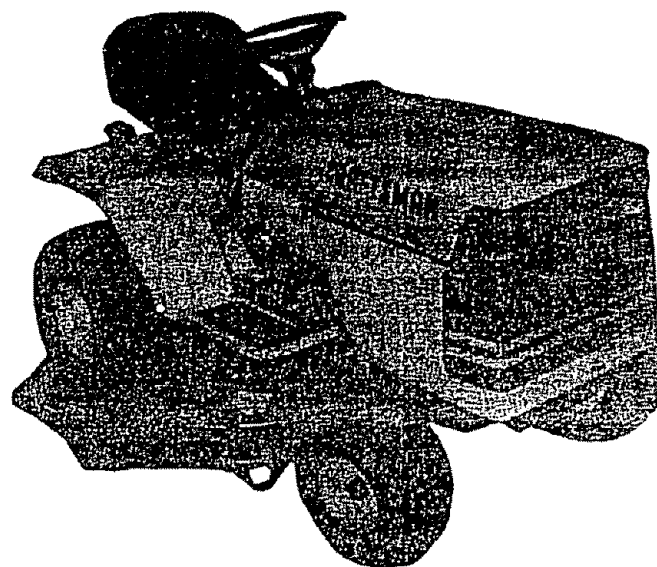


SEARS
OWNERS
MANUAL

MODEL NO.
917.254710

Caution:
Read and Follow
All Safety Rules
And Instructions
Before Operating
This Equipment



CRAFTSMAN
YT 14 TWIN CYLINDER
5 SPEED - 38" MOWER
YARD TRACTOR

- *Assembly*
- *Operation*
- *Maintenance*
- *Repair and Adjustment*
- *Repair Parts*

SAFETY RULES

- 1 Know the controls and how to stop quickly. READ THIS OPERATOR'S MANUAL and instructions furnished with attachments.
- 2 Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
- 3 Do not carry passengers. Do not mow when children and others are around.
- 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. Do not 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 operator's left hand side.
- 8 Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
- 9 Disengage all attachment clutches 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 repair. Be careful to avoid touching hot muffler or engine components.
- 12 Disengage power to attachments when transporting or not in use.
- 13 Take all possible precautions when leaving the vehicle unattended. Disengage the power-take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine and remove 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. Refer to page 51.
- 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, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
- 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. Keep away from drop-offs.
- 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 objects.
- 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 fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill tank indoors. Always clean 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 and working.
- 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 adjustments; 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 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. Shut the engine off when unclogging chute.
 - c. Check the blade mounting bolts for proper tightness at frequent intervals.
- 36 Do not operate the mower without the deflector shield in place.
- 37 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.
- 38 Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.



CAUTION:

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

LOOK FOR THIS WORD TO POINT OUT IMPORTANT EQUIPMENT PRECAUTIONS.



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 Refer to Repair Parts Section (Page 34)

CONGRATULATIONS on your purchase of a Sears 14HP Yard Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. See the nearest Sears store or Service Center for details.

CUSTOMER RESPONSIBILITIES

Read and retain this manual. Study and observe the safety rules. Always use care when using your tractor. Always keep your tractor and mower clean. Follow a regular schedule in maintaining, caring for, and using your tractor. A well cared for tractor will run better and last longer.

ATTACHMENTS

This unit can use many attachments now available at your Sears store. It can use a tiller, but cannot use other attachments that engage the ground like a plow, harrow, or cultivator. See page 50 for a list of available attachments.

SERIAL NUMBER _____
DATE OF PURCHASE _____
THE SERIAL NUMBER WILL BE FOUND ON THE MODEL PLATE UNDER THE SEAT.
YOU SHOULD RECORD THESE NUMBERS AND KEEP FOR FUTURE REFERENCE.

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two years from date of purchase, when this riding equipment is maintained, lubricated, and tuned up according to the operating and maintenance instruction in the owner's manual, Sears will repair free of charge any defect in material or workmanship in this electric start riding equipment.

This warranty excludes blade(s), blade adapter(s), spark plug(s), air cleaner and belt(s), which are expendable and become worn during normal use.

This warranty does not cover:

- Tire replacement or repair caused by punctures from outside objects (such as nails, thorns, stumps, or glass); and
- repairs necessary because of operator abuse or negligence, including the failure to maintain the equipment according to instructions contained in the owner's manual; and
- riding equipment used for commercial or rental purposes.

FULL 90-DAY WARRANTY ON BATTERY

For 90 days from the date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY CONTACTING THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES. This warranty applies only while this product is in use in the United States.

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

SEARS, ROEBUCK and CO., D/698-731A, Sears Tower, Chicago, IL 60684

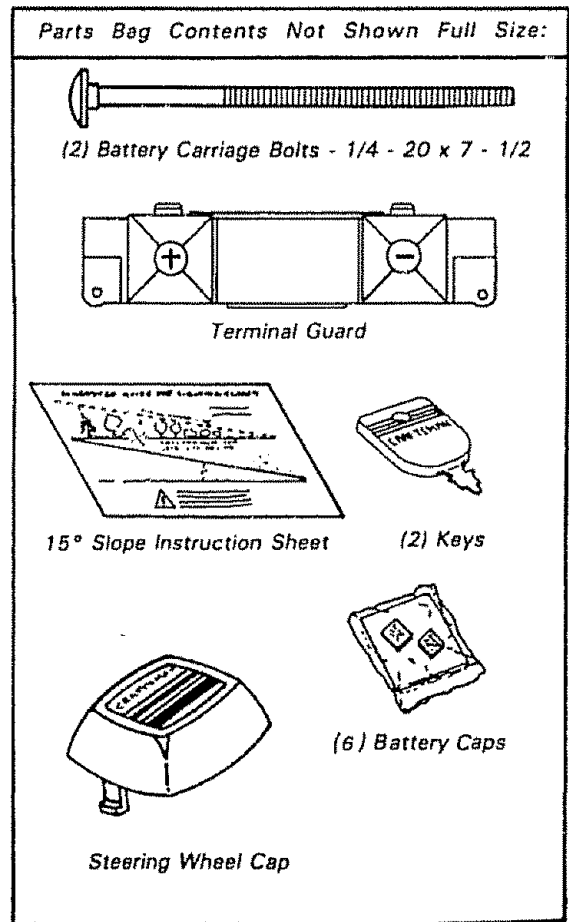
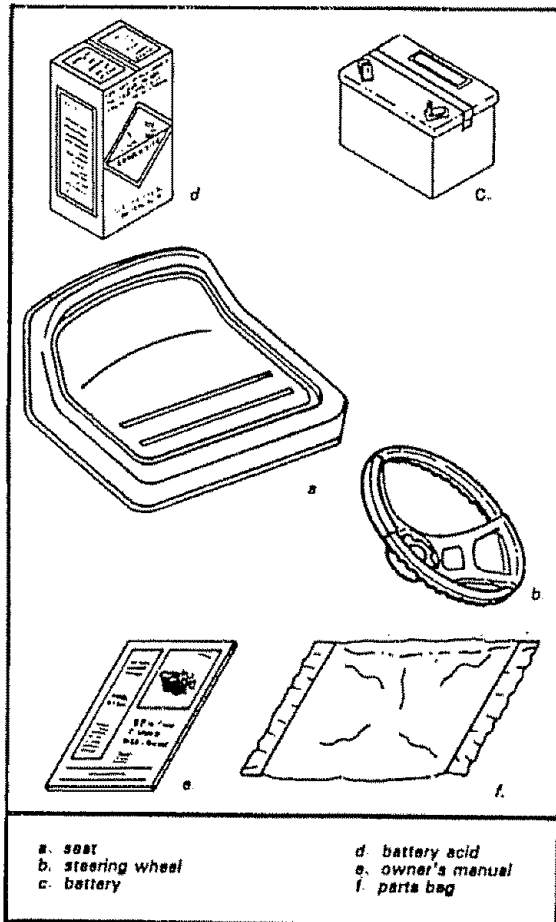
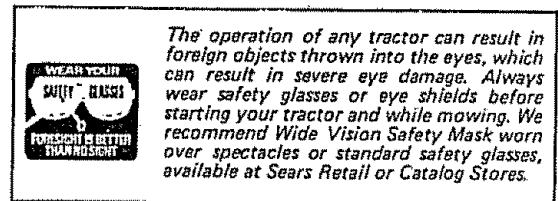
ASSEMBLY

Know Your Tractor






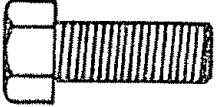

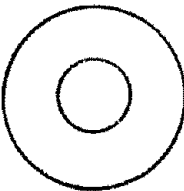
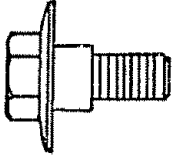
READ THIS OWNER'S MANUAL BEFORE OPERATING YOUR YARD TRACTOR. If you understand the machine and its operation, you will achieve efficient and peak performance. While reading the manual, compare the illustrations with your Yard Tractor to familiarize yourself with the location of various controls and adjustments. Study the operating instructions and safety precautions thoroughly to insure proper functioning of your Yard Tractor and to prevent injury to yourself and others. Be sure to pay strict attention to all notes and cautions; they are included for your safety. Save this manual for future reference.

Unpacking Instructions

1. Take items out of carton; the box contains the items shown below.
2. Cut down four corners of the carton with a utility knife and fold down sides.
3. Disengage Parking Brake.
4. Carefully guide the tractor backwards off the skid. Be careful of staples in skid.



ASSEMBLY

ASSEMBLY LOCATION	PARTS BAG CONTENTS SHOWN FULL SIZE
BATTERY	 <p>(2) Wing Nut - 1/4 - 20</p>
BATTERY TERMINALS	 <p>(2) Hex Bolt, 1/4 - 20 x 3/4</p>  <p>(2) Lockwasher 1/4</p>  <p>(2) Washer 9/32 x 5/8 x 16 Ga.</p>  <p>(2) Hex Nut, 1/4 - 20</p>
SEAT	 <p>(1) Hex Bolt, 1/2 - 13 x 1</p>  <p>(1) Lockwasher, 1/2</p>  <p>(2) Washer, 17/32 x 1-3/16 x 12 Ga.</p>  <p>(1) Shoulder Bolt</p>

To assemble and adjust your tractor you will need:

- | | |
|--------------------|---------------------|
| (2) 7/16" wrenches | Tire Pressure Gauge |
| (1) 9/16" wrench | Screwdriver |
| (1) 1/2" wrench | Utility Knife |
| (1) 3/4" wrench | Ratchet Wrench |
| (1) 3/4" socket | |

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

WEAR EYE AND FACE SHIELD.

WASH HANDS OR CLOTHING IMMEDIATELY IF ACCIDENTALLY IN CONTACT WITH BATTERY ACID.

DO NOT SMOKE; FUMES FROM CHARGED BATTERY ACID ARE EXPLOSIVE.

READ THE INSTRUCTIONS INCLUDED WITH THE BATTERY VENT CAPS IN THE BAG OF PARTS. ALWAYS WEAR GLOVES, CLOTHING AND GOGGLES TO PROTECT YOUR HANDS, SKIN AND EYES.

1. Prepare Battery

- a. Fill and charge battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED IN BAG OF PARTS.
- b. Fill each cell with battery acid. Add the acid until it reaches the bottom of the vent wells (Fig. 1). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.
- c. Allow battery to stand and settle for at least thirty minutes. If the level of acid falls below the point described in step (b), add more acid until the correct level is reached. NOTE: UNEVEN FILLING OF CELLS WILL AFFECT THE BATTERY CAPACITY AND LIFE. Install the battery caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- d. Check battery case for leakage to make sure that no damage has occurred in handling.
- e. It is recommended that the battery be charged before use. Use a 12 volt battery charger. Charge battery at a rate of 6 amperes for 1 hour. NOTE: OBSERVE ALL SAFETY PRECAUTIONS REQUIRED FOR BATTERY CHARGING. Check the acid level after the battery is charged. If the acid has fallen below the correct level, add water.
- f. Neutralize excess battery acid 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.

ASSEMBLY

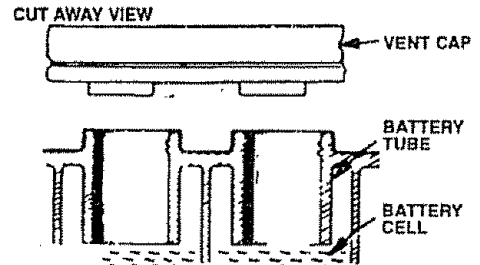


FIGURE 1

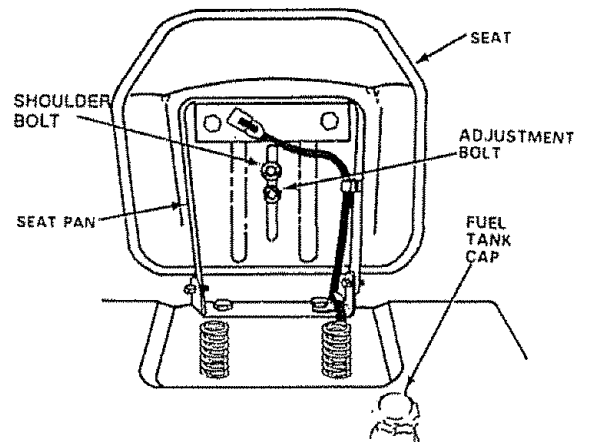


FIGURE 2

2. Install Seat

- a. Place seat on seat pan. Screw adjustment bolt, shoulder bolt, lockwasher and flat washer into seat (fig. 2). Bolts, lockwasher and flat washer found in bag of parts. Tighten shoulder bolt securely using a 1/2" wrench. Tighten adjustment bolt finger tight. NOTE: THE SHOULDER BOLT WILL BE LOOSE IN THE SEAT PAN SLOT
- b. Place seat in operating position. Sit on the seat and press clutch/brake pedal all the way down. If operating position is not comfortable, adjust seat.
- c. To adjust, raise seat. Loosen adjustment bolt (Fig. 2) and slide seat to a comfortable operating position. Tighten adjustment bolt securely using a 3/4" wrench.

ASSEMBLY

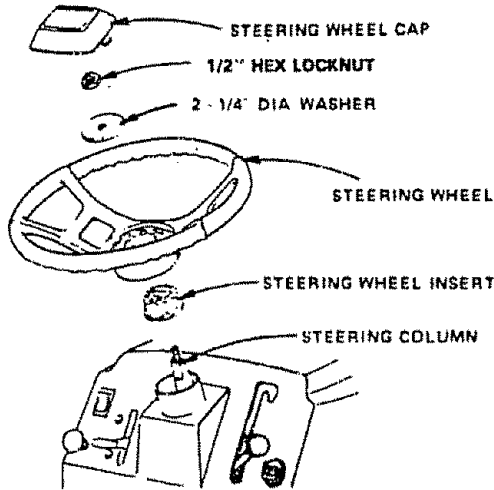


FIGURE 3

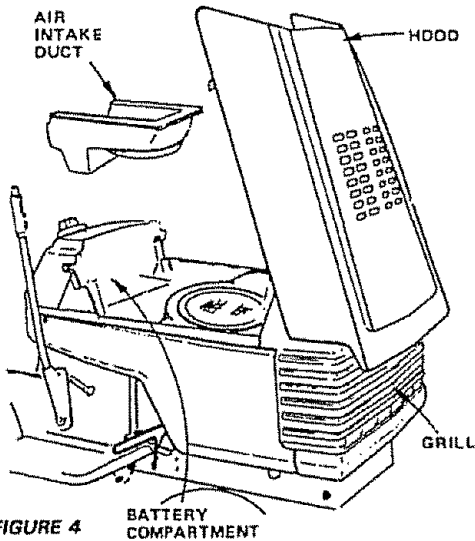


FIGURE 4

BATTERY COMPARTMENT

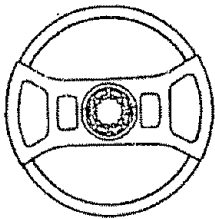
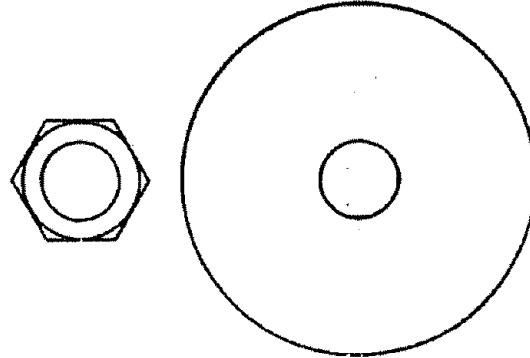


FIGURE 4A

3. Install Steering Wheel

NOTE: POSITION FRONT WHEEL FORWARD.

- a. Use a 3/4" wrench to remove hex nut, and 2 - 1/4" diameter washer (shown full size below) from steering column (Fig. 3).



- b. Position steering wheel over steering wheel insert.
- c. Secure steering wheel to steering column using 2-1/4" diameter washer and hex nut (Fig. 3). Torque to 50 ft - lbs.
- d. Snap steering wheel cap in place on steering wheel. Steering wheel cap found in bag of parts.

4. Check Tires

Reduce tire pressure to 14 PSI in front tires and 12 PSI in rear tires. (Tires were over inflated for shipping purposes).

5. Install Battery

DO NOT SHORT BATTERY TERMINALS.



BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC.

- a. Lift hood from rear sides (Fig. 4).
- b. Lift out air intake duct.
- c. Make sure drain tube (Fig. 5) is fastened to drain hole in battery tray and battery tray is positioned in hole of battery support.
- d. Place battery in plastic tray (battery terminals to front of tractor) (Fig. 5).



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

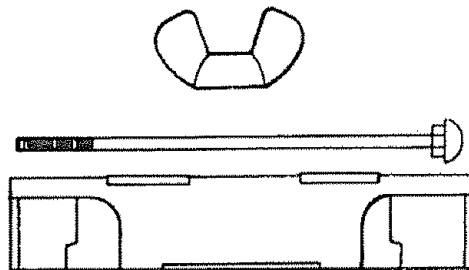
ASSEMBLY

- e. Connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lockwasher and hex nut (shown full size below) found in bag of parts (Fig. 5). Tighten securely.
- f. Connect BLACK ground cable to negative (-) battery terminal with remaining hex bolt, flat washer, lockwasher and hex nut (shown full size below) found in bag of parts (Fig. 5). Tighten securely.



NOTE: IF YOU HAVE A WEAK BATTERY, SEE "STARTING YOUR TRACTOR WITH A WEAK BATTERY" (PAGE 21).

- g. Using the slotted hole on one side of the battery support (Fig. 6) insert one battery bolt into frame slot (head of bolt down). Fasten the battery bolt to the terminal guard using wing nut. (Bolts, nuts and terminal guard found in bag of parts)
- h. Assemble the remaining bolt to other side of battery support and fasten terminal guard to it with remaining wing nut (shown full size below). Tighten wing nuts securely by hand (Fig. 6).



- i. Replace air intake duct (Fig. 4). Make sure bottom lip of duct sits between battery and lip of battery tray.
- j. Remove plastic from tractor hood and close.

NOTE: USE TERMINAL ACCESS DOORS (FIG. 6) FOR:

1. INSPECTION FOR SECURE CONNECTIONS (TIGHTEN HARDWARE)
2. INSPECTION FOR CORROSION
3. TESTING BATTERY
4. JUMPING (IF REQUIRED)
5. CHARGING (IF REQUIRED)



KEEP TERMINAL ACCESS DOORS CLOSED WHEN NOT IN USE.

DO NOT START ENGINE UNTIL MOWER SUSPENSION BRACKET HAS BEEN RELEASED. SEE MOWER AND DRIVE BELT INSTALLATION.

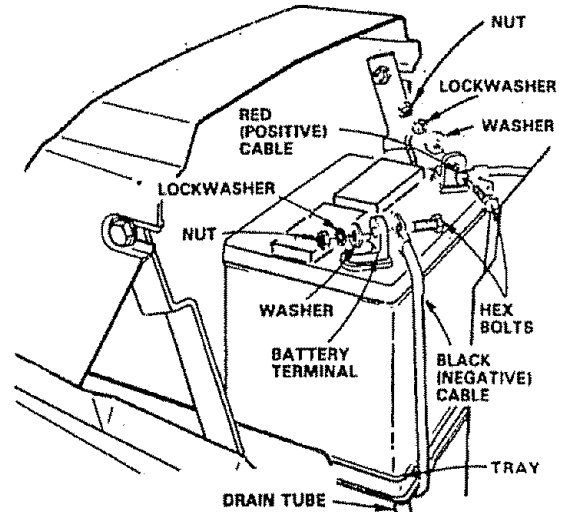


FIGURE 5

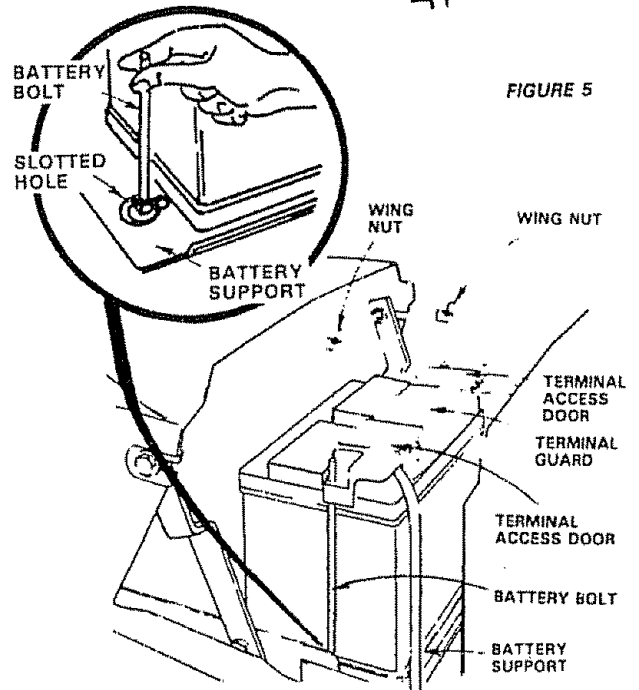


FIGURE 6

ASSEMBLY

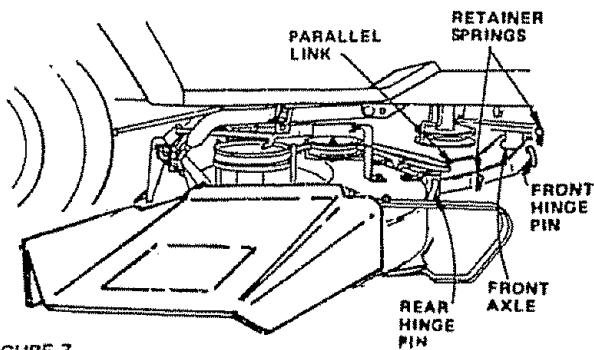


FIGURE 7

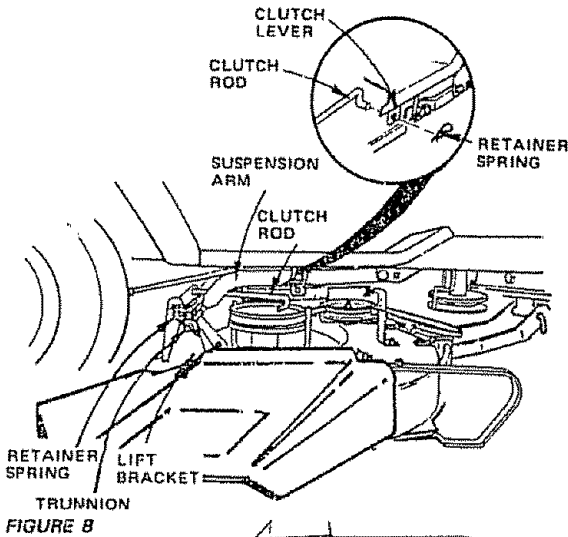


FIGURE 8

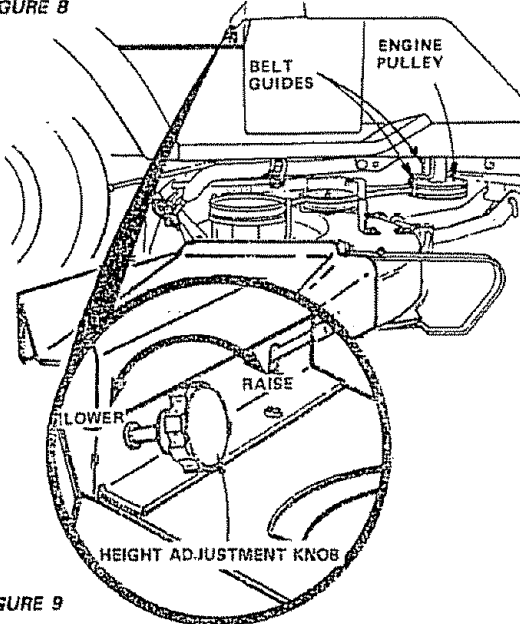


FIGURE 9

6. Mower Installation

Your 38" mower installs without the use of tools. Raise lift lever (Fig. 10) to its highest position. Turn height adjustment knob (Fig. 9) to its lowest position.

- Slide mower under tractor, discharge guard to R.H. side.
- Install front hinge pin through axle and parallel link (Fig. 7). Secure with retainer spring.
- Install rear hinge pin through mower lift brackets and parallel link (Fig. 7). Secure with retainer spring.
- Install clutch rod in clutch lever (Fig. 8 - Inset).
- Move lift lever forward to lower suspension arms. Slide trunnions through lift bracket holes and secure with retainer spring (Fig. 8).
- Roll belt over engine pulley. Make sure belt is inside belt guides (Fig. 9). See belt drive schematic decal on mower housing.
- Use lift lever (Fig. 10) to raise mower.
- Turn height adjustment knob (Fig. 9) clockwise (↻) to the middle of its travel.

7. Mower Drive Belt Removal

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL.

- Place attachment clutch lever in "DISENGAGED" position (Fig. 10).
- Turn height adjustment knob (Fig. 9) to lowest position. Move mower lift lever (Fig. 10) forward to lower mower to its lowest position.
- Roll belt off engine pulley (Fig. 11). Be careful not to bend the belt guides.
- Pull belt off both mandrels (Fig. 11).
- Spring belt guide away from idler pulley and pull belt off idler pulley.
- Slide belt from under idler spring.

8. Mower Drive Belt Replacement

- Slide belt under extension spring (Fig. 11).
- Place belt on rear side of both mandrels.
- Spring idler belt guide away from idler pulley and place belt around rear side of idler pulley.
- Roll belt over mower drive pulley. Make sure drive belt is inside mower drive pulley belt guides.

NOTE: BELT GUIDE TO BELT CLEARANCE SHOULD BE MAINTAINED AT 5/32 TO 1/4".

9. Mower Drive Belt Adjustment

Your tractor has been manufactured with the ability to re-adjust the mower drive belt to provide you with longer belt life.

If the attachment clutch lever (Fig. 10) travels 3-1/2" up the slot in the dash before spring tension resistance is evident, adjustment is necessary.

NOTE: CHECK FOR PROPER SPRING TENSION WITH ENGINE OFF AND LIFT LEVER IN HIGHEST POSITION.

- a. Lower or remove the mower deck for easier access.
- b. Using (2) 7/16" wrenches, remove the D-shaped washers from the rock shaft assembly (Fig. 11 - Inset).
- c. Move extension spring from lower end of slot to upper end in rock shaft assembly and install the D-shaped washers (Fig. 11 - Inset).
- d. Tighten bolt and nut to secure the D-shaped washers.

NOTE: WHEN INSTALLING A NEW BELT, EXTENSION SPRING MUST BE RETURNED TO THE LOWER END OF THE SLOT ON ROCK SHAFT ASSEMBLY.

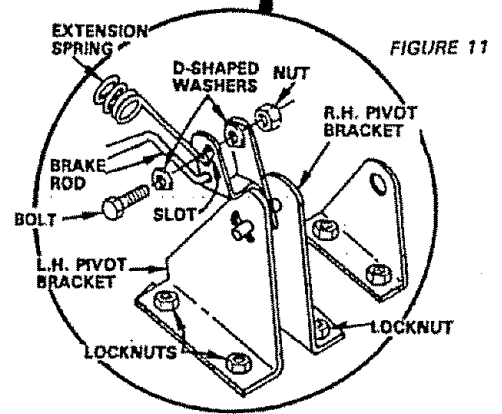
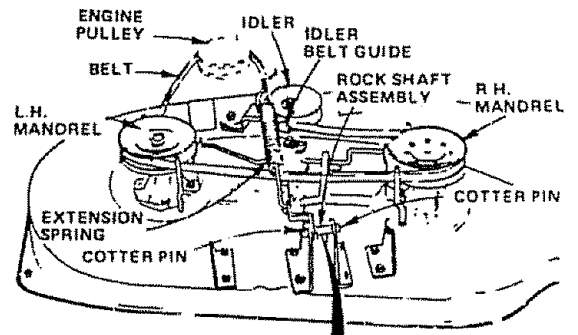
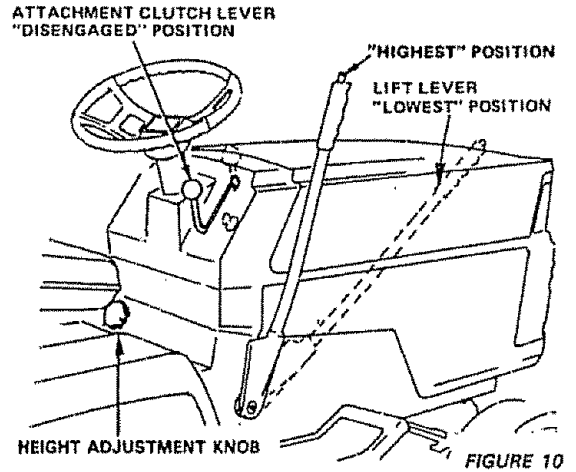
10. Check the Cutting Level

The blade housing was set at the factory to cut level. After mowing a short distance, look at the area that was cut. If the blade housing cuts uneven; see the instructions on "Side-to-Side and Front-to-Rear Mower Adjustment" (pages 24 and 25).

11. Final Assembly

- a. Make sure all fasteners are tight.
- b. Read and follow the operation instructions (page 12). Know the location and purpose of all controls.
- c. Check oil and gasoline (page 13) before starting the tractor.

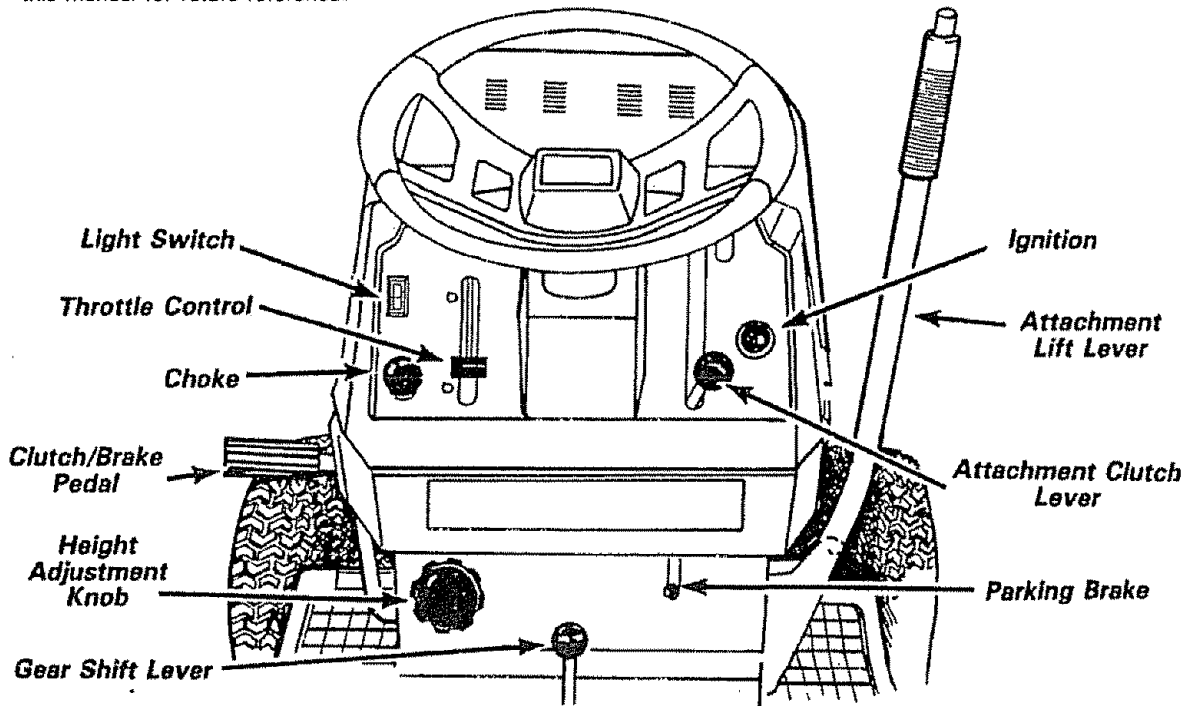
ASSEMBLY



OPERATION

KNOW YOUR TRACTOR

READ THIS OWNER'S MANUAL BEFORE OPERATING YOUR YARD TRACTOR. If you understand the machine and its operation, you will achieve efficient and peak performance. While reading the manual, compare the illustrations with your Yard Tractor to familiarize yourself with the location of various controls and adjustments. Study the operating instructions and safety precautions thoroughly to insure proper functioning of your Yard Tractor and to prevent injury to yourself and others. Be sure to pay strict attention to all notes and cautions; they are included for your safety. Save this manual for future reference.



ATTACHMENT CLUTCH LEVER: Push lever up to engage mower. There will be an engine hesitation as the clutch engages.

ATTACHMENT LIFT LEVER: Use the attachment lift lever to raise and lower the attachment mounted to your tractor. Move the lift lever forward to lower attachment.

CLUTCH/BRAKE PEDAL: The pedal has 2 functions: a clutch and a brake. To engage the brake push the pedal completely down.

HEIGHT ADJUSTMENT KNOB: Use the height adjustment knob to adjust the mower height. With the attachment lift lever in the "up" position, turn knob clockwise (↻) to raise cutting height and counterclockwise (↻) to lower cutting height. Lower Attachment lift lever.

GEARSHIFT: Press the clutch/brake pedal down firmly and move gear shift lever to desired speed.

IGNITION: Place key in ignition and turn to the right to start.

LIGHT SWITCH: Turns on and off the headlights.

PARKING BRAKE: To set the parking brake, push the clutch/brake pedal completely forward. Place the parking brake lever in "Engaged" position and release pressure from pedal. Clutch/brake pedal will remain in brake position. To release, push pedal in.

THROTTLE CONTROL: Use the throttle control to increase or decrease the speed of the engine.

CHOKE: To start a cold engine, pull choke out to engage.

1. Stopping Your Tractor



DO NOT CHOKE CARBURETOR TO STOP THE ENGINE.

NOTE: REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

- Push clutch/brake pedal into full "BRAKE" position.
- Move gear shift lever to "NEUTRAL" position.
- Place parking brake in "ENGAGED" position and release pressure from clutch/brake. Pedal should remain in "BRAKE" position. **NOTE: MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.**
- Place attachment clutch lever in "DISENGAGED" position.
- Move throttle control to "S" (slow) position.
- Turn ignition key to "OFF" position. Never use choke to stop engine.

2. Starting The Engine



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 MOWER BLADE CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE FOOT PEDAL IS NOT FULLY DEPRESSED. IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

- This engine has been shipped filled with summer weight oil. For cold weather operation, see chart on page 16. Check engine oil level with tractor on level ground. Remove and wipe dipstick (Fig. 17) clean, screw it in tight for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark is reached.
- Fill fuel tank. Use fresh, clean, regular UNLEADED automotive gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 3-1/2 gallons.

CAUTION: EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE

TO AVOID ENGINE PROBLEMS, THE FUEL SYSTEM SHOULD BE EMPTIED BEFORE STORAGE FOR 30 DAYS OR LONGER. DRAIN THE GAS TANK, START THE ENGINE AND LET IT RUN UNTIL THE FUEL LINES AND CARBURETOR ARE EMPTY. USE FRESH FUEL NEXT SEASON. SEE STORAGE INSTRUCTIONS FOR ADDITIONAL INFORMATION

NEVER USE ENGINE OR CARBURETOR CLEANER PRODUCTS IN THE FUEL TANK OR PERMANENT DAMAGE MAY OCCUR

OPERATION

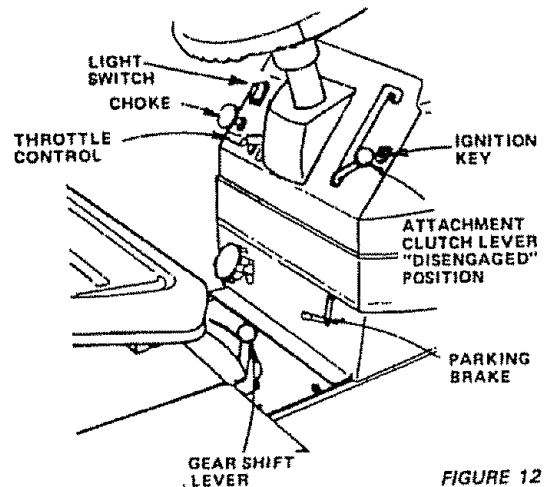


FIGURE 12



FILL TO BOTTOM OF GAS TANK FILLER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL. DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME.

- Place attachment clutch lever in "DISENGAGED" position (Fig. 12).
- Push clutch/brake pedal fully into brake position.
- Place gear shift lever in "NEUTRAL" position (Fig. 12).
- Pull choke out (Fig. 12).
- Move throttle control to middle position (Fig. 12).
- Turn ignition key clockwise (↻) to "START" position and release key as soon as engine starts. **NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If engine does not start after several attempts, move throttle control to "F" (fast) position, wait a few minutes and try again.**

NOTE: IF YOU HAVE A WEAK BATTERY, SEE "STARTING YOUR TRACTOR WITH A WEAK BATTERY" (PAGE 21)

- After engine is warm, push choke in. The first time you start the engine, it will take extra cranking time to move fuel from tank to the engine. **NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE ENGAGING CLUTCH OF TRACTOR OR ATTACHMENT.**
- When restarting a warm engine, move throttle control midway between "S" (slow) and "F" (fast) positions. Choke may not have to be used.

IMPORTANT: BEFORE DRIVING THE TRACTOR, INSTALL MOWER OR REMOVE MOWER PARALLEL LINK (Fig. 7).

OPERATION

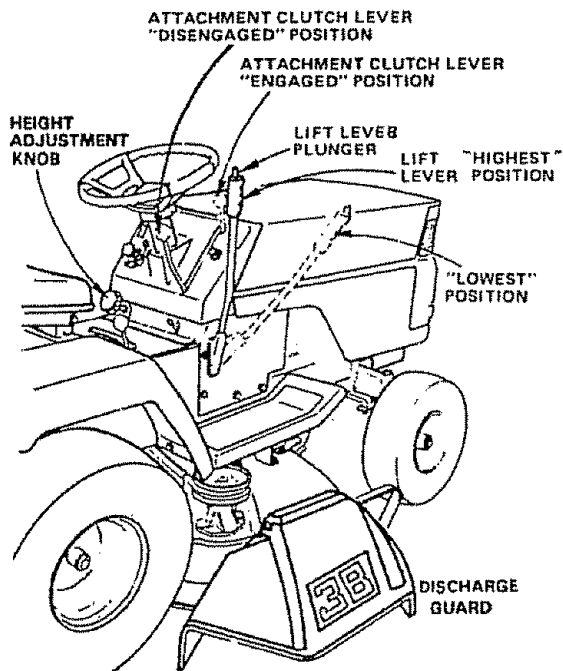


FIGURE 13

FUNCTION	GEARSHIFT	THROTTLE
Normal Mowing	2 or 3	
Heavy Mowing	1 or 2	
Snow Blade	1, 2 or 3	
Snow Blower or Tiller	1	FAST
Transport	3, 4 or 5	 SLOW-FAST

FIGURE 14

DO NOT ADD ADDITIONAL WEIGHT TO THE TRACTOR OTHER THAN THE CAUTION: OPTIONAL WHEEL WEIGHTS. EXCESSIVE WEIGHT MAY OVERLOAD AND DAMAGE THE TRANSMISSION.

3. Operating Your Tractor and Mower

NOTE: THIS TRACTOR IS EQUIPPED WITH AN OPERATOR PRESENCE SENSING SWITCH. ANY ATTEMPT BY THE OPERATOR TO LEAVE THE SEAT WITH THE ENGINE RUNNING AND THE ATTACHMENT CLUTCH ENGAGED WILL SHUT OFF THE ENGINE.

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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.

NOTE: ALWAYS OPERATE ENGINE AT FULL THROTTLE WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE AND PROPER DISCHARGE OF CUT MATERIAL. REGULATE GROUND SPEED BY SELECTING A LOW ENOUGH GEAR (FIG. 14) TO GIVE THE MOWER CUTTING PERFORMANCE PLUS QUALITY OF CUT DESIRED.



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

- Select desired height of cut position using height adjustment knob (Fig. 13).
- Raise lift lever and place attachment clutch lever in disengaged position.
- Push clutch/brake pedal down firmly.
- Start engine (page 13).
- With engine running and warm place throttle control midway between "S" (slow) and "F" (fast) position.
- Engage mower with the attachment clutch lever. NOTE: "ENGAGE" OR "DISENGAGE" MOWER BLADE CLUTCH LEVER SLOWLY.
- Move gear shift lever to desired gear.
- Lower mower into cutting position using attachment lift lever.
- Release clutch/brake pedal to start movement
- Move throttle control to "F" (fast) position.

NOTE: SELECT A GROUND SPEED THAT WILL SUIT THE TERRAIN, QUALITY OF CUT AND ATTACHMENT BEING USED. (See Chart, Fig. 14).



NEVER RUN THE ENGINE WITHOUT AIR INTAKE DUCT INSTALLED (FIG 4). MAKE SURE BOTTOM LIP OF AIR INTAKE DUCT SITS BETWEEN BATTERY AND LIP OF BATTERY TRAY.

4. Mowing Tips

NOTE: TIRE CHAINS CANNOT BE USED WITH THE MOWER HOUSING ATTACHED.



READ THE "SAFETY RULES" CAREFULLY BEFORE OPERATING YOUR MOWER. REFER TO PAGE 2.

- a. Use the runner on the R.H. side as a guide; the blade cuts approximately an inch outside the runner (Fig. 15).
- b. Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- c. When mowing large areas (Fig. 16), start by turning to the right so that the clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished.
- d. If grass is extremely tall, it should be mowed twice. The first time cut relatively high; the second time to the desired height.
- e. The left hand side of mower should be used for trimming.

5. Operating The Tractor On Hills



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 51.

- a. Move gear shift lever to "1ST" gear before starting up or down hills.
- b. AVOID STOPPING OR SHIFTING ON HILLS.
- c. If slowing is necessary, move throttle 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.

- d. If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- e. To restart tractor movement, make sure tractor is in the lowest speed range (1st Gear) and that you have allowed room to roll slightly downhill. Depress clutch/brake fully. Disengage parking brake and release clutch/brake pedal SLOWLY to start tractor movement.
- f. Make all turns gradually.

OPERATION

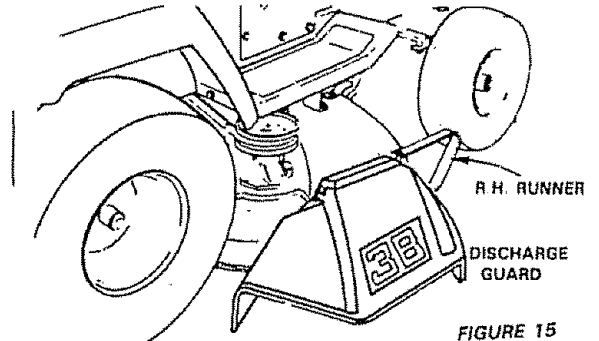


FIGURE 15

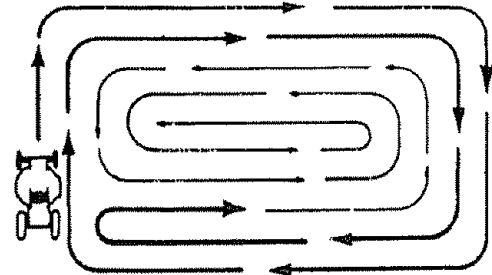


FIGURE 16

6. Flip-Up Discharge Guard

Your mower has a flip-up discharge guard (Fig. 15) for door or gate clearance when held in raised position.



MAKE SURE ATTACHMENT CLUTCH LEVER IS IN "DISENGAGED" POSITION AND BLADES HAVE STOPPED BEFORE RAISING DISCHARGE GUARD (DEFLECTOR). NEVER OPERATE MOWER WITHOUT DISCHARGE GUARD IN OPERATING POSITION.

MAINTENANCE

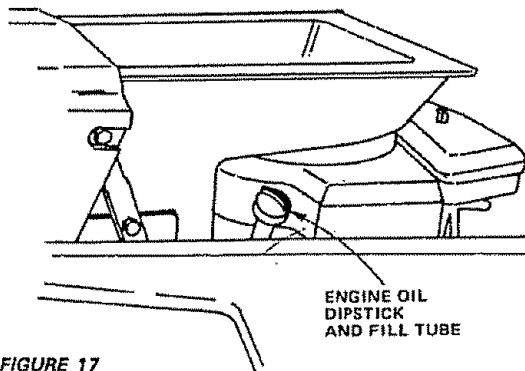


FIGURE 17

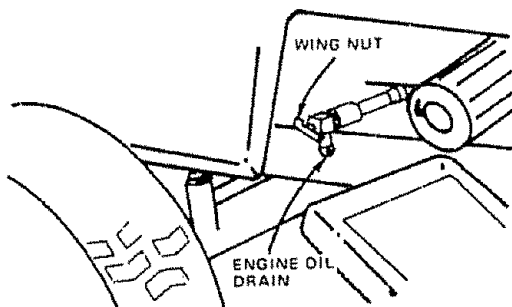


FIGURE 18

To keep your tractor running better, longer, perform necessary service using the following maintenance schedule:

BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR:

1. PUSH TRACTOR CLUTCH/BRAKE PEDAL COMPLETELY INTO "BRAKE" POSITION.
2. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION.
3. PLACE PARKING BRAKE IN "ENGAGED" POSITION. REMOVE FOOT FROM PEDAL.
4. PLACE ATTACHMENT CLUTCH LEVER IN "DISENGAGED" POSITION.
5. TURN IGNITION KEY TO "OFF" POSITION. SHUT OFF THE ENGINE.
6. MAKE ABSOLUTELY SURE THE BLADE AND ALL MOVING PARTS HAVE COMPLETELY STOPPED.
7. REMOVE THE IGNITION KEY.
8. DISCONNECT THE SPARK PLUG WIRES FROM THE SPARK PLUGS AND KEEP WIRES AWAY FROM THE PLUGS TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.



With Every Mowing

1. Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure.
2. Observe all safety precautions.
3. Keep tractor well lubricated (refer to page 20).

First 2 Hours (Two Mowings)

1. Change Engine Oil

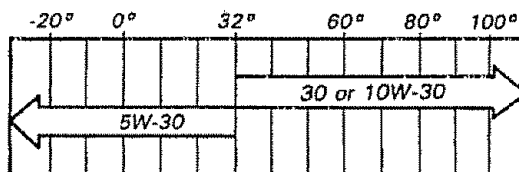
Changing oil after the first two hours (or two mowings) will help eliminate break-in residue which might be damaging to your engine.

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHANGING OIL.

- a. Drain oil with engine warm.
- b. Loosen oil drain wing nut (Fig. 18) and remove dipstick.
- c. Catch oil in a suitable container.
- d. Tighten oil drain wing nut.
- e. Refill engine oil. See oil chart, below. Refill capacity is 1-1/2 quarts. **NOTE: DO NOT OVERFILL.**
- f. Replace dipstick.

Recommended SAE Viscosity Grades

Determine temperature range expected before next oil change. All oil must meet A.P.I. service classification SD, SE or SF.



Capacity is 1-1/2 quarts. **NOTE: DO NOT OVERFILL.** Dipstick assembly must be securely tightened into tube at all times when engine is operating.

CAUTION: TO AVOID DAMAGE TO THE STARTING SYSTEM, USE SAE 5W30 OIL WHEN THE TEMPERATURE FALLS BELOW 32°.

Every 5 Hours (Five Mowings)

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, screw it down tight for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark is reached. (See chart above). **NOTE: DO NOT OVERFILL.**

MAINTENANCE

Every 25 Hours (Twice a Mowing Season)

1. Brake Adjustment

This tractor is equipped with an adjustable brake system mounted on the right side of the transaxle (Fig. 19).



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

IMPORTANT: PARKING BRAKE MUST BE DISENGAGED AND GEAR SHIFT LEVER IN NEUTRAL WHILE MAKING ADJUSTMENT.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-1/2", disengage parking brake, loosen jam nut (Fig. 19) and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against Nut "A".
- Engage parking brake and recheck distance. Road test tractor for proper stopping distance as stated above. Readjust if necessary.

2. Tire Care

Maintain tire pressure in front at 14 PSI and rear tires at 12 PSI.

3. Blade Sharpening

For best results mower blades must be kept sharp. The blades can be sharpened with a few strokes of a file or on a grinding wheel. We suggest they be sharpened after every 25 hours of mowing. Do not attempt to sharpen while on mower.

- When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before reinstallation on mower. Unbalanced or bent blade will cause excessive vibration when running, and eventual damage to mower or engine. Replace bent or damaged blades.
- To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of clean blade over the head of the nail (Fig. 20). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 20. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED. SHARPEN THE HEAVY END UNTIL BLADE IS BALANCED.

Every 50 Hours (Once a Mowing Season)

(Operating in dusty conditions may require more frequent servicing.)

1. Check Battery

- Acid solution level in each battery cell should be even with bottoms of tubes in cells (fig. 21). Add ONLY distilled water if necessary. NOTE: DO NOT OVERFILL.
- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small vent holes in caps open.
- Recharge at 6 amperes for 1 hour.

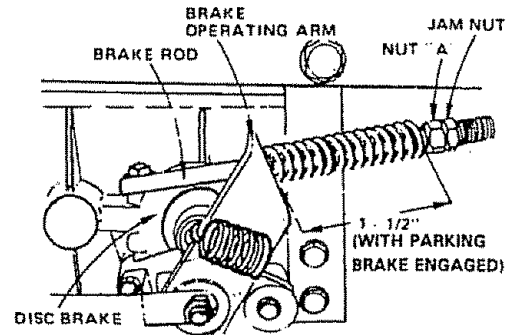


FIGURE 19

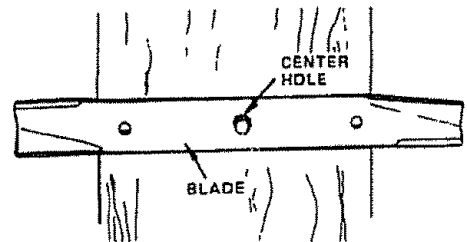


FIGURE 20

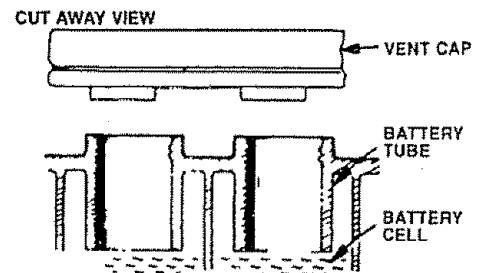


FIGURE 21

MAINTENANCE

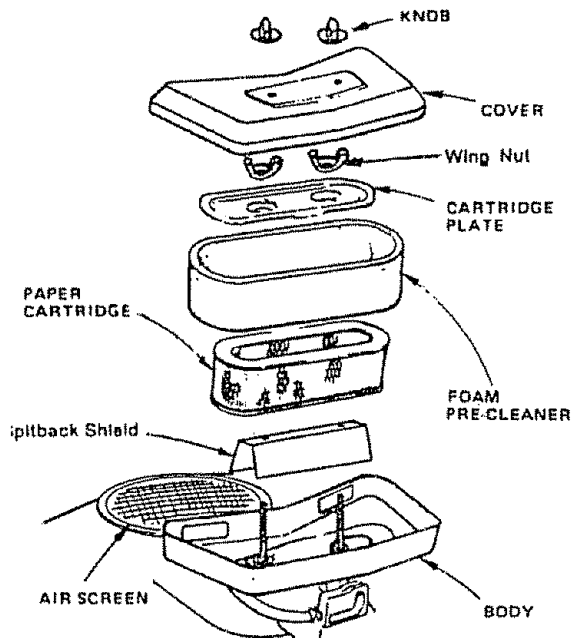


FIGURE 22

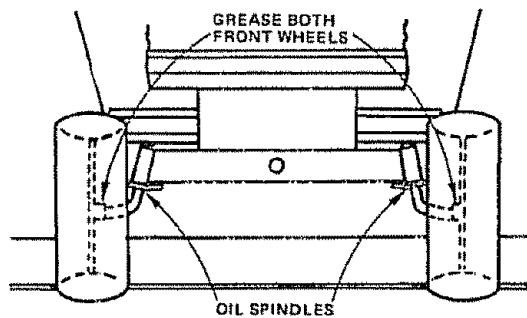


FIGURE 23

2. Clean Battery and Terminals

Corrosion and dirt on the battery and terminals cause the battery to "leak" power.



LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS SHIELD YOUR EYES AROUND BATTERIES.

- a. Remove terminal guard.
- b. Disconnect BLACK battery cable then RED battery cable and remove battery from tractor.
- c. Wash battery with four tablespoons of baking soda to one gallon of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS.
- d. Rinse the battery with plain water, dry and reinstall on tractor.
- e. Clean terminals and battery cable ends with wire brush until bright.
- f. Replace battery cables, connecting RED battery cable to positive terminal first, then BLACK battery cable to negative terminal. Coat terminal connections with Vaseline.
- g. Replace terminal guard.

3. Change Engine Oil

The best time to change engine oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot oil. See chart, page 16.

4. Clean Air Cleaner Foam Pre-Cleaner (Fig. 22)

- a. Remove knobs and cover.
- b. Remove foam pre-cleaner element by sliding it off of the paper cartridge.
- c. Wash foam pre-cleaner in liquid detergent and water.
- d. Wrap foam pre-cleaner in cloth and squeeze dry.
- e. Lightly coat foam pre-cleaner with engine oil. Squeeze in towel to remove excess oil. Do not saturate.
- f. Install foam pre-cleaner over paper cartridge.
- g. Reassemble cover and screw down tight.

5. Clean Air Screen

Air screen (Fig. 22) must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt, stubborn dried gum fibers.

6. Check Muffler

Inspect and replace corroded muffler as it could create a fire hazard and/or damage.



DO NOT TOUCH HOT MUFFLER, CYLINDER OR FINS AS CONTACT MAY CAUSE BURNS.

7. Lubricate Steering And Front Wheels

There is a grease fitting on each front wheel. Use a grease gun to give each grease fitting two shots of extreme pressure lubricating grease Amdex No. 1 or equivalent (available through your Sears Service Center). Use 30 weight oil to lubricate front spindles (Fig. 23).

8. Oil Pivot Points

Place several drops of SAE 30 oil at points where parts move against each other, especially:

- a. Front wheel spindles.
- b. Hood hinges.
- c. Foot pedal shaft (both ends).
- d. Lift shaft (both ends).

SEE LUBRICATION CHART, PAGE 20.



DISCONNECT SPARK PLUG WIRE(S) TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR). BE CAREFUL TO AVOID TOUCHING HOT ENGINE COMPONENTS.

9. Clean Engine Cooling Fins

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating. Air guide covers must be removed. (Fig. 24)
Remove eight 7/16" bolts and six 5/16" bolts to remove side and top covers. See hood removal, page 23.

Every 100 Hours

1. Replace Spark Plugs

Replace spark plugs at the beginning of each mowing season or every 100 hours, whichever comes first. Gap should be set at 0.030 inch (Fig. 25). A deep well 13/16" socket is required to remove the spark plug.

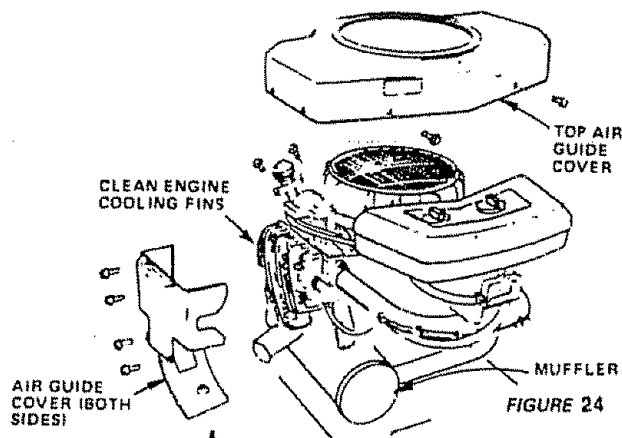


FIGURE 24

MAINTENANCE

2. Replace Air Cleaner Paper Cartridge

(Refer to Page 18).

3. Replace In-Line Fuel Filter

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

- a. With engine cool, remove filter and plug fuel line sections as removed from both ends of fuel filter (Fig. 26).
- b. Place new fuel filter in position in fuel line.



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

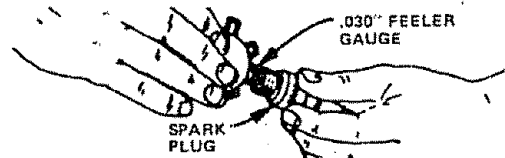


FIGURE 25

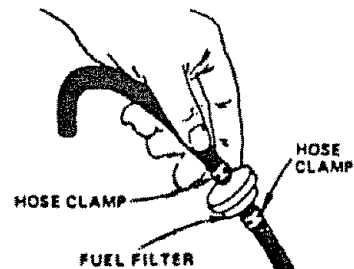
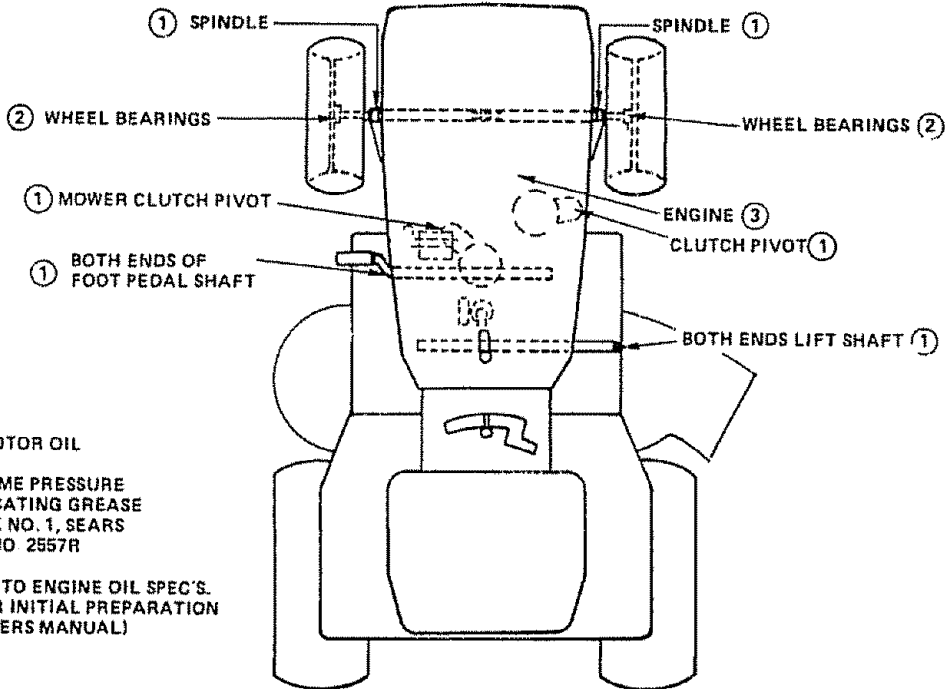


FIGURE 26

MAINTENANCE

LUBRICATION CHART



- ① SAE MOTOR OIL
- ② EXTREME PRESSURE LUBRICATING GREASE AMDEX NO. 1, SEARS PART NO 2557R
- ③ REFER TO ENGINE OIL SPEC'S. (UNDER INITIAL PREPARATION IN OWNERS MANUAL)

REPAIR & ADJUSTMENT

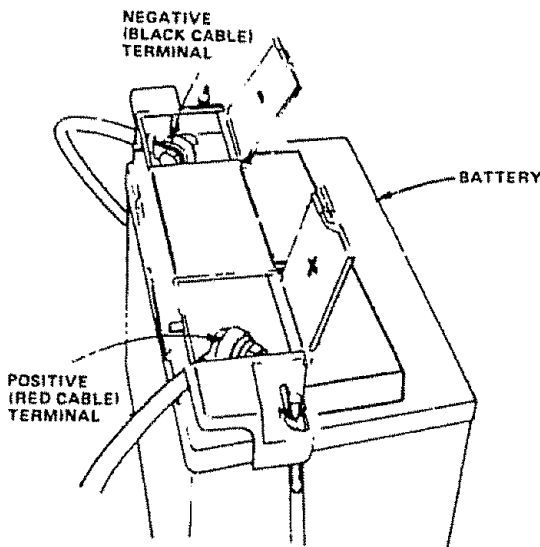


FIGURE 27

BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR:

1. PUSH TRACTOR CLUTCH/BRAKE PEDAL COMPLETELY INTO "BRAKE" POSITION.
2. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION.
3. PLACE PARKING BRAKE IN "ENGAGED" POSITION. REMOVE FOOT FROM PEDAL.
4. PLACE ATTACHMENT CLUTCH LEVER IN "DISENGAGED" POSITION.
5. TURN IGNITION KEY TO "OFF" POSITION. SHUT OFF THE ENGINE.
6. MAKE ABSOLUTELY SURE THE BLADE AND ALL MOVING PARTS HAVE COMPLETELY STOPPED.
7. REMOVE THE IGNITION KEY.
8. DISCONNECT THE SPARK PLUG WIRES FROM THE SPARK PLUGS AND KEEP WIRES AWAY FROM THE PLUGS TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.



REPAIR & ADJUSTMENT

1. Starting your Tractor With a Weak Battery

If your battery is too weak 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 WHEN AROUND BATTERIES.

- Connect each end of the RED cable to the POSITIVE (+) terminals of each battery (taking care not to short against chassis) (Fig. 27).
- Connect one end of the BLACK cable to the NEGATIVE (-) terminals of fully charged battery.
- Connect the other end of the cable to the L.H. side panel bolt (Fig. 28) NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.
- Disconnect cables in reverse order:
 - L.H. side panel bolt (Fig. 28).
 - Negative terminals of fully charged battery.
 - Positive terminals.

IMPORTANT: DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

2. Throttle Control Cable Adjustment

Never attempt to change maximum engine speed. This is preset at the factory (3600 ± 100 RPM) and should only be changed by a qualified service technician who has the necessary equipment.

- Remove hood, page 23.
- Loosen casing clamp screw until throttle cable is free to move.
- Move throttle control (on the dashboard) to "FAST" position.
- Pull throttle cable tight (until swivel beneath carburetor is against side of quarter circle). Retighten casing clamp screw.



REFER TO "STARTING THE ENGINE," PAGE 13.

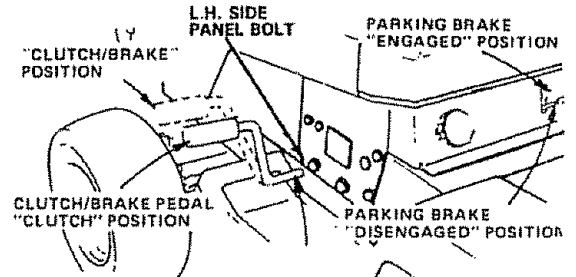


FIGURE 28

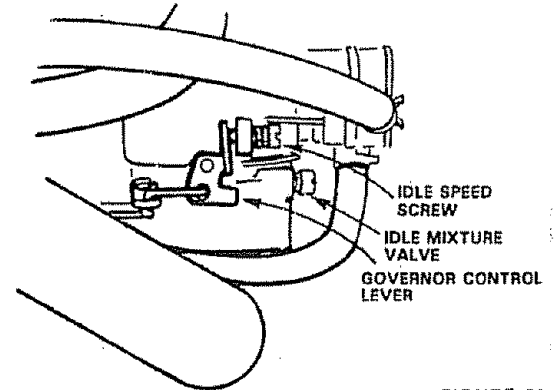


FIGURE 29

REPAIR & ADJUSTMENT

3. Carburetor Adjustment

NOTE: ADJUST THROTTLE CONTROL CABLE BEFORE MAKING ANY ADJUSTMENT TO CARBURETOR. AIR CLEANER MUST BE ASSEMBLED TO CARBURETOR WHEN RUNNING ENGINE.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature or altitude. Adjust the carburetor fuel mixture as follows:

- a. Gently turn idle mixture valve clockwise (↻) (Fig. 30) until it just closes and then counterclockwise (↺) 1-1/2 turns.
CAUTION: Valve may be damaged if turned in too far.
- b. Start engine and allow to warm for five minutes. Make final adjustments with engine running and choke pushed in.
- c. Move throttle control lever (on dashboard) to "SLOW" position.
- d. Hold governor control lever against idle speed screw, and adjust idle speed screw to obtain 1200 to 1400 RPM (Fig. 29).
- e. While still holding the governor control lever against idle speed screw, turn idle mixture valve slowly clockwise (↻) (lean mixture) until speed just starts to slow.
- f. Turn idle mixture valve back to the midpoint between rich and lean.
- g. Adjust the idle speed screw to obtain 900 to 1200 RPM. Release governor control lever.
- h. Move throttle control (on the dashboard) to "FAST." If engine hesitates or dies, turn idle mixture valve approximately 1/8 turn counterclockwise (↺) until engine will accelerate as throttle control is moved from "SLOW" to "FAST."

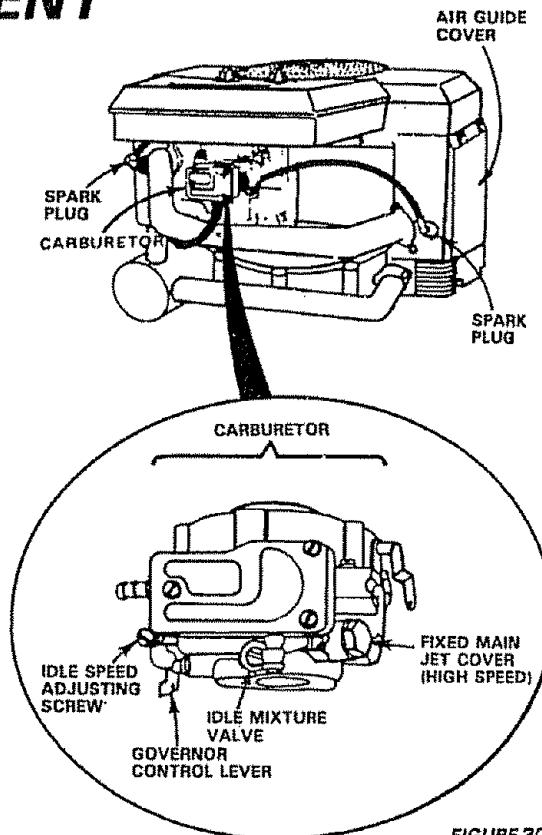
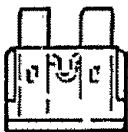


FIGURE 30

4. Fuse Replacement

Replace with 30 amp automotive-type plug-in fuse.



REPAIR & ADJUSTMENT

5. Motion Drive Belt Replacement

The tractor drive belt may be replaced without tools. Park the tractor on level area. Engage parking brake. NOTE: BELT INSTALLATION DECAL UNDER LEFT FOOTREST.

- a. Remove mower. (See page 24).
- b. Remove two retainer springs from belt guide bracket below transaxle pulley. Remove bracket (Fig. 31).
- c. Swing belt guides away from belt, toward rear of tractor (Fig. 31).
- d. Roll belt over top of transaxle pulley.
- e. Roll belt over engine pulley and off idler (Fig. 33).
- f. Release parking brake. Pull belt as far as possible over top of clutch pulley.
- g. Reset parking brake. Pull belt over top of clutch pulley (Fig. 33).
- h. Pull belt out through shift gate to remove from tractor (Fig. 32).

Install belt by reversing above procedure. NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.

6. Hood Removal

- a. Lift hood. Disconnect headlight wiring connection (Fig. 35).
- b. Unscrew one screw at rear of each side panel (Fig. 34).
- c. Pivot hood and side panel forward and lift off tractor (Fig. 35).
- d. To replace, reverse the above procedure.

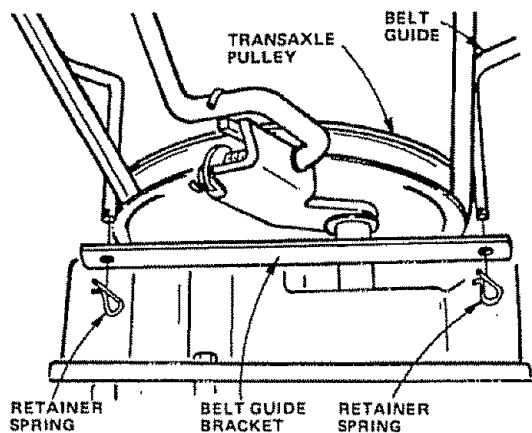


FIGURE 31

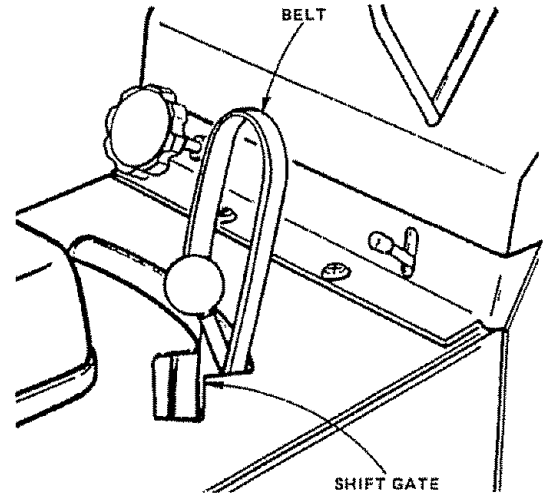
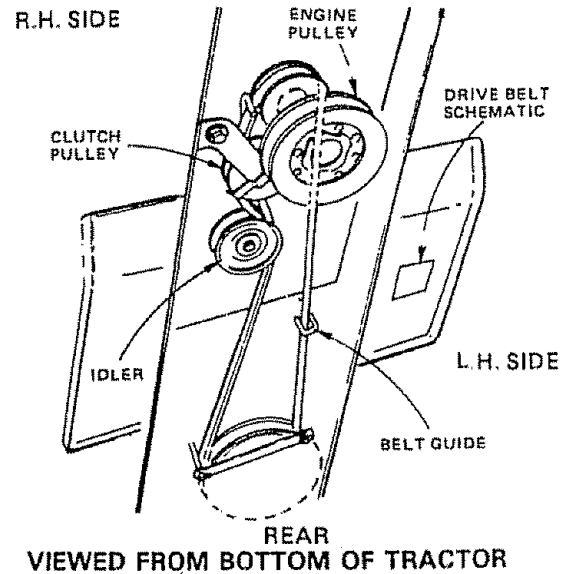


FIGURE 32



REAR VIEWED FROM BOTTOM OF TRACTOR

FIGURE 33

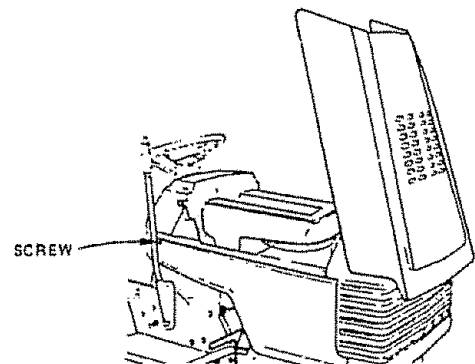


FIGURE 34

REPAIR & ADJUSTMENT

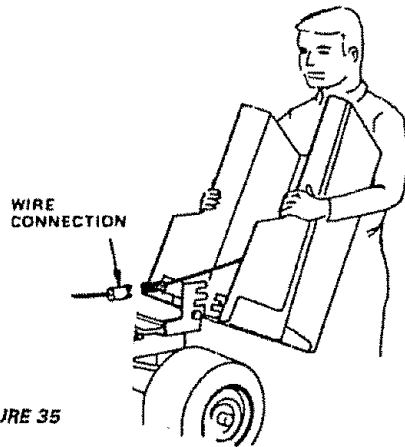


FIGURE 35

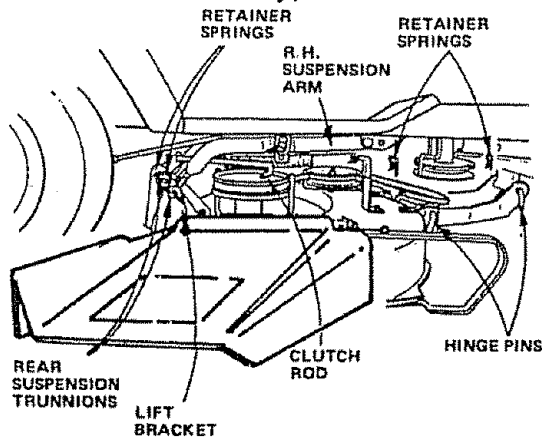


FIGURE 36

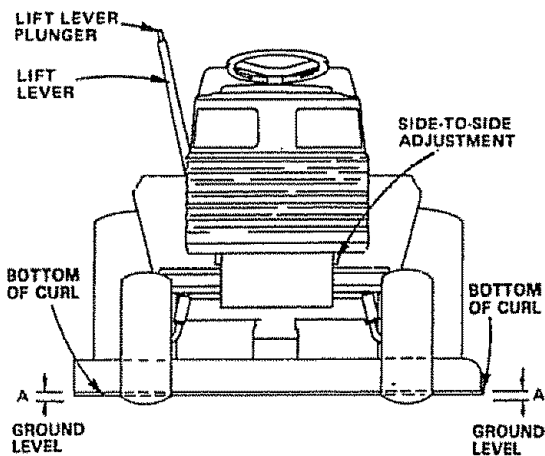


FIGURE 37

7. Mower Removal

- a. Remove mower belt per instructions under "Mower Drive Belt Removal" through step(c).
- b. Remove retainer spring from clutch rod; pull clutch rod out of clutch bracket.
- c. Pull retainer springs out of rear suspension trunnions. Remove rear suspension trunnions from lift brackets (Fig. 36).
- d. Pull retainer spring out of rear hinge pin. Remove rear hinge pin (Fig. 36).
- e. Pull retainer spring out of front hinge pin. Remove front hinge pin (Fig. 36).
- f. Use lift lever to raise suspension arms. Slide mower out from under tractor.

NOTE: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, THE L.H. AND R.H. SUSPENSION ARMS (FIG. 36) SHOULD BE REMOVED FROM TRACTOR.

8. Level Mower Housing

Adjust the mower while tractor is parked on level ground or driveway. Make sure tire pressures are 14 PSI in front tires and 12 PSI in rear tires. If tires are over or under inflated, you will not properly adjust your mower.

Side-to-Side Mower Adjustment

- a. Depress lift lever plunger and use lift lever to raise mower to maximum cutting height.
 - b. Measure height from bottom of curl to ground level at front of mower. Distance "A" should be the same on both sides of mower (Fig. 37).
 - c. If distance "A" needs to be changed, snap out access hole cover on L.H. side above footrest. Use 11/16" wrench on nuts "B" and "C" at side-to-side adjustment trunnion (Fig. 38).
 - d. To raise left side of mower, loosen nut "B" and tighten nut "C".
 - e. To lower left side of mower, loosen nut "C" and tighten nut "B".
- NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.
- f. Be sure all nuts are securely tightened.

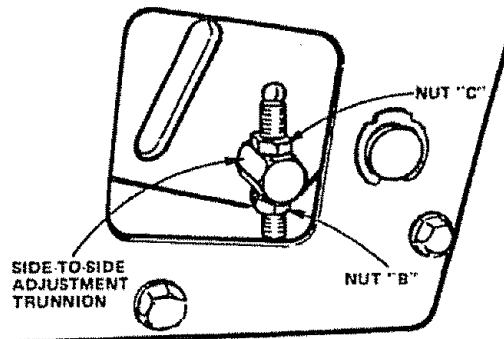


FIGURE 38

REPAIR & ADJUSTMENT

Front-To-Rear Mower Adjustment

- a. To obtain the best cutting results, your mower housing should be adjusted so the front and rear flange distance "D" (Fig. 39) is 1/2" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM GROUND LEVEL TO BOTTOM OF CURL ON RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT RIGHT FRONT FLANGE.
- b. To raise rear of mower, loosen nut "E" on both rear suspension arms. Screw both nuts "F" up an EQUAL NUMBER OF TURNS (Fig. 40).
- c. When distance "D" is 1/2" lower at front than rear, tighten nuts "E".
- d. To lower rear of mower, loosen nut "F" on both rear suspension arms an EQUAL NUMBER OF TURNS (Fig. 40).
- e. When distance "D" is 1/2" lower at front than rear, retighten nuts "E".

NOTE: WHEN ADJUSTING REAR SUSPENSION TRUNNIONS, ALWAYS ADJUST BOTH EQUALLY SO MOWER WILL STAY LEVEL.

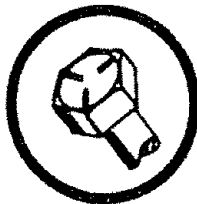
9. Blade Replacement

Raise mower to highest position to permit access to blades or remove mower (page 24).

- a. Remove bolt, lockwasher and washer (Fig. 41) (turn counterclockwise) (A).
- b. Remove and discard old blade.
- c. Clean top and bottom of mower housing.
- d. Place new blade between flanges, (the word "TOP" is stamped on all blades to assure proper installation), and secure with washer, lockwasher and bolt previously removed. TIGHTEN SECURELY. Torque to 30-35 ft. lbs.



ALWAYS USE GRADE 5 HEAT TREATED BOLTS TO ATTACH BLADES. CHECK BOLTS IN BLADES OCCASIONALLY TO MAKE SURE BOLTS ARE TIGHT. TORQUE BOLTS TO 30-35 FT. LBS.



A GRADE 5 HEAT TREATED BOLT CAN BE IDENTIFIED BY THREE LINES ON THE BOLT HEAD AS SHOWN AT LEFT.

10. Rear Wheel Installation

Coat axle with grease to prevent corrosion or rust accumulation and eventual seizing of wheel hub to axle shaft.



WHEN REPLACING WHEELS ON THE TRACTOR, THEY MUST BE MOUNTED WITH THE LONG HUB SIDE TOWARD THE CENTER OF THE TRACTOR. INCORRECT INSTALLATION COULD AFFECT LATERAL STABILITY. (SEE FIG.44).

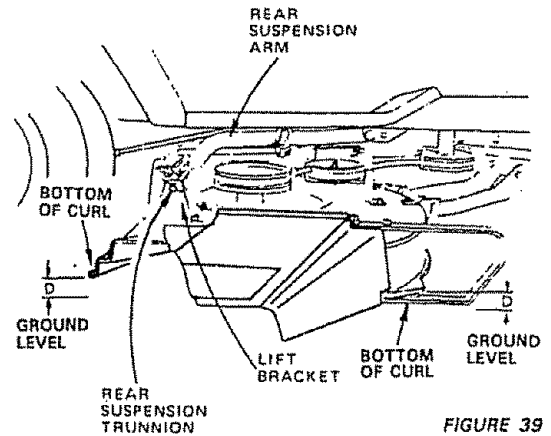


FIGURE 39

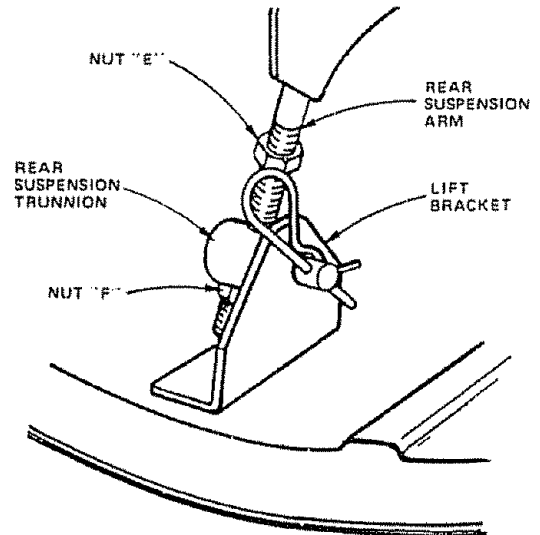
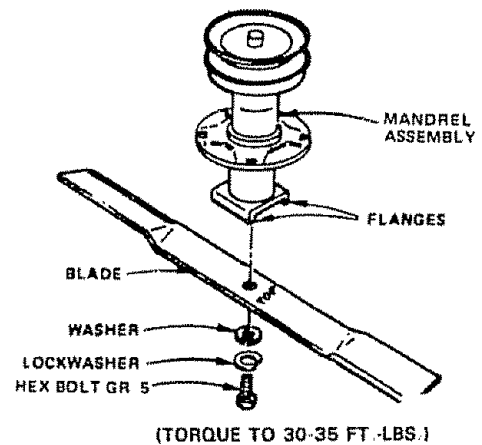


FIGURE 40




(TORQUE TO 30-35 FT.-LBS.)

FIGURE 41

REPAIR & ADJUSTMENT

11. Tire Care

- Maintain tire pressure of 14 PSI in front tires and 12 PSI in rear tires
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- Removing front wheel for tire repair (Fig. 42):
 - Block up front axle securely.
 - Remove hub cap, klip ring and washer to allow wheel removal.
 - Repair tire and reassemble. Replace washer and snap klip ring securely in axle groove. Replace hub cap.
- Removing rear wheel for tire repair (Fig. 43):
 - Block up rear axle securely.
 - Remove hub cap, E-ring and washer to allow wheel removal.
 - Repair tire and reassemble. While maintaining key position, replace washer and snap E-ring securely in axle groove. Replace hub cap.

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

D. Battery

- Prior to storage, clean terminals and top of battery.
- After a period of time in storage, battery may require recharging.

E. General Cleaning

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

F. Store in a Clean Dry Area

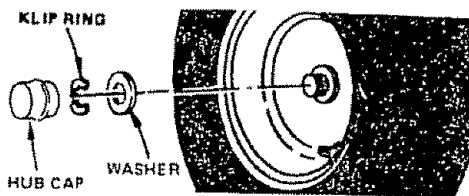


FIGURE 42

12. Storage

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Give blades and underside of housing a good coat of grease or rust preventative. Store in a clean dry area.

A. Fuel System

IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS THE CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE. TO AVOID ENGINE PROBLEMS, THE FUEL SYSTEM SHOULD BE EMPTIED BEFORE STORAGE FOR 30 DAYS OR LONGER.

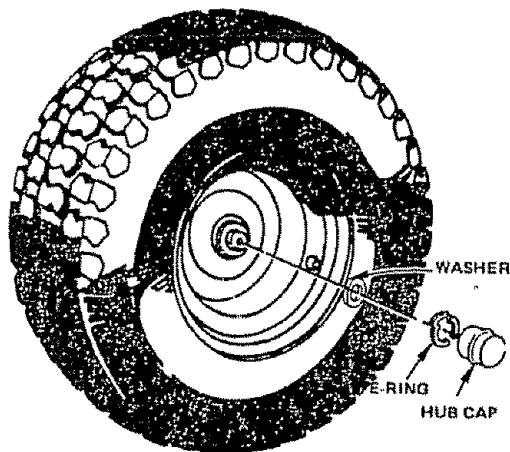


FIGURE 43

B. Engine Oil

Drain (with engine warm) and replace with clean engine oil. (See chart, page 16).

C. Cylinders

- Remove spark plugs.
- Pour one ounce of oil through spark plug holes into cylinders.
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new spark plugs.

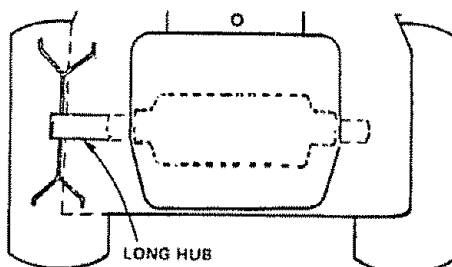


FIGURE 44

TROUBLESHOOTING

PROBLEM	CAUSE / REMEDY (SEE INDEX)
WILL NOT START	<p><i>Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary). Replace Fuel Filter. Use Fresh Fuel</i></p> <p><i>Recharge or replace Battery</i></p> <p><i>Check Wiring</i></p> <p><i>Replace Spark Plug(s) and adjust gap</i></p> <p><i>Drain and replace oil for proper temperature</i></p>
WILL NOT TURN OVER	<p><i>Push Clutch/Brake Pedal into brake position</i></p> <p><i>Charge or replace Battery</i></p> <p><i>Move Attachment Clutch Lever to "DISENGAGED" position</i></p> <p><i>Replace Ignition Switch</i></p> <p><i>Replace Interlock Switch(es)</i></p> <p><i>Replace Solenoid or Starter</i></p> <p><i>Replace Spark Plug(s)</i></p> <p><i>Replace Fuse</i></p> <p><i>Check all Wire Connections and "Ground" Points</i></p>
ENGINE CLICKS BUT WON'T START	<p><i>Clean Battery Terminals</i></p> <p><i>Replace Starter or Solenoid</i></p> <p><i>Charge or Replace Battery</i></p> <p><i>Check Wire Connections and "Ground" Points</i></p>
HARD TO START	<p><i>Place Throttle Control in "FAST" position and run starter several times to clear out gas</i></p> <p><i>Remove Air Filter and clean</i></p> <p><i>Replace Spark Plug(s) and adjust gap</i></p> <p><i>Recharge or replace Battery</i></p> <p><i>Check the Wiring</i></p> <p><i>Drain Fuel Tank and Carburetor. Use Fresh Fuel.</i></p> <p><i>Replace Fuel Filter</i></p> <p><i>Make necessary adjustments to Carburetor</i></p> <p><i>Major Engine Overhaul</i></p>
ENGINE MISSES OR LACKS POWER	<p><i>Shift to a lower gear or reduce load</i></p> <p><i>Drain Gas Tank and Carburetor. Use Fresh Fuel</i></p> <p><i>Remove and clean Air Cleaner</i></p> <p><i>Make necessary carburetor adjustments</i></p> <p><i>Clean Air Screen</i></p> <p><i>Add or change oil</i></p> <p><i>Replace Spark Plug(s) and adjust gap</i></p> <p><i>Replace Fuel Filter</i></p> <p><i>Major Engine Overhaul</i></p>
ENGINE OVERHEATS	<p><i>Shift to lower gear or reduce load</i></p> <p><i>Clean Air Screen</i></p> <p><i>Add or change oil</i></p> <p><i>Clean Engine Cooling Fins</i></p> <p><i>Remove and clean Muffler or replace</i></p> <p><i>Remove and clean Air Filter</i></p> <p><i>Use fresh fuel and adjust Carburetor</i></p>
NO LIGHTS	<p><i>Check Fuse, Switch and Wire Connections. Replace Headlight Bulbs</i></p> <p><i>Replace Switch</i></p>
WON'T CHARGE	<p><i>Check Fuse for fault and replace</i></p> <p><i>Replace Battery</i></p> <p><i>Replace Diode Assembly</i></p> <p><i>Replace Alternator</i></p>
OPERATOR PRESENCE SYSTEM WILL NOT SHUT DOWN ENGINE WHEN OPERATOR LEAVES SEAT	<p><i>Engage Attachment Clutch</i></p> <p><i>Check all Wire Connections</i></p> <p><i>Check Seat Switch</i></p>
<p><i>NOTE: This tractor is equipped with an operator presence sensing system. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut down the engine.</i></p>	

TROUBLESHOOTING

UNSATISFACTORY MOWER PERFORMANCE UNEVEN DISTRIBUTION OF CLIPPINGS	Place Throttle Control in "FAST" position Check air pressure in Tires Check front-to-rear and side-to-side Mower adjustment Use a slower ground speed Replace Mower Blades Reinstall Mower Blades with Top of Blade up Clean underside of Mower Deck Readjust Mower Drive Belt
MOWER BLADES WILL NOT ROTATE	Correct Clutch Mechanism Interference Install new Mower Drive Belt Reinstall Mower Drive Belt Adjust Mower Drive Belt Replace frozen Mandrel Replace frozen Idler Pulley
EXCESSIVE MOWER VIBRATION	Replace bent or unbalanced Blades Replace Mandrel. Straighten Deck or replace
WIND ROWING STRIPPING OR DROPPING OF GRASS CLIPPINGS	Set Throttle for maximum engine speed Let grass dry out Clean underside of Mower Deck Readjust Mower front-to-rear and side-to-side Replace Blades
UNEVEN CUT OR SCALPING	Readjust Mower front-to-rear and side-to-side Replace Blades Replace bent Mandrel(s)

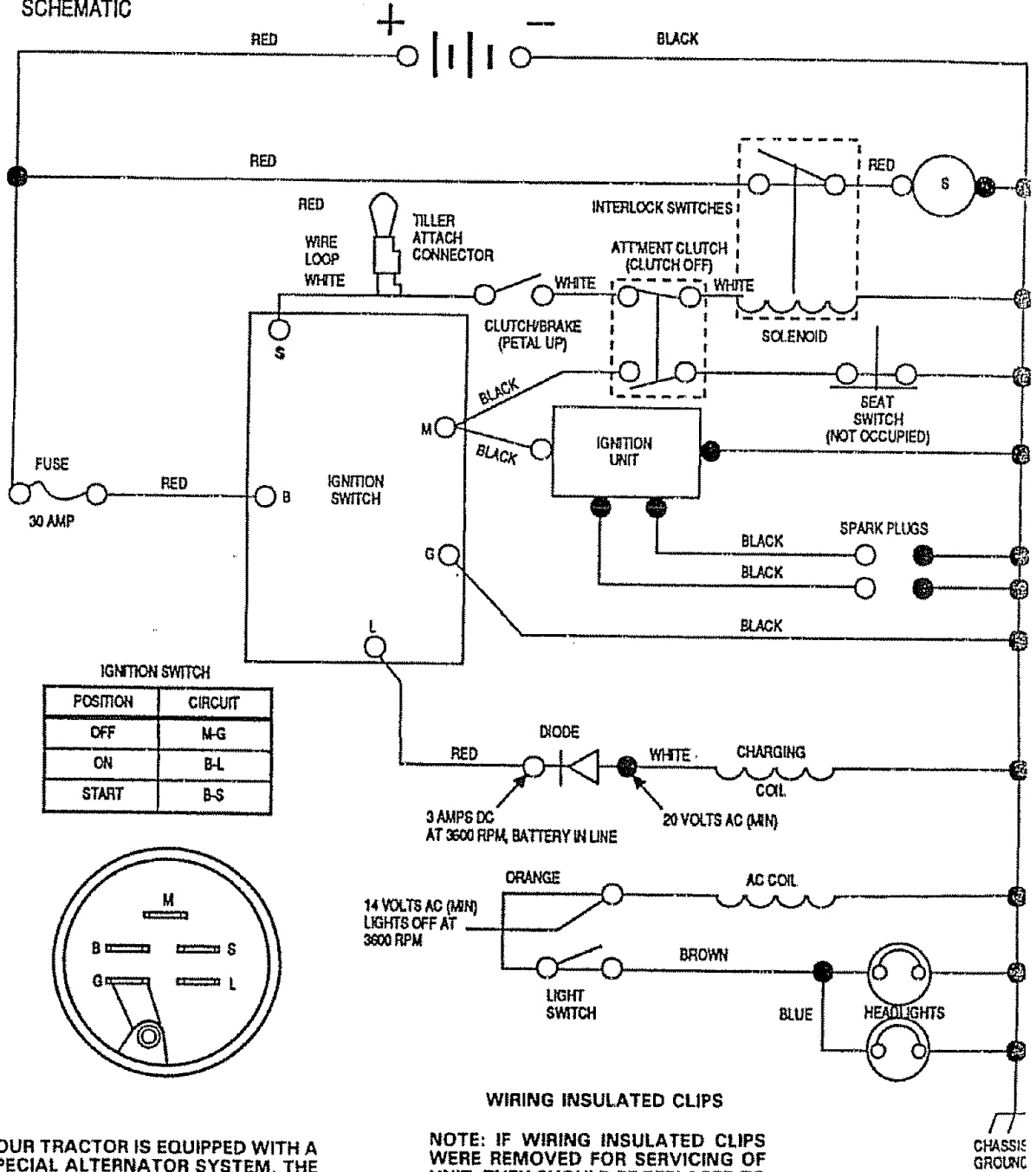
SERVICE RECORD

SERVICE RECORD Fill in dates as you complete regular service	SCHEDULE								
	FIRST 2 HOURS	EVERY 5 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 200 HOURS			
Blades			X						
Brake Adjustment			X						
Check Battery				X					
Change Engine Oil	X			X					
Check Engine Oil Level		X							
Clean Air Filter				X					
Check Muffler				X					
Clean Air Screen and Engine Cooling Fins				X					
Clean Front Grill				X					
Lubricate Tractor				X					
Replace Spark Plugs					X				
Replace Air Filter Cartridge					X				
Tires			X						
Fuel Filter					X				

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 terms heretofore manufactured.

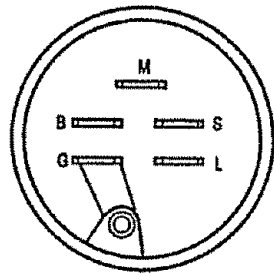
14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

SCHEMATIC



IGNITION SWITCH

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



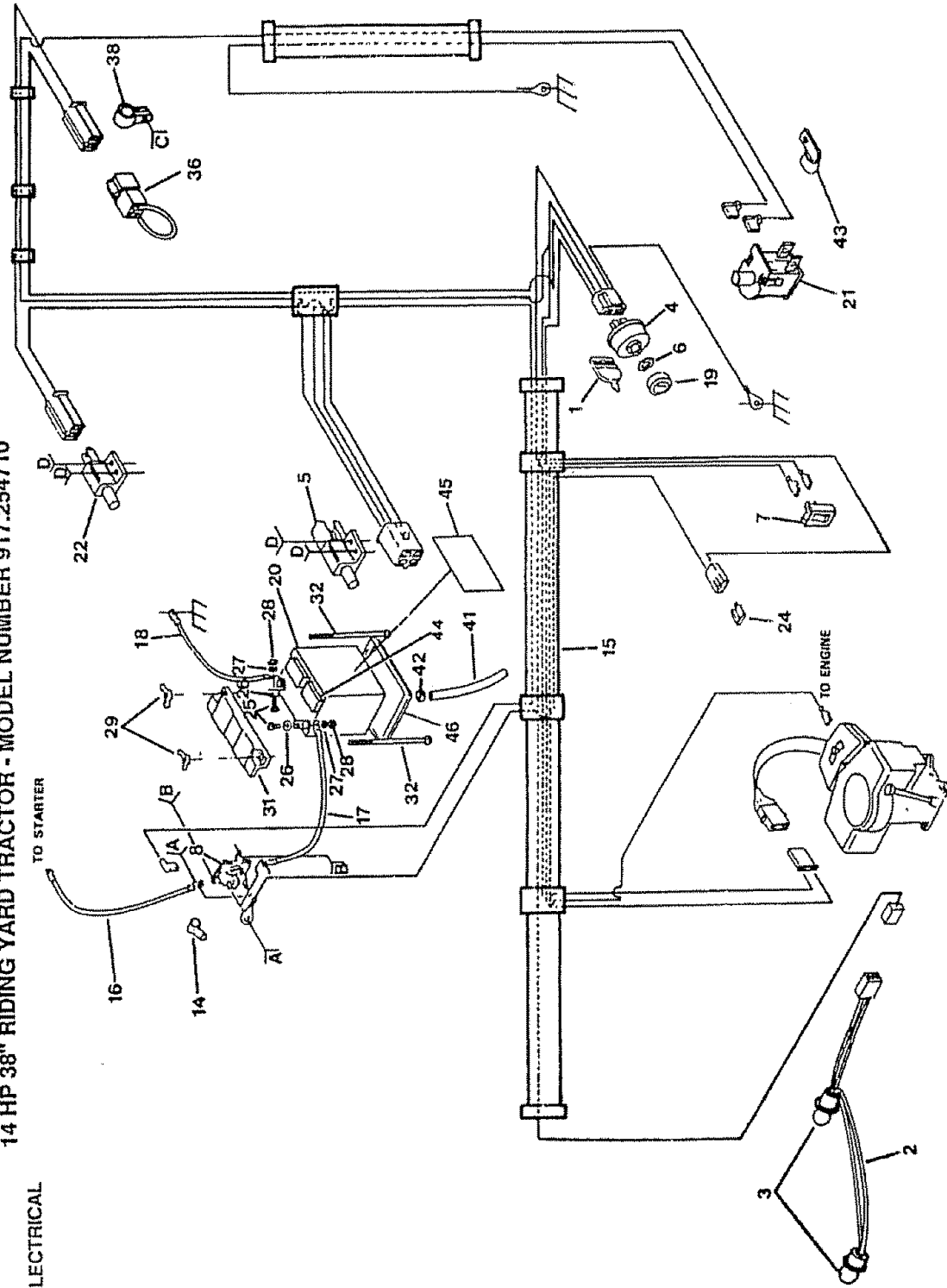
YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH THE ENGINE SPEED. AT IDLE SPEED THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL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

NOTE: IF WIRING INSULATED CLIPS WERE REMOVED FOR SERVICING OF UNIT, THEY SHOULD BE REPLACED TO PROPERLY SECURE YOUR WIRING.

- NON-REMOVABLE CONNECTIONS
- REMOVABLE CONNECTIONS

REPAIR PARTS
14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

ELECTRICAL



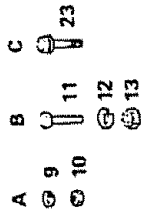
REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

ELECTRICAL

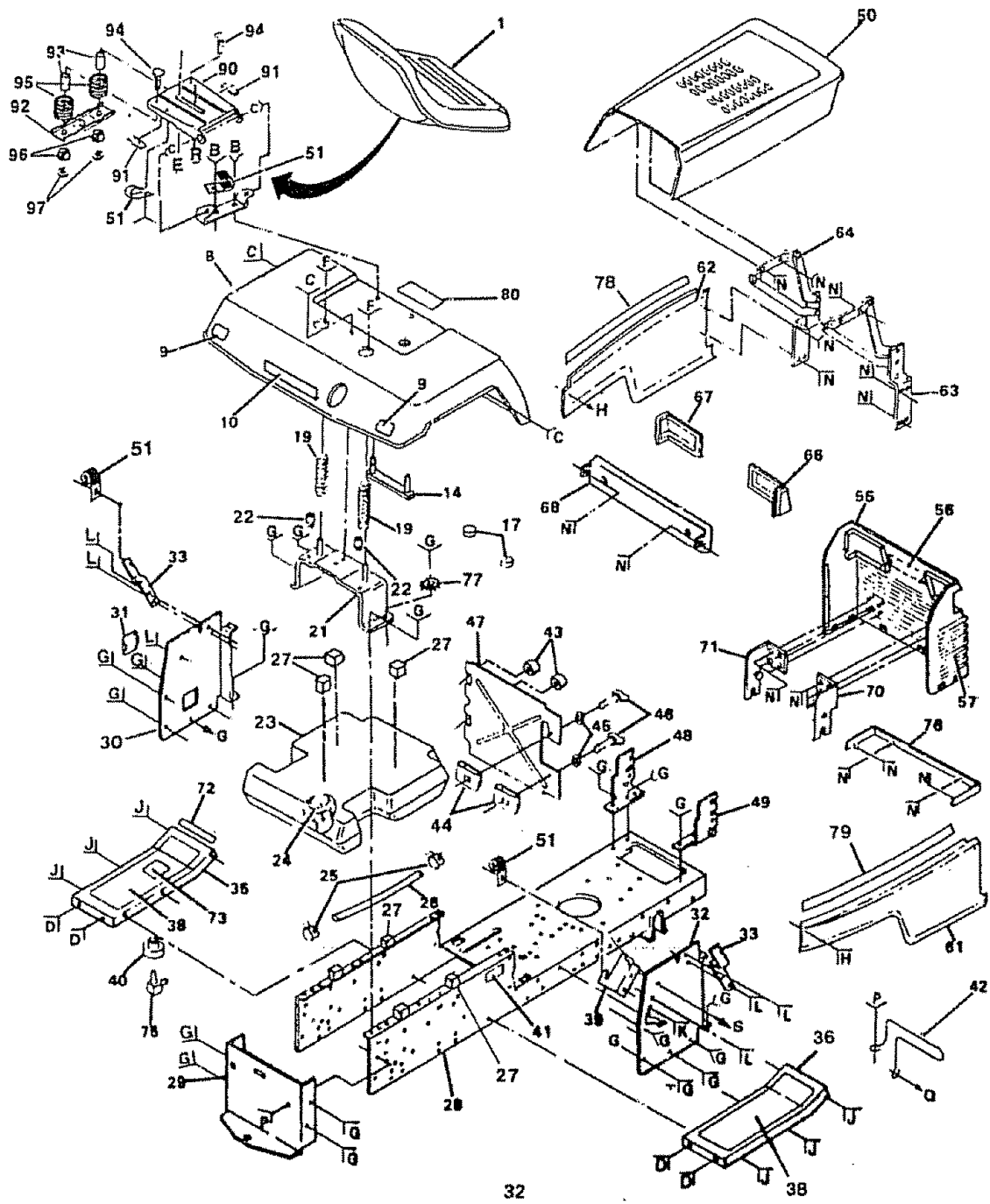
KEY PART NO.	DESCRIPTION	KEY PART NO.	DESCRIPTION
1 109310X	Molded Key	24 108824X	Fuse - 30 Amp
2 110859X	Harness, Light Socket	25 STD522507	* Bolt - Hex 1/4 - 20 x 3/4
3 4152J	Bulb - Light	26 STD551025	* Washer 9/32 x 5/8 x 16 Ga.
4 STD365402	Switch - Ignition	27 STD551125	* Washer - Lock 1/4
5 109553X	Switch, Interlock - Attachment Clutch	28 STD541025	* Nut - Hex 1/4 - 20
6 109788X	Ignition, Nut	29 123198X	* Nut - Wing 1/4 - 20
7 110712X	Switch - Light	31 102476X	Guard - Terminal
8 109081X	Solenoid	32 72240460	Bolt - Rd. Hd. Sq. Nk. 1/4 - 20 x 1/2
9 10090400	Washer - Lock 1/4	36 102501X	Wire Loop
10 STD541225	* Nut - Jam 1/4 - 20	38 235R	Clip - Insulation
12 11050400	Washer - Lock - Ext. Tooth 1/4	40 73680400	* Bolt - Hex 1/4 - 20 x 1/2
13 73510400	Nut, Keps 1/4 - 20	41 100541K	Nut - Crownlock 1/4 - 20
14 719J	Cover - Terminal	42 109596X	Tube
15 121802X	Harness - Ignition	43 4171R	Clamp - Hose
16 4799J	Cable - Battery	44 121264X	Clip - Insulated
17 4206J	Cable - Battery	45 121651X	Caps, Battery
18 4207J	Cable - Ground	46 7603J	Decal, Battery Seats
19 109787X	Bezel - Ignition	- 101539X	Tray, Battery
20 121537X	Battery	- 121311X0E	Sheet - Instruction, Tractor 15° Slope
21 121305X	Switch - Seat		Owners Manual
22 104445X	Switch - Interlock - Clutch		
23 17021008	Screw - Hex Tap, 10 - 24 x 1/2		

*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

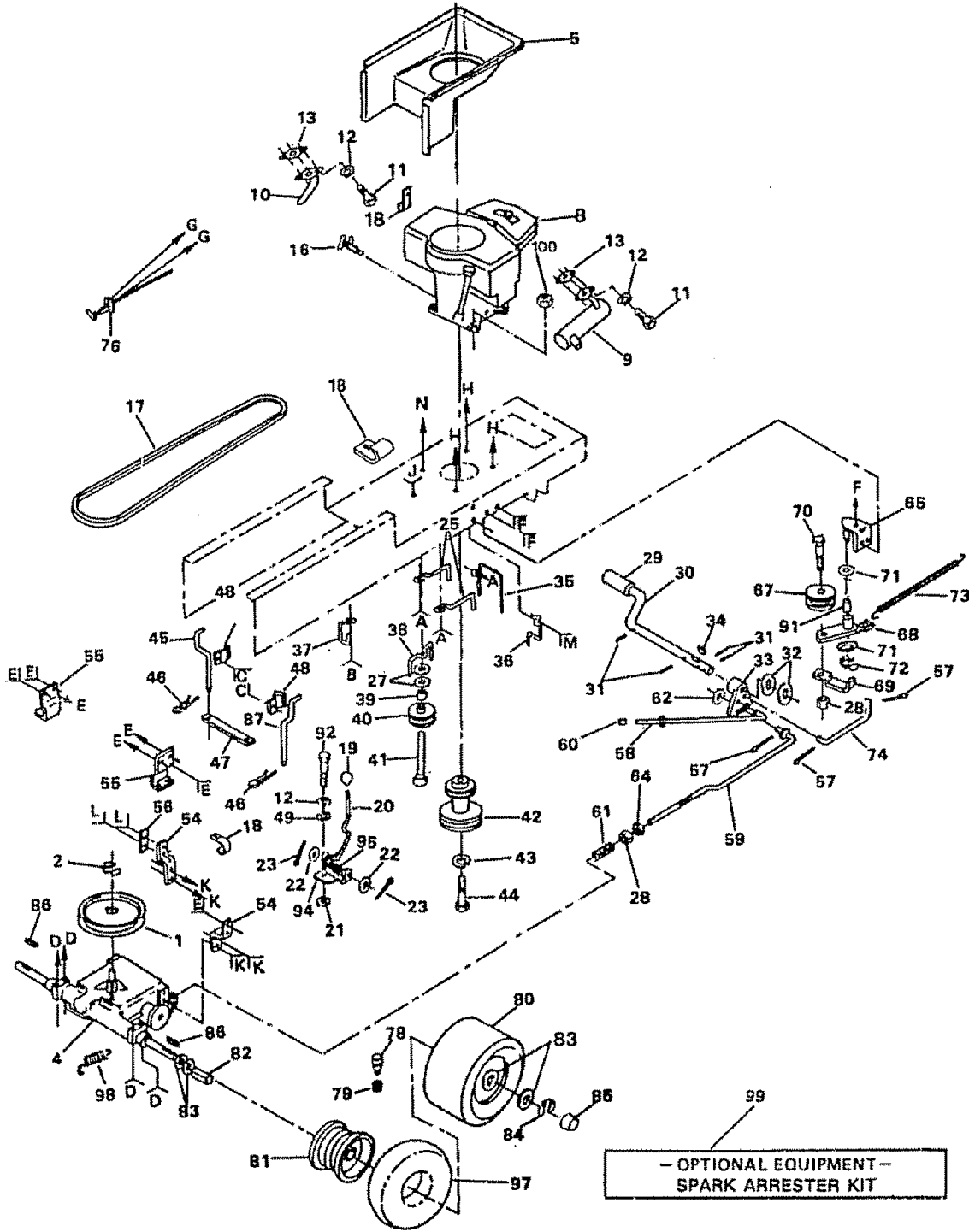
14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
CHASSIS AND ENCLOSURES



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

DRIVE



- OPTIONAL EQUIPMENT -
SPARK ARRESTER KIT

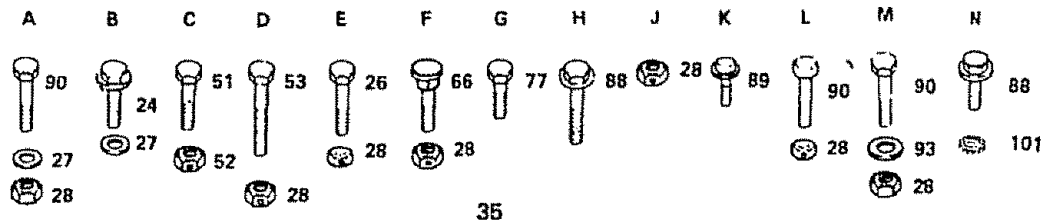
REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105703X	Pulley, Transaxle (Driven)	51	STD523107	* Bolt, Hex 5/16 - 18 x 3/4
2	12000028	Ring, Retainer	52	73680500	Nut, Lock 5/16 - 18
4	121319X	Transaxle, 5 Speed, Foote Model No. 4150-61 (see pages 42 and 43 for parts breakdown)	53	STD523727	* Bolt, Hex 3/8 - 16 x 2-3/4
5	105953X	Duct, Air Intake	54	105642X	Strap, Torque
8	110558X	Engine, Briggs and Stratton Model No. 400707, Type No. 1507-01	55	109167X	Bracket, Transaxle
9	108373X	Muffler	56	106157X	Plate, Strap, Torque
10	100229L	Tube Assembly - Exhaust	57	76020412	Pin, Cotter 1/8 x 3/4
11	STD522507	* Bolt, Hex 1/4 - 20 x 3/4	58	105844X	Rod, Brake, Park
12	STD551125	* Washer, Lock 1/4	59	110437X	Rod, Brake
13	8545J	Gasket	60	71673	Cap
16	110902X	Valve, Drain, Oil	61	106888X	Spring, Rod, Brake
17	120302X	V-Belt, Drive	62	STD551037	* Washer 13/32 x 13/16 x 16 Ga.
18	2751R	Clip	64	STD541237	* Nut, Hex, Jam 3/8 - 16
19	106933X	Knob	65	105724X	Bracket, Clutch
20	105699X	Rod, Shifter	66	STD533707	* Bolt, Carr. 3/8 - 16 x 3/4
21	105701X	Washer - Shaft Plate	67	106298X	Pulley, Idler
22	19151216	Washer 15/32 x 3/4 x 16 Ga.	68	105707X	Bellcrank Assembly
23	STD561210	* Pin, Cotter 1/8 x 1	69	106499X	Retainer, Belt
24	17490612	Screw, Hex Washer Hd. Thd. Roll. 3/8 - 16 x 3/4	70	STD523715	* Bolt, Hex 3/8 - 16 x 1-1/2
25	105730X	Keeper, Belt, Engine	71	110812X	Washer, Hardened
26	STD523707	* Bolt, Hex 3/8 - 16 x 3/4	72	12000039	xsss Ring
27	19131312	Washer 13/32 x 13/16 x 12 Ga.	73	105709X	Spring, Return, Clutch
28	73680600	Nut, Lock 3/8 - 16	74	105710X	Link, Clutch
29	8883R	Cover, Pedal	76	121468X	Control, Throttle
30	109037X	Shaft, Foot Pedal	77	17080408	Screw, Hex Thd. Cut. 1/4 - 20 x 1/2
31	STD571810	* Pin, Roll 3/16 x 1	78	59192	Cap, Valve
32	121749X	Washer 25/32 x 1-1/4 x 16 Ga.	79	65139	Stem, Valve
33	106918X	Arm, Brake	80	106268X	Tire, Rear 18 x 9.50 x 8
34	STD580025	* Key, Woodruff No. 9	81	106108X	Rim, 8"
35	121440X	Guide, Belt, Lower, Eng. Pulley L. H.	82	109502X	Spacer, Split
36	121441X	Guide, Belt, Lower, Eng. Pulley R. H.	83	121749X	Washer 25/32 x 1-1/4 x 16 Ga.
37	104777X	Retainer, Belt Chassis	84	12000001	E-Ring
38	109070X	Keeper, Belt	85	104757X	Cap, Hub, Rear
39	4470J	Spacer	86	STD580105	* Key, Square 3/16 x 2
40	4859J	Idler, Flat	87	109369X	Keeper, Belt, R. H.
41	STD523727	* Bolt, Hex 3/8 - 16 x 2-3/4	88	17490624	Bolt, Hex Washer Thd. Roll. 3/8 - 16 x 1-1/2
42	105731X	Pulley, Engine	89	17490512	Screw, Hex Washer Thd. Roll. 5/16 - 18 x 3/4
43	10040700	Washer, Lock 7/16	90	STD523710	* Bolt, Hex 3/8 - 16 x 1
44	74770720	* Bolt, Hex 7/16 - 20 x 1-1/4	91	105706X	Bearing
45	109368X	Keeper, Belt L. H.	92	71040412	Bolt, Hex 1/4 - 28 x 3/4
46	4921H	Retainer Spring	93	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
47	109370X	Strap, Locator	94	106919X	Plate, Rod, Shift
48	106190X	Clamp	95	105700X	Spring, Torsion
49	19091210	Washer 9/32 x 3/4 x 10 Ga.	97	7152J	Tube (Not furnished with tractor)
			98	110422X	Spring, Brake Return
			99	674A380	Spark Arrester Kit
			100	STD541437	Nut Keps. 3/8 - 16
			101	STD551237	Washer Lock Tooth 3/8

*STANDARD HARDWARE--PURCHASE LOCALLY



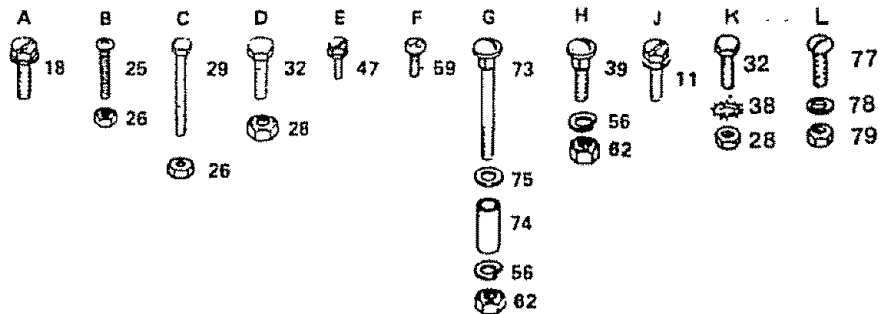
REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

STEERING ASSEMBLY

KEY PART NO.	NO.	DESCRIPTION	KEY PART NO.	NO.	DESCRIPTION
1	105810X	Decal - Cap Steering Wheel	42	74761060	Bolt - Hex 5/8 - 11 x 3-3/4
2	100710L	Insert - Steering Wheel	43	105664X	Support - Saddle - Front
3	73940800	* Nut, Top Lock 1/2 - 20 UNF	45	110438X	Spacer Bearing - Front Axle
4	100712K	Washer	46	73901000	Nut - Lock - Flange 5/8 - 11
5	100713N	Wheel - Steering	47	17490508	Screw - Hex Washer Thd. Roll. 5/16 - 18 x 1/2
6	100711L	* Adapter - Steering Wheel	48	105656X	Spindle - L. H.
7	106015X	Sleeve - Steering	49	105654X	Spindle - R. H.
8	120028X	Dash	50	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
9	120003X011	Dash Plate	51	121321X	Rod - Tie
10	109816X	Nyliner - Snap-In	52	STD551131	* Washer - Lock 5/16
11	17490608	Screw - Hex Washer Thd. Roll. 3/8 - 16 x 1/2	53	STD541131	* Nut - Hex 5/16 - 24
12	121749X	Washer 25/32 x 1-1/4 x 166A	54	3366R	Bearing
13	108705X	Shaft - Steering	55	105727X	Link - Drag
14	2882J	Pin - Drive	56	STD551137	* Washer - Lock 3/8
15	71208	Bushing	57	STD541137	* Nut - Hex 3/8 - 24
16	109432X	Bracket - Steering	58	1554J	Bushing - Steering
17	108685X	Gear - Pinion	59	17431008	Screw - Hex No. 10 - 16 x 1/2
18	17490612	Screw - Hex Washer Thd. Roll. 3/8 - 16 x 3/4	60	104757X	Cap - Hub - Front
19	108683X	Rod - Steering	61	2751R	Clip - Fuel Line
20	12000029	Klip Ring	62	STD541037	* Nut - Hex 3/8 - 16
21	6266H	Bearing - Thrust	64	59192	Cap - Valve
22	108684X	Gear - Sector	65	65139	Stem - Valve
23	106125X	Key - Woodruff	66	278H	Fitting - Grease
24	105518X	Dash - Lower	67	9040H	Bearing
25	74180512	Screw - Crown Truss Hd. 5/16 - 18 x 3/4	68	106732X	Rim - 6" Front
26	73680500	Nut - Lock 5/16 - 18	69	106222X	Tire - Front
27	108263X012	Saddle	70	101930X	Washer - Hardened
28	73680600	Nut - Lock 3/8 - 16	71	108456X	Decal - Instructions, Operating
29	STD529120	Bolt - Hex 5/16 - 18 x 2	72	59904	Tube - Tire - Front
30	121236X	Spacer	73	72110622	Bolt - Carriage Hex 3/8 - 16 x 2-3/4
31	106001X	Support Plate - Battery	74	121235X	Spacer
32	STD523707	Bolt - Hex 3/8 - 16 x 3/4	75	19131416	Washer 13/32 x 7/8 x 16 Ga.
34	19111216	Washer 11/32 x 3/4 x 166A	76	74580	Spacer
35	121232	Cap Spindle	77	STD512507	* Screw - Pan Head 1/4 - 20 x 3/4
36	121525	Control - Choke	78	19091216	Washer 13/32 x 3/4 x 16 Ga.
38	11050600	Washer - Lock, Int./Ext. Tooth 3/8	79	73510400	Nut, Keps 1/4 NC
39	72110608	Bolt - Carriage	80	19272016	Washer 27/32 x 1 1/4 x 16 Ga.
40	105669X	Axle - Front	83	5320R	Clip, Insulated
41	105663X	Support - Saddle - Rear	84	19111216	Washer 11/32 x 3/4 x 16 Ga.
			85	121232X	Cap Spindle

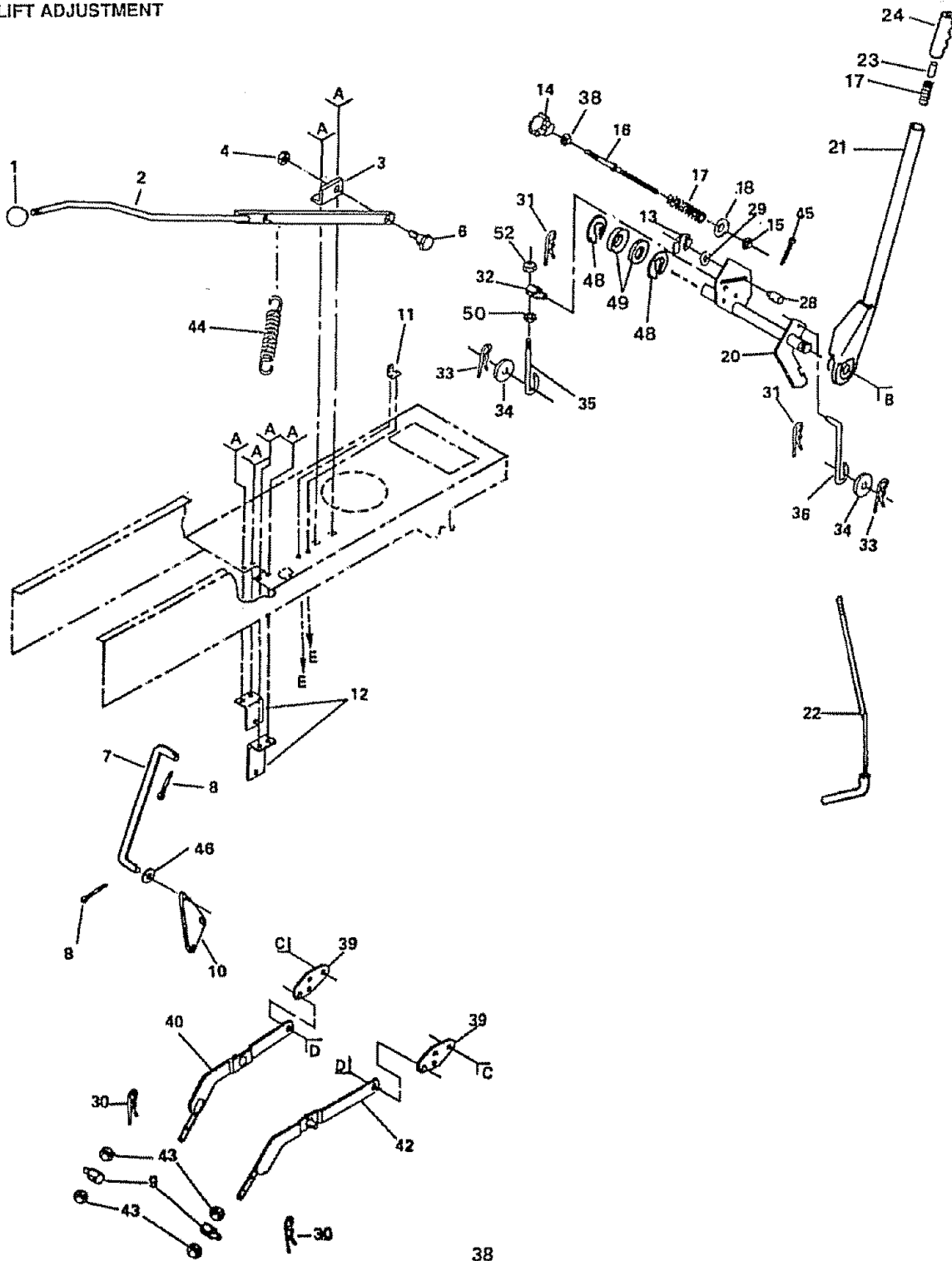
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

LIFT ADJUSTMENT



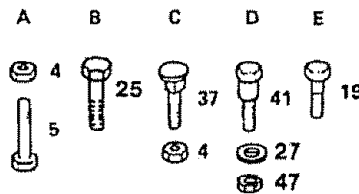
REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106933X	Knob	28	110810X	Trunnion - Stop Depth
2	110924X	Lever - Mower Clutch	29	19151216	Washer 15/32 x 3/4 x 16 Ga.
3	106498X	Bracket - Pivot	30	9135R	Retainer Spring
4	73680600	Nut - lock 3/8 - 16	31	4939M	Retainer Spring
5	STD523707	* Bolt - Hex 3/8 - 16 x 3/4	32	110447X	Trunnion - Lift
6	106451X	Bolt - Shoulder	33	4921H	Retainer Spring
7	108387X	Rod - Clutch - Primary	34	19171516	Washer 17/32 x 5/16 x 16 Ga.
8	76020412	Pin - Cotter 1/8 x 3/4	35	110448X	Link - Lift Adjust
9	106308X	Trunnion - Lift Lower	36	110029X	Link - Lift
10	109728X	Bellcrank			
11	108236X	Bracket - Switch	37	STD533707	* Bolt - Carriage 3/8 - 16 x 3/4
12	106444X	Bracket - Bellcrank	38	STD541237	* Nut - Jam 3/8 - 16
13	1200037	Klip Ring	39	105864X	Bracket - Suspension
14	100734K	Knob, Depth Adjustment	40	121599X	Arm - Suspension - L.H.
15	110807X	Nut - Special	41	105848X	Bolt - Shoulder 3/8 - 16
16	110729X	Rod - Adjust - Lift	42	121598X	Arm - Suspension - R. H.
17	2876H	Spring	43	STD541050	* Nut - Hex Fin 1/2 - 13
18	STD551037	* Washer 13/32 x 5/8 x 16 Ga.	44	58606	Spring
19	17021008	Screw - Hex Hd. Tap.	45	76020308	Pin - Cotter 3/32 x 1/2
20	121000X	Shaft - Lift	46	19131410	Washer 13/32 x 7/8 x 10 Ga.
21	121002X	Lever - Lift (Inc. Key No. 22)	47	73980600	Nut - Lock 3/8 - 16
22	121006X	Rod - Lever	48	12000022	E-Ring
23	105723X	Plunger - Lever	49	19292016	Washer 29/32 x 1 1/4 x 16 Ga.
24	109413X	Grip - Handle	50	73360700	Nut Hex Jam 7/16 -20
25	STD523715	* Bolt 3/8 - 16 x 1-1/2	52	73710700	Not Crownlock Jam 7/16-20
26	STD551137	* Washer - Lock 3/8			
27	110739X	Washer - Spring 3/8			

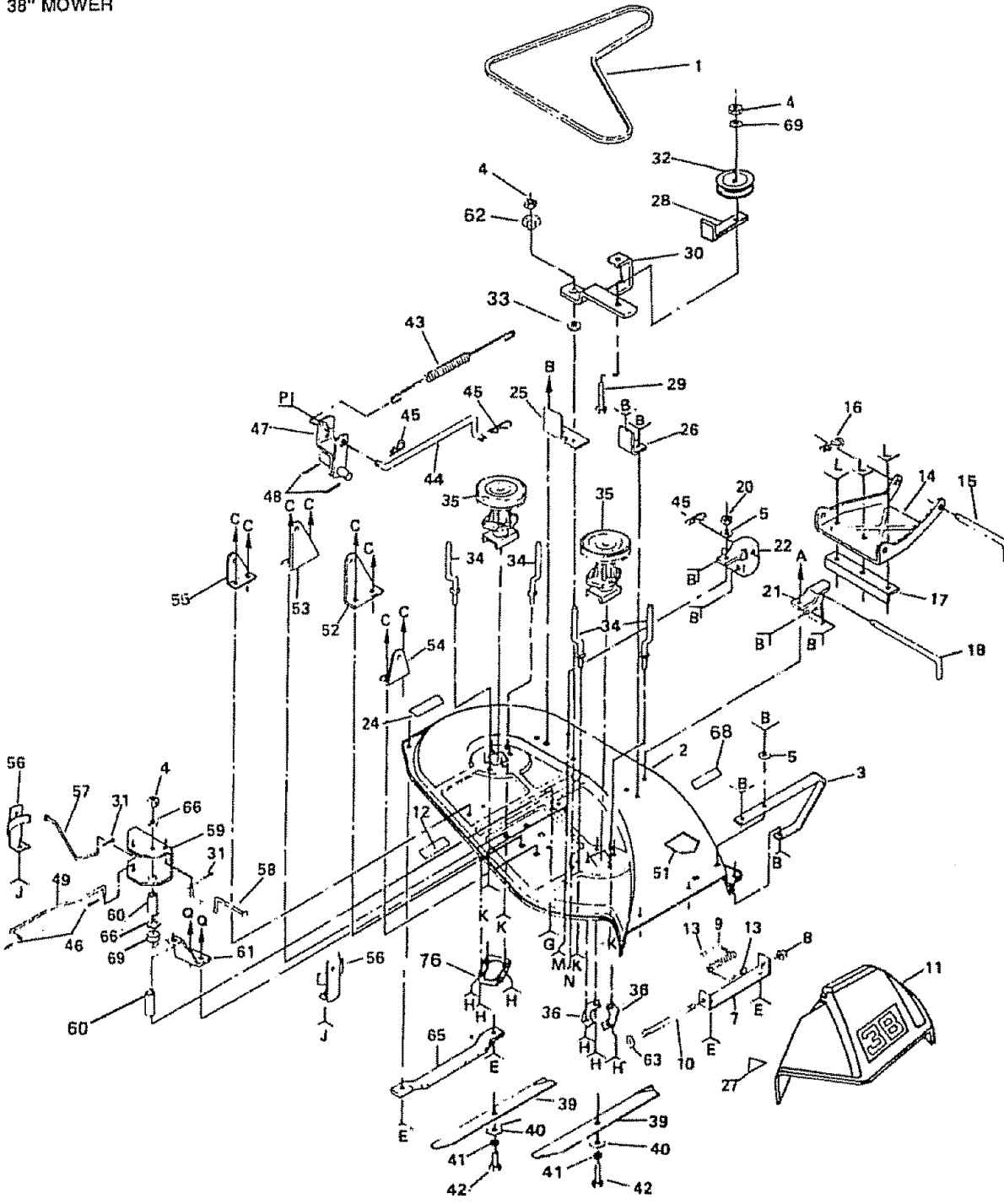
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

38" MOWER



REPAIR PARTS

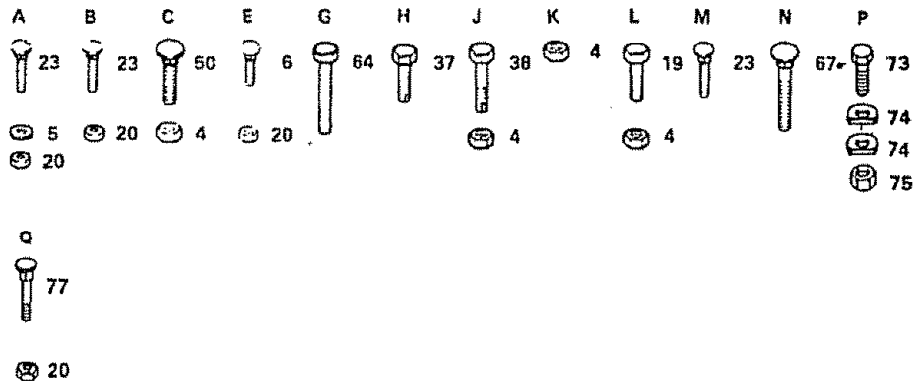
14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

38" MOWER

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Bell	38	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1-1/4
2	121259X	Housing	39	121263X	Blade, 38"
3	8417J	Runner, R. H.	40	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
4	73680600	Nut, Lock 3/8 - 16	41	STD551137	* Washer, Lock 3/8
5	19111216	Washer 11/32 x 3/4 x 16 Ga.	42	STD632715	* Bolt, Hex 3/8 - 24 x 1-1/2 Gr. 5
6	72140505	Bolt, Carr. 5/16 - 18 x 5/8	43	108250X	Spring, Extension
7	105896X	Bracket, Deflector	44	108235X	Rod, Clutch, Mower
8	110452X	Push Nut	45	4921H	Spring, Retainer
9	106734X	Spring, Deflector	46	STD560907	* Pin, Cotter 3/32 x 3/4
10	106735X	Rod, Hinge	47	109892X	Rock Shaft Assembly
11	106736X	Deflector, Shield	48	76020616	Pin, Cotter 3/16 x 1
12	105814X	Decal	49	108247X	Rod, Brake, Primary
13	105304X	Cap	50	STD533707	* Bolt, Carr. 3/8 - 16 x 3/4
14	105662X	Link, Parallel	51	121343X	Decal, Warning
15	105744X	Pin, Hinge, Front	52	108243X	Bracket, Pivot, R. H.
16	4921H	Spring, Retainer	53	108241X	Bracket, Pivot, L. H.
17	105872X	Stop, Link	54	105857X	Bracket, Suspension, Rear, R. H.
18	109835X	Pin, Hinge, Rear	55	108673X	Bracket, Suspension, Rear, L. H.
19	STD523707	* Bolt 3/8 - 16 x 3/4	56	106578X	Brake Assembly
20	73680500	Nut, Lock 5/16 - 18	57	106463X	Rod, Brake, Secondary, L. H.
21	109598X	Bracket, Lift, R. H.	58	108249X	Rod, Brake, Secondary, R. H.
22	109597X	Bracket, Lift, L. H.	59	106456X	Bracket, Brake, Pivot
23	STD533107	* Bolt, Carr. 5/16 - 18 x 3/4	60	100672K	Spacer, Brake
24	3713J	Instruction, Caution Decal	61	100673L	Bracket, Support
25	109503X	Support Arm	62	106513X	Washer, Wear
26	109504X	Stop, Deck, Front	63	19111016	Washer 11/32 x 5/8 x 16 Ga.
27	---	Decal, Safety Standard - Not Serviced	64	74760688	Bolt 3/8 - 16 x 5-1/4
28	121317X	Guide, Belt	65	7631J	Runner, L. H.
29	STD523720	* Bolt 3/8 - 16 x 2	66	19131614	Washer 13/32 x 1 x 14 Ga.
30	108832X	Arm, Idler	67	72140610	Bolt, Carr. 3/8 - 16 x 1-1/4
31	76020308	Pin Cotter	68	3713T	Decal, Warning
32	121316X	Pulley, Idler	69	122314X	Spacer, Split
33	106902X	Spacer, Retainer	73	74760412	Bolt, Hex 1/4 - 20 x 3/4
34	102669X	Keeper, Bolt	74	109893X	Washer, Special
35	121687X	Jackshaft Assembly	75	73680400	Nut 1/4 - 20
36	100668L	Plate, Support, Jackshaft	76	110445X	Plate Support L. H. Jackshaft
37	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4	77	72110506	Bolt Ro Hd Sq Nk 5/16 - 18 x 3/4

Mower Assembly Complete 122215X

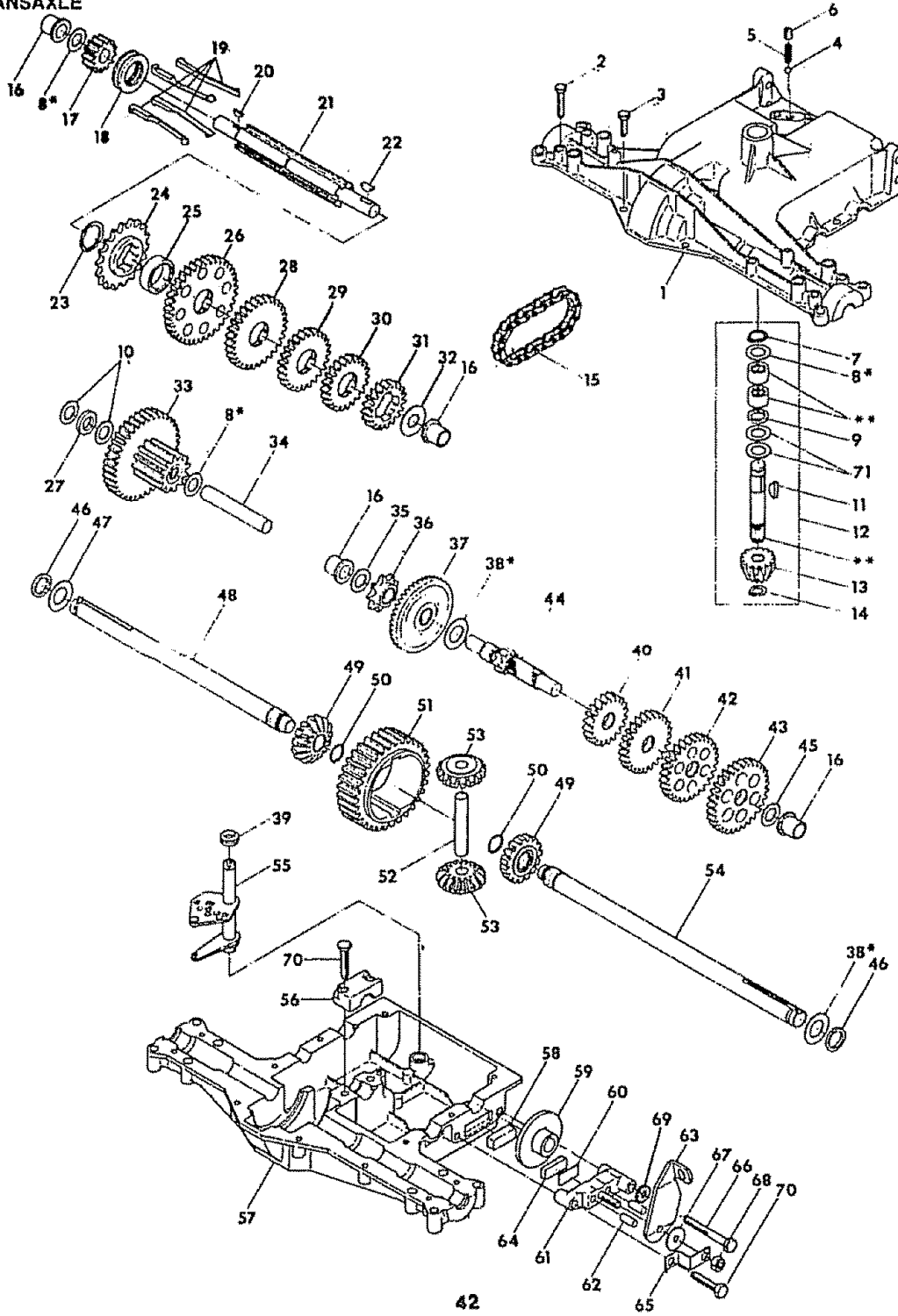
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
TRANSAXLE FOOTE - MODEL NUMBER 4150-61

TRANSAXLE



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710 TRANSAXLE FOOTE - MODEL NUMBER 4150-61

TRANSAXLE

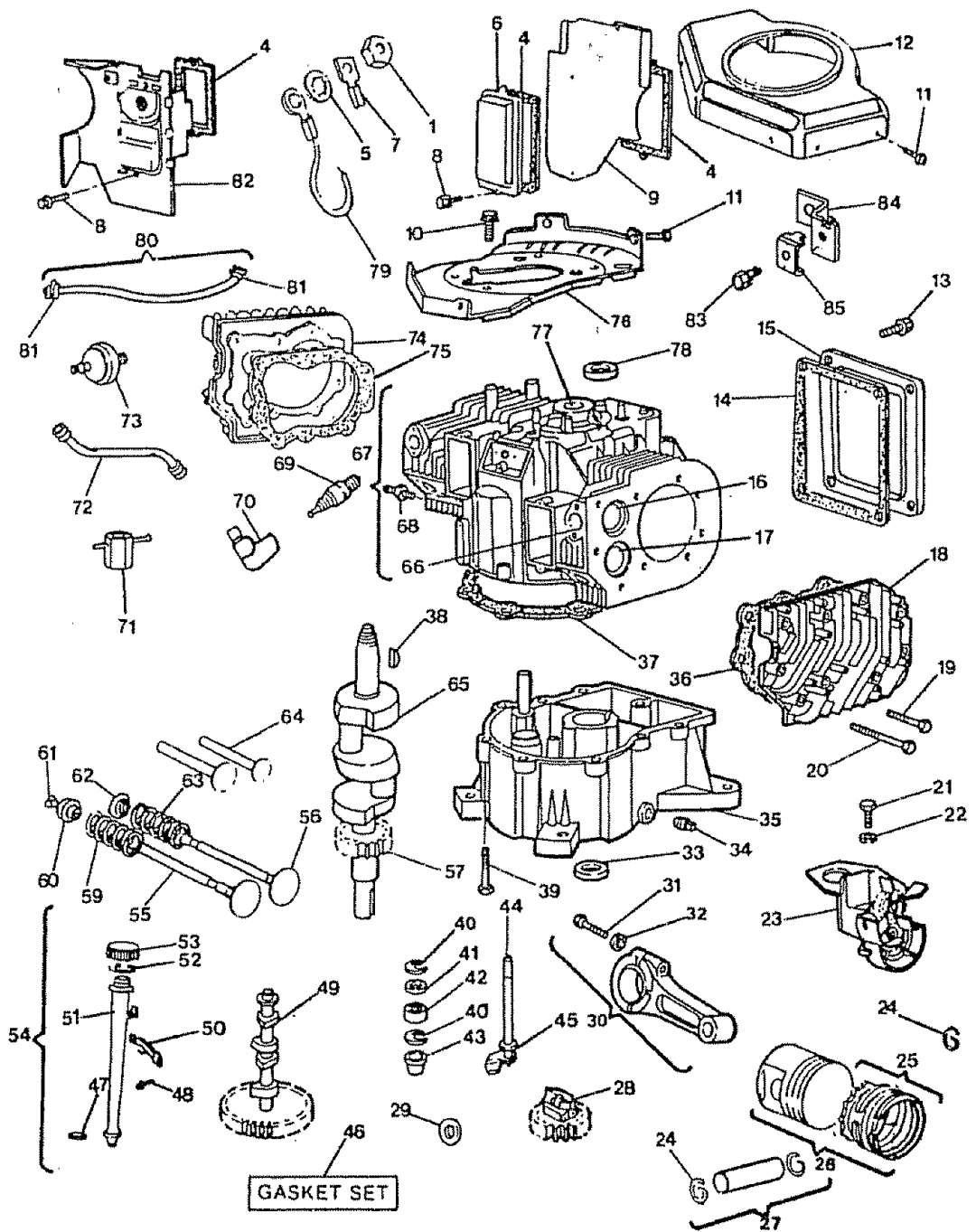
KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
1	106845X	Housing, upper	38	108983X	Washer, Plain, .758 x 1.12 x .010
2	2276J	Screw, Tapping, 1/4-20 x 1.31 Lg.		105930X	Washer, Plain, 758 x 1.12 x .015
3	121118X	Screw, Tapping, 1/4-20 x .875 Lg.		105931X	Washer, Plain, 758 x 1.12 x .020
4	68003	Ball, Detent		105932X	Washer, Plain, 758 x 1.12 x .025
5	105904X	Spring, Detent		3417J	Washer, Plain, 758 x 1.25 x .020
6	105905X	Screw, Set		106097X	Washer, Plain, 758 x 1.25 x .025
7	2267J	Ring, Retainer		2264J	Washer, Plain, 758 x 1.25 x .031
8	2233J	Washer, Plain, .632 x 1.00 x .020		106098X	Washer, Plain, 758 x 1.25 x .035
	2232J	Washer, Plain, .632 x 1.00 x .026		2265J	Washer, Plain, 758 x 1.25 x .040
	2231J	Washer, Plain, .632 x 1.00 x .031		106586X	Washer, Plain, 758 x 1.25 x .045
	2230J	Washer, Plain, .632 x 1.00 x .036		106587X	Washer, Plain, 758 x 1.25 x .050
	2229J	Washer, Plain, .632 x 1.00 x .041		106588X	Washer, Plain, 758 x 1.25 x .055
	2228J	Washer, Plain, .632 x 1.00 x .046		2263J	Washer, Plain, 758 x 1.25 x .062
	2227J	Washer, Plain, .632 x 1.00 x .050	39	108727X	V-Ring
	2226J	Washer, Plain, .632 x 1.00 x .060	40	106151X	Gear, Spur, 15T
	105906X	Washer, Plain, .632 x 1.00 x .082	41	106589X	Gear, Spur, 25T
9	6725J	O-Ring	42	120408X	Gear, Spur, 28T
10	2228J	Washer, Plain, .632 x 1.00 x .046	43	105937X	Gear, Spur, 31T
11	2257J	Key, Woodruff, No. 9	44	106152	Shaft, Drive
12	106846X	Assembly, Kit, Input Shaft (Inc's. Key No's. 7,8,9,11,12,13,14,71, and 2 Needle Bearings)	45	2226J	Washer, Plain, .640 x 1.00 x .060
			46	2272J	Seal, Felt
			47	2264J	Washer, Plain, .758 x 1.25 x .031
13	106095X	Pinion Bevel 14T	48	110080X	Axle, L. H.
14	105909X	Ring, Retaining	49	120409X	Gear, Miter, 15T
15	105910X	Chain, 24 Pitches	50	105941X	Ring, Retaining
16	105911X	Bearing, Flange	51	110071X	Gear, Spur, 32T
17	105912X	Gear, Spur, 14T	52	120952X	Shaft, Cross
18	105913X	Collar Clutch	53	106592X	Gear, Miter, 15T
19	105914X	Key, Clutch	54	110083X	Axle, R. H.
20	2242J	Key, Woodruff, No. 3	55	109002X	Assembly, Shifter
21	106096X	Shaft, Intermediate	56	108987X	Cap, Support
22	2244J	Key, Woodruff, No. 61	57	109975X	Housing, lower
23	105916X	Ring, Retaining	58	120997X	Puck, Friction
24	105917X	Sprocket, 18T	59	7294J	Disc, Brake
25	110070X	Spacer	60	108989X	Spacer
26	109253X	Gear, Spur, 40T	61	120953X	Jaw, Brake
27	108978X	Spacer	62	120954X	Pin, Dowel
28	109254X	Gear, Spur, 35T	63	108992X	Lever, Actuating
29	108980X	Gear, Spur, 25T	64	120951X	Puck, Friction
30	120406X	Gear, Spur, 22T	65	120956X	Bracket, Anti-Rotation
31	108445X	Gear, Spur, 19T	66	120955X	Screw, Tapping, 5/16-18 x 2.50 long
32	105925X	Washer, Plain, .640 x 1.37 x .061	67	108996X	Washer, Plain, .321 x 1.00 x .055
33	108981X	Assembly, Gear, Combo., 12T & 35T	68	73810500	Nut, Lock, 5/16-24 (Nylon insert)
			69	120993X	Washer, Plain, .34 x .81 x .06
34	120998X	Shaft, Idler	70	106596X	Screw, Tapping, 5/16 - 18 x 1.44 Long
35	3413J	Washer, Plain, .63 x 1.00 x .01	71	120415	Washer, Plain, .63 x 1.38 x .05
36	105928X	Sprocket, 9T	72	120416X	Grease
37	106605X	Gear, Bevel, 42T			

*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCE.

+ NOT SOLD SEPARATELY--ORDER KEY NO. 12

REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01
CYLINDER, CRANKSHAFT, AND ENGINE BASE GROUP



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01
 CYLINDER, CRANKSHAFT, AND ENGINE BASE GROUP

KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
1	90576	Nut - Hex 8 - 32	38	222698	Key - Flywheel
4	27803	* Gasket - Valve Cover	39	93585	Screw - Hex Head Sem
5	92791	Washer - Lock, Shakeproof	40	94296	Retainer - E-Ring
6	222892	Cover - Breather Cylinder No. 2	41	491287	Foam Seal - Governor Shaft
7	93722	Terminal - Spade	42	261560	Upper Bushing - Governor
8	93394	Screw - Sem	43	262332	Lower Bushing - Governor
9	222912	Baffle - Air	44	491530	Crank - Governor
10	93777	Screw - Hex Head (Back Plate to Cylinder)	45	220863	Washer - Governor Crank (Inside)
11	93158	Screw - Sem	46	394501	Gasket Set
12	491247	Housing - Blower	47	271157	Seal - Filler Tube
13	93882	Screw - Crankcase Cover Mtg. Sem	48	93469	Screw - Hex Head
14	270981	* Gasket - Crankcase	49	212968	Gear - Cam
15	222860	Cover Plate - Crankcase	50	222875	Clamp - Oil Filler
16	261463	+Seat - Intake Valve (Standard)	51	280224	Tube - Oil Filler
17	210940	+Seat - Exhaust Valve (Standard)	52	271170	Seal - Oil Filler Cap
18	212462	Head - Cylinder No. 2	53	394020	Cap and Dipstick - Oil Filler
19	93111	Screw - Cylinder Head (1-15/16" Long)	54	394394	Dipstick and Tube Assembly (Inc. Key Nos. 47, 48, 50, 51, 52 & 53)
20	93113	Screw - Cylinder Head (2-5/16" Long)	55	390419	Valve - Exhaust
21	93686	Screw - Hex Head (10 - 32 x 5/8)	56	261528	Valve - Intake
22	92290	Washer - Lock (No. 10 x 1/16 x 3/64)	57	231445	Gear - Timing
23	393415	Oil Slinger Assembly	59	26828	Spring - Exhaust Valve
24	260924	Lock - Piston Pin	60	292260	Rotocoil - Exhaust Valve
25	394959	Ring Set - Piston (Standard)	61	93630	Retainer - Exhaust Valve Rotocoil
25	394960	Ring Set - Piston (.010" O.S.)	62	221596	Retainer - Intake Valve
25	394961	Ring Set - Piston (.020" O.S.)	63	65906	Spring - Intake Valve
25	394962	Ring Set - Piston (.030" O.S.)	64	261368	Tappet - Valve
26	394955	Piston Assembly (Standard) (Inc. Key Nos. 24 & 25)	65	393382	Crankshaft
26	394956	Piston Assembly (.010" O.S.)	66	261961	NOTE: ORDER NO. 94196 FOR TIMING GEAR RETAINING DEVICE
26	394957	Piston Assembly (.020" O.S.)			+ Guide - Exhaust Valve (Only)
26	394958	Piston Assembly (.030" O.S.)			NOTE: NO. 231218 GUIDE - INTAKE (BRASS)
27	299691	Pin Assembly - Piston (Standard) (Inc. Key No. 24)	67	394941	Cylinder Assembly (Inc. Key No. 68)
27	391286	Pin Assembly - Piston (.005" O.S.)	68	230318	Connector - Impulse Pump
28	394348	Gear - Governor	69	394539	Plug - Spark (Resistor) Champion Rj-12 or equivalent
29	222773	Washer - Thrust	70	66538	Elbow - Spark Plug
30	393270	Rod Assembly - Connecting (Inc. Key Nos. 31 & 32)	71	89838	Wrench - Spark Plug
		NOTE: FOR CONNECTING ROD WITH .020" UNDERSIZE CRANKPIN BORE, ORDER NO. 393714	72	280225	Tube - Breather
31	92909	Screw - Connecting Rod	73	394358	Filter - Fuel (In Fuel Line to Tank)
32	220863	Washer 1/4 x 5/8 x 1/32	74	212461	Head - Cylinder No. 1
33	291675	Seal - Oil	75	270984	* Gasket - Cylinder Head No. 1
34	91084	Plug - Oil Drain	76	491304	Back Plate Assembly
35	393552	Base Assembly - Crankcase	77	399265	+ Bearing - Cylinder
36	270983	* Gasket - Cylinder Head No. 2	78	391086	Seal - Oil
37	271142	* Gasket - Crankcase Cover (1/64" thick)	79	391115	Wire - Ground
37	271188	* Gasket - Crankcase Cover (.005" thick)	80	299146	Line - Fuel (Inc. Key No. 81)
37	271189	* Gasket - Crankcase Cover (.009" thick)	81	93053	Clamp - Fuel Line
			82	393370	Breather Assembly No. 1
			83	93496	Screw - Hex Head
			84	223890	Bracket - Choke Cable
			85	221535	Clamp - Casing

* INCLUDED IN GASKET SET NO. 394501

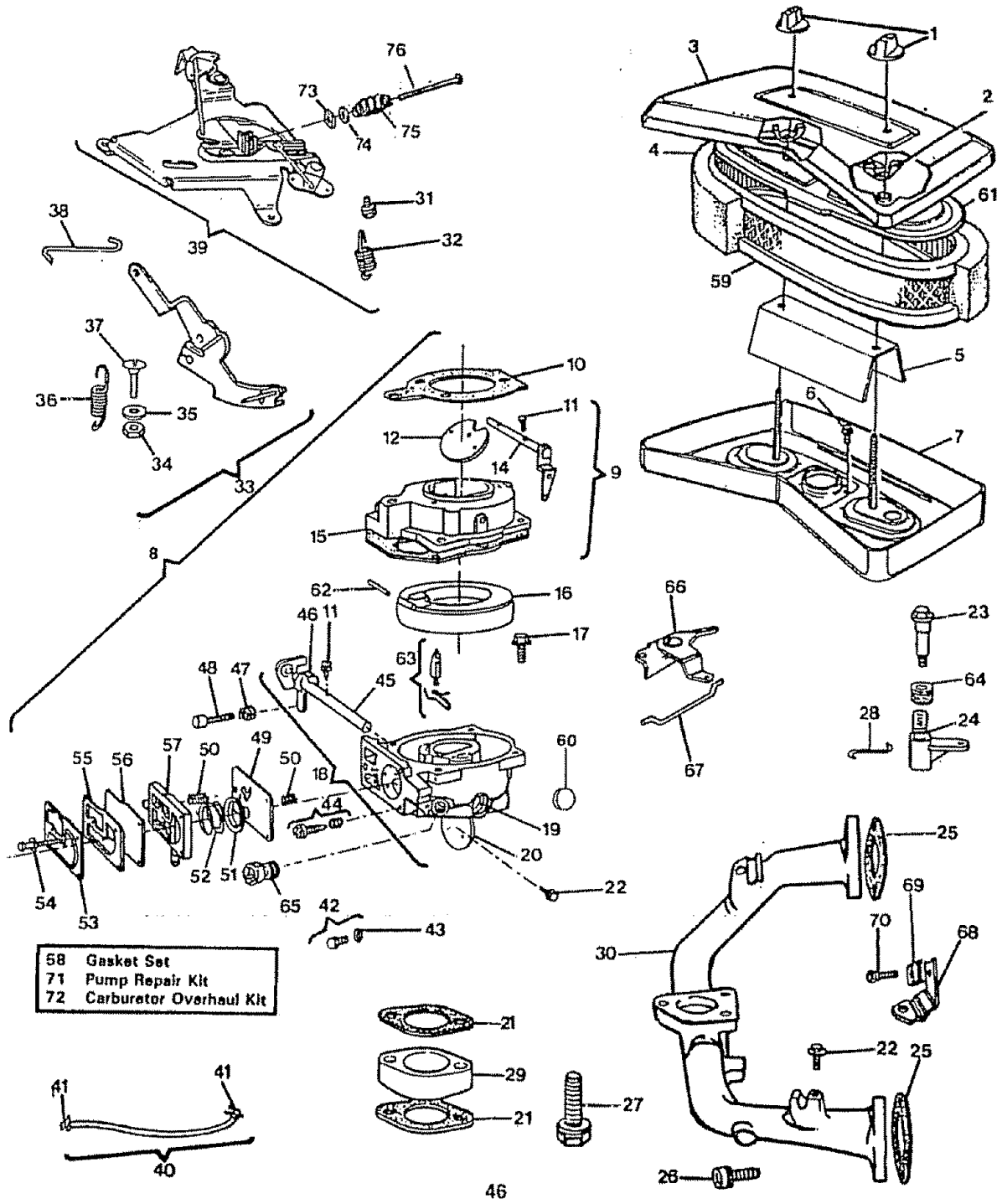
+ SPECIAL TOOLS REQUIRED TO INSTALL

REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01

AIR CLEANER - CARBURETOR GROUP



- | | |
|----|-------------------------|
| 58 | Gasket Set |
| 71 | Pump Repair Kit |
| 72 | Carburetor Overhaul Kit |

REPAIR PARTS

**14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01
AIR CLEANER - CARBURETOR GROUP**

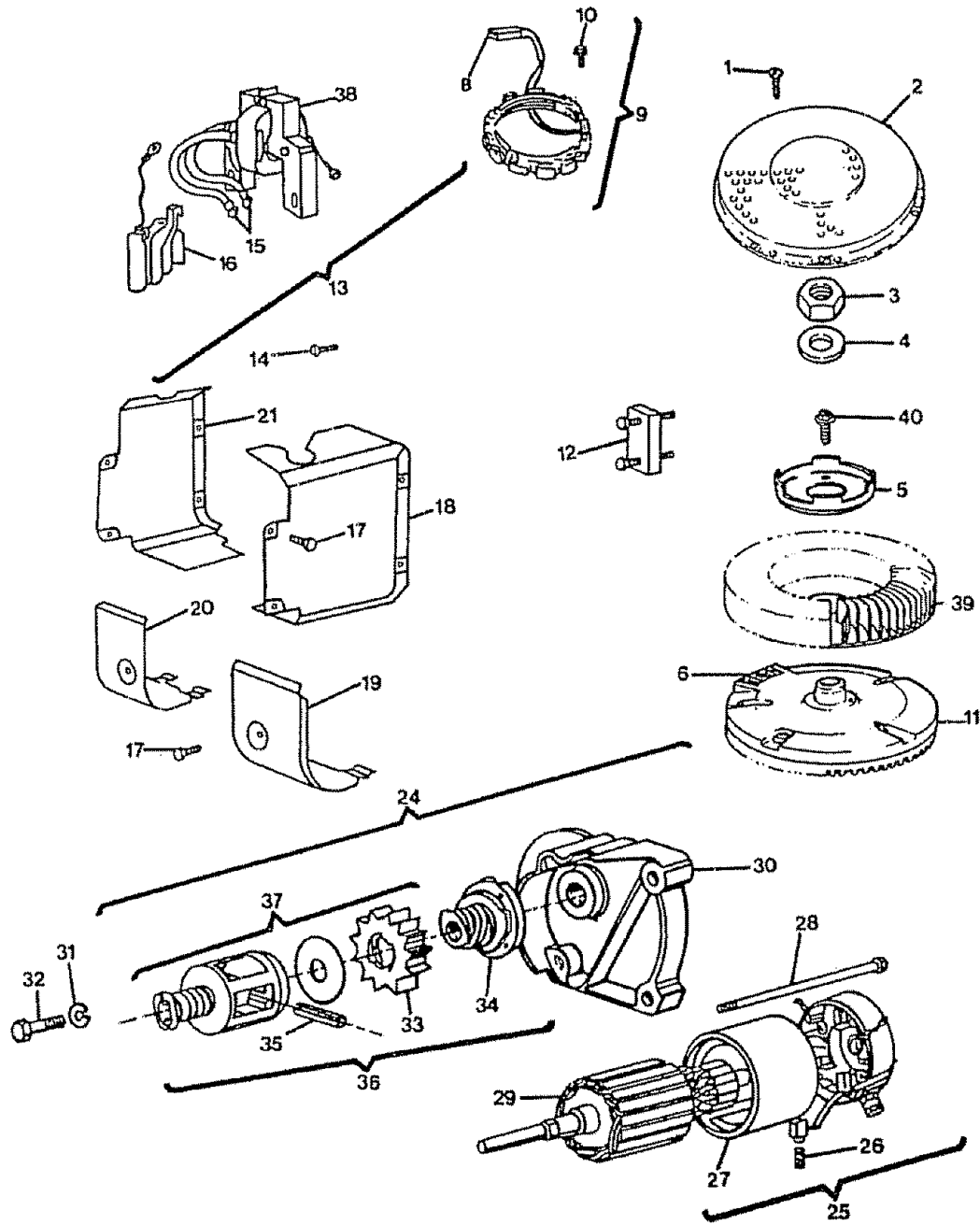
KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
1	212706	Knob - Air Cleaner	40	393815	Impulse Line and Clamp Assembly (Inc. Key No. 41)
2	94289	Nut - Hex	41	93053	Clamp - Fuel Line
3	223579	Cover - Air Cleaner	42	397882	Plug and Seal, Solenoid
4	271271	Element - Air Cleaner	43	280474	O-Ring Seal
5	224039	Mounting Strap Assembly - Air Cleaner	44	491538	+Valve Assembly - Carburetor Idle
6	94166	Screw - Hex Head	45	392672	Shaft and Lever - Throttle
7	398826	Body - Air Cleaner	46	271013	+Washer - Choke Shaft
8	491427	Carburetor Assembly (Inc. Key Nos. 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 62 & 63)	47	26157	Spring - Throttle Adjustment
9	399327	Body Assembly, - Upper Carburetor	48	91920	Screw - Machine Fill. Hd. (8 - 32 x 5/8)
10	271411	Gasket - Air Cleaner	49	270988	xDiaphragm
11	93499	Screw - Throttle and Choke	50	261358	xSpring
12	223534	Valve - Choke	51	221377	xCap - Spring
14	392673	Shaft and Lever - Choke	52	261395	xSpring - Pump
15	271609	+Gasket - Carburetor Body	53	223688	Cover - Diaphragm
16	298514	Float - Carburetor	54	93829	Screw - Diaphragm - Damping
17	94152	Screw - Hex Head Sem (10 - 32 x 3/4)	55	271025	xGasket - Carburetor Pump
18	491531	Body - Lower Carburetor (Inc. Key Nos. 11, 19, 20, 45 & 46)	56	270989	xDiaphragm - Damping
19	231209	Brushing - Throttle Shaft	57	280197	Body - Pump
20	223370	Valve - Throttle	58	394501	Gasket Set
21	271412	* Gasket - Carburetor and Intake	59	394019	Cartridge - Air Cleaner
22	93897	Elbow	60	223472	Plug - Welch
23	93971	Screw - Sem	61	223714	Cartridge Plate - Air Cleaner
24	280818	Screw - Hex Head	62	230896	+Pin - Float Hinge
25	270884	Crank - Bell	63	394681	+Valve - Fuel Inlet
26	93208	* Gasket - Intake Manifold Mounting	64	271013	Washer
27	93970	Screw - Intake Manifold Mounting	65	231339	Jet Needle Valve
28	261587	Screw - Hex Head	66	490207	Crank - Bell
29	280319	Link - Throttle	67	262375	Link
30	213290	Spacer - Carburetor	68	223893	Bracket-Control Cable
31	93949	Manifold Assembly - Intake	69	221535	Clamp
32	262351	Screw - Sem	70	93496	Screw Hex - Head
33	491297	Spring - Governor	71	393397	Repair Kit - Pump
34	92278	Lever Assembly - Governor (Inc. Key Nos. 34, 35 & 37)	72	491539	Overhaul Kit - Carburetor
35	222289	Nut - Hex (10 - 24)	73	94298	Nut - Square
36	261563	Washer	74	223882	Washer
37	93853	Spring - Governor Idle	75	262337	Spring - Compression
38	261586	Bolt, Governor Lever	76	94297	Screw - Pan Head
39	491282	Link - Governor			
		Bracket - Speed Control			
					* INCLUDED IN GASKET SET NO 394501
					+ INCLUDED IN CARBURETOR OVERHAUL KIT NO. 491539
					x INCLUDED IN CARBURETOR OVERHAUL KIT NO. 491539 AND PUMP REPAIR KIT NO. 393397

REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710

ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01

ALTERNATOR AND STARTER MOTOR GROUP



REPAIR PARTS

14 HP 38" RIDING YARD TRACTOR - MODEL NUMBER 917.254710
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 400707, TYPE NUMBER 1507-01
 ALTERNATOR AND STARTER MOTOR GROUP

KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
1	94326	Screw - Sem	20	222846	Shield - Cylinder
2	222673	Screen - Flush Rotating	21	222848	Cover - Air Guide
3	230674	Nut - Hex	24	394808	Motor - Starting (Inc. Key Nos. 25, 26, 27, 28, 29, 30, 33, 34, 35, 36 & 37)
4	222511	Washer - Spring			
5	223726	Retainer - Fan	25	395537	Commutator End Cap Assembly
6	491180	Flywheel and Ring Gear Assembly - Magneto			Starter (Inc. Key No. 26)
8	393456	Connector Assembly (Dual Circuit)	26	395538	Brush Set
9	393474	Stator - Alternator (Dual Circuit) (Inc. Key No. 8)	27	393825	Housing Assembly
10	93621	Screw - Sem	28	94003	Thru Bolt
11	391362	Gear - Flywheel Ring (Includes Mounting Parts)	29	390837	Armature Assembly (Motor)
12	19203	Puller - Flywheel (Optional Accessory)	30	394860	Drive End Cap Assembly - Starter
13	394891	Armature Group (Inc. Key Nos. 15, 16 & 38)	31	90366	Lockwasher
14	93381	Screw - Armature Mounting Sem	32	91162	Screw - Hex Head (5/16 - 18 x 1-1/2)
15	221798	Terminal - Ignition Cable	33	280104	Gear - Starter
16	394970	Trigger Coil Assembly - Magnatron Ignition	34	398003	Clutch Assembly - Starter
17	93163	Screw - Sem	35	94192	Roll Pin
18	222849	Cover - Air Guide	36	393254	Pinion Spring Kit (Inc. Key Nos. 33 & 35)
19	222847	Shield - Cylinder	37	396865	Starter Drive Group (Inc. Key Nos. 33, 34, 35 & 36)
			38	394988	Armature Assembly
			39	280815	Fan - Flywheel
			40	93535	Screw - Sem

Attachments That Add to the Usefulness of Your Craftsman Yard Tractor

Sears offers a wide variety of attachments that fit your tractor. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years — more attachments may be added, changes (including changes in the stock number) may be made in these attachments, or some may no longer be available.

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and detaching. You may order these attachments at most Sears retail stores, catalog sales offices, and through the catalog.

PERMANEX BAGGER lets you collect grass clippings and leaves for a healthier neater-looking lawn. Two Permanex containers hold 30-gallon plastic bags. Stock number 71-24940

LAWN SWEEPERS let you collect grass clippings and leaves.

71-24030		30-in.	9.0 cu. ft.
71-24032		32-in.	10.0 cu. ft.
71-24033	High-Performance	32 in.	11.5 cu. ft.
71-24038	High-Performance	38-in.	12.5 cu. ft.

LAWN VACS for powerful collections of heavy grass clippings and leaves. Wand attachment to pick up debris in hard-to-reach places.

71-2455	3HP	8 bu.	71-26471 chute
71-2452	3HP	12 bu.	71-26471 chute

CARTS make hauling easy

71-24353	4 cu. ft.	400 lb.	Dump cart
71-24354	10 cu. ft.	1,000 lb.	Hauling cart
71-24355	10 cu. ft.	1,000 lb.	Dump cart
71-24356	14 cu. ft.	1,250 lb.	Dump cart

ROLLER for smoother lawn surface. 36-inch wide, 18 inch diameter water-light drum holds up to 390 lb. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum. Stock number 71-24084.

SPREADER/SEEDERS make seeding, fertilizing, and weed killing easy. Broadcast spreaders are also useful for granular de-icers and sand.

71-24194	Drop type, 36 inch. 12 in. semi-pneumatic wheels. 100 lb. capacity steel hopper.
71-24394	Broadcasts over a 5 to 8 foot swath. 70 lb. capacity steel hopper. Noncorrosive spreading spinner, nylon gear box, stainless steel shaft.
71-24395	Broadcasts 8 to 10 foot swath. 160 lb. capacity. No-rust polypropylene hopper and impeller. Vinyl hopper cover.

CORING AERATOR takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray. Stock number 71-25351

AERATOR promotes deep root growth for a healthy lawn. Tapered 2.5" steel spikes mounted on 10-in. diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration. Stock number 71-2435.

DETHATCHER loosens and flips thatch and matted leaves to lawn surface for easy pick up. Twenty spring tine teeth. Useful to prepare bare areas for reseeding. 40 inch rear mount. Stock number 71-24313.

SPRAYERS use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying when pulling, and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides, and liquid fertilizers.

71-2458	50 psi maximum pressure with 12 foot wand length. Sprays up to 25 feet with wand.
71-24398	25 psi maximum pressure with 10 foot wand length. Sprays up to 18 feet with wand.

SNOW BLADE for snow removal only. 14 inch high, 42 inch wide blade clears 38 inch path when angled left or right. Raises, lowers with side lever. Adjustable skids; replaceable, reversible scraper bar. (Use with tire chains, wheel weights, or rear drawbar weight). Stock number 71-24407.

SNOWTHROWER has 40-inch swath. Drum-type auger handles powdery and wet/heavy snow. Mounts easily with simple pin arrangement. Discharge chute adjusts to 210 degree arc from tractor seat. 6-inch diameter spout discharges snow 10 to 50 ft. Lift controlled at tractor seat. (Use with tire chains, wheel weights, or rear drawbar weight). Stock No. 71-24072.

TIRE CHAINS are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction. Stock No. 71-24952

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. Stock No. 71-24435 (33 lb. each)

TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal frame doors with catch. Keeps operator warm and dry. Remove vinyl and windshield for use as sun protector in summer. Stock No. 71-24172.

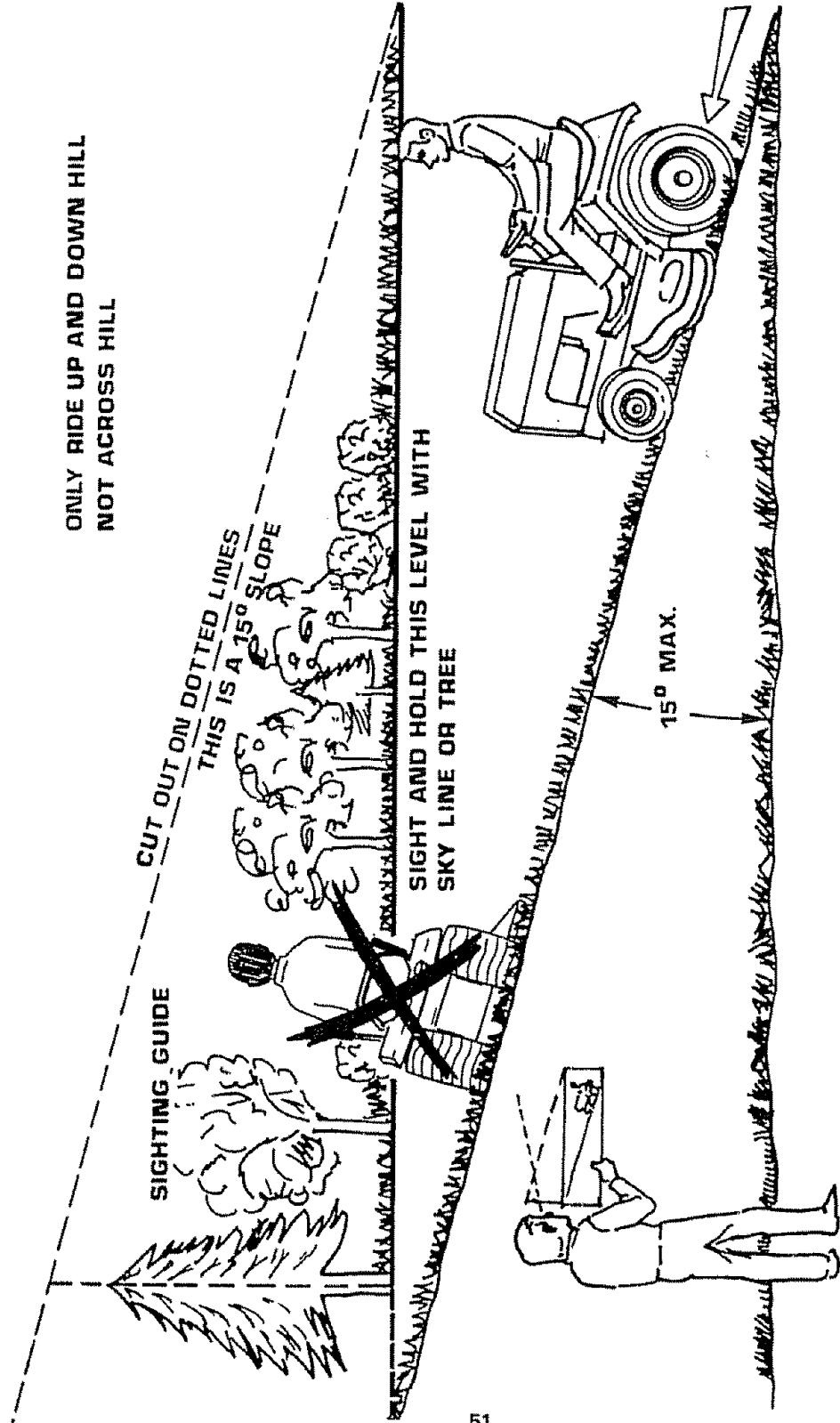
Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper (Stock No. 71-25168); 12-volt amber caution light for mounting on cab top (Stock No. 71-25169).

TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain-tear-puncture resistant, will not shrink or stretch). Stock No. 71-24601.

TILLER cultivates and prepares soil in one operation. Uses PTO from tractor, 12 counter-rotating blades break ground with upper-cut action, then deflects and retills it for a soft, aerated soil. Chain-Drive transmission. Tills 21-inch path, 6-inches deep. (Use chains and wheel weights) Stock No. 71-25246

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL



Operate your Tractor up and down the face of slopes (not greater than 15°); never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.



SEARS

**OWNERS
MANUAL**

**MODEL NO.
917.254710**

**HOW TO ORDER
REPAIR PARTS**

**CRAFTSMAN
YT 14 TWIN CYLINDER
5 SPEED - 38" MOWER
YARD TRACTOR**

The Model Number will be found on the Model Plate located under the seat. Always provide the Model Number when requesting service or repair parts for your Yard Tractor.

All parts listed herein may be ordered from any Sears Service Center/Departments and most Sears Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- ① THE PART NUMBER
- ② THE PART DESCRIPTION
- ③ THE MODEL NUMBER
- ④ THE NAME OF MERCHANDISE

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians having the parts, tools and the equipment to insure that we meet our pledge to you, "We Service What We Sell".