OR PAVED SURFACE THEN BRAKE MUST BE ADJUSTED.

a. Remove (4) Hex Washer Head Tapping Screws from Shift Cover Plate (Fig. 30), located on top tractor frame. Remove the Cover Plate.
b. Loosen Jam Nut (A) on Brake Rod (B) at Clevis (C) (Fig. 31).
c. Rotate Brake Rod (B) counterclockwise, (↶) turning Brake Rod out of Clevis (C) four to six turns (Fig. 31).
d. Start tractor with Transmission in "NEUTRAL" position.
e. Depress Brake-Clutch Pedal to the point where Secondary Belt (Fig 16) stops moving. Hold Brake-Clutch Pedal in position by engaging Parking Brake (Fig. 10) If Secondary Belt begins to move after engaging Parking Brake, depress Brake-Clutch Pedal to next notch on Parking Brake.
f. Shut engine off. Rotate Brake Rod (B) clockwise by hand, turning Brake Rod into Clevis (C), until tight. Tighten Jam Nut (A) on Brake Rod (B) at Clevis (C) (Fig. 31).

3. CARBURETOR ADJUSTMENT

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment.

a. Adjust Carburetor to suggested initial settings.
   -- Turn Needle Valve clockwise (↷) closing finger tight ONLY, and then turn counterclockwise (↶) 1 - 1/2 turns (Fig. 32).
   -- Turn Idle Valve clockwise, (↷) closing finger tight ONLY, and then turn counterclockwise (↶) 1 - 1/2 turns.

   CAUTION: Valves may be damaged if turned in too far.

REFER TO "STARTING THE ENGINE" PAGE 4.

b. Start Engine and allow to warm for five minutes. Make final adjustments with Engine running.
   -- With Throttle Control in "SLOW" position, hold Throttle Lever against Idle Stop and set Idle Speed Adjusting Screw to give an engine speed of 1400 RPM. Turn Idle Valve clockwise (↷) slowly until engine begins to miss and then open 1/2 turn counterclockwise (↶).
   -- Set Idle Speed Screw to give engine speed of 900 RPM. When Throttle Lever is release from Idle Stop, engine speed should be between 1000 and 1400 RPM, controlled by governor.
   NOTE: ALL ABOVE SPEED AND FUEL MIXTURE ADJUSTMENTS MUST BE DONE WITH THE THROTTLE LEVER HELD AGAINST THE IDLE STOP AND AT SPEEDS NOTED.
   -- With Throttle Control in "FAST" position, turn Needle Valve slowly clockwise (↷) until engine begins to miss and then set 1/2 turn counterclockwise, (↶). NOTE: IF ENGINE HESITATES WHEN MOVING THROTTLE CONTROL FROM "SLOW" TO "FAST" POSITIONS, TURN NEEDLE VALVE COUNTERCLOCKWISE (↶) 1/8 TURN MORE.

4. ADJUSTMENT V-BELT

It may be occasionally necessary to re-adjust V-Belt. (See page 7).

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

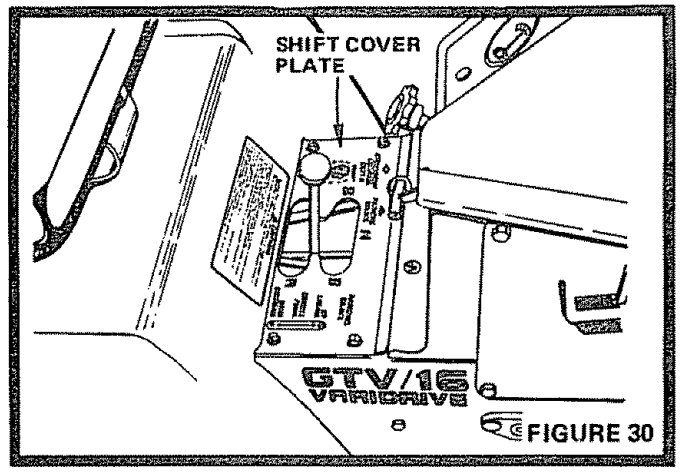


FIGURE 30

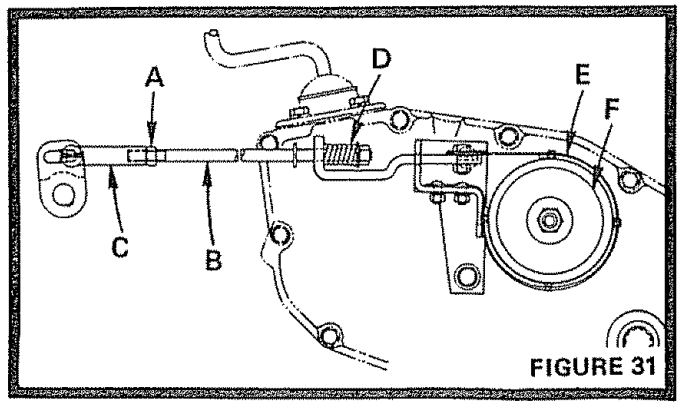


FIGURE 31

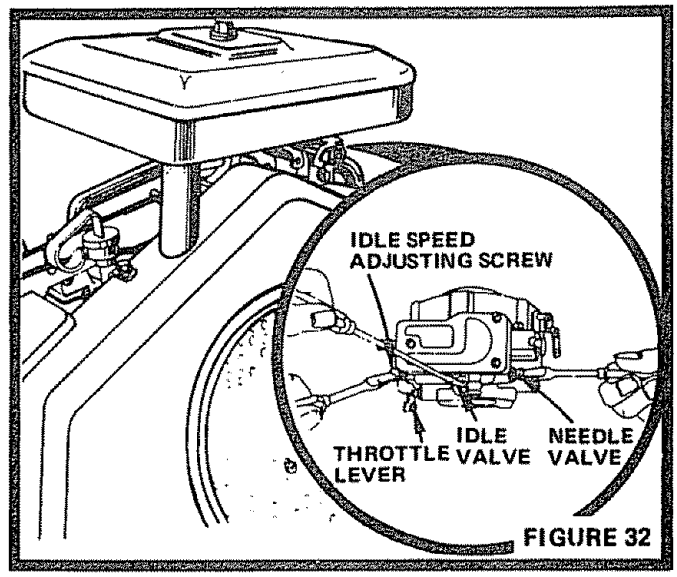


FIGURE 32

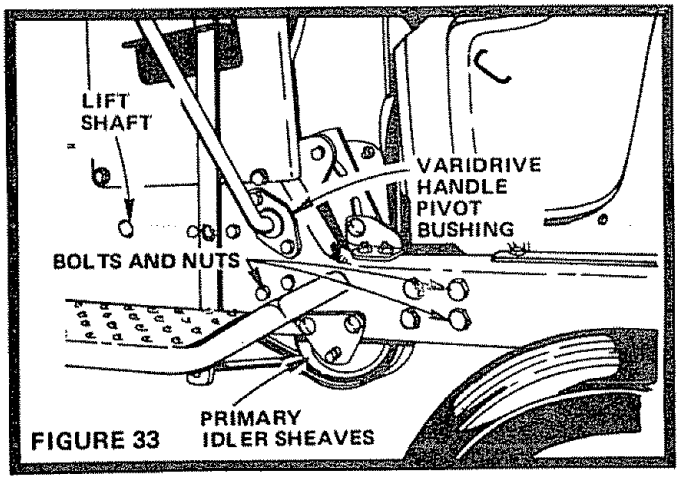


FIGURE 33

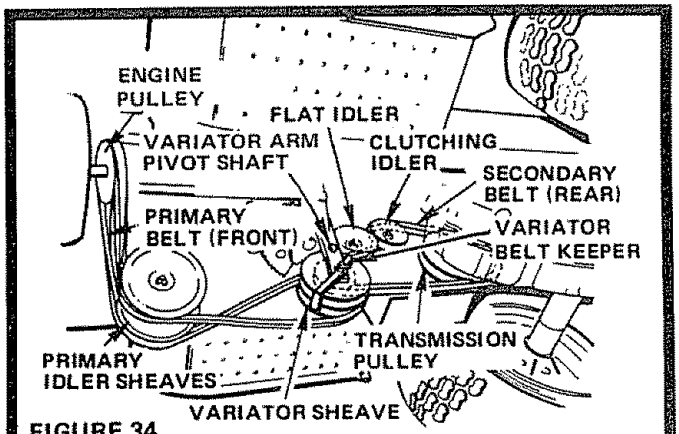


FIGURE 34

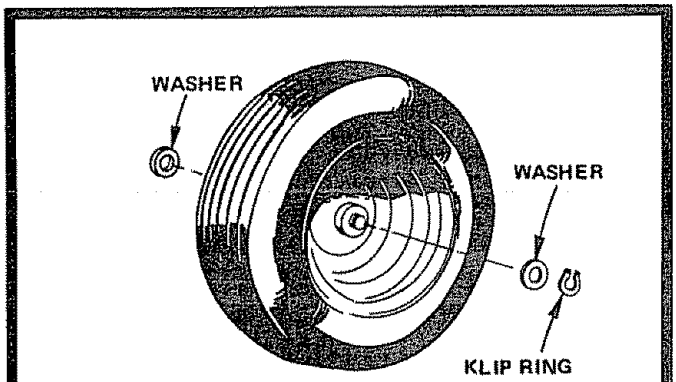


FIGURE 35

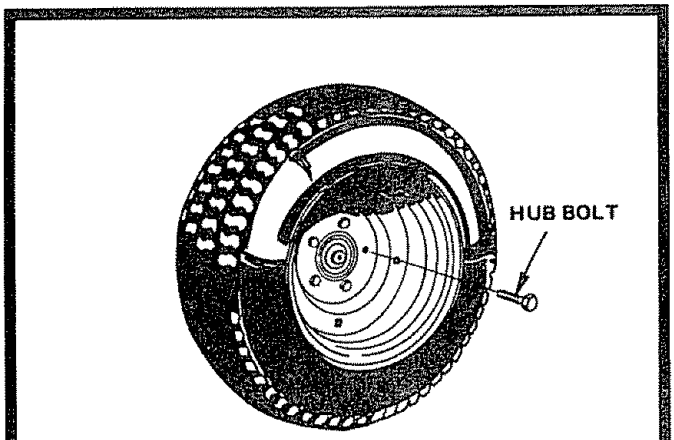


FIGURE 36

5. BELT REPLACEMENT

The belts on this tractor are special for this application, when replacing Belts always replace with Sears belts.

a. Disconnect Negative Ground Battery Cable.
b. Set Parking Brake (Fig. 10).
c. Pull Varidrive Control Lever to slow position (Fig. 11) giving Primary Belt slack.
d. Remove Primary Belt from Engine Pulley (Fig. 34).
e. Remove 3 Bolts and Nuts holding Primary Idler Sheaves to Frame (Fig. 33).
f. Remove Klip Ring and Washer from Variator Pivot Shaft (Fig. 34). Slide Pivot Arm inwards.
g. Remove Belt from Variator Sheave.
h. Remove Idler Nuts and Idler Sheaves from Primary Idler Sheaves (Fig. 34).
i. Primary (Front) Belt can now be removed.
j. To replace Secondary (Rear) Belt move Varidrive Control Lever to fast position. Remove Variator Belt Keeper (Fig. 34) and remove Secondary Belt from Variator.
k. Remove Clutching Idler (Fig. 34).
l. Remove Transmission Pulley Belt Guard. Belt can now be removed from Transmission Pulley.
m. Reverse the above procedures to install new Belts. Replace Primary Idler Package, Belt Keeper, Clutching Idler and Transmission Pulley Belt Guard.
n. Connect Battery.

NOTE: WHEN A NEW BELT OR BELTS ARE INSTALLED, YOU MUST CHECK BELT ADJUSTMENT. REFER TO "CHECK BELT ADJUSTMENT", PAGE 7.

6. CLEAN BATTERY AND TERMINALS

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

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

7. TIRE CARE

a. Maintain tire pressure in front at 14 pounds and rear tires at 10 pounds.
b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
d. Removing front wheel for tire repair (Fig. 35).
   - Block up front axle securely or use a Sears Tractor Jack.
   - Remove Klip Ring and Washer to allow wheel removal.
   - Repair tire and reassemble. Replace washer and snap Klip Ring securely in axle groove.
e. Removing rear wheel for tire repair (Fig. 36).
   - Block up rear axle securely or use a Sears Tractor Jack.
   - Remove (5) Hub Bolts to allow wheel removal.
   - Repair tire and reassemble. Replace and tighten Hub Bolts securely.

WHEN MOUNTING TIRES, UNLESS BEADS ARE SEATED, OVER INFLATION CAN CAUSE AN EXPLOSION.

8. FINISH

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

TROUBLE SHOOTING

POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START	
Clutch-Brake Pedal in drive position	Push Pedal into brake position (Fig. 9)
Attachment Clutch Lever in "ENGAGED" position	Move Lever to "DISENGAGED" position (Fig. 8)
No gasoline in Fuel Tank or clogged Fuel Line or Fuel Filter	Fill Tank with fresh Gasoline. Check Fuel Line (Fig. 28) and Carburetor (clean if necessary)
Blown Fuse	Check for fault and replace Fuse
Dead Battery	Recharge or replace Battery
Defective Ignition or loose Wiring	Check Wiring and Spark Plug
HARD TO START	
Choked improperly, flooded Engine	Place Throttle Control in fast position (Fig. 10) and run starter several times to clear out gas
Clogged Fuel Tank, Fuel Line, or Fuel Filter	Remove and clean (Fig. 28)
Dirty Air Cleaner	Remove and clean (Fig. 21)
Spark Plug dirty or improper gap	Replace Spark Plug and adjust gap (Fig. 26)
Defective Battery	Recharge or replace
Defective Ignition or loose wiring	Check the wiring and Spark Plug
Water in gasoline or old fuel	Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug
Improper Carburetor adjustment	Make necessary adjustments (Fig. 32)
ENGINE MISSES OR LACKS POWER	
Engine overload	Shift to a lower gear or reduce load
Clogged Fuel Filter	Remove and replace (Fig. 28)
Clogged Fuel Tank	Remove and clean
Partially plugged Air Cleaner	Remove and clean (Fig. 21)
Improper Carburetor adjustment	Make necessary adjustments (Fig. 32)
Dirty Air Screen	Clean Air Screen, Cylinder Fins (Fig. 23) & Muffler area
Low oil level or dirty oil	Add or change oil (Fig. 7)
Spark Plug dirty, improper gap or wrong type	Replace Spark Plugs and adjust gap (Fig. 26)
Faulty ignition	Check Spark Plugs and for any loose wires
Poor compression	Major Engine overhaul
Oil in gasoline	Drain and refill Gas Tank and Carburetor
ENGINE OVERHEATS	
Dirty Air Screen	Clean Air Screen (Fig. 17)
Low oil level or dirty oil	Add or change oil (Fig. 7)
Dirty Engine	Clean Cylinder Fins, rotating Screen and Muffler area
Partially plugged Muffler	Remove and clean Muffler (Fig. 22)
Partially plugged Air Cleaner	Remove and clean (Fig. 21)
Stale fuel or improper Carburetor adjustment	Use fresh fuel and adjust Carburetor (Fig. 32)
NO LIGHTS	
No Headlight with Light Switch in "ON" position and engine running	Check Wire Connections and Switch. Replace Light Bulbs
WON'T CHARGE	
Blown Fuse	Check for fault and replace
Defective Battery	Replace

STORAGE

1. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. Refer to page 7.

2. FUEL SYSTEM

a. Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.

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

3. CYLINDERS

a. Remove Spark Plugs.

b. Pour one ounce of oil through spark plug holes into cylinders.

c. Turn Ignition Key to "START" position for a few seconds to distribute oil.

d. Replace with new Spark Plugs.

4. BATTERY

a. Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F). NOTE: DO NOT STORE BATTERY DIRECTLY ON CONCRETE SURFACE.

b. Re-charge 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

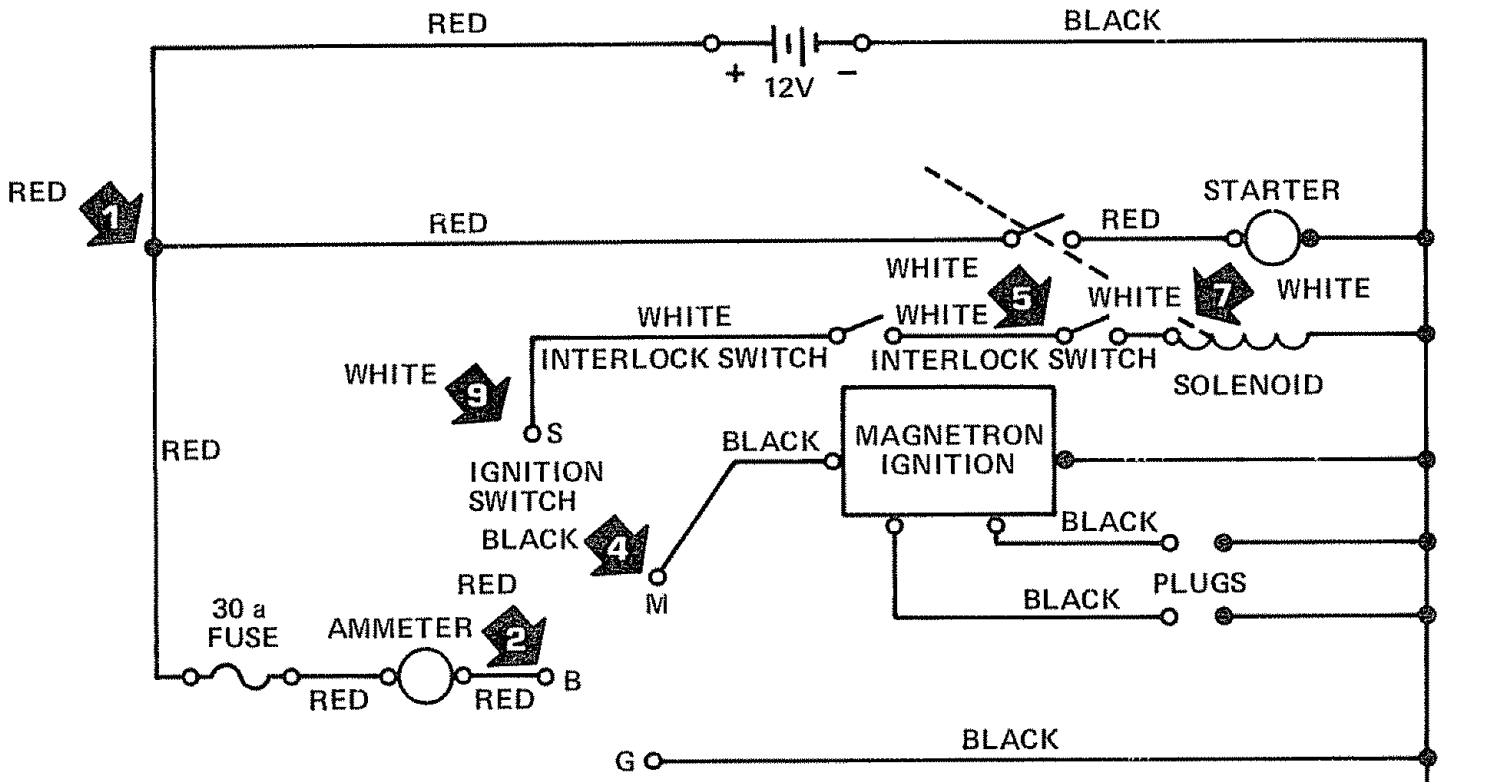
Clean engine, battery, finish etc. of all foreign matter.

6. STORE IN A CLEAN AND DRY AREA.

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

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

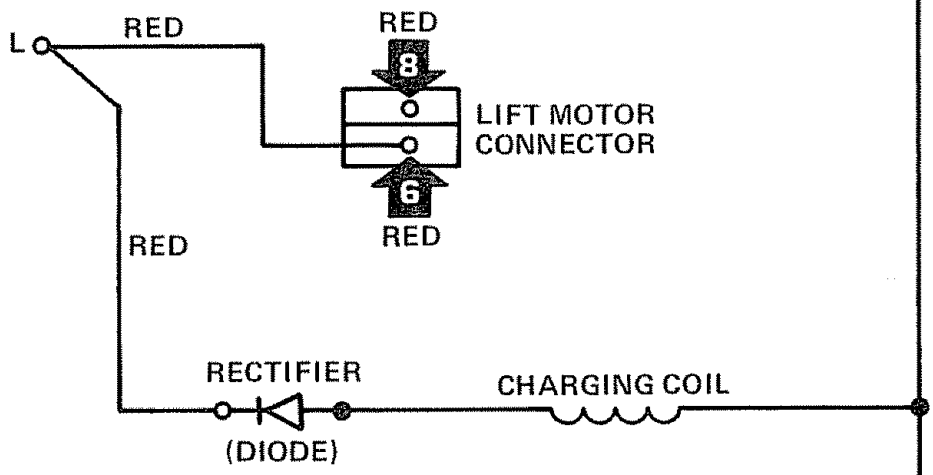


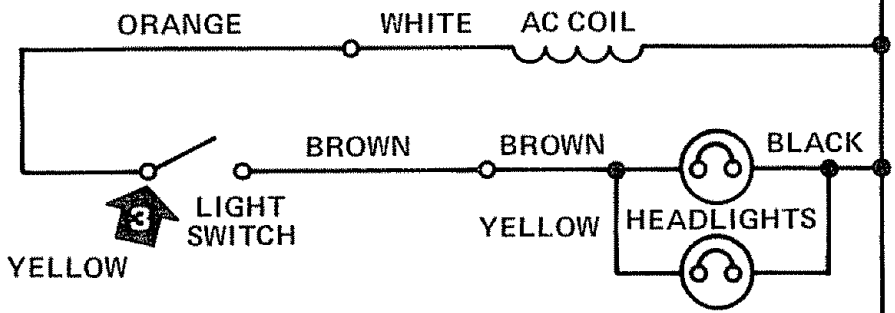
LIGHTS WILL NOT REGISTER ON AMMETER

YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH THE ENGINE SPEED. AT IDLE SPEED THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR BRIGHTEST.

WIRING INSULATED CLIPS

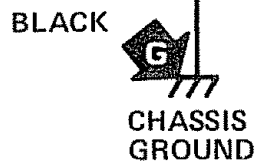
If Insulated Clips were removed for servicing of unit, they should be replaced to properly secure your wiring. There are four Insulated Clips on your Tractor.





IGNITION SWITCH
STD365400

POSITION	CIRCUIT
OFF	M-G
ON	B-L
START	B-S



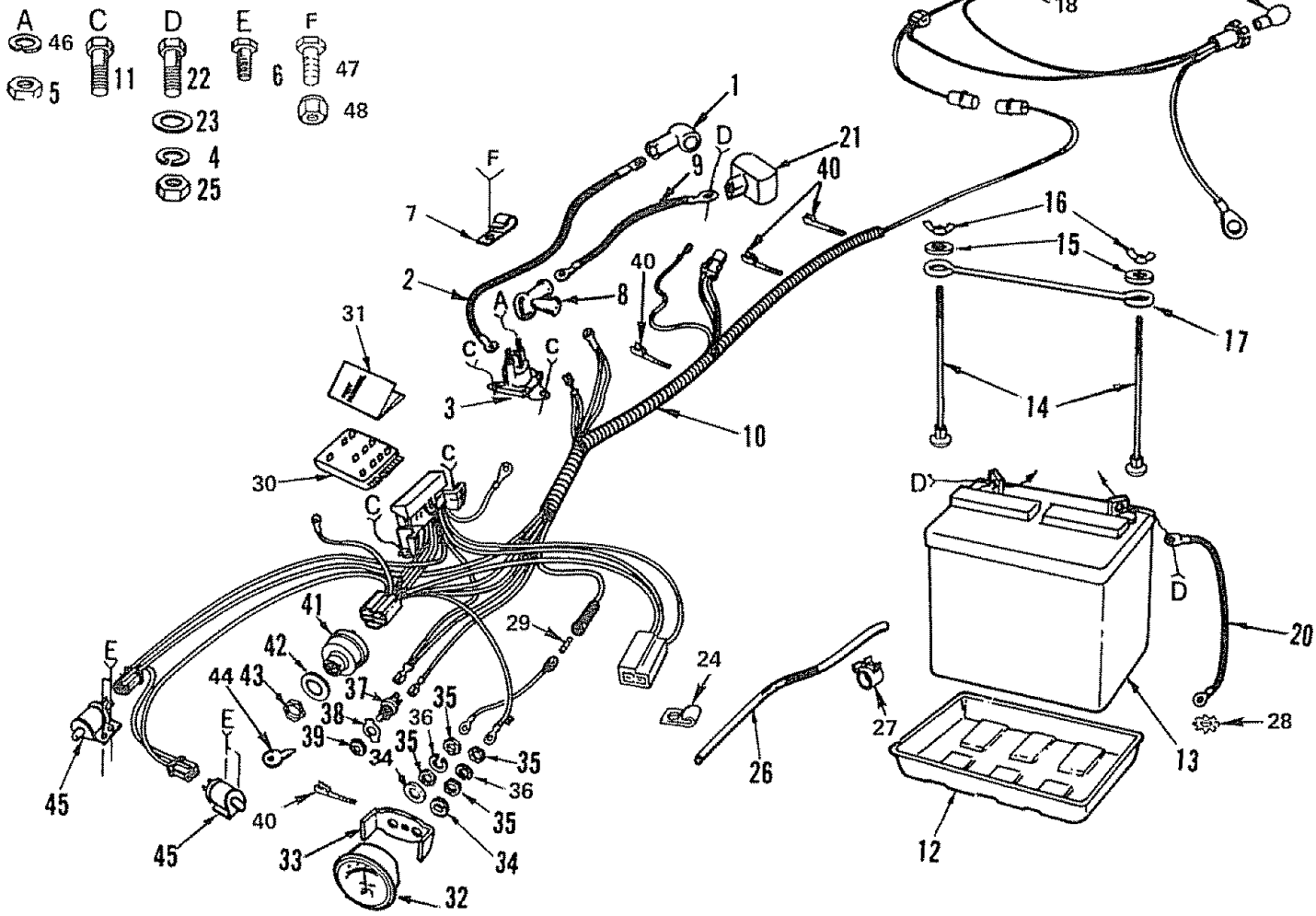
DIAGNOSTIC TERMINALS

1 THRU 9 AND G

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

ELECTRICAL



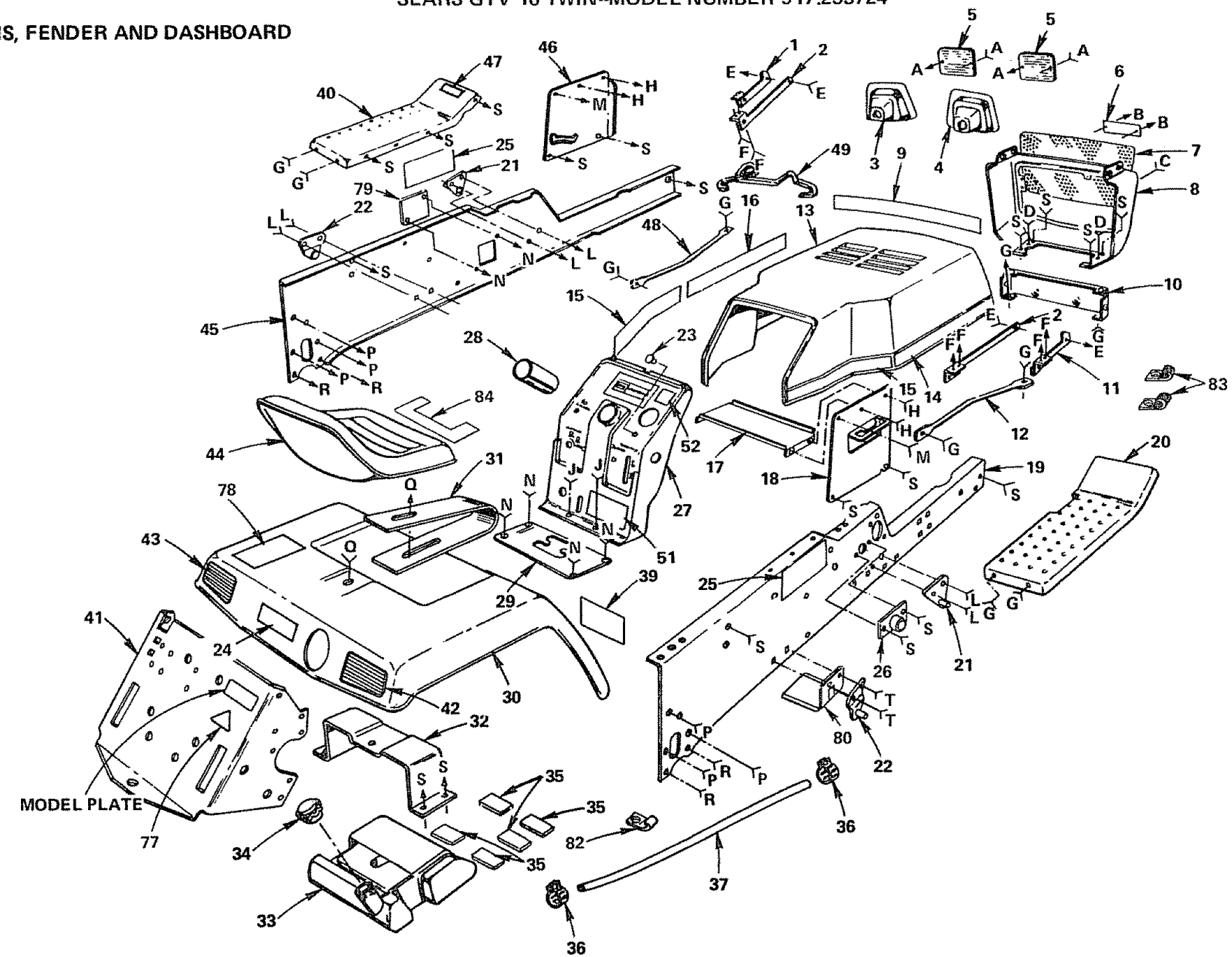
KEY NO.	PART NO.	DESCRIPTION
1	719J	Cover - Terminal
2	5115J	Cable - Starter
3	2008J	Solenoid
4	STD551125	*Lockwasher 1/4
5	STD541225	*Nut - Hex Jam 1/4 - 20 UNC
6	5642P	Screw - Hex Hd. Self Tapping Sems 10 - 24 x 3/8 Type T
7	4171R	Clip - Insulated
8	51J	Cover - Terminal
9	4799J	Cable - Battery
10	8020J	Harness - Ignition & Diagnostic
11	5584P	Screw - Hex Washer Hd. Cutting 1/4 - 20 UNC x 3/4
12	7603J	Tray - Battery
13	9138R	Battery
14	72240460	Bolt - Rd. Hd. Sq. Nk. 1/4 - 20 UNC x 7 - 1/2
15	1507P	Washer 9/32 x 3/4 x 16 Ga.
16	STD541625	*Wing - Nut 1/4 - 20 UNC
17	67187	Rod - Battery
18	7661J	Harness Light
19	7662J	Headlight Bulb
20	4207J	Cable - Battery
21	225J	Cover - Terminal
22	STD522507	*Bolt - Hex Hd. 1/4 - 20 UNC x 3/4
23	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
24	2751R	Clip - Insulated
25	STD541025	*Nut - Hex 1/4 - 20 UNC
26	7604J	Tube - Plastic
27	6999R	Clamp - Hose
28	1402P	Lockwasher - 3/8 Ext. Tooth
29	6347R	Fuse
30	677A823	Diagnostic Terminal Adapter (Optional) order Test Manual Key No. 31
31	8441J	Test Manual (Optional)
32	9433R	Ammeter
33	6009J	Bracket, Ammeter
34	6951J	Washer 7/32 x 1/2 x 18 Ga.
35	6953J	Nut, No. 10 - 32 UNF
36	6952J	Lockwasher No. 10
37	4482J	Switch - Light
38	7682R	Plate - On - Off
39	7320R	Nut - Hex Face
40	7192J	Tie - Cable
41	4406R	Switch - Ignition
42	1411P	Lockwasher 5/8
43	3258J	Nut - Flat
44	STD365410	Key
45	7755R	Switch - Interlock
46	1415P	Lockwasher 1/4
47	74760508	Bolt - Hex Fin. 5/16 - 18 x 1/2
48	73680500	Nut - Crownlock 5/16 - 18 UNC
---	7193J	Tag - Warning
---	8630J	Owners Manual

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

CHASSIS, FENDER AND DASHBOARD



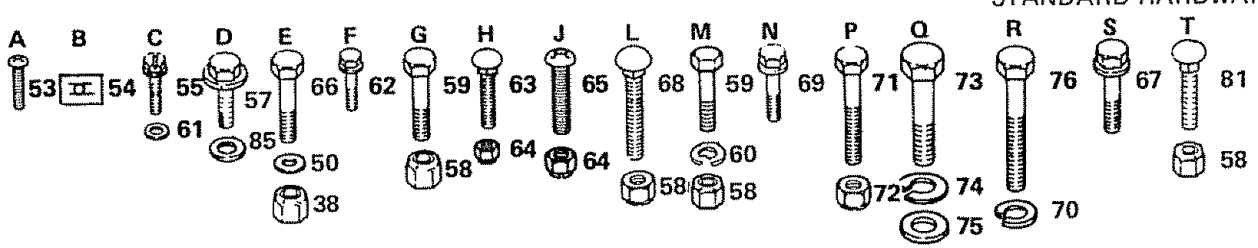
REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

CHASSIS, FENDER AND DASHBOARD

KEY NO.	PART NO.	DESCRIPTION
1	677A875	Strap Assembly - Hinge
2	677A432	Strap Assembly - Hinge
3	678H570	Bezel - L.H.
4	678H571	Bezel - R.H.
5	3600J	Lens - Headlamp
6	4110J	Logo - Grill
7	677H938	Screen - Grill
8	677H937	Grill
9	7091J	Decal - Strip Hood Front
10	677H993	Bracket - Frame, Front
11	677A876	Strap Assembly - Hinge
12	678H266	Brace - Grill - R.H.
13	678H108	Hood
14	7092J	Decal - Strip Hood R.H.
15	4904J	Decal - Strip Hood
16	7090J	Decal - Strip Hood L.H.
17	678H614	Support - Battery
18	678H610	Panel - Side R.H.
19	678H742	Rail - Frame R.H.
20	678H33	Foot Rest - R.H.
21	678H447	Bracket Ass'y. - Hanger, Front
22	678H340	Bracket Ass'y. - Hanger, Rear
23	8022J	Plug - Dash
24	7178J	Decal, Caution
25	5358J	Decal - Feature
26	678H643	Bracket Lever, Control
27	8017J	Dash
28	4182J	Sleeve - Steering
29	677H941	Cover, Shift - Gate
30	677H786	Fender
31	677H779	Spring - Seat
32	677H778	Bracket Ass'y. - Fender
33	3616J	Tank - Fuel
34	4609J	Cap - Fuel
35	6431J	Pad - Spacer
36	6999R	Clamp - Hose
37	5277J	Fuel Line
38	574P	Nut - Crownlock 1/4 - 20 UNC
39	4910J	Decal - Caution
40	677H787	Foot Rest - L.H.
41	678H624	Drawbar Assembly
42	4903J	Decal - Reflector R.H.
43	4902J	Decal - Reflector L.H.
44	1496J	Seat
45	678H609	Rail - Frame L.H.
46	678H611	Panel - Side L.H.
47	4900J	Decal Clutch/Brake
48	678H267	Brace - Grill L.H.
49	5592J	Guard Belt, Main Dr.
50	1536P	Washer 9/32 x 1/2 x 16 Ga.
51	8497J	Decal - Instruction
52	7651J	Decal - Control - Varidrive
53	5632P	Screw - Cross Recess Pan Hd. No. 8 - 18 Hi - Lo x 1/2
54	7921J	Fastener - Push On
55	5638P	Screw - Hex Slotted Hd. Parkerized Self Tapping Type AB No. 12 x 1/2
57	17490616	Screw - Hex Washer Hd. Thd. Rolling 3/8 - 16 UNC x 1
58	545P	Nut - Crownlock 3/8 - 16 UNC
59	STD523707	*Bolt - Hex, Finished 3/8 - 16 UNC x 3/4
60	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
61	8019J	Washer 7/32 x 5/8 x 16 Ga.
62	5631P	Screw - Finished Hex Washer Head No. 13 - 16 Hi - Lo x 5/8
63	67P	Bolt - Round Hd. Square Neck 5/16 - 18 UNC x 3/4 Gr. 5
64	575P	Nut - Crownlock 5/16 - 18 UNC
65	3419P	Screw - Truss Hd. Cross Recess 5/16 - 18 UNC x 3/4
66	7605J	Bolt - Shoulder 1/4 - 20 UNC
67	5627P	Screw - Hex Washer Hd. Type TT Thread Rolling 3/8 - 16 UNC x 3/4
68	STD533707	*Bolt - Rd. Hd. Sq. Nk. 3/8 - 16 UNC x 3/4 Gr. 5
69	5514P	Screw - Hex Washer Hd. Tapping 1/4 - 20 x 1/2
70	STD551143	*Lockwasher 7/16
71	3034P	Bolt - Hex, Finished 7/16 - 14 UNC x 1
72	73680700	Nut - Crownlock 7/16 - 14 UNC
73	STD525010	*Bolt - Hex Finished 1/2 - 13 UNC x 1 Gr. 5
74	STD551150	*Lockwasher 1/2
75	1625P	Washer 17/32 x 1 - 3/16 x 12 Ga.
76	3039P	Bolt - Hex Finished 7/16 - 14 UNC x 2 - 1/2
77	5224J	Safety Standard Sticker
78	8023J	Label - Feature, Product
79	678H729	Plate - Cover
80	6553J	Keeper - Belt, Secondary
81	28P	Bolt - Rd. Hd. Short Sq. Nk. 3/8 - 16 x 1 Gr. 5
82	2751R	Clip - Fuel Line
83	4171R	Clip Insulated
84	5339J	Decal - Shift Plate
85	19131614	Washer 13/32 x 1 x 14 Ga.

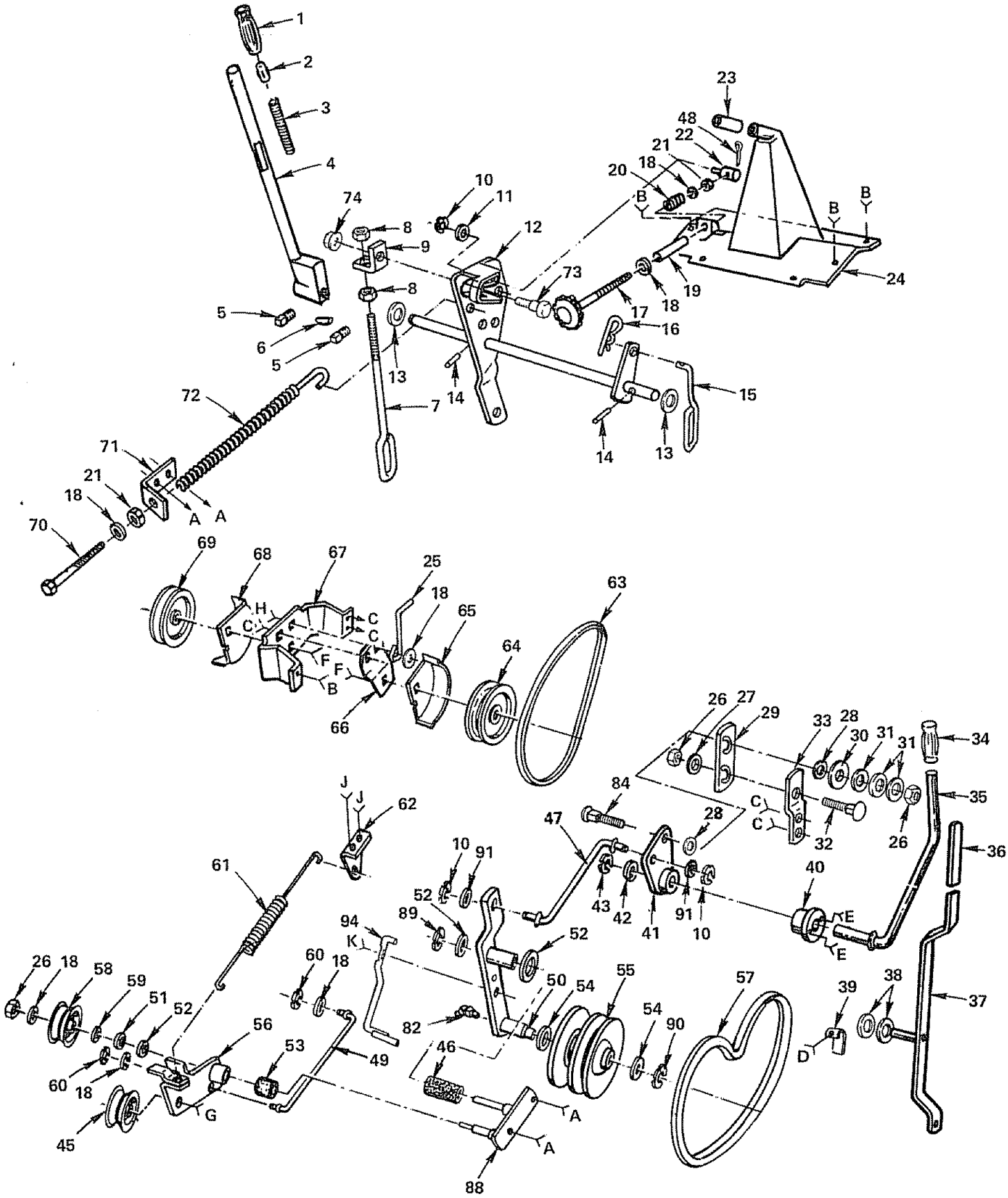
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

VARIDRIVE SYSTEM



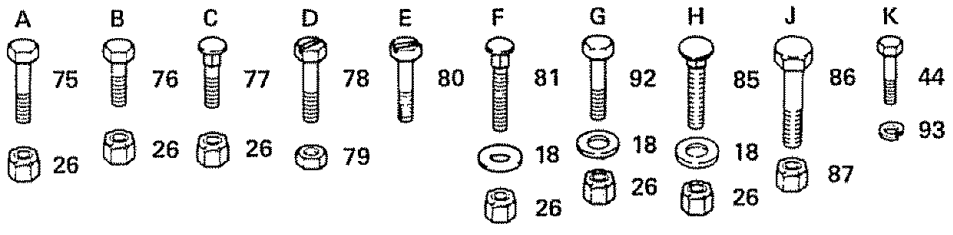
REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

VARIDRIVE SYSTEM

KEY NO.	PART NO.	DESCRIPTION
1	2895H	Grip - Handle
2	8016J	Plunger - Lever, Hand
3	2876H	Spring
4	678H642	Lever Assembly - Hand
5	4551P	Set Screw - Hex Socket Forged 3/8 - 16 UNC x 3/8 Nylon Patch
6	8330H	Key - Woodruff 1/4 x 1
7	7596J	Link - Lift, L.H.
8	STD541037	*Hex Nut 3/8 - 16 UNC
9	7594J	Bracket - Lift, L.H.
10	5024P	Klip Ring
11	1615P	Washer 15/32 x 13/16 x 16 Ga.
12	678H621	Shaft Assembly - Lift
13	1616P	Washer 29/32 x 1 - 1/4 x 16 Ga.
14	5142H	Pin - Roll 3/16 x 1 - 1/4
15	8488J	Link - Lift, R.H.
16	4939M	Pin - Spring, Retaining
17	6533J	Rod - Lift, Adjustment
18	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
19	7222J	Spacer - Split, 7/16 x 9/16 x 3 - 1/2
20	2876H	Spring
21	STD541237	*Nut - Hex, Jam 3/8 - 16 UNC
22	678H450	Trunnion - Adjust. Height
23	9038R	Bearing
24	678H612	Support Assembly - Dash, Steering
25	7195J	Belt Retainer
26	545P	Nut - Crownlock 3/8 - 16 UNC
27	1637P	Washer 13/32 x 1 - 1/4 x 12 Ga.
28	5315J	Disc - Friction
29	7021J	Plate - Stop, Variator
30	1624P	Washer 3/8 x 1 - 1/2 x 5 Ga.
31	2263R	Spring Washer
32	28P	Bolt - Round Hd. Sq. Neck 3/8 - 16 UNC x 1 Gr. 5
33	678H744	Bracket - Stop, Variator
34	7588J	Grip - Handle
35	8001J	Lever - Control, Varidrive
36	4617J	Grip - Handle
37	674A271	Shaft Assembly - Lever, Control
38	1588P	Washer 17/32 x 3/4 x 16 Ga.
39	5348J	Actuator, Interlock
40	5314J	Bushing - Control, Lever
41	5661J	Arm - Control, Variator
42	1664P	Washer 19/32 x 1 - 3/4 x 16 Ga.
43	5036P	Klip Ring
44	STD522505	*Bolt - Hex Fin. 1/4 - 20 x 1/2
45	4860J	Idler - Flat
46	5986J	Seal - Dirt
47	5324J	Link - Control Variator
48	STD560907	*Pin - Cotter 3/32 x 3/4
49	5640J	Link - Clutch
50	677H916	Arm Assembly - Variator
51	3445J	Seal - Felt
52	1527P	Washer 21/32 x 7/8 x 16 Ga.
53	5465J	Seal - Dirt
54	206J	Washer - Hardened
55	7930J	Sheave - Variator
56	~~677A883~~	~~Arm Assembly - Idler Clutch~~
57	5262J	V-Belt Secondary
58	~~4859J~~	~~Idler - Flat~~
59	1637P	Washer 13/32 x 1 - 1/4 x 12 Ga.
60	5031P	Klip Ring
61	5641J	Spring - Idler
62	~~678H448~~	~~Bracket - Spring~~
63	7074J	V-Belt Primary
64	2083R	Flat Idler — H7/3 diam.
65	5256J	Guide - Belt, Flat Idler
66	5255J	Bracket - Flat Idler
67	677H917	Bracket - "V" Idler
68	5253J	Guide - Belt, "V" Idler
69	4200J	Pulley - "V" Idler
70	5328J	Bolt - Adjust, Spring, Assist
71	678H445	Bracket - Spring, Assist
72	678H641	Spring Assembly - Assist, Lift
73	7901J	Shoulder Bolt
74	73900400	Flanged Hex Locknut 1/4 - 20
75	STD523710	*Bolt - Hex Finished 3/8 - 16 UNC x 1
76	STD523707	*Bolt - Hex Finished 3/8 - 16 UNC x 3/4
77	STD533707	*Bolt - Round Hd. Sq. Neck 3/8 - 16 UNC x 3/4 Gr. 5
78	STD511010	*Screw - Hex Fin. No. 10 - 24 x 1
79	STD541410	*Nut - No. 10 - 24
80	5627P	Screw - Hex Washer Head Thd. Rolling 3/8 - 16 UNC x 3/4
81	72110614	Bolt - Rd. Hd. Short Sq. Nk. 3/8 - 16 UNC x 1 - 3/4 Gr. 5
82	6855M	Grease Fitting
84	STD533715	*Bolt - Rd Hd. Sq. Nk. 3/8 - 16 UNC x 1 - 1/2
85	STD533710	*Bolt - Rd. Hd. Sq. Neck Carriage 3/8 - 16 x 1 Gr. 5
86	STD523107	*Bolt - Hex Finished 5/16 - 18 x 3/4
87	575P	Nut - Crownlock 5/16 - 18 UNC
88	678H740	Bracket Assembly - Variator
89	5023P	Klip Ring
90	5025P	Klip Ring
91	1676P	Washer 13/32 x 13/16 x 20 Ga.
92	STD523717	*Bolt - Hex, Finished 3/8 - 16 UNC x 1 - 3/4
93	STD551125	*Lockwasher 1/4
94	674A232	Keeper - Belt Assembly

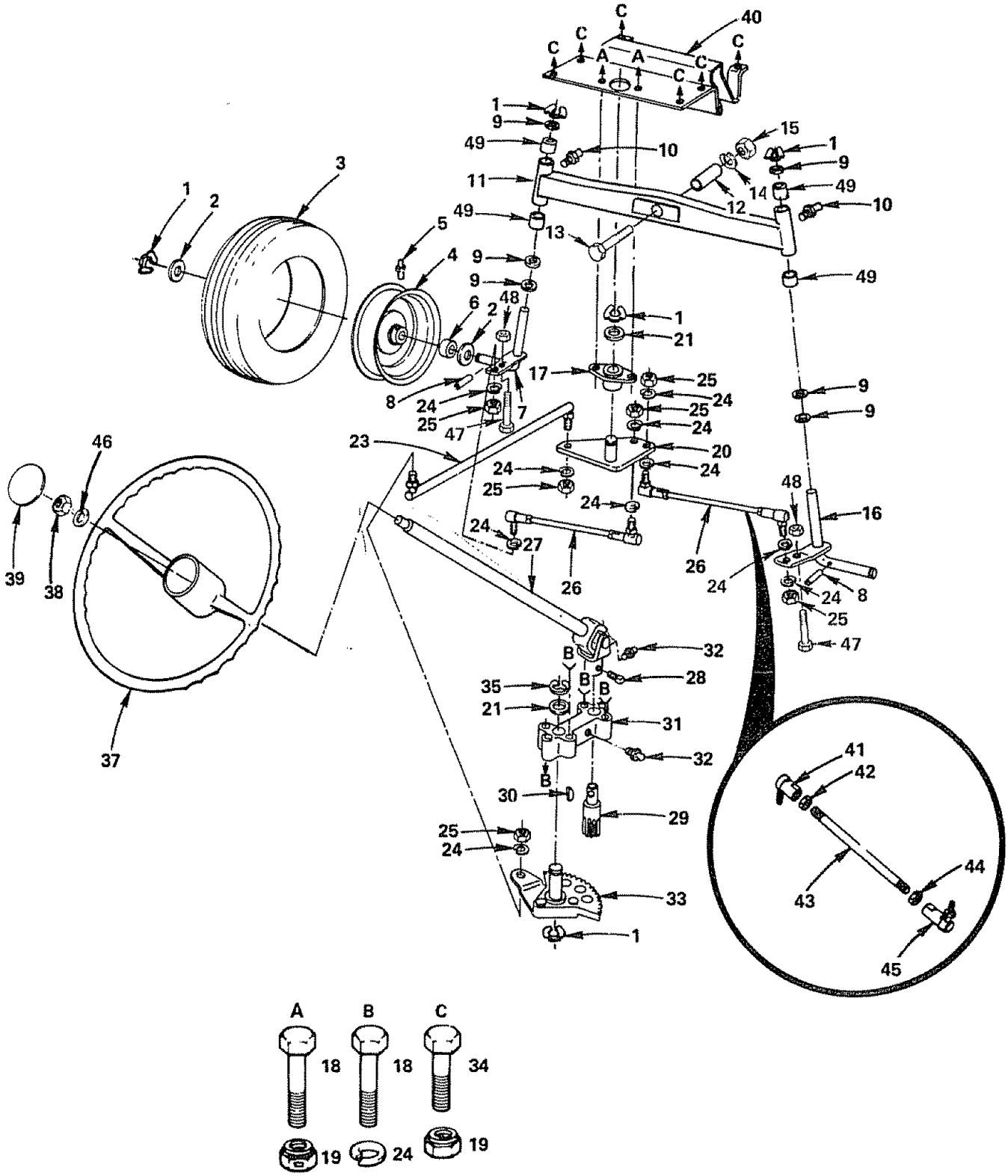
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

STEERING



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

STEERING

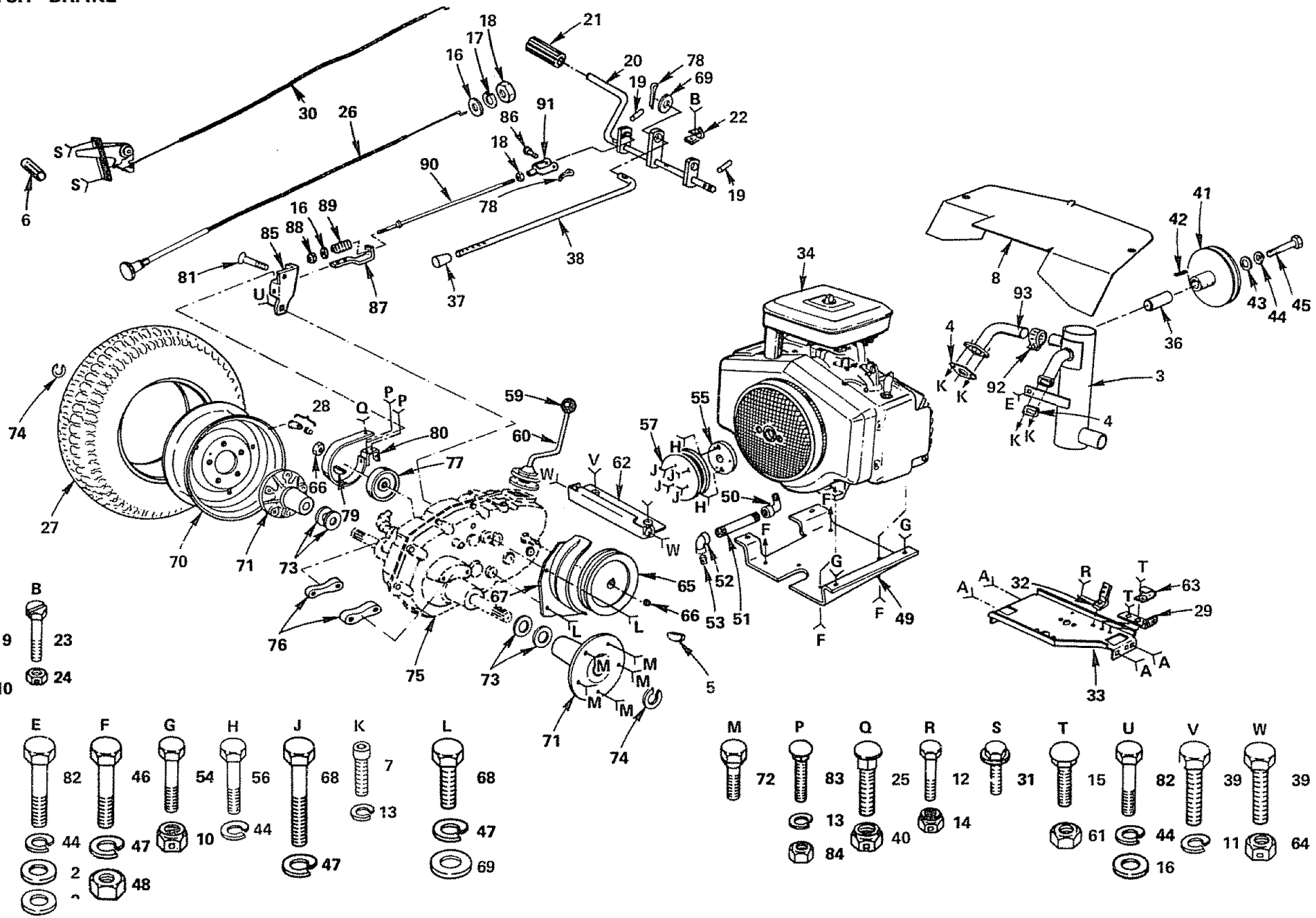
KEY NO.	PART NO.	DESCRIPTION
1	5022P	Klip Ring
2	1617P	Washer 25/32 x 1 - 1/4 x 16 Ga.
3	3641J	Tire - 16 x 6.50
4	9541R	Front Wheel (Inc. Key No. 5 & 2 of Key No. 6)
5	6856M	Grease Fitting
6	9040H	Flanged Bearing
7	678H616	Spindle Assembly, L.H.
8	9530R	Pin - Groove, 3/16 x 1 - 1/4
9	6266H	Race - Thrust
10	6855M	Fitting - Grease
11	674A244	Axle Assembly - Front (with Bearings)
12	5298J	Tube - Pivot, Axle
13	3439P	Bolt - Hex Fin. 5/8 - 11 UNC x 2 - 3/4 Gr. 5
14	STD551162	*Lockwasher 5/8
15	STD541062	*Nut - Hex 5/8 - 11 UNC
16	678H615	Spindle Assembly, R.H.
17	5292J	Bushing, Bellcrank
18	STD523710	*Bolt - Hex, Finished 3/8 - 16 UNC x 1
19	545P	Nut - Crownlock 3/8 - 16 UNC
20	677H998	Bellcrank Assembly
21	1616P	Washer 29/32 x 1 - 1/4 x 16 Ga.
23	5293J	Drag Link
24	STD551137	*Lockwasher 3/8
25	STD541137	*Nut - Hex 3/8 - 24 UNF
26	7990J	Tie Rod
27	678H670	U-Joint Assembly
28	STD503705	*Screw - Set Hex Forged Socket 3/8 - 16 UNC x 1/2
29	3945J	Pinion - Steering
30	9858M1	Key - Woodruff 3/16 x 5/8
31	8839R	Bracket - Support, Steering
32	6842M	Fitting - Grease
33	677H997	Sector Assembly
34	STD523707	*Bolt - Hex Finished 3/8 - 16 UNC x 3/4
35	5017P	E - Ring Truarc 5133 - 87
37	6784J	Wheel - Steering
38	STD541350	*Nut - Hex Jam 1/2 - 20 UNF
39	3649J	Insert - Wheel, Steering
40	677H992	Bracket - Axle
41	8922R	Tie Rod Joint L.H. Thread
42	547P	Nut Hex Jam 3/8 - 24 UNF
43	7919J	Tie Rod
44	STD541337	*Nut Hex Jam 3/8 - 24 UNF
45	8921R	Tie Rod Joint R.H. Thread
46	1545P	Washer 17/32 x 1 x 16 Ga.
47	STD523720	*Bolt - Hex Fin. 3/8 - 16 UNC x 2 Gr. 5
48	518P	Nut - Keps 3/8 - 16 UNC
49	1309H	Bearing

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

CLUTCH - BRAKE



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

CLUTCH - BRAKE

KEY NO.	PART NO.	DESCRIPTION
2	1660P	Washer 13/32 x 3/4 x 10 Ga.
3	7976J	Muffler
4	8545J	Gasket - Muffler
5	9858M1	Woodruff Key
6	61159	Knob - Throttle Control
7	74570412	Screw Hex Socket Hd. 1/4 - 20 x 3/4
8	678H607	Shield - Heat
9	STD533707	*Bolt - Round Hd. Short Sq. Neck 3/8 - 16 UNC x 3/4 Gr. 5
10	545P	Nut - Crownlock 3/8 - 16 UNC
11	STD551143	*Lockwasher 7/16
12	STD522503	*Bolt - Hex Finished 1/4 - 20 UNC x 1/2
13	STD551125	*Lockwasher 1/4
14	574P	Nut - Crownlock 1/4 - 20 UNC
15	72140507	Bolt - Rd. Hd. Sq. Neck 5/16 - 18 UNC x 7/8 Gr. 5
16	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
17	1402P	Lockwasher 3/8 Ext. Tooth
18	STD541137	*Nut - Fin. Hex 3/8 - 24 UNF
19	5142H	Pin - Roll 3/16 x 1 - 1/4
20	678H743	Shaft Assembly - Pedal, Foot
21	8883R	Cover - Pedal, Foot
22	5304J	Actuator - Switch, Interlock
23	STD511010	*Screw - Hex Fin. No. 10 - 24 UNC x 1
24	STD541410	*Nut - Lock No. 10 - 24 UNC
25	STD533107	*Bolt - Rd. Hd. Short Sq. Neck 5/16 - 18 x 3/4 GR. 5
26	6894J	Control - Choke
27	3640J	Tire - Rear 23 x 8.50 - 12
28	795R	Tire Valve
29	8318J	Bracket - Interlock Switch
30	5695J	Control - Throttle
31	5606P	Screw - Hex Washer Hd. Thrd. Forming 1/4 - 20 UNC x 1/2
32	7171J	Bracket - Interlock Switch
33	677H996	Bracket - Support, Steering
34	7970J	Engine - 16 H.P. Twin
36	7975J	Spacer 1 x 1 - 1/4 x 1.062
37	71673	Plunger - Cap
38	678H619	Rod - Brake, Parking
39	3034P	Bolt - Fin. Hex 7/16 - 14 UNC x 1
40	1685H	Centerlock Nut 5/16 - 18
41	7974J	Pulley - Drive Attachment
42	9396E	Key - 1/4 x 2
43	1624P	Washer 3/8 x 1 - 1/2 x 5 Ga.
44	STD551137	*Lockwasher - 3/8
45	3392P	Bolt - Hex, Finished 3/8 - 24 UNF x 1 - 3/4
46	STD523112	*Bolt - Hex Finished 5/16 - 18 UNC x 1 - 1/4 Gr. 5
47	STD551131	*Lockwasher 5/16
48	STD541031	*Nut - Hex 5/16 - 18 UNC
49	677H918	Base - Engine
50	4033P	Elbow - 1/4 NPT Street
51	4006P	Nipple - 1/4 NPT x 2 - 1/2
52	4025P	Elbow - 1/4 NPT 90°
53	4001P	Plug - 1/4 NPT Square Head
54	STD523707	*Bolt - Hex Finished 3/8 - 16 UNC x 3/4
55	7956J	Adapter - Pulley
56	STD523710	*Bolt, Hex Head 3/8 - 16 UNC x 1 Gr. 5
57	7955J	Pulley - Ground Drive
59	9439M	Knob - Control
60	633A109	Gear Shift Lever Ass'y.
61	575P	Nut - Crownlock 5/16 - 18 UNC
62	7952J	Bracket Support, Transaxle
63	8021J	Clip - Insulated
64	73680700	Nut - Crownlock 7/16 - 14 UNC
65	5241J	Pulley - Transaxle
66	9204H	Locknut - 1/2 - 20 UNF
67	7424J	Guard - Belt, Transaxle
68	STD523107	*Bolt - Hex, Finished 5/16 - 18 UNC x 3/4 Gr. 5
69	1599P	Washer 11/32 x 3/4 x 16 Ga.
70	9528R	Wheel - Rear
71	634A692	Rear Wheel Hub & Bushing
72	1304H	Bolt - Hub
73	7563R	Washer - Thrust
74	5027P	Klip Ring Truarc No. 5304-75
75	633A110	Transaxle - 3 Speed
76	4186J	Spacer - Transaxle
77	214J	Drum - Brake
78	STD560907	*Pin - Cotter 3/32 x 3/4
79	2228M	Woodruff Key
80	7920J	Brake Band
81	3164P	Screw - Machine Undercut Flat Hd. 3/8 - 16 UNC x 3/4
82	3022P	Bolt - Hex, Finished 3/8 - 16 UNC x 7/8
83	11P	Bolt - Rd. Hd. Sq. Neck 1/4 - 20 UNC x 5/8 Gr. 5
84	STD541025	*Nut - Hex 1/4 - 20 UNC
85	677A637	Bracket Assembly, Brake
86	5102J	Pin - Clevis
87	7229J	Guide - Rod, Brake
88	511P	Nut - Hex Centerlock with Nylon
89	7241J	Spring - Compression
90	5308J	Rod - Brake
91	5101J	Clevis
92	100000K	Clamp - Tube, 1 - 1/8
93	100001L	Tube - Exhaust

*STANDARD HARDWARE--PURCHASE LOCALLY

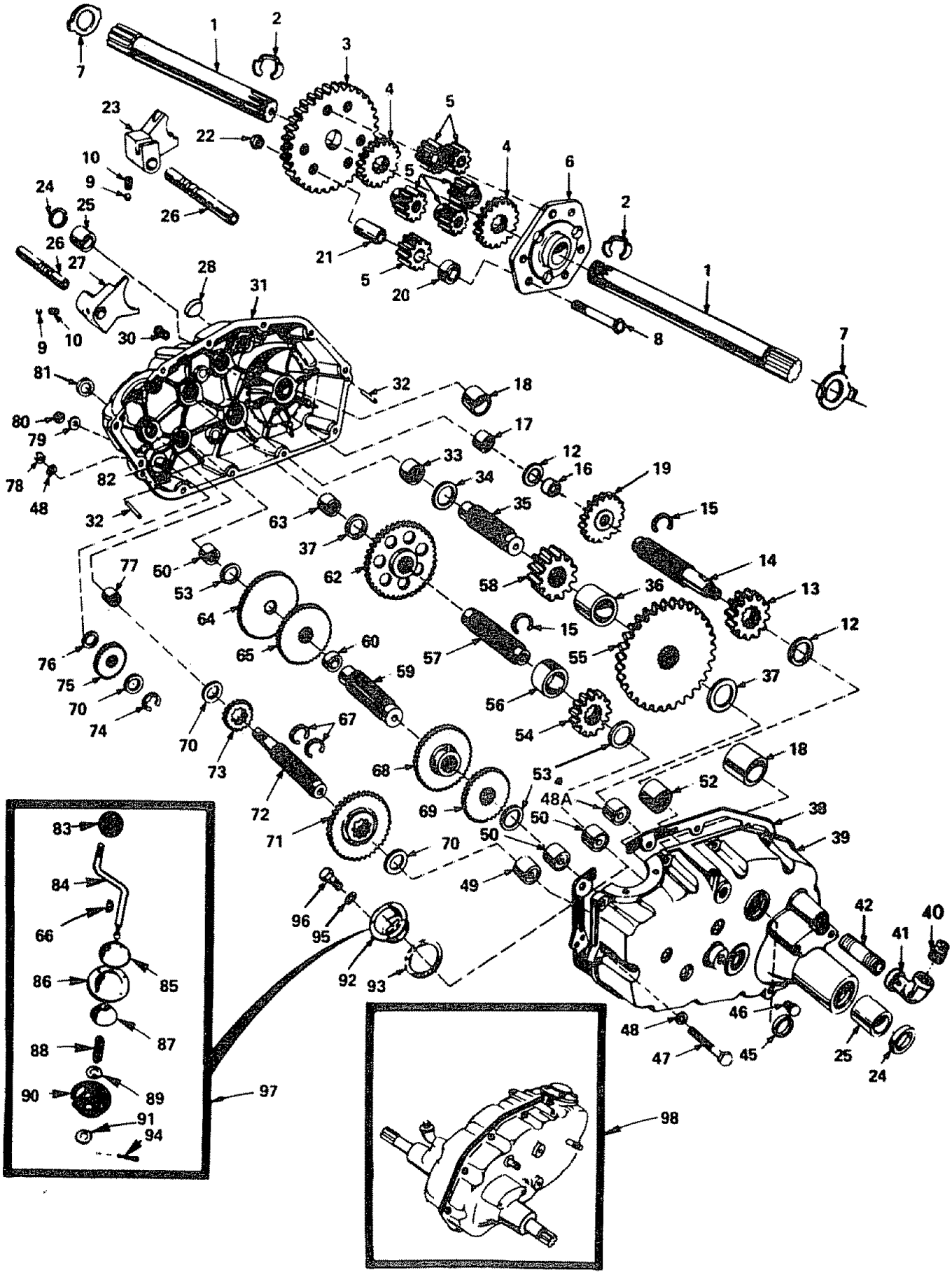
OPTIONAL EQUIPMENT

SPARK ARRESTER MUFFLER	674A380

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

TRANSAXLE



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724

TRANSAXLE

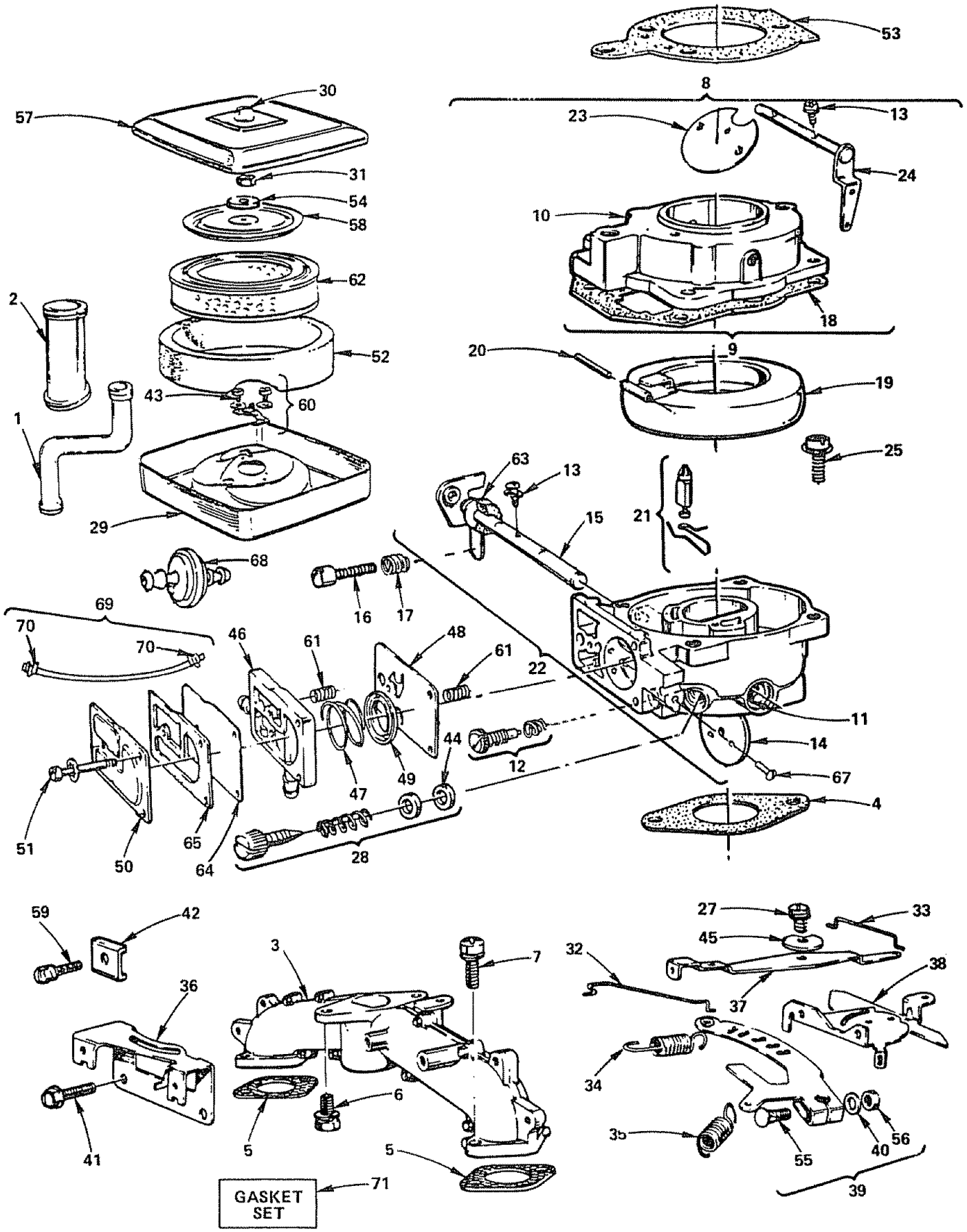
KEY NO.	PART NO.	DESCRIPTION
1	4197R	Axle Shaft
2	5845R	Retaining Ring
3	4199R	Final Drive Gear
4	4216R	Differential Gear
5	4215R	Differential Pinion
6	4217R	Differential Carrier
7	6256H	Axle Thrust Washer
8	3056P	Hex Bolt 3/8 - 24 UNF x 3 - 1/4 (1"Thread Length)
9	7392M	Steel Ball
10	6272H	Spring-Shift Fork Detent
12	6266H	Thrust Bearing Race
13	4212R	4th Reduction Pinion
14	4196R	3rd Reduction Gear Shaft
15	6276H	Retaining Ring
16	216J	3rd Reduction gear Spacer
17	8118M	Needle Bearing
18	8740H1	Sintered Iron Bearing
19	5385J	3rd Reduction Gear
20	4218R	Differential Pinion Spacer
21	6252H1	Differential Pinion Bushing
22	7810H	Gripco Centerlock Nut 3/8 - 24 UNF
23	4986R	Shift Fork - L.H.
24	7393R	Oil Seal
25	992R1	Sintered Iron Bearing
26	6216H	Shift Fork Shaft
27	6262H	Shift Fork - R.H.
28	217J	Expansion Plug
30	5855H	Pressure Relief Valve
31	633A65	Gearcase and Bearings - R.H. (Inc. Key No's. 17, 18, 25, 33, 50, 63, 76, 77, and 82)
32	6277H	Dowel Pin
33	4225R	Needle Bearing
34	7396H	Thrust Bearing Race
35	4198R	4th Reduction Gear Shaft
36	4200R	4th Reduction Gear Spacer
37	7395H	Thrust Bearing Race
38	6275H	Gearcase Gasket
39	633A64	Gearcase and Bearings-L.H. (Inc. Key No's. 18, 25, 49, 50 and, 52)
40	4002P	Pipe Plug 1/2 - 14 N.P.T.
41	4015P	Elbow 90°, 1/2 - 14 N.P.T.
42	4014P	Std. Pipe Nipple 1/2 - 14 N.P.T. x 3
45	6271H	Oil Seal
46	4001P	Pipe Plug 1/4 - 18 N.P.T.
47	STD523115	*Hex Bolt 5/16 - 18 x 1 - 1/2 Grade 5
48	1007P	Lockwasher 5/16 Extra Heavy
48A	1529R	Needle Bearing
49	4895H	Needle Bearing
50	4222R	Needle Bearing
52	8119M	Needle Bearing
53	4220R	Thrust Bearing Race
54	4209R	3rd Reduction Pinion
55	4213R	4th Reduction Gear
56	5383J	3rd Reduction Pinion Spacer
57	4195R	2nd Reduction Gear Shaft
58	4214R	Final Drive Pinion
59	4194R	1st Reduction Gear Shaft
60	7528R	1st Reduction Shaft Spacer
62	4207R	2nd Reduction Gear
63	7398H	Needle Bearing
64	4203R	Low Speed Gear and 2nd Reduction Pinion Cluster
65	4204R	Reverse Gear
66	2898J	Key Hi-Pro 1/8 x 17/32
67	4926H	Retaining Ring
68	4205R	Intermediate Speed Gear
69	4206R	High Speed Gear
70	1370H	Thrust Bearing Race
71	633A69	Intermediate and High Speed Cluster Pinion
72	4193R	Input Shaft
73	4201R	Low Speed Pinion
74	STD581062	*E-Ring
75	1153R	Reverse Idler Gear
76	7392H	Reverse Idler Thrust Washer
77	5529H	Needle Bearing
78	STD541031	*Hex Nut 5/16 - 18 UNC
79	1167R	Sealing Washer
80	541P	Hex Jam Nut 7/16 - 20 UNF
81	6270H	Oil Seal
82	7384H	Reverse Idler Shaft
83	6364H	Control Knob
84	5384J	Gear Shift Lever
85	2978J	Gear Shift Cap
86	633A85	Gear Shift Ball Cover and pin
87	8739H1	Shift Lever Guide
88	4924H	Spring
89	STD551043	*Washer 15/32 x 15/16 x 16 Ga.
90	8105R	Shift Mechanism Seal
91	1569P	Washer 9/16 x 15/16 x 11 Ga.
92	75J	Gear Shift Gate
93	6274H	Shift Ball Cover Gasket
94	2505P	*Cotter 1/8 x 3/4
95	STD551131	*Lockwasher 5/16
96	STD523108	*Hex Bolt 5/16 - 18 UNC x 7/8
97	633A109	Gear Shift Lever Ass'y.
98	633A110	Transaxle Assembly Less Brake Drum & Shift Lever Ass'y.

*STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

AIR CLEANER--CARBURETOR GROUP



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

AIR CLEANER--CARBURETOR GROUP

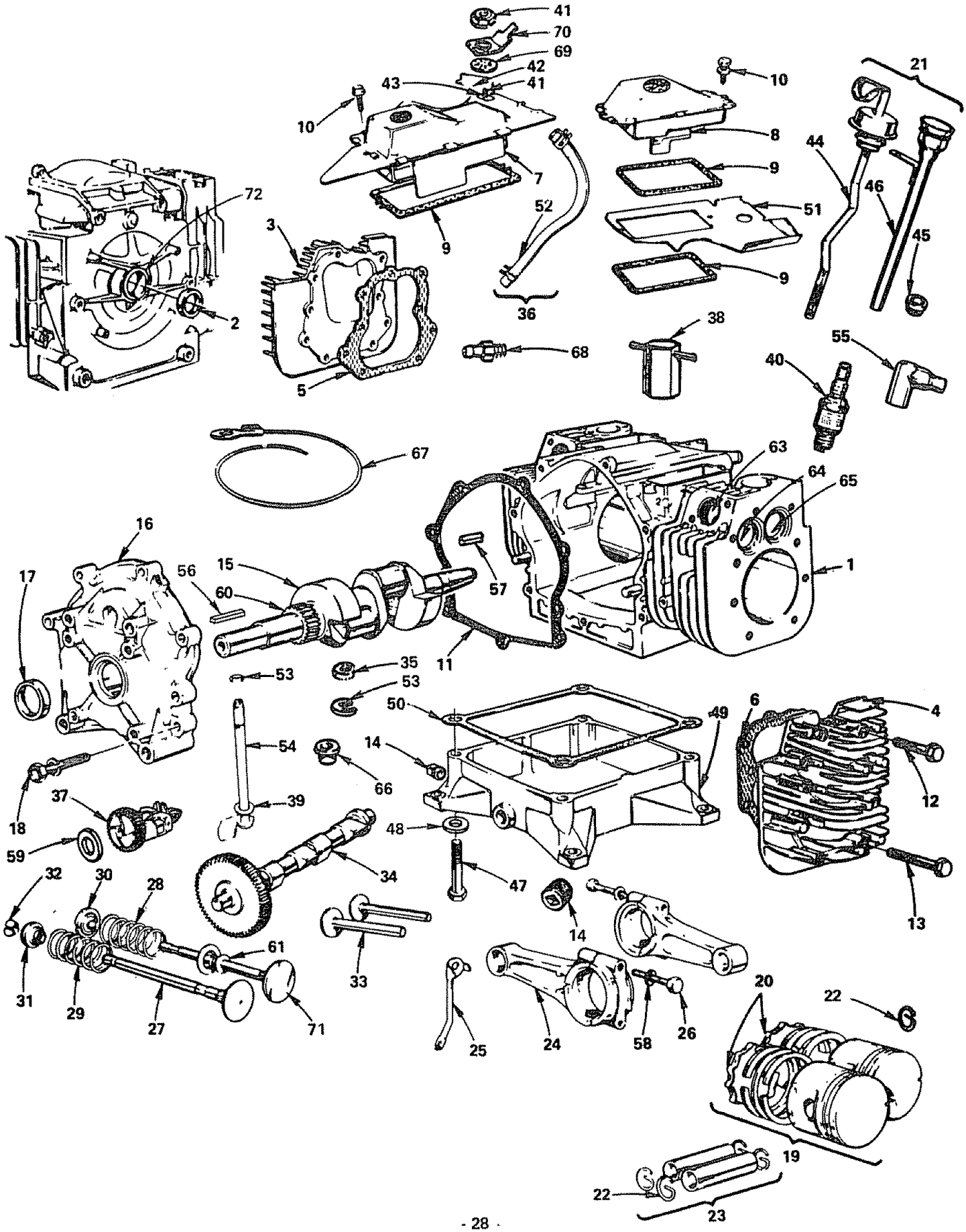
KEY NO.	PART NO.	DESCRIPTION
1	280185	Tube - Breather
2	280198	Tube - Intake
3	392970	Manifold Ass'y. - Intake
4	271412	+*Gasket - Carb. Mtg.
5	270884	*Gasket - Intake Manifold Mtg.
6	93414	Screw - Carb. Mtg. Sem
7	93208	Screw - Intake Manifold Mtg. Sem
8	394338	Carburetor Ass'y. (Inc. Key No's. 9 thru 25, 28, 44, 46 thru 51, 61, 63, 64 and 65)
9	393297	Body Ass'y. - Upper Carb. (Inc. Key No's. 10, 13, 18, 23 and 24)
10	394505	Body - Upper Carb.
11	231209	Bushing - Throttle Shaft
12	292681	+Valve Ass'y. - Carb. Idle
13	93499	Screw - Throttle and Choke Valve Mtg. Sem
14	221939	Valve - Throttle
15	392672	Shaft and Lever - Throttle
16	91920	Screw - Mach. Fil. Hd. 8 - 32 x 5/8
17	26157	Spring - Throttle Adj.
18	271008	+*Gasket - Carburetor Body
19	298514	Float - Carburetor
20	230896	+Pin - Float Hinge
21	299096	+Valve - Fuel Inlet
22	394352	Body - Lower Carb. (Inc. Key No's. 11, 13, 14, 15 and 63)
23	222010	Valve - Choke
24	392673	Shaft and Lever - Choke
25	93496	Screw - Hex Head Sem 10/32 x 5/8
27	93892	Screw - Sem
28	394033	+Valve Assembly - Needle (Inc. Key No. 44)
29	222752	Body - Air Cleaner
30	212292	Knob - Air Cleaner
31	93715	Nut - Hex
32	261444	Link - Governor
33	261531	Link - Speed Control
34	261446	Spring - Governor
35	261563	Spring - Governed Idle
36	222807	Bracket - Speed Control
37	222828	Lever - Speed Control
38	394324	Plate Ass'y. Governor Control
39	393346	Lever Ass'y. - Governor (Inc. Key No's. 40, 55 and 56)
40	222289	Washer
41	93868	Screw - Sem
42	221535	Clamp - Casing
43	93893	Screw - Sem
44	65978	+Packing - Needle Valve
45	66432	Washer - Plain
46	280197	Body - Pump
47	261395	†Spring - Pump
48	270988	†Diaphragm
49	221377	†Cap - Spring
50	222615	Cover - Diaphragm
51	93829	Screw - Diaphragm Cover
52	271271	Element - Air Cleaner
53	271411	+Gasket - Air Cleaner
54	271180	Washer
55	93853	Bolt - Governor Lever
56	92278	Nut - Hex 10 - 24
57	223001	Cover - Air Cleaner
58	222835	Cartridge Plate - Air Cleaner
59	93496	Screw- Sem
60	392643	Mounting Strap Ass'y. - Air Cleaner (Inc. Key No. 43)
61	261358	†Spring
62	394018	Cartridge - Air Cleaner
63	271013	+Washer - Choke Shaft
64	270989	†Diaphragm - Damping
65	271025	†Gasket - Carb. Pump
67	93897	Screw - Casing Clamp
68	394358	Filter - Fuel (In Fuel Pipe)
69	299146	Line - Fuel (28")
70	93053	Clamp - Fuel Pipe
71	394501	Gasket Set
---	393397	Repair Kit - Pump
---	394502	Carburetor Overhaul Kit

*INC. IN GASKET SET - 394501
+INC. IN CARBURETOR OVERHAUL KIT - 394502
†INCLUDED IN CARBURETOR OVERHAUL KIT - 394502 & PUMP REPAIR KIT - 393397

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP



REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

CYLINDER, CRANKSHAFT AND ENGINE BASE GROUP

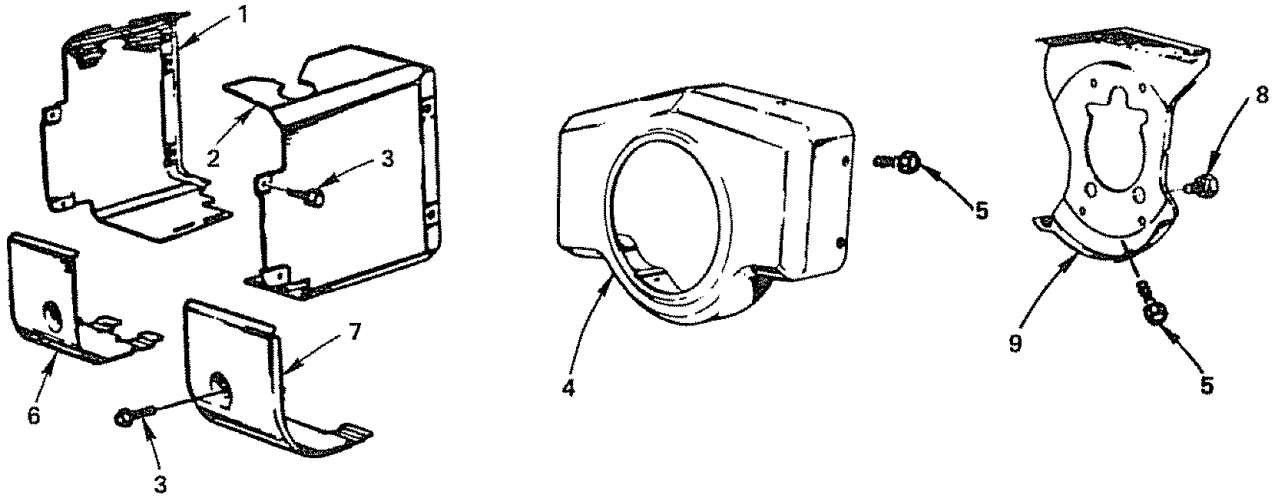
KEY NO.	PART NO.	DESCRIPTION
1	394900	Cylinder Assembly
2	391086	Seal - Oil
3	212461	Head - Cylinder No. 1
4	212462	Head - Cylinder No. 2
5	270984	*Gasket - Cylinder Head No. 1
6	270983	*Gasket - Cylinder Head No. 2
7	393243	Breather Assembly No. 1
8	393153	Breather Assembly No. 2
9	27803	*Gasket - Valve Cover
10	93394	Screw - Sem
11	270982	*Gasket - Crankcase Cover 1/64" Thick
11	271145	*Gasket - Crankcase Cover .005" Thick
11	271146	*Gasket - Crankcase Cover .009" Thick
12	93113	Screw - Cylinder Head (2 - 15/16" long)
13	93111	Screw - Cylinder Head (1 - 15/16" long)
14	91084	Plug - Oil Drain
15	392976	Crankshaft
16	394420	Cover Assembly - Crankcase
17	291675	Seal - Oil
18	93847	Screw - Crankcase Cover Mtg. Sem
19	394955	Piston Assembly - Standard (Inc. Key No's. 20 & 22)
19	394956	Piston Assembly - .010" O.S.
19	394957	Piston Assembly - .020" O.S.
19	394958	Piston Assembly - .030" O.S.
20	394959	Ring Set - Piston - Standard
20	394960	Ring Set - Piston - .010" O.S.
20	394961	Ring Set - Piston - .020" O.S.
20	394962	Ring Set - Piston - .030" O.S.
21	394023	Dipstick and Tube Assembly (Inc. Key No's. 44, 45 & 46)
23	299691	Pin Assembly - Piston - Standard (Inc. Key No. 22)
23	391286	Pin Assembly - Piston - .005" O.S.
24	394306	Rod Assembly - Connecting
25	222480	Dipper - Connecting Rod
26	92909	Screw - Connecting Rod
27	390420	Valve - Exhaust
28	65906	Spring - Intake Valve
29	26828	Spring - Exhaust Valve
30	221596	Retainer - Intake Valve
31	292260	Rotocoil - Exhaust
32	93630	Retainer - Exhaust Valve Rotocoil
33	261368	Tappet - Valve
34	212337	Gear - Cam
35	271316	Foam Seal - Governor Shaft
36	393244	Pipe - Fuel (Inc. Key No. 52)
37	394348	Gear - Governor
38	89838	Spark Plug Wrench
39	220863	Washer - Gov. Crank (inside)
40	394539	Plug - Spark (Resistor) (2 - 3/8 High - 60 M.M.)
41	90576	Nut - Hex 8 - 32
42	231174	Terminal
43	280180	Grommet - Insulator
44	394014	Cap and Dipstick - Oil Filler
45	68838	Seal - Filler Tube
46	392782	Tube - Oil Filler
47	93783	Screw - Hex Hd.
48	92268	Washer
49	394391	Base - Engine
50	270981	*Gasket - Engine Base
51	222700	Baffle - Air
52	93053	Clamp - Fuel Pipe
53	93851	Retainer - E-Ring
54	394396	Crank - Governor
55	66538	Elbow - Spark Plug
56	91540	Key - Pulley
57	61760	Key - Flywheel
58	220863	Washer
59	222773	Washer - Thrust
60	261363	Gear - Timing
61	393606	Seal Ass'y. and Retainer
63	230655	+Guide - Exhaust Valve
64	210940	+Seat - Exhaust Valve (Standard)
65	261463	+Seat - Intake Valve (Standard)
66	261559	Lower Bushing - Gov.
67	391115	Wire - Ground
68	230318	Connector - Fuel Pipe
69	92791	Washer - Lock Shakeproof
70	93722	Terminal - Spade
71	261528	Valve - Intake
72	261623	+Bearing - Cyclinder

*INC. IN GASKET SET - 394501
+SPECIAL TOOLS REQUIRED TO INSTALL

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

MUFFLER, AIR GUIDE AND HOUSING GROUP

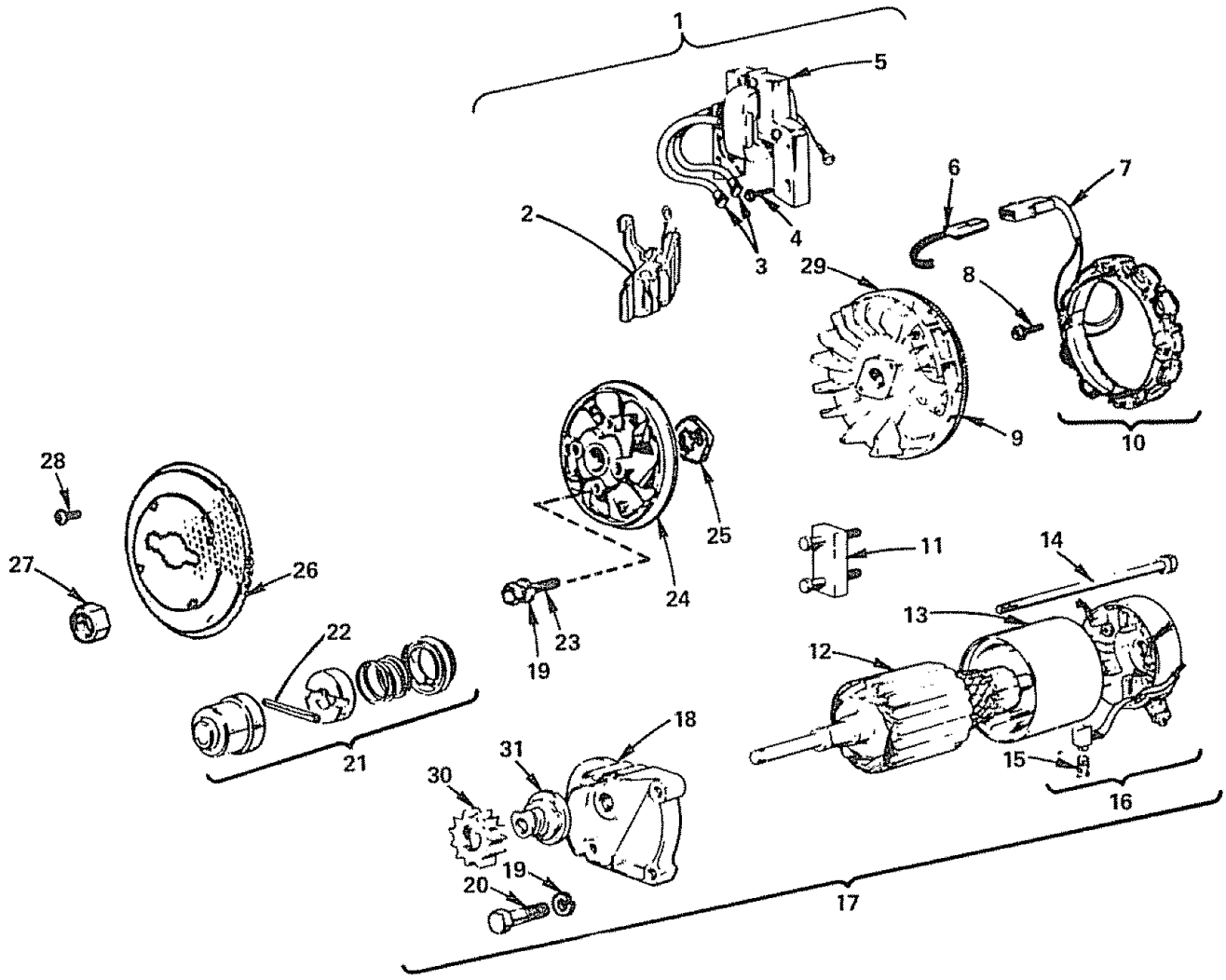


KEY NO.	PART NO.	DESCRIPTION
1	222848	Cover - Air Guide
2	222849	Cover - Air Guide
3	93163	Screw - Sem
4	392681	Housing - Blower
5	93158	Screw - Sem
6	222846	Shield - Cylinder
7	222847	Shield - Cylinder
8	93777	Screw - Hex Hd. (Back Plate to Cylinder)
9	392934	Back Plate Ass'y.

REPAIR PARTS

SEARS GTV 16 TWIN--MODEL NUMBER 917.253724
ENGINE--MODEL NUMBER 402417, TYPE NUMBER 0676-01

STARTER MOTOR GROUP



KEY NO.	PART NO.	DESCRIPTION
1	394891	Armature Group (Inc. Key No's. 2, 3, 4 and 5)
2	394970	Trigger Coil Ass'y - Magnatron Ignition
3	221798	Terminal - Ignition Cable
4	93381	Screw - Armature Mtg. Sem
5	394988	Armature Assembly
6	393362	Alternator Harness Ass'y.
7	393456	Diode and Connector Ass'y.
8	93621	Screw - Sem
9	391362	Gear - Flywheel Ring (Inc. Mtg. Parts)
10	393474	Stator - Alternator (Inc. Key No. 7)
11	19203	Puller - Flywheel (Optional Equipment)
12	390837	Armature Assembly
13	392744	Housing Assembly
14	93933	Thru Bolt
15	391705	Brush Set
16	394674	Commutator End Cap Ass'y. (Inc. Key No. 15)
17	393017	Motor - Starting (Inc. Key No's. 12 thru 15, 16, 18, 19, 20, 30 and 31)
18	394429	Drive End Cap Ass'y. - Starter
19	90366	Lockwasher
20	91162	Screw - Hex Hd. 5/16 - 18 x 1 - 1/2
21	393254	Kit - Pinion Spring (Inc. Key No. 22)
22	93754	Roll Pin
23	92674	Screw - Hex Hd.
24	212418	Fan - Booster
25	22906	Lock - Flywheel Nut
26	223008	Screw - Rotating
27	231247	Nut - Hex
28	93808	Screw - Sem
29	392956	Flywheel and Ring Gear Ass'y. - Magneto
30	280104	Gear - Starter
31	391135	Clutch Ass'y. - Starter

SERVICE NOTES

SERVICE NOTES

8630J-1.12.81
Printed in U.S.A.

Sears

OWNERS MANUAL

MODEL NO. 917.253724

HOW TO ORDER REPAIR PARTS

GTV 16 TWIN VARIDRIVE GARDEN TRACTOR

The Model Number will be found on the Model Plate attached to the top right side of Drawbar. Always mention the Model Number when requesting service or 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".

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