

**SEARS**  
**OWNERS**  
**MANUAL**

**MODEL NO.**  
**917.254232**

**FILE COPY**

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

Possibly the same as a  
944.605110. USE  
CAUTION WHEN  
ORDERING PARTS FROM  
THIS IPL

**FILE COPY**



**FILE COPY**

**CRAFTSMAN**

**LT 11 HP ELECTRIC START**  
**5 SPEED - 38" MOWER**  
**LAWN 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.



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

CAUTION: 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 the Repair Parts Section, page 32.

**CONGRATULATIONS** on your purchase of a Sears Lawn 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 cannot use attachments that engage the ground like a plow, harrow, cultivator, or tiller. 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 ONE YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT**

For one year 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

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# ASSEMBLY

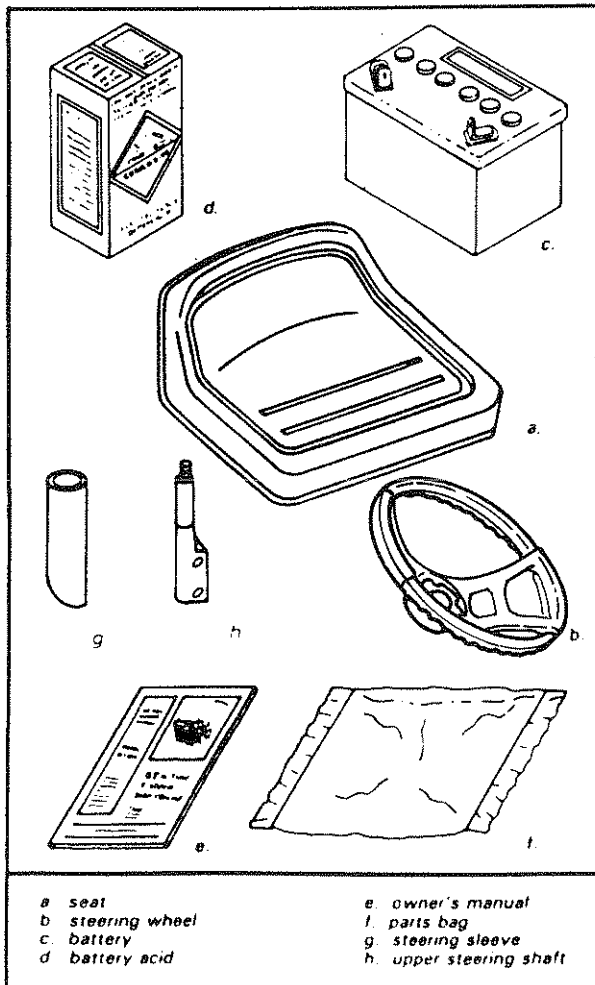
## 1. Unpack Tractor

- a. Take items out of box. The box contains the items shown below.
- b. Cut down four corners of the carton with a utility knife and fold down sides.
- c. Disengage Parking Brake.
- d. Install Steering Wheel
  1. Slide upper steering shaft over lower steering shaft until bolt holes line up with slots in lower steering shaft (Fig. 1).
  2. Use two hex bolts  $3/8 - 16 \times 1-1/4$  and two locknuts  $3/8 - 16$  to retain upper steering shaft to lower steering shaft. Tighten securely.
  3. Position Steering Sleeve over steering shaft assembly.
  4. For easier assembly, tilt tube towards front of tractor.
  5. Place bottom of Steering Sleeve over two front prongs on steering bushing.
  6. Squeeze the two steering sleeve retainers inward to allow Steering Sleeve to pass over retainers.

7. Push Steering Sleeve down aligning notch on Steering Sleeve with tab on steering bushing.
  8. Place steering wheel adapter on upper steering shaft.
  9. With front wheels pointed straight ahead, place steering wheel on steering wheel adapter. Bars of steering wheel should point straight across tractor.
  10. Place 2 -  $1/4''$  diameter washer on upper steering shaft and install a  $1/2''$  locknut (washer and locknut found in bag of parts). Tighten securely.
  11. Snap insert into steering wheel.
- e. Remove plastic on tractor hood.
  - f. Raise attachment lift handle.
  - g. Roll Tractor off skid. Be careful of staples in skid.



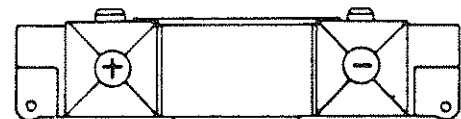
The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before starting your tractor and while moving. We recommend Wide Vision Safety Mask for over the spectacles or standard safety glasses, available at Sears Retail or Catalog Stores.



### Parts Bag Contents Not Shown Full Size:



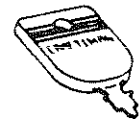
(2) Battery Carriage Bolts -  $1/4 - 20 \times 7 - 1/2$



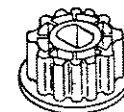
Terminal Guard



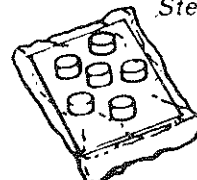
15° Slope Instruction Sheet



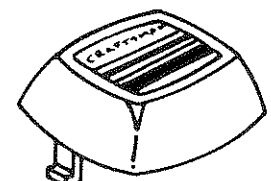
(2) Keys



Steering Wheel Adapter

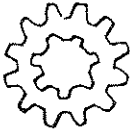



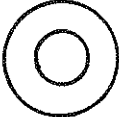

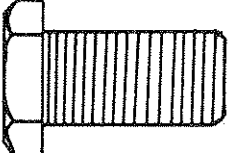
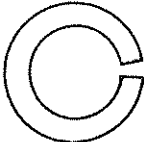
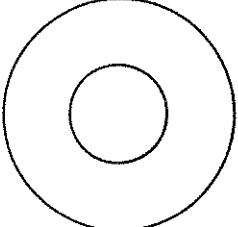
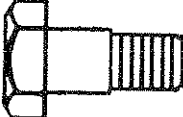
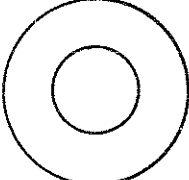
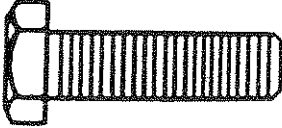

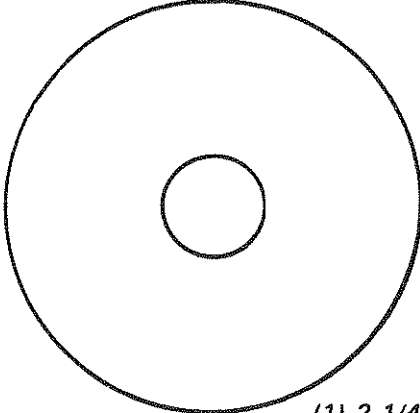



Battery Caps  
And Instructions



Steering Wheel Insert

# ASSEMBLY

ASSEMBLY LOCATION	PARTS BAG CONTENTS SHOWN FULL SIZE
<p><b>BATTERY</b></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(2) Lockwasher, 1/4 Int/Ext Tooth</p> </div> <div style="text-align: center;">  <p>(2) Wing Nut - 1/4 - 20</p> </div> </div>
<p><b>BATTERY TERMINALS</b></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(2) Hex Bolt, 1/4 - 20 x 3/4</p> </div> <div style="text-align: center;">  <p>(2) Lockwasher 1/4</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>(2) Washer 9/32 x 5/8 x 16 Ga.</p> </div> <div style="text-align: center;">  <p>(2) Hex Nut, 1/4 - 20</p> </div> </div>
<p><b>SEAT</b></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(1) Hex Bolt, 1/2 - 13 x 1 Grade 5</p> </div> <div style="text-align: center;">  <p>(1) Lockwasher 1/2</p> </div> <div style="text-align: center;">  <p>(1) Washer 17/32 x 1-3/16 x 12 Ga.</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>(1) Shoulder Bolt 5/16 - 18</p> </div> <div style="text-align: center;">  <p>(1) Washer 15/32 x 1 x 16 Ga.</p> </div> </div>
<p><b>UPPER STEERING SHAFT</b></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(2) Hex Bolt 3/8 - 16 x 1 - 1/4</p> </div> <div style="text-align: center;">  <p>(2) Hex Locknut 3/8 - 16</p> </div> </div>
<p><b>STEERING WHEEL</b></p>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>(1) 2 1/4" Dia. Washer</p> </div> <div style="text-align: center;">  <p>(1) Locknut, 1/2-20</p> </div> </div>

# ASSEMBLY

To assemble tractor you will need:

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

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.**

## 2. Prepare Battery

Fill and charge battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY VENT CAPS FOUND IN BAG OF PARTS.

- Fill each cell with battery acid. Add the acid until it reaches the bottom of the vent tubes (Fig. 3). Do not add the acid beyond this level or the additional acid can come out when the battery is charged.
- After cells are filled, tilt battery from side to side to release air bubbles.
- Allow battery to stand and settle for at least thirty minutes. If the level of acid falls below the point described in step (a), add more acid until the correct level is reached. Install the battery caps, found in the bag of parts, to cover the vent tubes. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- 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.
- Use a 12 volt battery charger. Charge battery at a rate of 6 amperes for 1 hour. NOTE: OBSERVE SAFETY PRECAUTIONS, LISTED IN BOX ABOVE, REQUIRED FOR BATTERY CHARGING. Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.

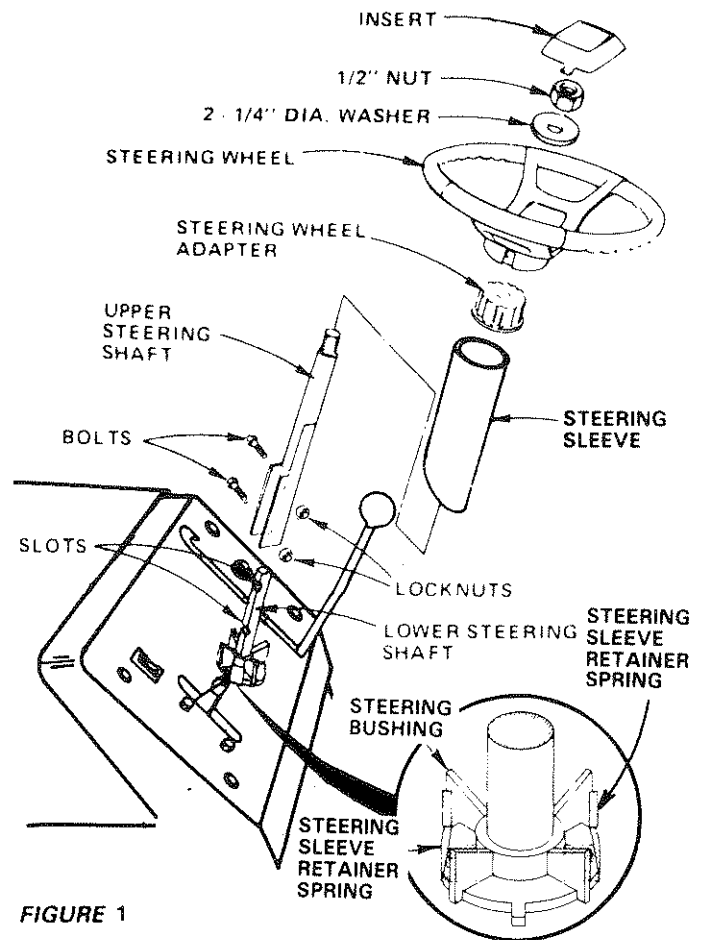


FIGURE 1

## 3. Install Seat.

Seat position should be adjusted forward or backward so that the operator can comfortably reach Clutch/Brake Pedal and safely operate tractor.

- Place seat on seat pan. Screw hex head machine screw, lockwasher and flat washer into seat (Fig. 2). Screw shoulder bolt and flat washer into seat (Fig. 2). Machine screw, shoulder bolt and flat washers found in bag of parts (shown full size on page 6).
- Tighten shoulder bolt and flat washer using a 1/2" wrench.
- Tighten machine screw, lockwasher and flat washer using a 1/2" wrench.
- 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.
- To adjust: Raise seat. Loosen machine screw. Slide seat to desired position. Tighten machine screw securely.



**MACHINE SCREW-LOCKWASHER-FLAT WASHER MUST BE TIGHTENED SECURELY TO PREVENT MOVEMENT OF SEAT.**

# ASSEMBLY

## 4. Check Tires

Check the air pressure in the tires. Tires with too much air pressure will cause the unit to ride rough. The wrong air pressure will also keep the mower from cutting level. The correct air pressure is shown on the side of the tires. If the air pressure is not shown, set to pressures shown in the REPAIR AND ADJUSTMENT section (page 14).

## 5. Install Battery



**BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC. FROM YOUR PERSON. TOUCHING THESE ITEMS TO BATTERY TERMINALS COULD RESULT IN BURNS.**

- a. Lift seat (Fig. 2).
- b. Lower battery into fender well with battery terminals toward front of tractor (Fig. 4). Make sure battery rests in battery tray (Fig. 4).

NOTE: BE SURE BATTERY DRAIN TUBE IS SECURELY ATTACHED TO BATTERY TRAY DRAIN.



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

- c. Connect **RED** battery cable to positive (+) battery terminal with hex bolt, flat washer, lockwasher and hex nut (shown full size on pg. 6) found in bag of parts. Tighten securely with two 7/16" wrenches. (Fig. 4)
- d. Connect **BLACK** ground cable to negative (-) battery terminal with remaining hex bolt, flat washer, lockwasher and hex nut (shown full size on pg. 6) found in bag of parts. Tighten securely. (Fig. 4)
- e. To prevent corrosion, apply grease to the battery terminals after installing cables.
- f. Using the key hole on one side of the battery support (Fig. 5) slide battery bolt into frame key hole (head of bolt down). Fasten the battery bolt to the terminal guard using internal/external lockwasher, wing nut, (shown full size on pg. 6) as shown in Fig. 5.
- g. Assemble the remaining battery bolt to other side of battery support and fasten terminal guard to it with remaining internal/external lockwasher and wing nut, (Shown full size on pg. 6). Tighten wing nuts securely by hand (Fig. 5).

NOTE: KEEP TERMINAL ACCESS DOORS CLOSED WHEN NOT IN USE.

CAUTION: DO NOT START ENGINE UNTIL YOU HAVE REVIEWED THE OPERATION SECTION OF THIS MANUAL.

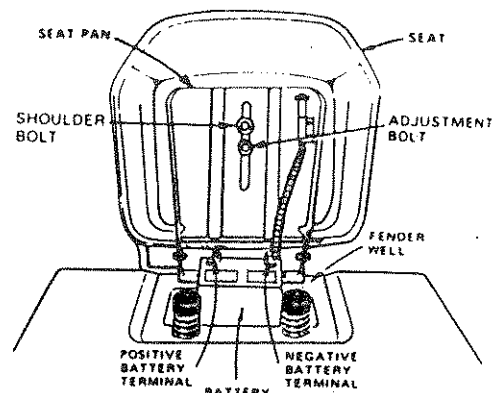


FIGURE 2

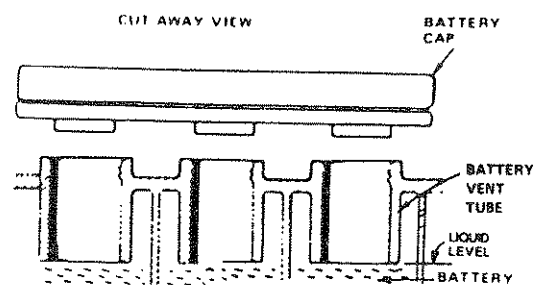


FIGURE 3

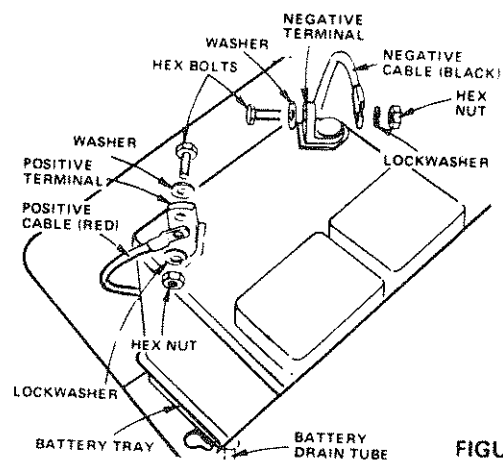


FIGURE 4

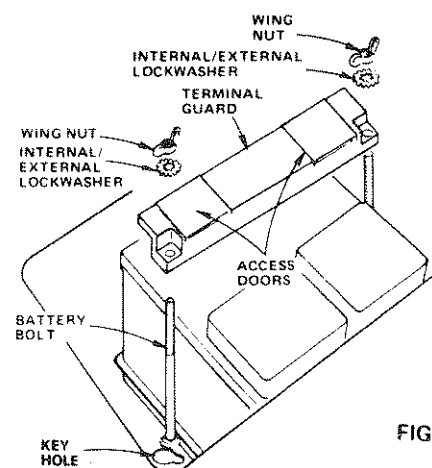


FIGURE 5

## 6. Maintenance After First 2 Hours (Two Mowings)

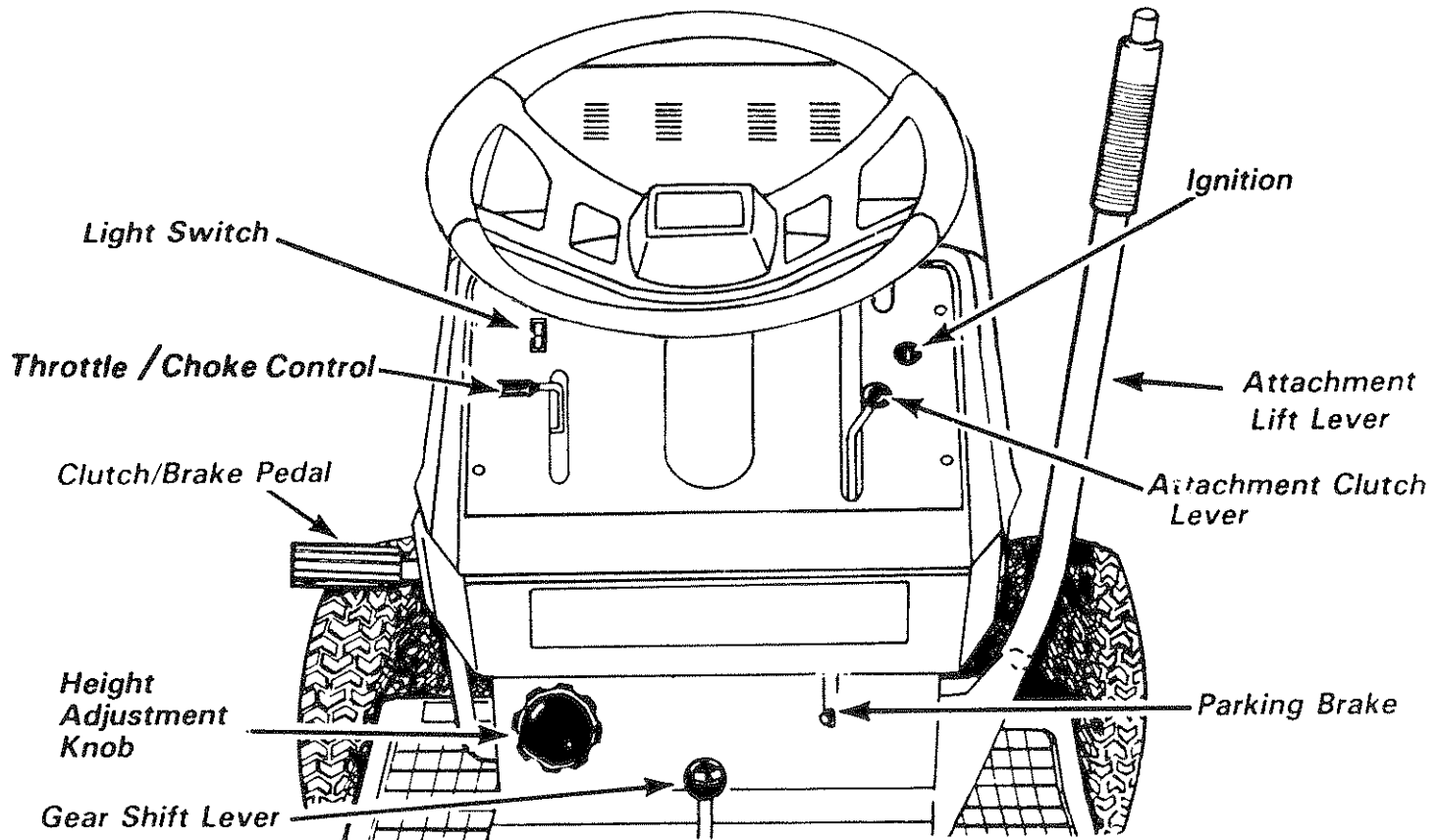
Changing oil after the first two hours (or two mowings) will help eliminate break-in residue which might be damaging to your engine.



# OPERATION

## KNOW YOUR TRACTOR

**READ THIS OWNER'S MANUAL BEFORE OPERATING YOUR LAWN TRACTOR.** If you understand the unit and its operation, you will achieve efficient and peak performance. While reading the manual, compare the illustrations with your Lawn 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 Lawn Tractor and to prevent injury to yourself and others. Be sure to pay strict attention to all warnings and cautions: they are included for your safety. Save this manual for future reference.



**ATTACHMENT CLUTCH LEVER:** Push lever up to engage attachment. 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. Pull lever back slightly and push button, then 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.

**ATTACHMENT 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.

**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. The switch spring returns from the start position.

**LIGHT SWITCH:** Turns the headlights on and off.

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

**THROTTLE/CHOKE CONTROL:** Use the throttle control to increase or decrease the speed of the engine, and to choke the engine for starting. Push lever to the right and forward to choke.

# OPERATION

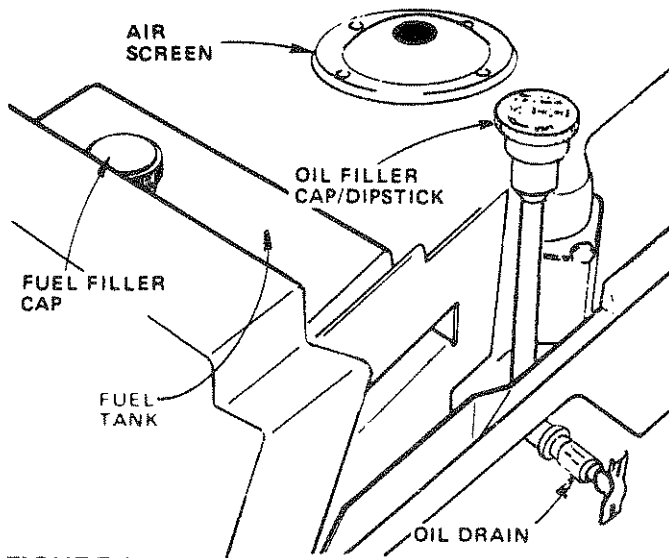


FIGURE 6

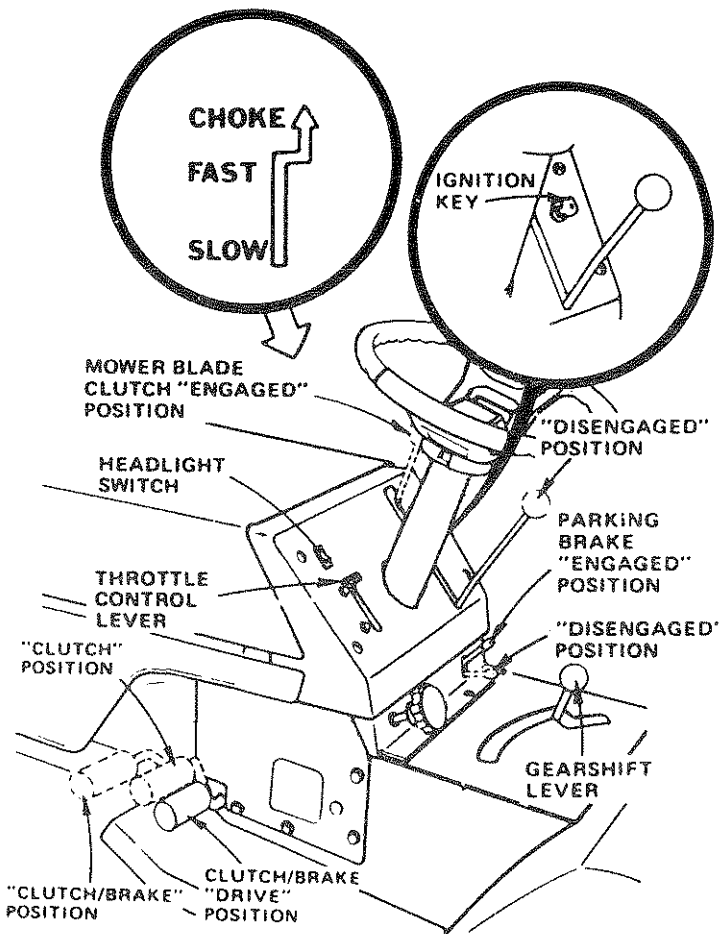


FIGURE 7

## 1. Stopping Your Tractor

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

- Push clutch-brake pedal into full "BRAKE" position. Keep your foot on pedal.
- Place attachment clutch lever in "DISENGAGED" 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.
- Move throttle control to "S" (slow) position.
- Turn ignition key to "OFF" position. Never use choke to stop engine.

## 2. Preparing The Engine



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

- This engine has been shipped filled with summer weight oil (For cold weather operation see chart page 16). Check engine oil level. Refer to REPAIR AND ADJUSTMENT section (page 16).
- Fill fuel tank (Fig. 6). Use fresh, clean, regular unleaded gasoline. Capacity is 5 quarts.



**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.**

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.

### 3. Starting The Engine

- a. Move throttle control lever (Fig. 7) past "FAST" to the "CHOKE" position.
- b. Turn ignition key to "START" and release key as soon as engine starts.

**CAUTION: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE.**

- c. If engine does not start after four or five tries, move throttle control lever to "FAST" position, wait a few minutes and try again. If the engine does not start after four or five more tries, see the TROUBLESHOOTING Chart (page 25).
- d. After the engine starts move throttle control lever slowly to the "SLOW" position.
- e. To start a hot engine move the throttle control lever to a position between "FAST" and "SLOW".



**READ THE "RULES FOR SAFE OPERATION" CAREFULLY BEFORE OPERATING YOUR MOWER.**

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



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



#### **CAUTION TO AVOID INJURY**

1. Read owner's manual.
2. Know location and function of all controls.
3. Keep guards, safety shield and switches in place and working.
4. Remove objects that can be thrown by blades.
5. Do not mow when children and others are around.
6. Never carry children or passengers.
7. Always look behind machine before backing.
8. Do not mow where machine can tip or slip.
9. If machine stops going uphill, stop blades and back slowly down.
10. Be sure blades and engine have stopped before placing hands or feet near the blades.
11. Remove key when leaving machine.



**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.**

## OPERATION

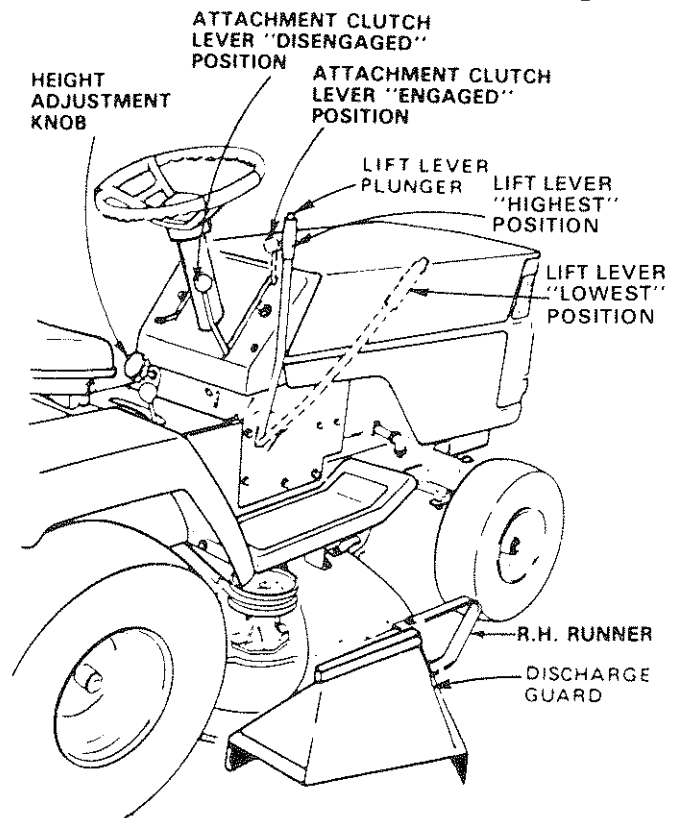


FIGURE 8

### 4. Operating Your Lawn Tractor & Mower



**DO NOT OPERATE THE MOWER WITHOUT THE DEFLECTOR SHIELD (DISCHARGE GUARD) IN PLACE.**

**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 LEVER ENGAGED WILL SHUT OFF THE ENGINE.**

- a. Move the attachment lift lever to the high position and adjust height of cut to mid range. See Fig 8.
- b. Start the engine. (See Starting the Engine)
- c. Move the throttle lever to mid range position. Select a low (1st or 2nd) gear until you become more familiar with the operation of the unit.
- d. Slowly release clutch brake pedal and proceed to the mowing area.
- e. Stop the unit, then select a mowing speed. (See Speed Selection Guide, page 12).
- f. Move throttle lever to half throttle and slowly move attachment clutch lever to engaged position, Fig. 8.

# OPERATION

- g. Slowly release clutch brake pedal.
- h. Move throttle lever to fast position.
- i. Observe height of cut and readjust as desired.

**CAUTION: BEFORE YOU MOVE THE GEAR SHIFT LEVER, COME TO A COMPLETE STOP. FAILURE TO DO SO CAN RESULT IN GEAR BOX DAMAGE.**

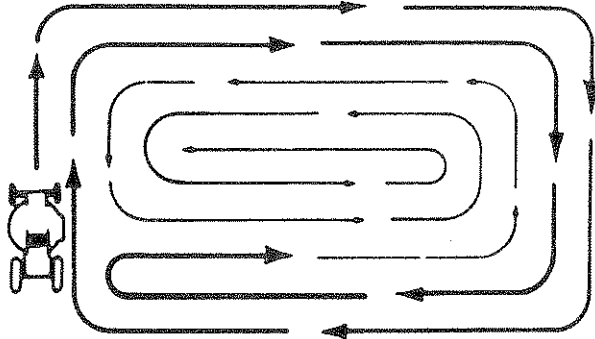


FIGURE 9

SPEED SELECTION GUIDE		
FUNCTION	GEARSHIFT	THROTTLE
Normal Mowing	2 or 3	
Heavy Mowing	1 or 2	
Snow Blowing	1	FAST
Snow Blade	2	
Transport	4-6	
		SLOW - FAST

## 5. Mowing Tips

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

- a. Mower should be adjusted properly front to back and side to side for good mowing performance. Refer to REPAIR AND ADJUSTMENT section (page 22).
- b. Use the runner on the R.H. side as a guide; the blade cuts approximately an inch outside the runner (Fig. 8).
- c. 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.
- d. When mowing large areas (Fig. 9), start by turning to the right so that the clippings will discharge away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction making left hand turns until finished.
- e. If grass is extremely tall, it should be mowed twice. The first time cut relatively high; the second time to the desired height.
- f. The left hand side of mower should be used for trimming.
- g. See Speed Selection Chart.

## 6. 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.
- e. To restart tractor movement, make sure tractor is in the lowest speed range ("1st" Gear) and release clutch-brake pedal SLOWLY.
- f. Make all turns gradually.

# MAINTENANCE

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

## 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 17).



BEFORE MAKING ANY INSPECTION, ADJUSTMENT, OR REPAIR:

1. PUSH CLUTCH/BRAKE PEDAL COMPLETELY DOWN.
2. MOVE GEAR SHIFT CONTROL LEVER TO NEUTRAL POSITION.
3. PLACE PARKING BRAKE IN "ENGAGED" POSITION. REMOVE FOOT FROM PEDAL.
4. DISENGAGE ATTACHMENT CLUTCH LEVER.
5. SHUT OFF THE ENGINE.
6. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED.
7. DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE SPARK PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING. BE CAREFUL TO AVOID TOUCHING HOT ENGINE OR MUFFLER COMPONENTS.

# SERVICE RECORD

(Enter Date Maintenance Performed)

SERVICE RECORD	SCHEDULE							
	FIRST 2 HOURS	EVERY 5 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS			
Fill in dates as you complete regular service								
Blades - sharpen			✓					
Brake Adjustment			✓					
Check Battery				✓				
Change Engine Oil	✓			✓				
Check Engine Oil level		✓						
Clean Air Cleaner Element				✓				
Check Muffler				✓				
Clean Air Screen				✓				
Clean Front Grill				✓				
Lubricate Tractor				✓				
Replace Spark Plug					✓			
Replace Air Cleaner Element					✓			
Check Tire Pressure			✓					

# REPAIR AND ADJUSTMENT

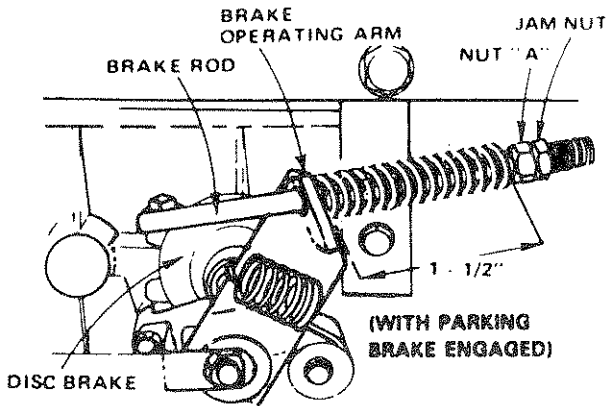


FIGURE 10

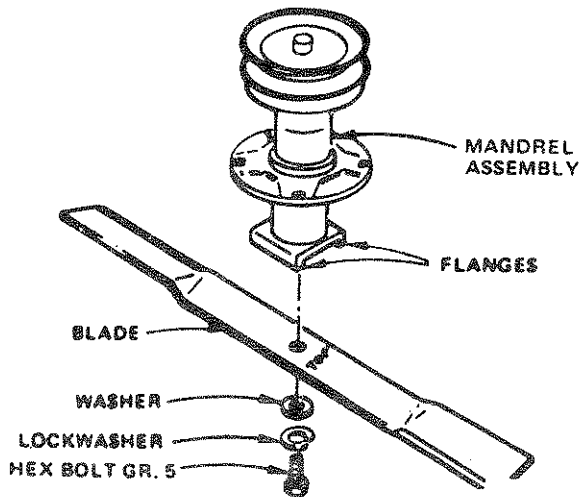
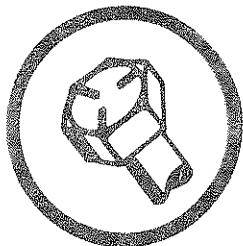


FIGURE 11



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

## 1. Brake Adjustment

This tractor is equipped with an adjustable brake system mounted on the right side of the transaxle (Fig. 10).



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

- 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. 10) and turn nut "A" until distance becomes 1-1/2", Retighten jam nut against Nut "A".

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 Care

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. If you mow in sandy soil check the blades after each two mowings. The sand wears the blade away rapidly.

### a. Blade Replacement

Raise mower to highest position to permit access to blades.

- Remove the hex head bolt, lockwasher and flat washer (Fig. 11) (turn counterclockwise) (↺).
- Remove and discard old blade.
- Clean top and bottom of mower housing.
- Install new blade with SHARP EDGE DOWN and secure with flat washer, lockwasher and hex head bolt. **TIGHTEN SECURELY.**



**ALWAYS USE GRADE 5 HEAT TREATED BOLTS TO ATTACH BLADES. DO NOT USE PLATED BOLTS. CHECK BOLTS IN BLADES OCCASIONALLY TO MAKE SURE BOLTS ARE TIGHT. TORQUE BOLTS TO 30 - 35 FT.- LBS.**

- When grinding, care should be taken to maintain blade balance and the blade should be checked for proper balance before reinstallation on mower. An unbalanced or bent blade will cause excessive vibration when running, and eventual damage to mower or engine. Replace bent or damaged blades.

# REPAIR AND ADJUSTMENT

- c. 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. 12). NOTE: CENTER HOLE OF BLADE ON NAIL, IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 12. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED. SHARPEN THE HEAVY END UNTIL BLADE IS BALANCED.

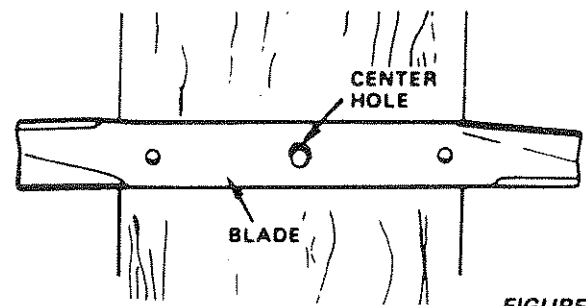


FIGURE 12

## 4. BATTERY CARE

### Check Battery

- a. Battery acid solution level in each battery cell should be even with bottoms of vent tubes in cells (Fig. 13). Add ONLY distilled or iron free water if necessary. NOTE: DO NOT OVERFILL.
- b. Keep battery and terminals clean.
- c. Keep battery bolts tight.
- d. Keep vent caps tight and small vent holes in caps open.
- e. Recharge at 6 amperes for 1 hour if necessary.

### Clean Battery and Terminals

Corrosion and dirt on the battery and terminals cause the battery to "leak" power and hinders the operation of the charger.

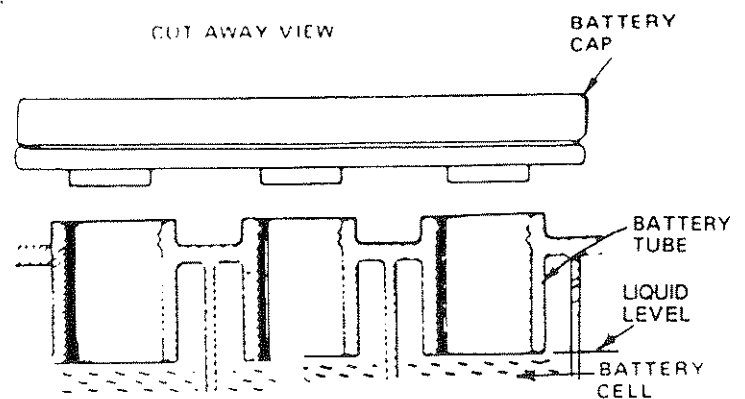


FIGURE 13



**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 vasoline after installation of cables.
- g. Replace terminal guard.

# REPAIR AND ADJUSTMENT

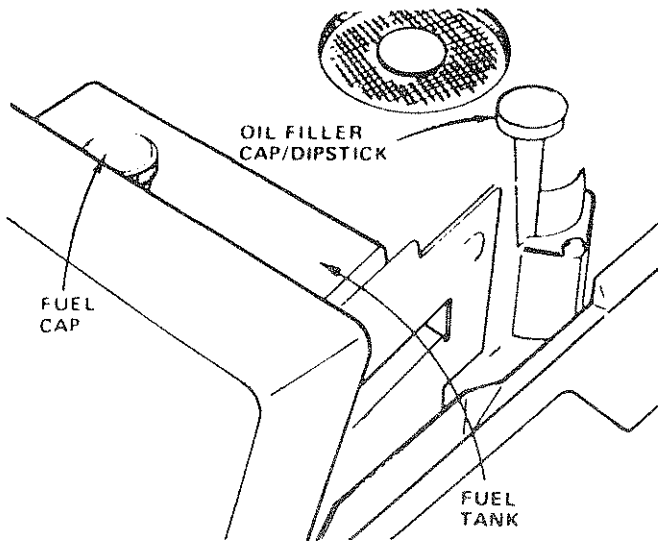


FIGURE 14

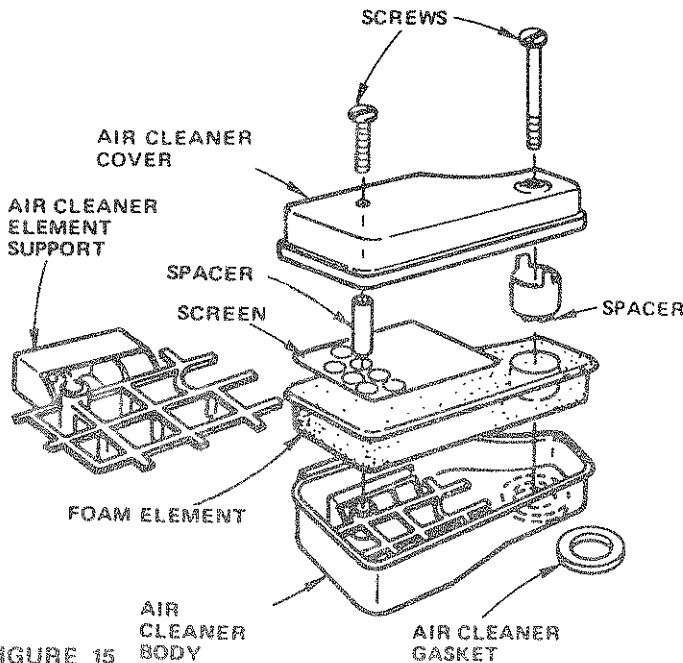


FIGURE 15

## 5. Change Engine Oil

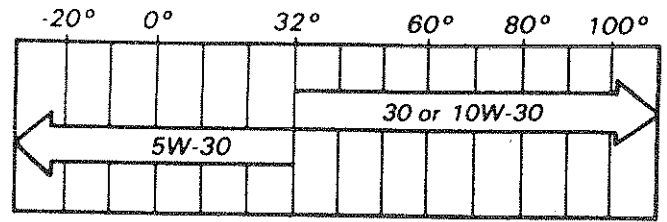
The best time to change engine oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot oil.

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.

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

### 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.



## 6. Check Engine Oil Level

**NOTE: 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. 14) 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.**

## 7. Clean Air Cleaner Element (Fig. 15)

- Open hood.
- Remove two screws from air cleaner cover. Lift off air cleaner (Fig. 15).
- Remove screen spacers from foam element.
- Remove foam element from air cleaner body.
- Wash foam element in liquid detergent and water to remove dirt.
- Wrap foam element in cloth and squeeze dry.
- Lightly coat foam with engine oil. Squeeze in rag or towel to remove excess oil. Do not saturate.
- Replace foam element and replace cover on air cleaner body.

extends over edge of the air cleaner body. The foam element lip will form a protective seal.

**NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.**

## 8. Clean Air Screen and Engine Cooling Fins



**ALWAYS WEAR EYE AND FACE PROTECTION WHEN USING COMPRESSED AIR.**

Keep Engine Cooling Fins free of dust, dirt and oil to prevent Engine damage from overheating. (Fig. 16).

- Remove four Bolts from Blower Housing.
- Remove Screws from Starter Housing.
- Pull Oil Filler/Dipstick out of crankcase if clearance is required. Cover opening to prevent entry of dirt.
- Pull blower housing up and away from starter.

**NOTE: LEAVE AIR CLEANER IN PLACE TO PREVENT DEBRIS FROM GETTING INTO CARBURETOR.**

- Use compressed air or stiff bristle brush to thoroughly clean Engine Fins.
- To reassemble, reverse above procedure.



# REPAIR AND ADJUSTMENT

## 9. Check Muffler

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



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

## 10. Lubricate Pivot Points

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

- Front axle pivot
- Hood hinges
- Foot pedal shaft (both ends)
- Lift shaft (both ends)

See Lubrication Chart page 24.

## 11. 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. 17)
- 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. 18) NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.
- Disconnect cables in reverse order:
  - L.H. Side Panel Bolt (Fig. 18)
  - Negative terminals of fully charged battery
  - Positive terminals



**DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.**

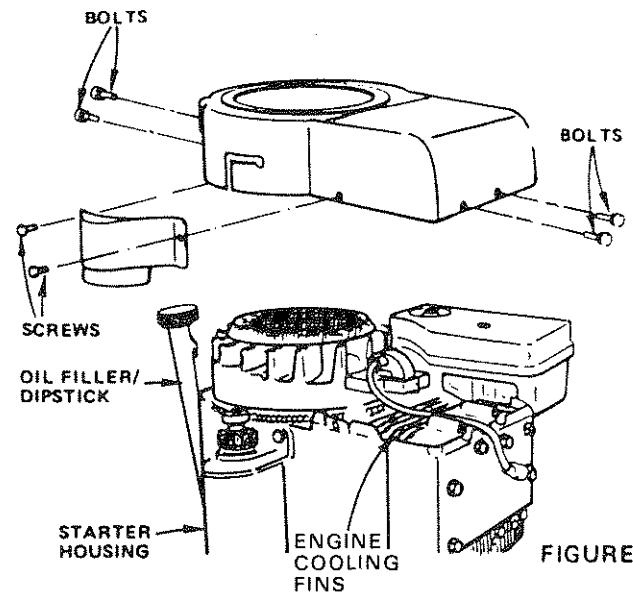


FIGURE 16

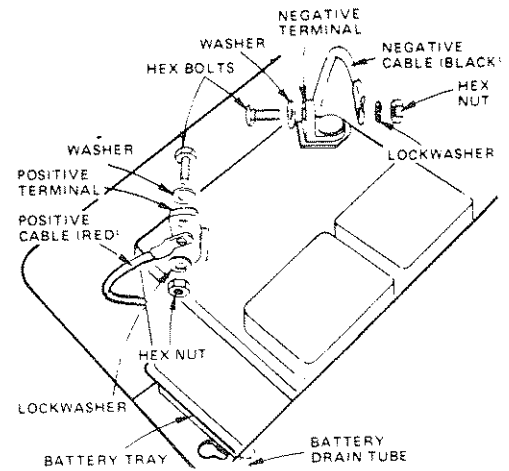


FIGURE 17

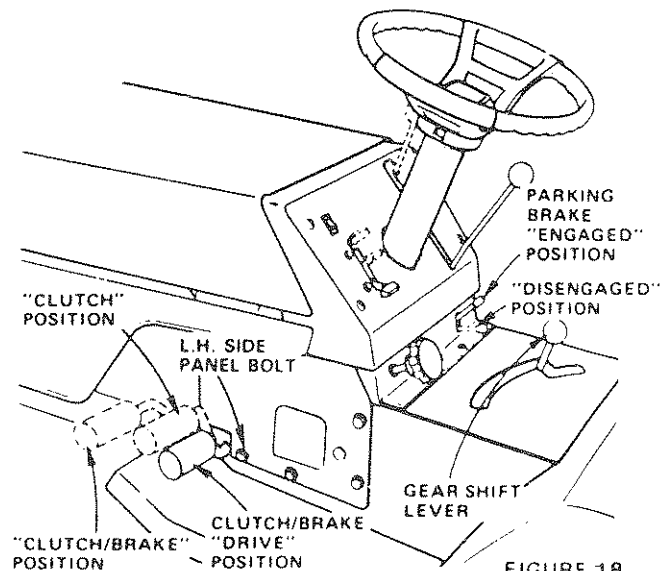


FIGURE 18

# REPAIR AND ADJUSTMENT

## 12. Throttle Control Cable Adjustment

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment. CAUTION: BEFORE ANY ENGINE ADJUSTMENT, MAKE SURE AIR CLEANER IS CLEAN. Remove Air Cleaner Assembly, while making adjustments.

- With engine off, place Throttle Control in "FAST" position.
- Loosen Clamp Screw (Fig. 19). Adjust Throttle Cable until holes "A" are aligned in governor control plate and slide plate.
- Tighten clamp screw.
- If holes do not align, repeat steps in throttle cable adjustment.

## 13. Carburetor Adjustment

NOTE: ADJUST THROTTLE CONTROL CABLE BEFORE MAKING ANY ADJUSTMENT TO CARBURETOR.

- With engine off turn high speed mixture screw clockwise (↻) closing finger tight ONLY, and turn counterclockwise (↺) 1-1/2 turns (Fig. 19)

NOTE: THE SCREW SEAT MAY BE DAMAGED BY TURNING IT TOO FAR CLOCKWISE.

- Turn idle mixture screw clockwise (↻) closing finger tight only, and turn counterclockwise (↺) 1-1/2 turns (Fig. 19).



REFER TO "STARTING THE ENGINE"  
PAGE 10.

- Start engine and allow to warm for five minutes. Make final adjustment with engine running and Gear Shift lever in "NEUTRAL" position.
- With throttle control lever in "FAST" position, turn high speed mixture screw counterclockwise (↺) until engine runs "rough" then turn clockwise (↻) until engine begins to miss. Turn screw to a point midway between these positions.
- With throttle control lever in "SLOW" position, hold throttle lever so that idle stop screw is against carburetor, turn idle mixture screw counterclockwise (↺) until engine runs "rough" and then turn clockwise (↻) until engine begins to die. Turn idle mixture screw to a point midway between these positions.
- With throttle control lever in "SLOW" position, engine should idle at 1750 RPM. If engine idles too slow, push throttle control lever above idle and turn idle speed screw one turn clockwise (↻). Set throttle control lever at "SLOW". Repeat until satisfactory idle is attained.

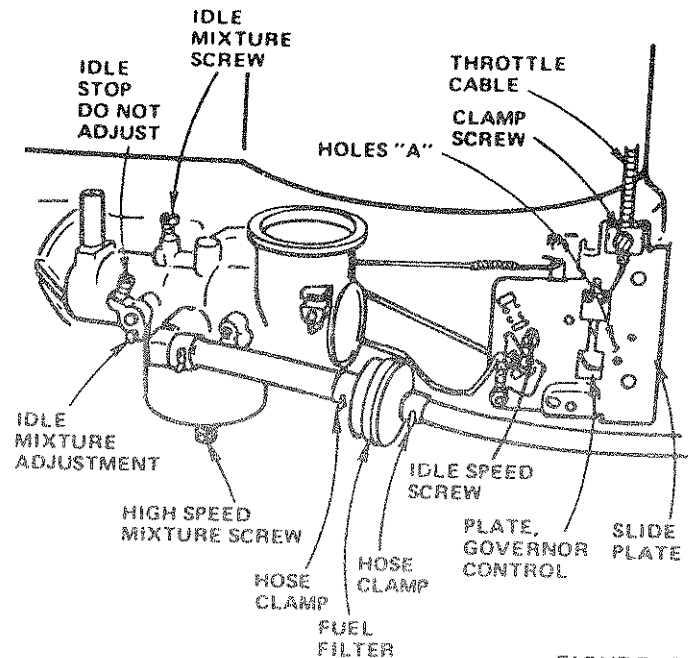


FIGURE 19

- If engine idles too fast with throttle control lever in "SLOW" position push throttle control lever above idle and turn idle speed screw one turn counterclockwise (↺). Set throttle control lever at "SLOW". Repeat until satisfactory idle is attained.

## 14. Replace Spark Plug

Replace spark plug at the beginning of each mowing season or every 100 hours, whichever comes first. Gap should be set at 0.030 inch (Fig. 20).

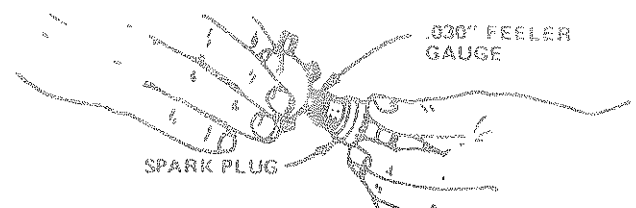


FIGURE 20

# REPAIR AND ADJUSTMENT

## 15. Motion Drive Belt Removal

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

- a. Remove mower. (See mower section, Following pages).
- b. Remove two retainer springs from belt guide bracket below transaxle pulley. Remove bracket (Fig. 21).
- c. Swing belt guides away from belt, toward rear of tractor (Fig. 21).
- d. Roll belt over top of transaxle pulley.
- e. Roll belt over engine pulley and off idler (Fig. 22).
- 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. 22).
- h. Pull belt out through shift gate to remove from tractor (Fig. 23).  
Install belt by reversing above procedure.

NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.

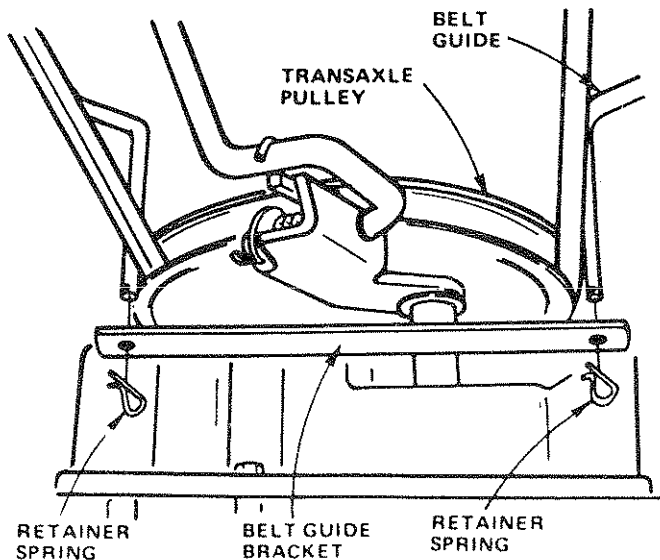


FIGURE 21

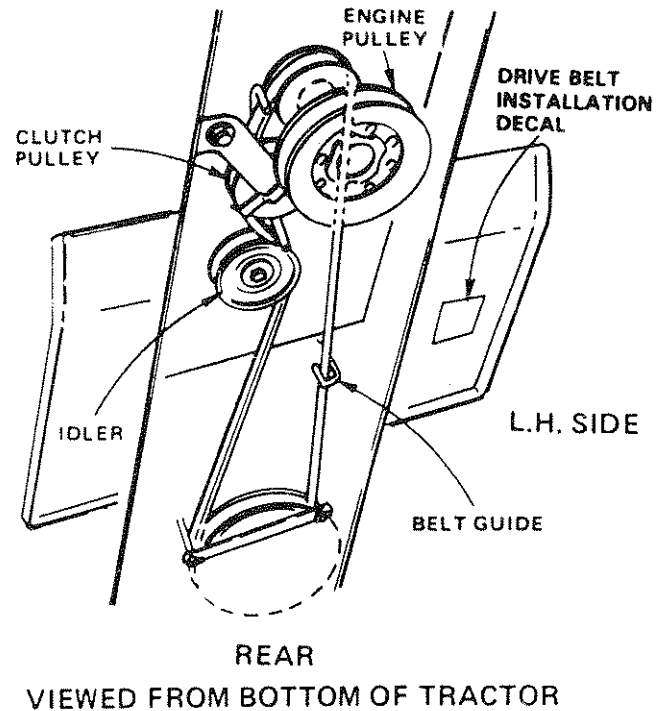


FIGURE 22

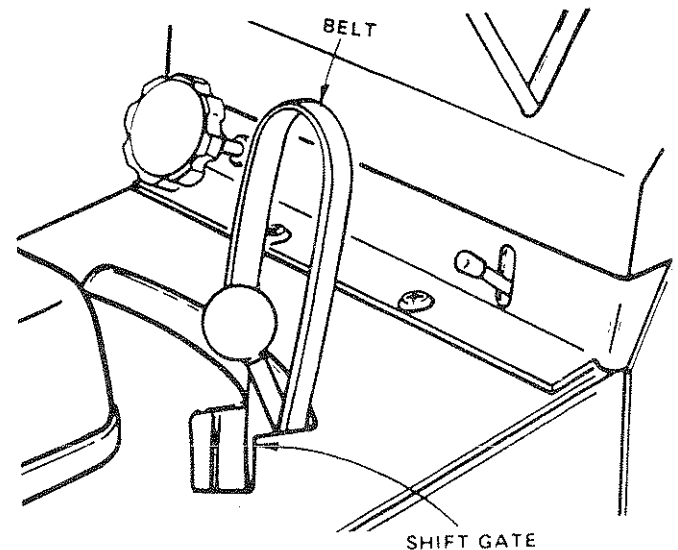


FIGURE 23

# REPAIR AND ADJUSTMENT

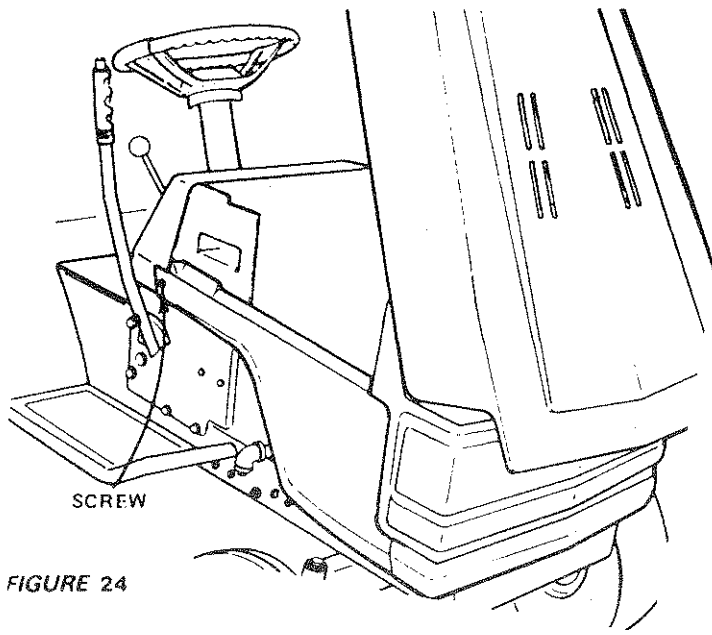


FIGURE 24

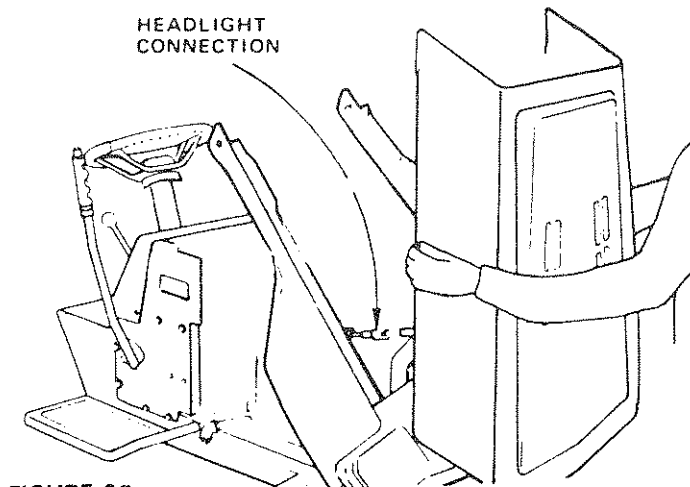


FIGURE 25

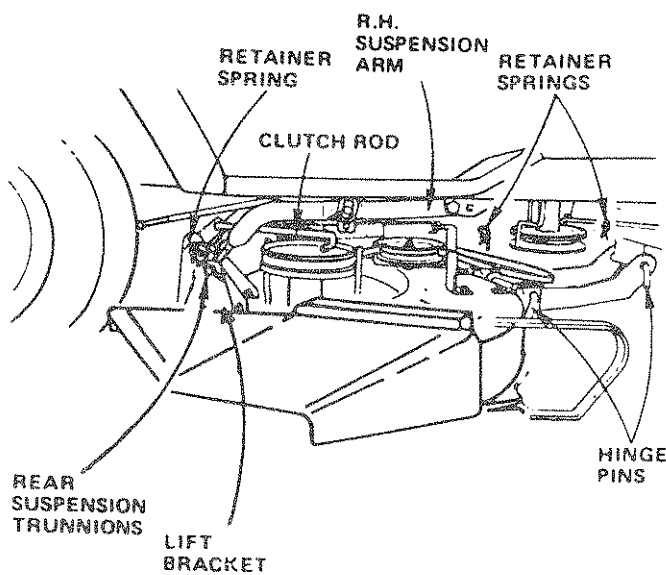


FIGURE 26

## 16. Fuse Replacement

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

## 17. Hood Removal

- To raise hood, lift at rear of hood.
- To remove hood, grill and side panels, raise hood and loosen one screw on each side panel. (This screw remains in the side panel) (Fig. 24).
- Unsnap headlight connection (Fig. 25).
- Stand in front of tractor. Grasp hood and tilt forward and lift off (Fig. 25).
- To reinstall, reverse above procedure.

## 18. Mower Removal

- Remove mower belt per instructions under "Mower Drive Belt Removal" through step(c).
- Remove retainer spring from clutch rod; pull clutch rod out of clutch bracket.
- Pull retainer springs out of rear suspension trunnions. Remove rear suspensions trunnions from lift brackets (Fig. 26).
- Pull retainer spring out of rear hinge pin. Remove rear hinge pin.
- Pull retainer spring out of front hinge pin. Remove front hinge pin (Fig.26).
- 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. 26) SHOULD BE REMOVED FROM TRACTOR.

# REPAIR AND ADJUSTMEN

## 19. Mower Installation

Your Mower installs without the use of tools. Raise Attachment Lift Lever (Fig. 27) to its highest position. Turn height adjustment knob to lowest position (Fig. 28).

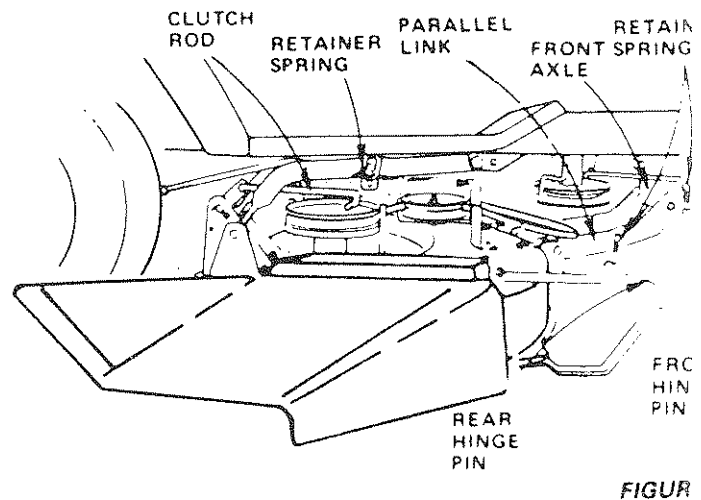
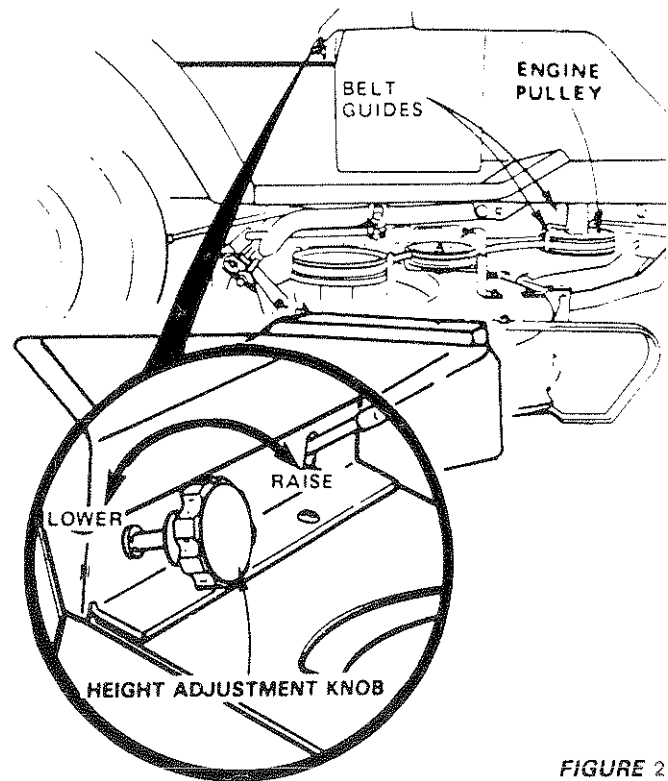
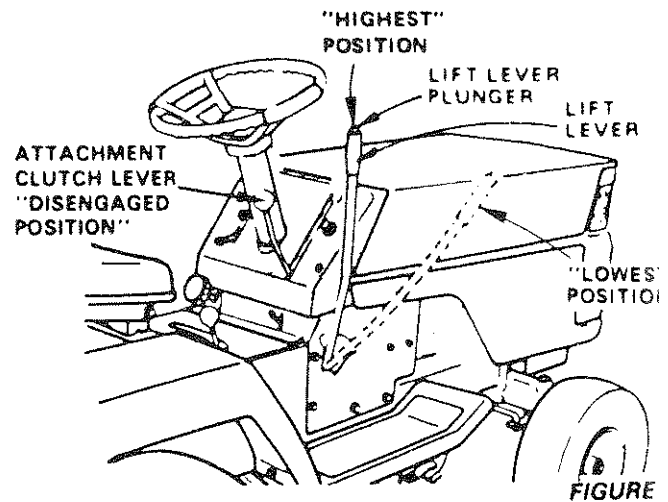
- Slide Mower under tractor, discharge guard to R.H. Side.
- Install front hinge pin through axle and parallel link (Fig. 29). Secure with retainer spring.
- Install rear hinge pin through mower lift brackets and parallel link (Fig. 29). Secure with retainer spring.
- Install clutch rod in clutch lever (Fig. 29).
- Move Attachment lift lever (Fig. 27) forward to lower suspension arms. Slide trunnions through lift bracket holes and secure with retainer springs (Fig. 26).
- Roll belt over engine pulley. Make sure belt is inside belt guides (Fig. 28). See belt drive schematic decal on mower housing.
- Use Attachment lift lever (Fig. 27) to raise mower.
- Turn height adjustment knob clockwise (↻) to the middle of its travel, or to desired cut height.

## 20. Mower Drive Belt Removal

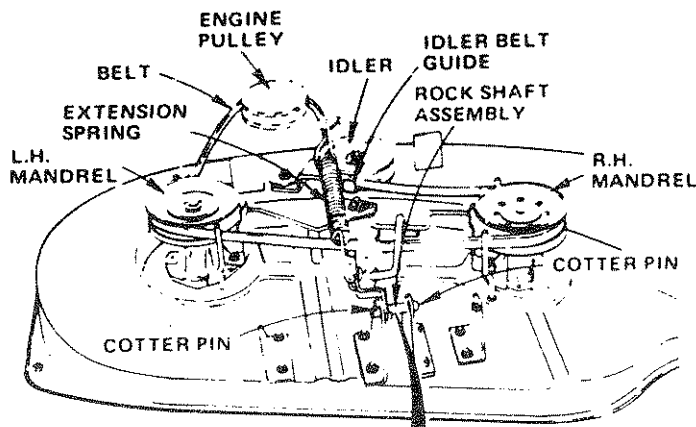
NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL.

- Place attachment clutch lever in "Disengaged" position (Fig. 27).
- Turn height adjustment knob to lowest position. Move Attachment lift lever (Fig. 27) forward to lower mower to its lowest position.
- Roll belt off engine pulley (Fig. 28)
- Pull belt off both mandrels.
- Spring belt guide away from idler pulley and pull belt off idler pulley.
- Slide belt from under extension spring.



# REPAIR AND ADJUSTMENT



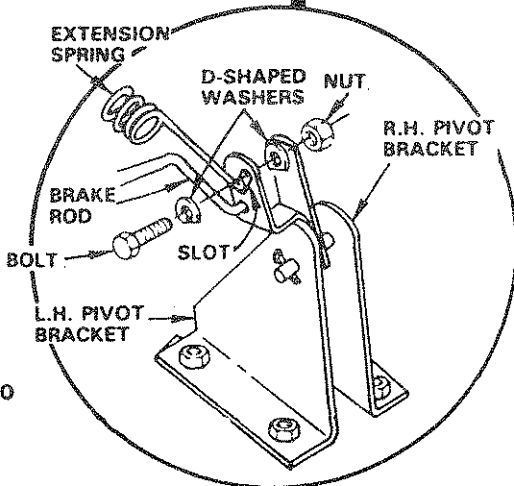
## 21. Mower Drive Belt Replacement

- Slide belt under extension spring (Fig. 30).
- Place belt on rear side of both mandrels.
- Spring idler belt guide down and place belt around rear side of idler pulley.
- Roll belt over engine pulley.
- Make sure belt is inside all belt guides.

## 22. Mower Drive Belt Adjustment

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

If the attachment clutch lever travels 3-1/2" up the slot in the dash before spring resistance is evident, adjustment is necessary. NOTE: CHECK FOR PROPER SPRING TENSION WITH THE ENGINE OFF AND THE LIFT LEVER IN THREE HIGHEST POSITION.



- Lower the mower deck for easier access.
- Using (2) 1/2 wrenches, remove the bolt, nut & D-shaped washers (Fig. 30 - Inset).
- Move extension spring from lower end of slot to upper end in rock shaft assembly and install bolt, nut & the D-shaped washers.
- Tighten bolt and nut to secure the D-shaped washers (flat side down).

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

FIGURE 30

## 23. 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.

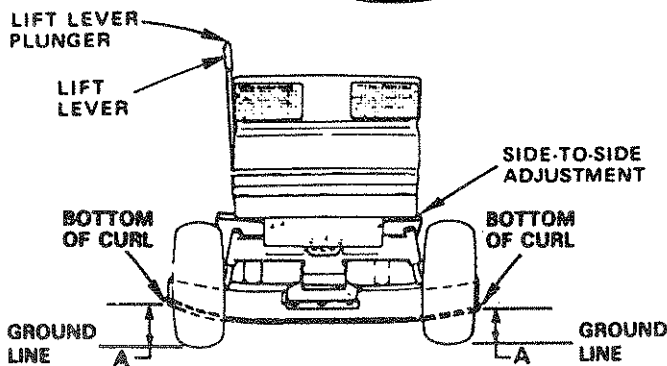


FIGURE 31

### Side-to-Side Mower Adjustment

- Depress lift lever plunger and use lift lever to raise mower to maximum cutting height.
- Measure height from bottom of curl to ground line at front of mower. Distance "A" should be the same on both sides (Fig. 31).
- If distance "A" needs to be changed, snap out access hole cover on L.H. side above footrest. Use 9/16" wrench on nuts "B" and "C" at side-to-side adjustment trunnion (Fig. 32).
- To raise left side of mower, loosen nut "B" and tighten nut "C".
- To lower left side of mower, loosen nut "C" and tighten nut "B".

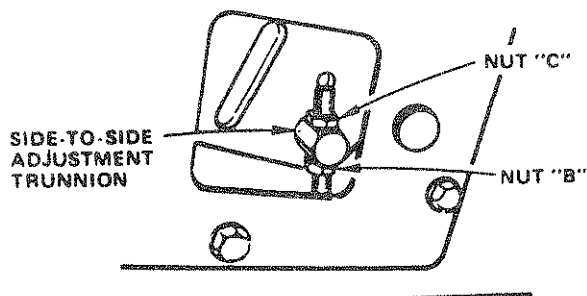


FIGURE 32

# REPAIR AND ADJUSTMENT

NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.

- f. Be sure all nuts are securely tightened.
- g. Replace cover.

## 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. 33) is 1/2" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM GROUND LINE TO BOTTOM OF CURL ON RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT BOTTOM OF CURL ON RIGHT FRONT FLANGE.
- b. To raise rear of mower, loosen nut "E" on both rear suspension arms. Screw both nuts "F" up EQUAL NUMBER OF TURNS (Fig. 34).
- 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. 34).
- e. When distance "D" is 1/2" lower at front than rear, retighten nuts "E".

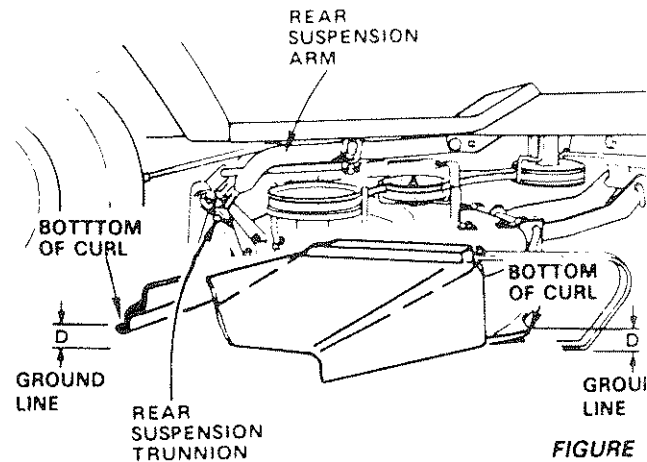
NOTE: WHEN ADJUSTING REAR SUSPENSION TRUNNIONS, ALWAYS ADJUST BOTH EQUALLY SO MOWER WILL STAY LEVEL.

## 24. 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 of 30 days or longer.



FIGURE

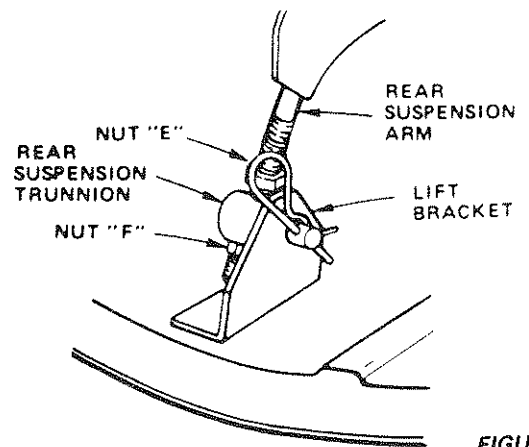


FIGURE 3

### B. Engine Oil

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

### C. Cylinder

1. Remove spark plug.
2. Pour one ounce of oil through spark plug hole into cylinder.
3. Turn ignition key to "START" position for a few seconds to distribute oil.
4. Replace with new spark plug.

### D. Battery

1. Prior to storage, clean terminals and top of battery.

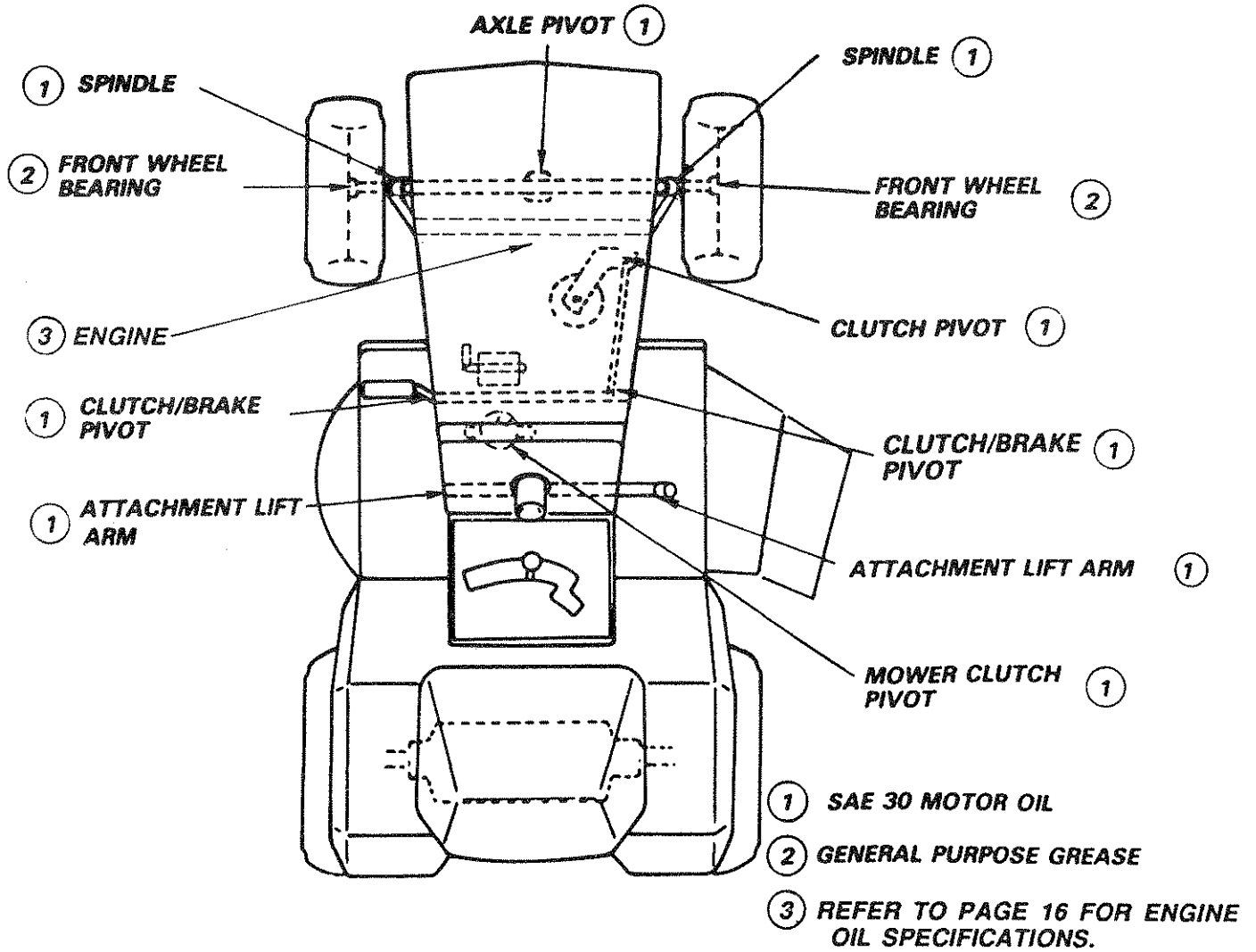
### E. General Cleaning

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

### F. Store in a clean, dry area

# REPAIR AND ADJUSTMENT

## LUBRICATION CHART





# TROUBLESHOOTING

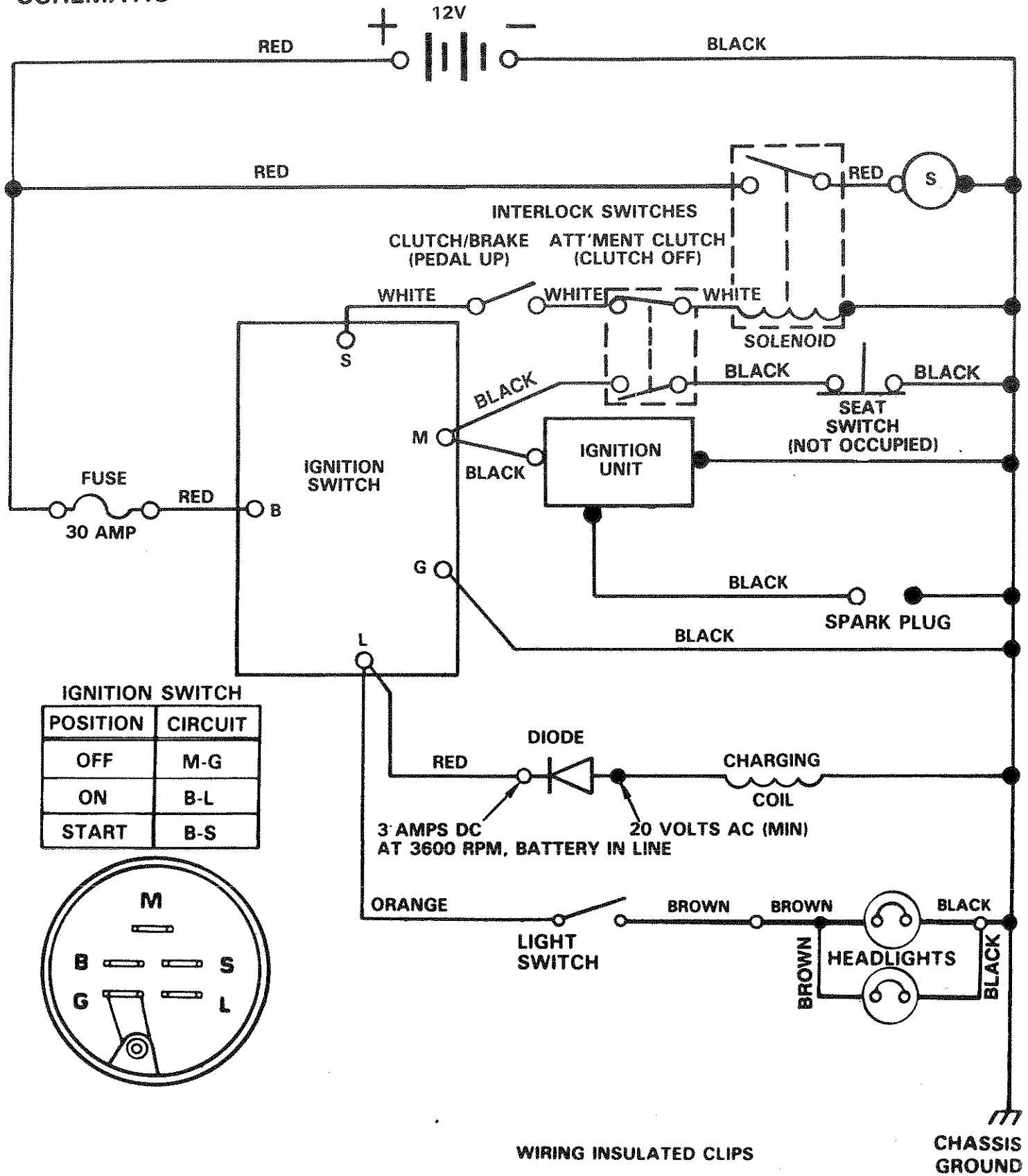
PROBLEM	CAUSE/REMEDY (SEE INDEX)
<b>WILL NOT START</b>	<p><i>Push Clutch/Brake Pedal into Brake Position. Move Attachment Clutch Lever to "Disengaged Position Fill Fuel Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary) Replace Fuel Filter Check fuse for fault and replace Recharge or replace Battery Check Wiring Replace Spark Plug(s) and adjust gap</i></p>
<b>WILL NOT TURN OVER</b>	<p><i>Charge Battery Replace Ignition Switch Depress Clutch/Brake Pedal Disengage Attachment Clutch Lever Replace Interlock Switch Replace Solenoid Replace Fuse Check All Wire Connections</i></p>
<b>ENGINE CLICKS BUT WON'T START</b>	<p><i>Replace Starter Charge or Replace Battery</i></p>
<b>HARD TO START</b>	<p><i>Place Throttle Control in "FAST" position and run starter several times to clear out gas Remove and clean Fuel Tank and lines. Replace Fuel Filter Remove Air Filter and clean Replace Spark Plug(s) and adjust gap Replace Battery Check the wiring and Spark Plug(s) Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug(s) Make necessary adjustments to Carburetor Major Engine Overhaul</i></p>
<b>ENGINE MISSES OR LACKS POWER</b>	<p><i>Shift to a lower gear or reduce load Remove and clean Fuel Tank; replace Fuel Filter Remove and clean Air Cleaner Make necessary carburetor adjustments Clean Air Screen Add or change oil Replace Spark Plug Check Spark Plug and check for loose wires Major Engine overhaul Drain Fuel Tank and Carburetor and refill</i></p>
<b>ENGINE OVERHEATS</b>	<p><i>Clean Air Screen Add or change oil Clean Engine Cooling Fins Remove and clean Muffler or replace Remove and clean Air Filter Use fresh fuel and adjust Carburetor</i></p>
<b>NO LIGHTS</b>	<p><i>Check Fuse, Switch and wire connections. Replace Headlight Bulbs</i></p>
<b>WON'T CHARGE</b>	<p><i>Check Fuse and replace Replace Battery Replace Regulator Replace Alternator</i></p>
<p><b>OPERATOR PRESENCE SYSTEM WILL NOT SHUT DOWN WHEN OPERATOR LEAVES SEAT.</b> <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>	<p><i>Engage attachment clutch Check all wire connections Check seat switch Check operator presence relay. Check PTO Switch.</i></p>

# TROUBLESHOOTING

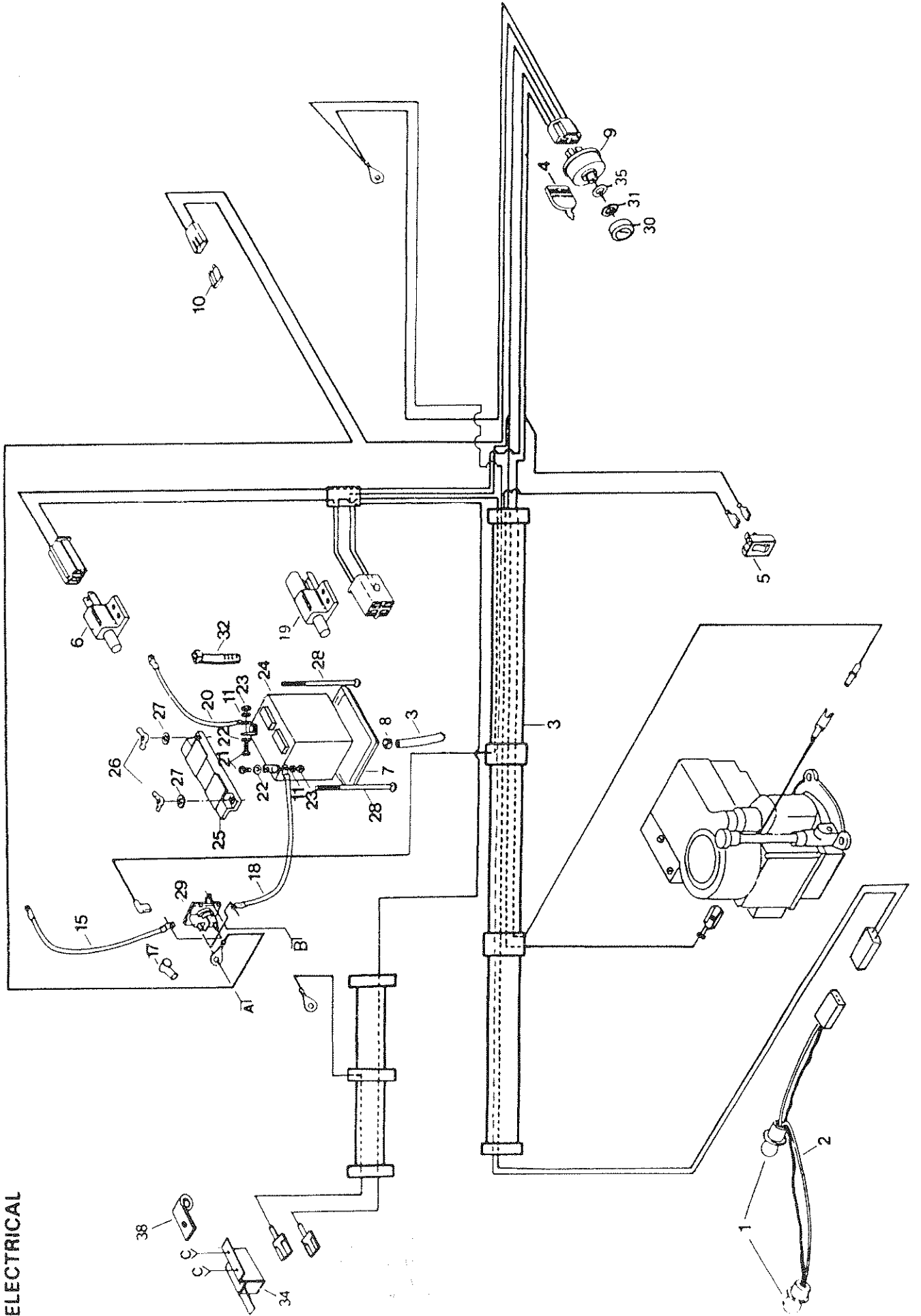
<p><b>UNSATISFACTORY MOWER PERFORMANCE UNEVEN DISTRIBUTION OF CLIPPINGS</b></p>	<p><i>Check air pressure in tires Check front to rear and side to side mower adjustment Use a slower ground speed Check engines RPM's (refer to Carburetor Adjustment) Replace mower blades Reinstall mower blades with top of blade up Replace with proper mower blades Re-adjust mower drive belt</i></p>
<p><b>MOWER BLADES WILL NOT ROTATE</b></p>	<p><i>Install new Mower Drive Belt Reinstall Mower Drive Belt Adjust Mower Drive Belt Replace Frozen Mandrel Replace Frozen Idler Pulley</i></p>
<p><b>EXCESSIVE MOWER VIBRATION</b></p>	<p><i>Replace Bent or Unbalanced Blades Replace Mandrel, Straighten Deck or replace</i></p>
<p><b>WIND ROWING STRIPPING OR DROPPING OF GRASS CLIPPINGS</b></p>	<p><i>Let grass dry out Clean underside of Mower Deck Readjust Mower</i></p>
<p><b>UNEVEN CUT OR SCALPING</b></p>	<p><i>Readjust Mower</i></p>

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

**SCHEMATIC**



ELECTRICAL



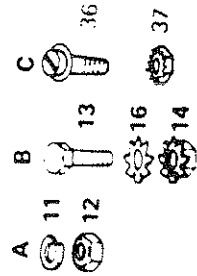
# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

## ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7662J	Bulb, Light	17	719J	Cover, Terminal
2	110859X	Harness, Light Socket	18	5114J	Cable, Battery
3	120310X	Harness, Ignition	19	109787X	Bezel - Ignition
4	109310X	Key, Molded	20	2033J	Cable, Battery
5	110712X	Switch, Light	21	STD522507	* Bolt, Hex, 1/4 - 20 x 3/4
6	104445X	Switch, Interlock	22	STD551025	* Washer 9/32 x 5/8 x 16 Ga.
7	105372X	Tray, Battery	23	STD541025	* Nut, Hex 1/4 - 20
8	19221616	Washer, 11/16 . 1 x 16 GA.	24	104923X	Battery, 12V., Sears (includes electrolyte)
9	STD365402	Switch, Ignition	25	102476X	Terminal Guard
10	108824X	Fuse, 30 Amp.	26	STD541625	* Wing Nut 1/4-20
11	STD551125	* Washer, Lock, 1/4	27	11030400	Int/Ext. Tooth Lockwasher 1/4
12	STD541225	* Nut, Hex Jam 1/4 - 20	28	72240460	Bolt - Rd. Hd. Sq. Nk. 1/4 - 20 x 7-1/2
13	STD522505	* Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	29	109081X	Solenoid
14	73510400	Nut, Keps 1/4 - 20	30	109787X	Bezel - Ignition
15	5907J	Cable Assembly	31	109708X	Nut, Ignition
16	11050400	Washer Lock, Ext. Tooth, 1/4	32	7192J	Cable Tie
			33	105687X	Tube, Plastic
			34	121064X	Switch - Seat
			35	19221616	Washer 11/16 x 1 x 16 Ga.
			36	74641008	Screw - Slotted Pan Hd. #10-32 x 1/2
			37	73951000	Nut - Keps #10-32 x 1/2
			38	4171R	Clip - Insulated
			---	101539X	Sheet - Instruction, Tractor 15°
			---	120924X	Slope Owners Manual

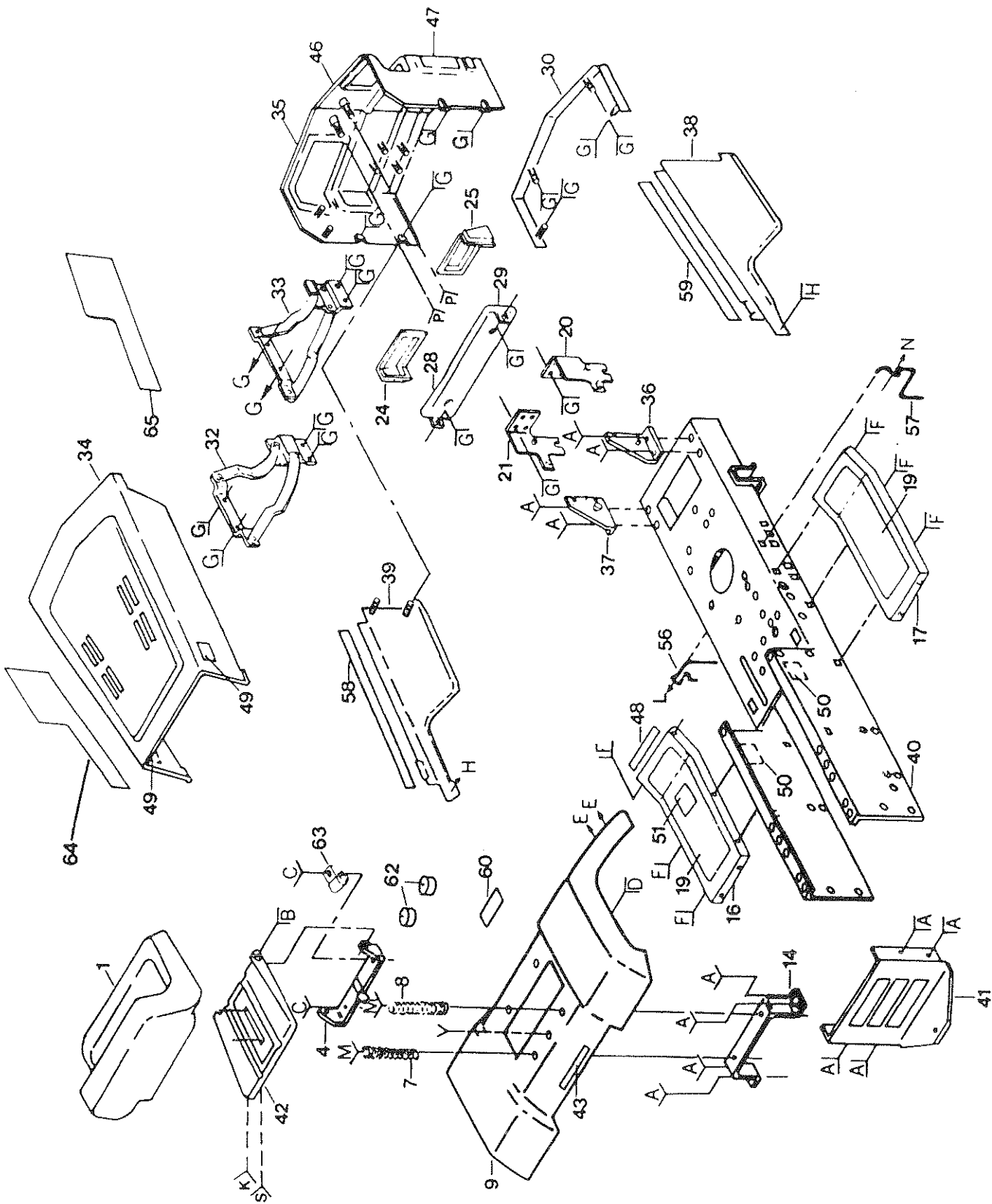
\*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

ENCLOSURE



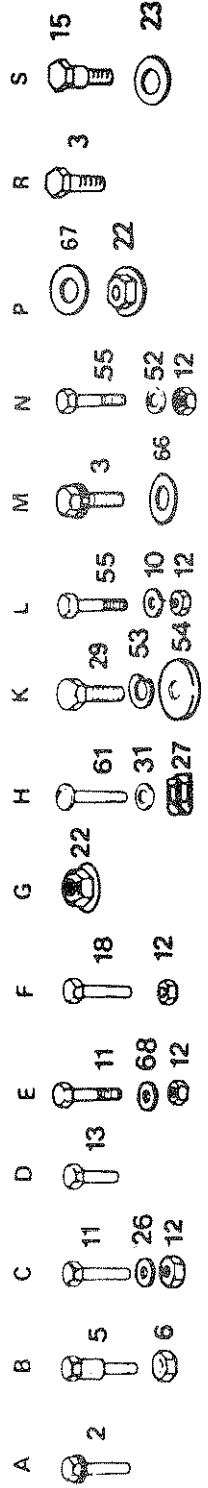
# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### ENCLOSURE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	121075X	Seat	33	105792X	Hinge, Hood, R.H.
2	17490612	Screw, Hex Washer Thd. Roll 3/8-16 x 3/4 Type TT	34	105682X	Hood Assembly
3	17490616	Screw, Hex Washer Thd. Rolling 3/8-16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	108500X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16-18	37	108501X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16-18	38	106927X	Side Panel, R.H.
7	121068X	Spring - Compression L.H.	39	106929X	Side Panel, L.H.
8	121067X	Spring - Compression R.H.	40	109512X	Chassis Assembly
9	109872X	Fender	41	102481X	Drawbar
10	19131312	Washer 13/32 x 13/16 x 12 Ga.	42	121069X	Pan - Seat
11	STD523707	* Bolt, Hex, 3/8-16 x 3/4	43	105801X	Decal - Fender
12	73680600	Nut, Lock 3/8-16	46	105806X	Decal, Grill Craftsman
13	17490608	Screw, Hex Washer Thd. Roll 3/8-16 x 1/2	47	105807X	Decal, Grill, Stripe
14	109873X	Bracket, Fender	48	4900J	Decal, Clutch/Brake
15	121094X	Bolt - Shoulder 5/16-18	49	105805X	Decal, 11H.P.
16	105465X	Footrest, L.H.	50	105809X	Decal, 5 Speed, 38"
17	105464X	Footrest, R.H.	51	109199X	Decal, V-Belt Schematic
18	STD533707	* Bolt, Carr. 3/8-16 x 3/4	52	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
19	105466X	Pad, Footrest	53	STD551150	Lockwasher 1/2
20	108504X	Bracket, Pivot, Grill, R.H.	54	19171912	Washer 17/32 x 1-3/16 x 12 Ga.
21	108505X	Bracket, Pivot, Grill, L.H.	55	STD523710	* Bolt, Hex 3/8-16 x 1
22	108067X	Pal Nut 1/4-20	56	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
23	19151616	Washer 15/32 x 1 x 16 Ga.	57	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
24	108361X	Lens, L.H.	58	106811X	Decal - Stripe, Side Panel, L.H.
25	108360X	Lens, R.H.	59	106812X	Decal - Stripe, Side Panel, R.H.
26	19131210	Washer 13/32 x 3/4 x 10 Ga.	60	106974X	Decal - Caution
27	106911X	Clip	61	106909X	Screw - Special
28	110897X	Bezel, Headlight	62	121093X	Cap - Spring
29	74780816	Bolt, Hex 1/2 - 13 x 1	63	2751R	Clip
30	109745X	Strap Assembly - Grill	64	105802X	Decal, Stripe, L.H.
31	106910X	Washer	65	105803X	Decal, Stripe, R.H.
32	105797X	Hinge, Hood, L.H.	66	19131614	Washer 13/32 x 1 x 14 Ga.
			67	19091216	Washer 9/32 x 3/4 x 16 Ga.
			68	119131312	Washer 13/32 x 13/16 x 12 Ga.

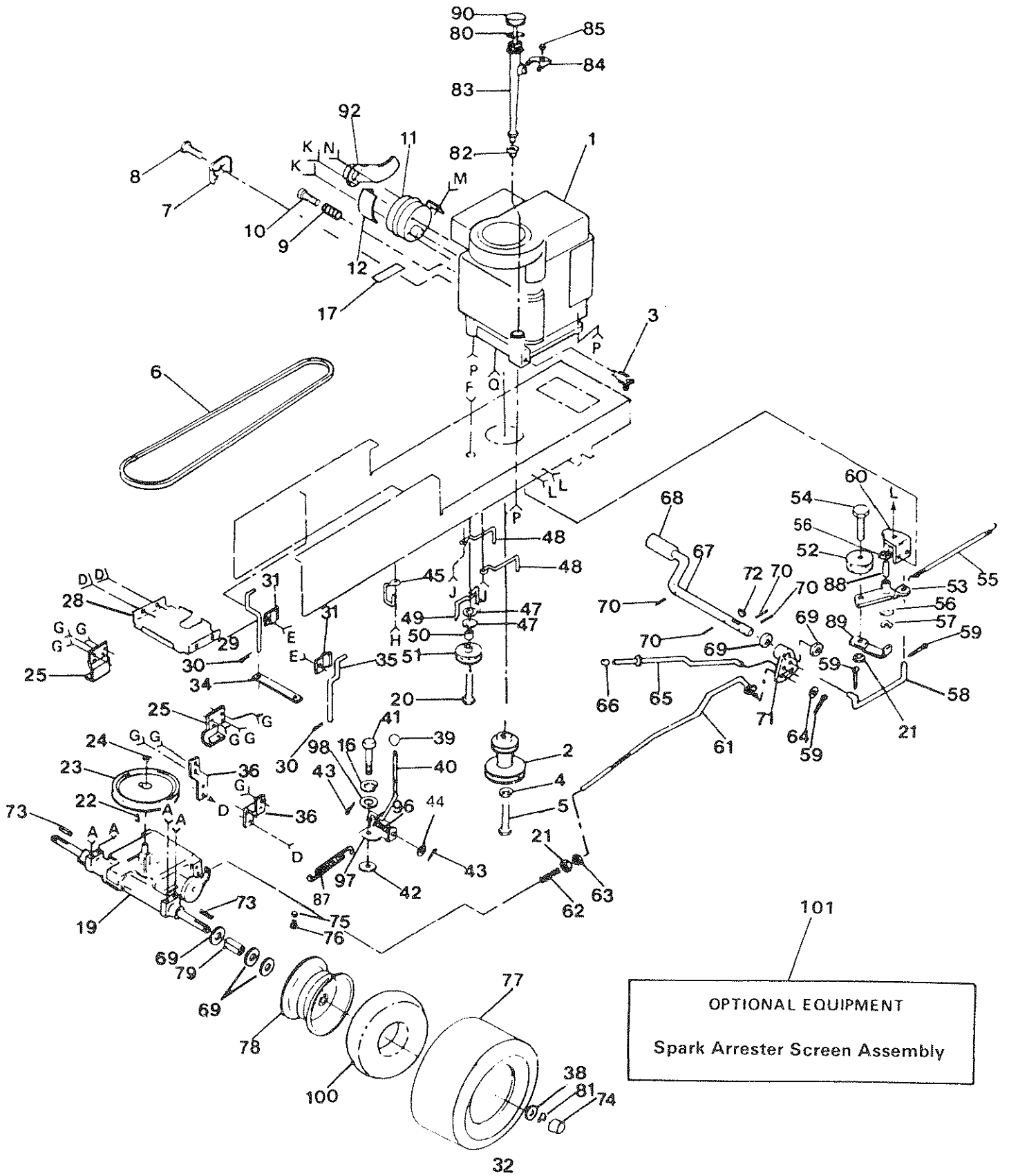
\*STANDARD HARDWARE -- PURCHASE LOCALLY



# REPAIR PARTS

DRIVE

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232





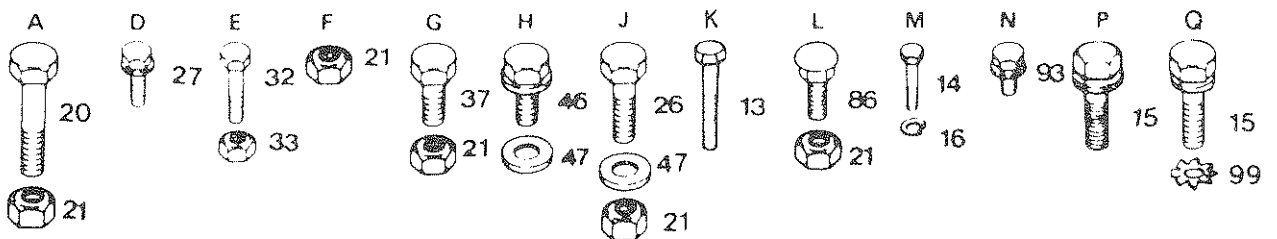
# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120215X	Engine, 11HP, Briggs & Stratton Model No. 252707, Type No. 0621-03	49	109070X	Retainer Belt
2	105731X	Pulley, Engine	50	4470J	Spacer
3	120374X	Valve, Drain Oil	51	4859J	Idler, Flat
4	STD551143	*Washer, Lock 7/16	52	106298X	Pulley, Idler
5	74770720	Bolt, Hex 7/16 - 20 x 1 - 1/4	53	105705X	Bellcrank Assembly (Inc. Key No. 88)
6	120302X	V-Belt, Drive	54	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
7	7204J	Clamp - Casing	55	105709X	Spring, Return, Clutch
8	14121010	Screw - slotted, Hex Mach. #10	56	110812X	Washer, Hardened
9	108746X	Spring Compression	57	12000039	Ring, Klip
10	108747X	Screw - Machine, Fill. Hd. 8-32 x 5/8	58	105710X	Link, Clutch
11	120359X	Muffler	59	76020412	Pin, Cotter 1/8 x 3/4
12	101159L	Shield, Heat	60	105724X	Bracket, Clutch
13	74780552	Bolt, Hex Hd. 5/16-18 x 3 - 1/4 Gr. 5	61	109127X	Rod, Brake
14	STD522505	Bolt, Hex 1/4-20 x 1/2 Gr.5	62	106888X	Spring, Rod, Brake
15	17490620	Screw, Hex Washer Thd. Rolling 3/8-16 x 1-1/4	63	73350600	Nut - Jam 3/8 - 16
16	STD551125	*Washer, Lock 1/4	64	19131316	Washer 13/32 x 13/16 x 16 Ga.
17	108756X	Label - Engine Maintenance	65	105758X	Rod, Brake, Parking
19	120897X	Transaxle Foote, 5 Speed, Model No. 4360-6 (see pages 40 and 41 for parts breakdown)	66	71673	Cap - Plunger
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	67	109037X	Shaft, Foot Pedal
21	73680600	Nut, Lock 3/8 - 16	68	8883R	Cover - Pedal
22	STD580025	*Key, Woodruff #9 3/16 x 3/4	69	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
23	105703X	Pulley, Transaxle	70	STD571810	*Pin, Roll, 3/16 x 1
24	12000028	Ring, Retainer	71	106918X	Arm, Brake
25	109167X	Bracket, Transaxle	73	STD580105	*Key, Square 3/16 x 2
26	STD523710	*Bolt, Hex 3/8 - 16 x 1	74	104757X	Cap, Hub, Rear
27	17490512	Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4	75	59192	Cap, Valve
28	108171X	Support, Battery	76	65139	Stem, Valve
29	109368X	Keeper, Belt, L.H.	77	106268X	Tire, Rear - 18 x 9.50 x 8
30	4921H	Retainer, Spring	78	106108X	Rim Assembly, Rear
31	106190X	Clamp	79	109502X	Spacer
32	STD523107	*Bolt, Hex 5/16 - 18 x 3/4	80	108754X	Seal - Oil Filler Cap
33	73680500	Nut, Lock 5/16 - 18	81	12000001	E-Ring
34	109370X	Strap, Locator	82	108753X	Grommet - Oil Filler Tube
35	109369X	Keeper, Belt, R.H.	83	108750X	Tube - Oil Filler
36	106360X	Strap, Torque, Transaxle	84	108751X	Clamp - Oil Filler tube
37	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	85	108752X	Screw - Clamp Mtg.
38	19252616	Washer 25/32 x 1 - 5/8 x 16 Ga.	86	STD533707	*Bolt, Carriage 3/8 - 16 x 3/4
39	106933X	Knob, Shift	87	110422X	Spring - Brake
40	110458X	Rod, Shift	88	105706X	Bearing
41	71040412	Bolt - Hex 1/4-28 x 3/4	89	106499X	Retainer - Belt
42	105701X	Washer - Shift, Plate	90	108748X	Cap & Dipstick - Oil Filler
43	STD561210	*Cotter Pin, 1/8 x 1	92	108767X	Deflector, Muffler
44	19151216	Washer 15/32 x 3/4 x 16 Ga.	93	17450808	Screw - Spider Lock #8 x 1/2 1/2 AB
45	104777X	Retainer, Belt	96	105700X	Spring
46	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	97	106919X	Plate, Shift
47	19131312	Washer 13/32 x 13/16 x 12 Ga.	98	19091210	Washer 9/32 x 3/4 x 10 Ga.
48	105730X	Keeper, Belt, Engine	99	11050600	Washer, Lock, Ext. Tooth 3/8
			100	7152J	Tube, Tire (not furnished with tractor)
			101	677V1	Spark Arrester Screen Assembly

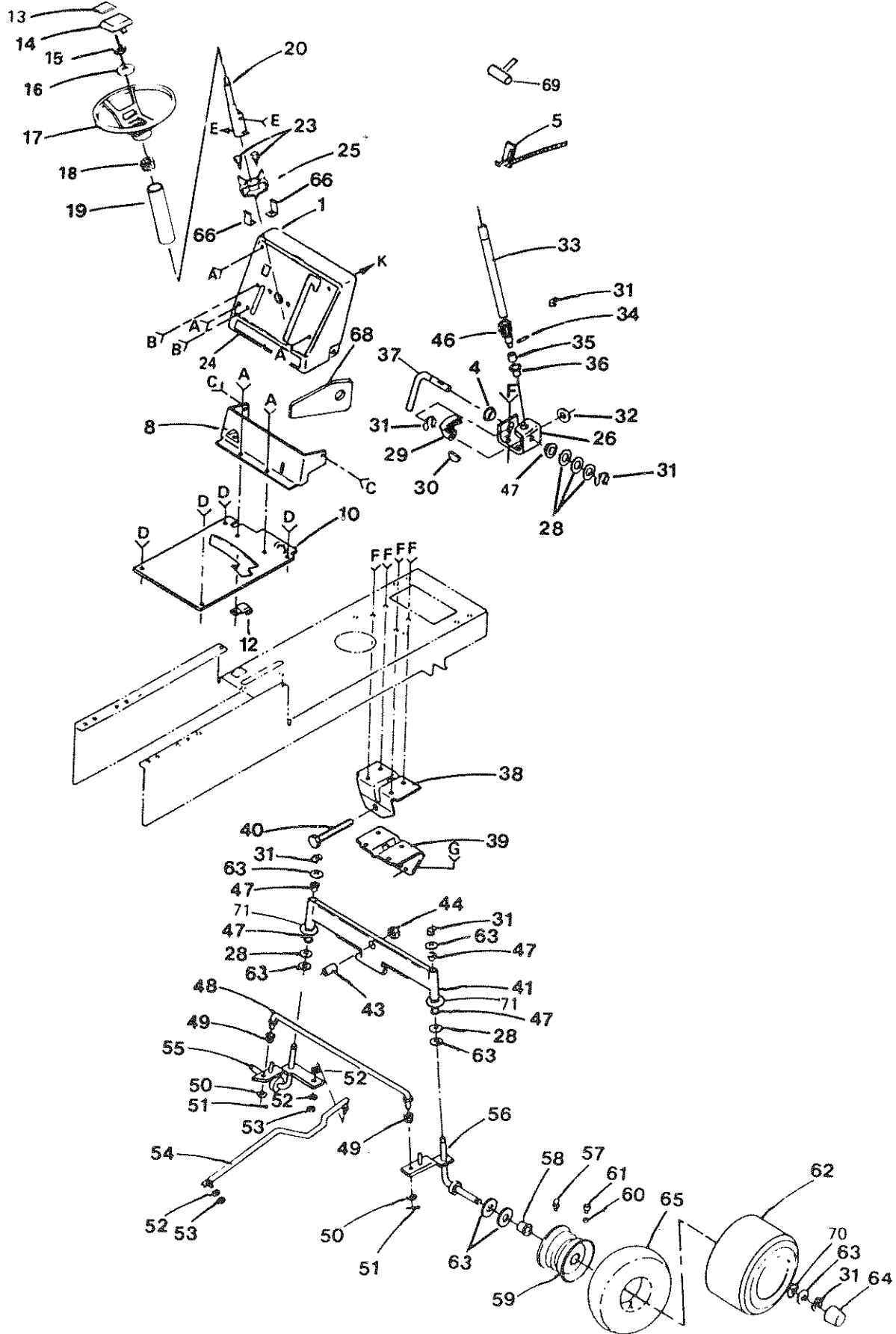
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### STEERING AND FRONT AXLE



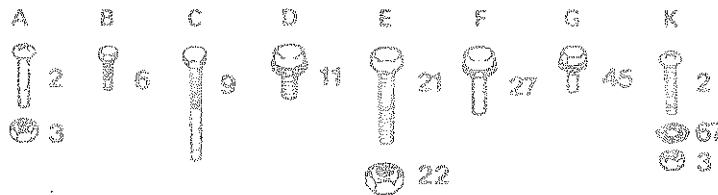
# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	109283X015	Dash	34	2882J	Pin - Drive 3/16 x 1
2	74180512	Screw - Truss Hd. Cross Recess 5/16 - 18 x 3/4	35	74580	Spacer .627 x .88 x .695
3	73510500	Nut - Keps 5/16 - 18	36	71208	Bushing
4	109816X	Nyliner, Snap In	37	108683X	Rod - Steering
5	120139X	Control - Throttle	38	105663X	Support - Saddle, Rear
6	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	39	105664X	Support - Saddle, Front
8	105621X	Dash - Lower	40	74761060	Bolt - Hex 5/8 - 11 x 3 - 3/4
9	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1/2	41	105669X	Axle - Front
10	120089X012	Saddle	43	110438X	Spacer, Bearing, Front Axle
11	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	44	73901000	Nut - Lock, Flange 5/8 - 11
12	2751R	Clip - Insulated	45	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
13	105810X	Decal - Cap, Steering Wheel	46	108685X	Gear, Pinion
14	100710L	Insert - Steering Wheel	47	3366R	Bearing
15	73940800	Nut - Hex Jam 1/2 - 20	48	105715X	Rod - Tie
16	100712K	Washer	49	120382X	Bushing
17	100713N	Wheel - Steering	50	19131416	Washer 13/32 x 7/8 x 16 Ga.
18	100711L	Adapter - Steering Wheel	51	76020412	Pin - Cotter 1/8 x 3/4
19	109285X	Sleeve - Steering	52	STD551137	*Washer - Lock 3/8
20	105643X	Shaft - Steering, Upper	53	STD541137	*Nut - Hex 3/8 - 24
21	STD523712	*Bolt - Hex 3/8 - 16 x 1 - 1/4	54	105727X	Link - Drag
22	73680600	Nut - Lock 3/8 - 16	55	105656X	Spindle - L.H.
23	98000165	Screw - Hex Self Tap. No. 10 - 16 x 1/2	56	105654X	Spindle - R.H.
24	108456X	Decal - Instruction, Operating	57	278H	Fitting - Grease
25	109284X	Bushing - Steering	58	9040H	Bearing - Flange
26	109432X	Bracket - Steering	59	106732X	Rim - 6" - Front
27	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	60	59192	Cap - Valve
28	6266H	Bearing - Thrust	61	65139	Stem - Valve
29	108684X	Gear - Sector	62	106222X	Tire - Turf
30	106126X	Key - Woodruff	63	19252016	Washer 25/32 x 1-1/4 x 16 Ga.
31	12000029	Clip Ring	64	104757X	Cap - Hub, Front
32	101930X	Washer, Hardened	65	59904	Tube - Front (Not furnished with tractor)
33	109068X	Shaft - Steering, Lower	66	110130X	Retainer, Steering
			67	11150500	Washer, Lock, Int. Tooth 5/16
			68	110307X	Stop - Mower, Clutch Lever
			69	61159	Knob - Throttle Control
			70	19252616	Washer 25/32 x 1-5/8 x 16 Ga.
			71	19272016	Washer 27/32 x 1-1/4 x 16 Ga.

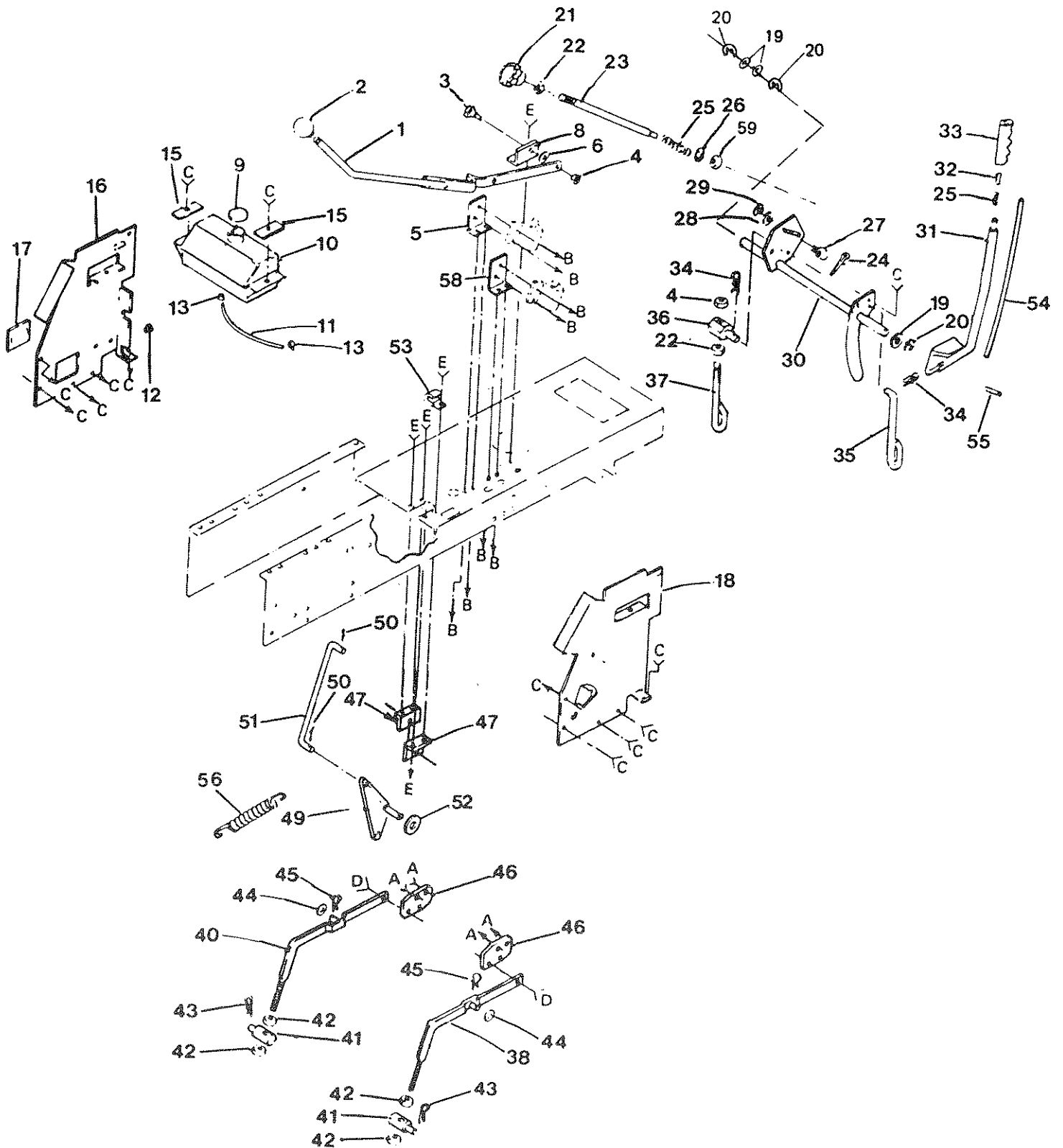
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

## LIFT ADJUSTMENT



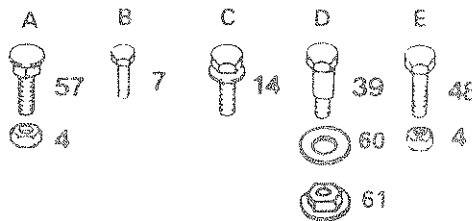
# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	31	105768X	Lever, Assembly
2	106932X	Knob	32	105723X	Plunger
3	106451X	Bolt, Shoulder	33	109413X	Grip, Handle
4	73680600	Nut, Lock, 3/8 - 16	34	4939M	Retainer, Spring
5	106452X	Bracket, Switch, Interlock	35	110029X	Link, Lift
6	19171713	Washer 17/32 x 1 - 1/16 x 13 Ga.	36	106204X	Trunnion, Lift
7	17021008	Screw, Hex, Tapping, No. 10 - 24 x 1/2	37	105855X	Link, Lift, Adjustable
8	106447X	Support, Lever, Clutch	38	105862X	Arm, Suspension, R.H.
9	109462X	Cap, Fuel	39	105848X	Bolt, Shoulder, 3/8 - 16
10	109202X	Tank, Fuel	40	105863X	Arm, Suspension, L.H.
11	7119J	Line, Fuel	41	106308X	Trunnion, Lift, Lower
12	9151R	Grommet	42	STD541250	*Nut - Hex 1/2 - 13
13	6999R	Clamp - Hose	43	9135R	Retainer, Spring
14	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	44	19171516	Washer 17/32 x 15/16 x 16 Ga.
15	106901X	Clamp - Tank, Fuel	45	4921H	Retainer, Spring
16	106920X	Panel, Dash, L.H.	46	105864X	Bracket, Suspension
17	105505X	Cover, Access	47	106444X	Bracket, Bellcrank
18	106921X	Panel, Dash, R.H.	48	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
19	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	49	109728X	Bellcrank Assembly
20	12000022	E Ring	50	76020412	Pin, Cotter, 1/8 x 3/4
21	100734K	Knob	51	106446X	Rod, Clutch, Primary
22	STD541237	*Nut, Hex Jam 3/8 - 16	52	19131410	Washer 13/32 x 7/8 x 10 Ga.
23	110809X	Rod, Adjust, Lift	53	5320R	Clip - Insulated
24	76020308	Pin, Cotter 3/32 x 1/2	54	105764X	Rod Assembly - Lever, Lift (Includes Key 32)
25	2876H	Spring	55	105767X	Pin - Groove
26	19131016	Washer 13/32 x 5/8 x 16 Ga.	56	106810X	Spring - Extension
27	110810X	Trunnion - Depth Stop	57	72140606	Screw 3/8-16 x 3/4
28	19151216	Washer 15/32 x 3/4 x 16 Ga.	58	108236X	Bracket - Switch
29	12000037	Klip Ring	59	110807X	Nut - Special
30	120420X	Shaft, Lift	60	110739X	Washer - Spring
			61	73980600	Nut - Flangelock 3/8 - 16

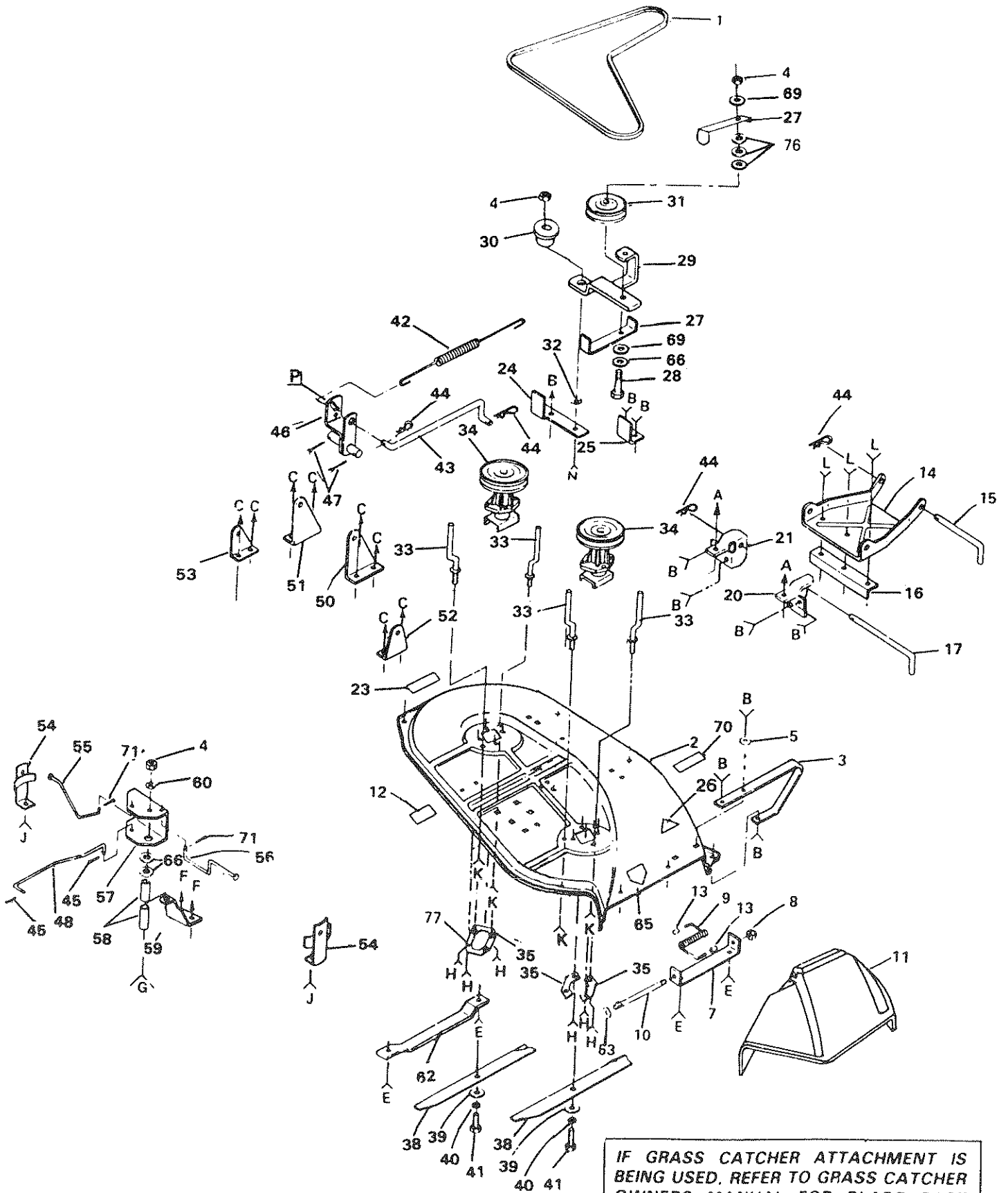
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### 38" MOWER



IF GRASS CATCHER ATTACHMENT IS BEING USED, REFER TO GRASS CATCHER OWNERS MANUAL FOR BLADE PART NUMBER.

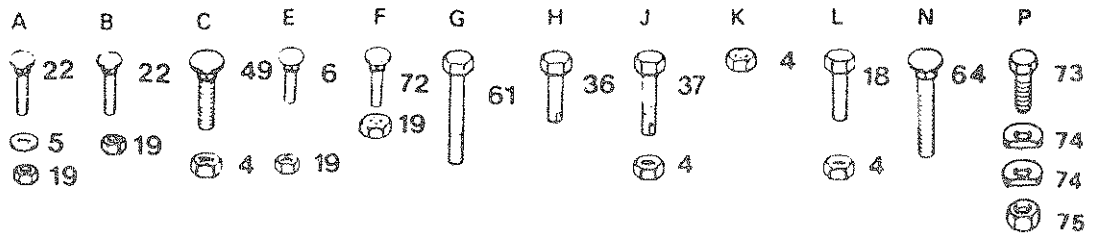
# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232

### 38" MOWER

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	38	106634X	**Blade
2	105689X	Housing	39	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	40	STD551137	*Washer, Lock 3/8
4	73680600	Nut, Lock, 3/8 - 16	41	STD623715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer 11/32 x 3/4 x 16 Ga.	42	108250X	Spring, Extension
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	43	108235X	Rod - Clutch, Mower
7	105896X	Bracket, Deflector	44	4921H	Spring - Retainer
8	110452X	Pushnut	45	STD560907	*Pin, Cotter 3/32 x 3/4
9	106734X	Spring, Deflector	46	109892X	Rock Shaft Assembly
10	106735X	Rod - Hinge	47	76020616	Pin, Cotter, 3/16 x 1
11	106736X	Deflector - Shield	48	108247X	Rod, Brake, Primary
12	105814X	Decal	49	72140606	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	50	108243X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	51	108241X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	52	105857X	Bracket, Suspension, Rear, R.H.
16	105872X	Stop, Link	53	108673X	Bracket, Suspension, Rear, L.H.
17	105743X	Pin - Hinge, Rear	54	106578X	Brake Assembly
18	STD523707	*Bolt 3/8 - 16 x 3/4	55	106463X	Rod, Brake, Secondary L.H.
19	73680500	Nut, Lock 5/16 - 18	56	108249X	Rod, Brake, Secondary, R.H.
20	109598X	Bracket, Lift, R.H.	57	106456X	Bracket, Brake, Pivot
21	109597X	Bracket, Lift, L.H.	58	100672K	Spacer, Brake
22	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	59	100673L	Bracket, Support
23	3713X	Instruction - Caution Decal	60	19131614	Washer 13/32 x 1 x 14 Ga.
24	109503X	Support, Arm	61	74760684	Bolt, 3/8 - 16 x 5 - 1/4
25	109504X	Stop, Deck, Front	62	7631J	Runner, L.H.
26	---	Decal - Safety Standard - Not Serviced	63	19111016	Washer 11/32 x 5/8 x 16 Ga.
27	106461X	Guide Belt	64	72140610	Bolt, Carr. 3/8 - 16 x 1 - 1/4
28	STD523722	Bolt Hex 3/8 - 16 x 2-1/4	65	78850	Decal - Warning
29	108832X	Arm, Idler	66	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
30	106902X	Spacer - Retainer	69	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
31	102403X	Pulley - Idler	70	106679X	Decal - Warning
32	106513X	Washer, Wear, 1/16	71	76020308	Pin, Cotter, 3/32 x 1/2
33	102669X	Keeper, Belt	72	72110506	Bolt, Carriage 5/16-18 x 3/4
34	105891X	Mandrel Assembly	73	STD522507	*Bolt Hex 1/4-20 x 3/4
35	100668L	Plate, Support, Mandrel	74	109893X	Washer, Special
36	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4	75	73680400	Nut, Lock 1/4-20
37	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4	76	19131407	Washer 13/32 x 7/8 x 7 Ga.
			77	110445X	L.H. Mandrel Support

\*STANDARD HARDWARE--PURCHASE LOCALLY

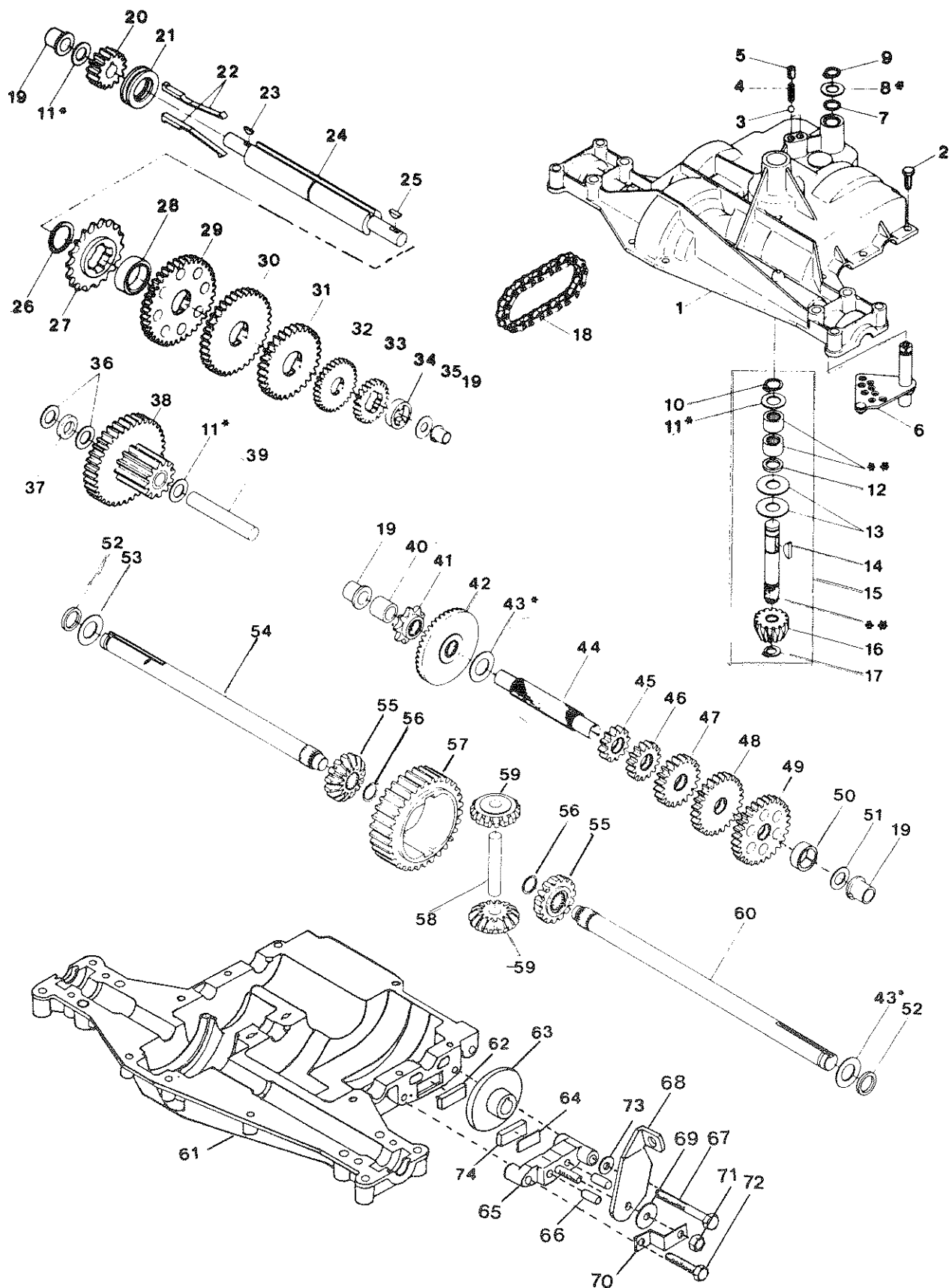


\*\* IF GRASS CATCHER ATTACHMENT IS BEING USED, REFER TO GRASS CATCHER OWNERS MANUAL FOR BLADE PART NUMBER.

# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232  
TRANSAXLE FOOTE - MODEL NUMBER 4360-6

## TRANSAXLE





# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232 TRANSAXLE FOOTE - MODEL NUMBER 4360-6

### TRANSAXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120458X	Housing, Upper	39	120471X	Shaft, Idler
2	2274J	Screw, Tapping, 1/4-20 x .734 Lg.	40	120472X	Spacer, .635 x .875 x .755
3	68003	Ball, Detent	41	105928X	Sprocket, 9T
4	105904X	Spring, Detent	42	110084X	Gear, Bevel, 42T.
5	105905X	Screw, Set	43	108983X	* Washer, Plain, .758 x 1.12 x .010
6	120460X	Ass'y., Shifter	43	105930X	* Washer, Plain, .758 x 1.12 x .015
7	120461X	O-Ring	43	105931X	* Washer, Plain, .758 x 1.12 x .020
8	120462X	* Washer, Plain, .505 x .942 x .006	43	105932X	* Washer, Plain, .758 x 1.12 x .025
8	120463X	* Washer, Plain, .505 x .942 x .010	43	3417J	* Washer, Plain, .758 x 1.25 x .020
8	120464X	* Washer, Plain, .505 x .942 x .015	43	106097X	* Washer, Plain, .758 x 1.25 x .025
8	120465X	* Washer, Plain, .505 x .942 x .020	43	2264J	* Washer, Plain, .758 x 1.25 x .031
8	120466X	* Washer, Plain, .505 x .942 x .026	43	106098X	* Washer, Plain, .758 x 1.25 x .035
8	83818	* Washer, Plain, .505 x .942 x .030	43	2265J	* Washer, Plain, .758 x 1.25 x .040
8	120467X	* Washer, Plain, .505 x .942 x .040	43	106586X	* Washer, Plain, .758 x 1.25 x .045
9	2286J	Ring, Retaining	43	106587X	* Washer, Plain, .758 x 1.25 x .050
10	2267J	Ring, Retaining	43	106588X	* Washer, Plain, .758 x 1.25 x .055
11	3413J	Washer, Plain, .632 x 1.00 x .010	43	2263J	* Washer, Plain, .758 x 1.25 x .062
11	2233J	Washer, Plain, .632 x 1.00 x .020	44	120473X	Shaft, Drive
11	2232J	Washer, Plain, .632 x 1.00 x .026	45	105933X	Gear, Spur, 12T.
11	2231J	Washer, Plain, .632 x 1.00 x .031	46	120407X	Gear, Spur, 20T.
11	2230J	Washer, Plain, .632 x 1.00 x .036	47	106589X	Gear, Spur, 25T.
11	2229J	Washer, Plain, .632 x 1.00 x .041	48	120408X	Gear, Spur, 28T.
11	2228J	Washer, Plain, .632 x 1.00 x .046	49	105937X	Gear, Spur, 31T.
11	2227J	Washer, Plain, .632 x 1.00 x .050	50	105936X	Spacer, .781 x 1.00 x .375
11	2226J	Washer, Plain, .632 x 1.00 x .060	51	2226J	Washer, Plain, .632 x 1.00 x .060
11	105906X	Washer, Plain, .632 x 1.00 x .082	52	2272J	Seal, Felt
12	6725J	O-Ring	53	2263J	Washer, Plain, .758 x 1.25 x .062
13	120415X	Washer, Plain, .632 x 1.38 x .046	54	120474X	Axle, L.H.
14	2257J	Key, Woodruff, #9	55	110081X	Gear, Miter, 15T.
15	110077X	Ass'y., Kit, Input Shaft	56	105941X	Ring, Retaining
16	110078X	Pinion, Bevel, 14T.	57	110071X	Gear, Spur, 32T.
17	105909X	Ring, Retaining	58	120952X	Shaft, Cross
18	105910X	Chain, 24 Pitches	59	110082X	Gear, Miter, 15T.
19	105911X	Bearing, Flange	60	120475X	Axle, R.H.
20	108976X	Gear, Spur, 14T.	61	120476X	Housing, Lower
21	105913X	Collar, Clutch	62	120961X	Puck, Friction
22	120468X	Key, Clutch	63	64260	Disc, Brake
23	2242J	Key, Woodruff, #3	64	108989X	Spacer
24	120469X	Shaft, Intermediate	65	120953X	Ass'y, Jaw, Brake
25	2244J	Key, Woodruff #61	66	120954X	Pin, Dowel
26	105916X	Ring, Retaining	67	120955X	Screw, Tapping, 5/16 - 18 x 2.25
27	120470X	Sprocket, 18T.	68	108992X	Lever, Actuating
28	110070X	Spacer	69	108996X	Washer, Plain, .321 x 1.00 x .055
29	108977X	Gear, Spur, 37T.	70	120956X	Bracket, Anti-Rotation
30	120405X	Gear, Spur, 30T.	71	73810500	Nut, Lock 5/16-24
31	108980X	Gear, Spur, 25T.	72	106596X	Screw, Tapping, 5/16 - 18 x 1.44 Lg.
32	120406X	Gear, Spur, 22T.	73	120993X	Washer, Plain, .343 x .81 x .059
33	108455X	Gear, Spur, 19T.	74	120951X	Puck, Friction
34	105923X	Spacer, 1.13 x 1.50 x .375	75	120416X	Grease
35	105925X	Washer, Plain, .640 x 1.37 x .061			
36	2232J	Washer, Plain, .632 x 1.00 x .026			
37	108978X	Spacer, .630 x 1.00 x .169			
38	110079X	Ass'y., Gear, Combo., 12T. & 35T.			

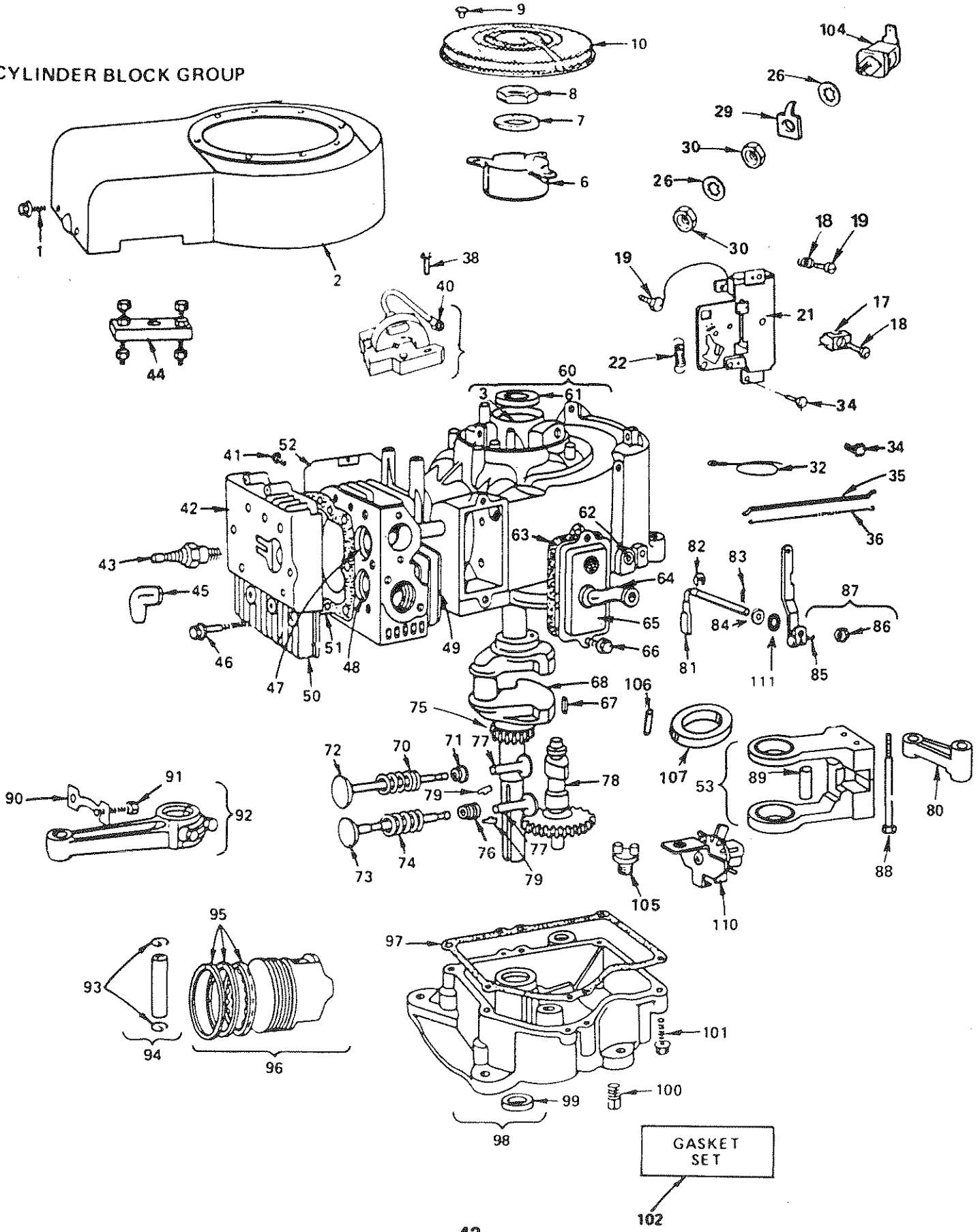
\*Use in various combinations to maintain proper clearances.

\*\*Order Key No. 15.

# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232  
ENGINE BRIGGS AND ATRATTON - MODEL NUMBER 252707  
TYPE NUMBER 0621-03

## CYLINDER BLOCK GROUP



# REPAIR PARTS

## 11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232 ENGINE BRIGGS AND ATRATTON - MODEL NUMBER 252707 TYPE NUMBER 0621-03

### CYLINDER BLOCK GROUP

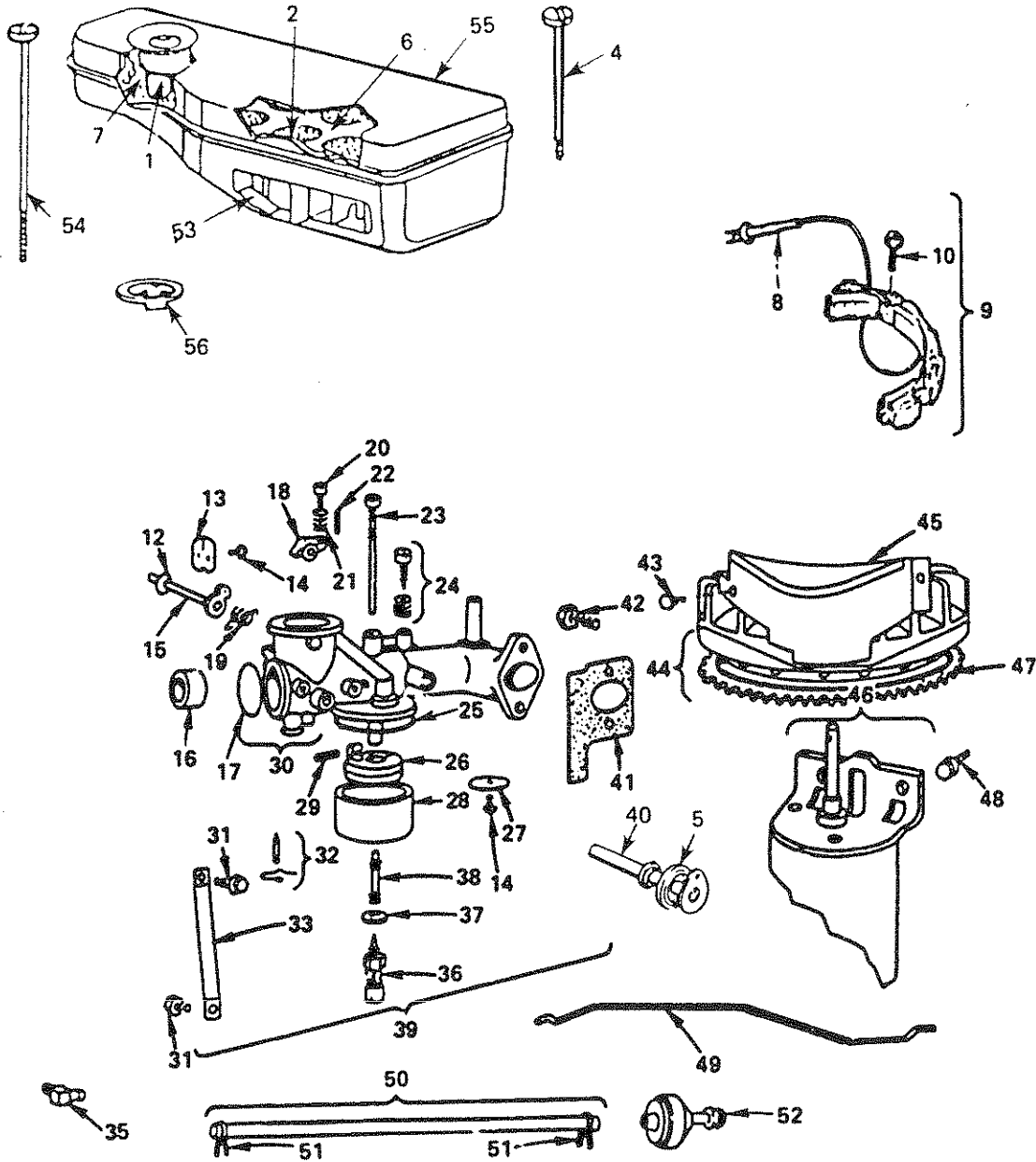
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93158	Screw - Blower Hsg. Mtg. Sem	71	221596	Retainer - Intake Valve
2	391556	Housing - Blower	72	261462	Valve - Intake
3	261623	Bushing - Cylinder	73	261185	Valve - Exhaust
		NOTE: Requires Special Tools For Installation	74	26828	Spring - Exhaust Valve
6	222561	Cup - Screen Mtg.	75	262135	Gear - Timing
7	220865	Washer - Spring	76	292260	Rotocoil - Exhaust Valve
8	92284	Nut - Hex	77	261183	Tappet - Valve
9	93805	Screw - Sem	78	212897	Gear - Cam
10	222562	Screen - Flush Rotating	79	93630	Retainer - Exhaust Valve Rotocoil (2)
17	221535	Clamp - Casing	80	212359	Link - Counterweight
18	93496	Screw - Sem	81	231058	Crank - Governor
19	93572	Screw - Control Brkt. Mtg.	82	93307	Retainer - E-Ring
20	231039	Spacer - Control Brkt. Mtg.	83	93306	Cotter - Hairpin
21	390784	Plate - Gov. Control	84	222450	Washer - Governor Crank
22	260695	Spring - Governor	85	92613	Bolt - Governor Lever
26	92791	Washer - Lock - Shakeproof	86	231082	Nut - Hex 10 - 24
29	93722	Terminal - Spade	87	490927	Lever Assy. - Governor (Inc. Key No.'s 85 & 86)
30	90576	Nut - Hex 8 - 32	88	93875	Screw - Counterweight
32	398808	Wire - Ground	89	298909	Pin - Counterweight
34	93572	Screw	90	222299	Lock - Conn. Rod Screw
35	262348	Link - Governor	91	92909	Screw - Conn. Rod
36	260584	Spring - Governor Link	92	391775	Rod Assy. - Conn. (Inc. Key No's 90 & 91)
38	93381	Screw - Armature Mtg. Sem			NOTE: For Connecting Rod With .020" Undersize Crank Pin Bore - Order No. 393712
39	398265	Armature - Magneto			
40	221798	Terminal - Ignition Cable			
41	93163	Screw - Cylinder Shield Mtg. Sem.	93	260924	Lock - Piston Pin
42	223985	Cover - Cylinder Head	94	299691	Pin Assy. - Piston - Std. (Inc. Key No. 93)
43	298809	Plug - Spark			
44	19203	Flywheel Puller	94	391286	Pin Assy. - Piston .005" O.S.
45	66538	Elbow - Spark Plug	95	391780	Ring Set - Piston - Std.
46	93723	Screw - Cylinder Head	95	391781	Ring Set - Piston .010" O.S.
47	261463	+Seat - Intake Valve	95	391782	Ring Set - Piston .020" O.S.
48	210940	+Seat - Exhaust Valve	95	391783	Ring Set - Piston .030" O.S.
49	231218	+Guide - Exhaust or Intake Valve	96	391285	Piston Assy. - Std. (Inc. Key No's 93 & 95)
50	212914	Head - Cylinder			
51	271075	*Gasket - Cylinder Head	96	391287	Piston Assy. - .010" O.S.
52	222744	Shield - Cylinder	96	391288	Piston Assy. - .020" O.S.
53	391373	Counterweight Assembly (Inc. Key No. 89)	96	391289	Piston Assy. - .030" O.S.
60	396324	Cylinder Assy. (Inc. Key No. 61)	97	270808	*Gasket - Crankcase Cover 1/64" thick ;
61	391086	Seal - Oil	97	270915	*Gasket - Crankcase Cover .005" thick ;
62	491986	Bushing - Gov. Crank	97	270916	*Gasket - Crankcase Cover .009" thick ;
63	27803	*Gasket - Valve Cover	98	391784	Sump - Oil (Inc. Key No.s 97 & 99)
64	280100	Tube - Breather	99	291675	Seal - Oil
65	391406	Breather Assembly	100	91084	Plug - Oil Drain
66	93394	Screw - Sem	101	93585	Screw - Sump Mtg. Sem
67	222698	Key - Flywheel	102	393411	Gasket Set
68	392299	Crankshaft to replace Crankshaft Gear Key, Order Part No. 94196	104	398525	Insulator Assembly
		Spring - Intake Valve	105	66768	Plug - Oil Filler
70	65906		106	94160	Pin Eccentric
			107	261242	Eccentric - Crankshaft
			110	490815	Oil Slinger, Gov. Gear & Bracket Assy. .
			111	491323	Seal-Oil

+Special Tools Required to Install  
\*Included in gasket Set - Part No. 393411

# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232  
ENGINE BRIGGS AND ATRATTON - MODEL NUMBER 252707  
TYPE NUMBER 0621-03

## CARBURETOR



CARBURETOR  
OVERHAUL KIT

57

# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232  
 ENGINE BRIGGS AND ATRATTON - MODEL NUMBER 252707  
 TYPE NUMBER 0621-03

## CARBURETOR

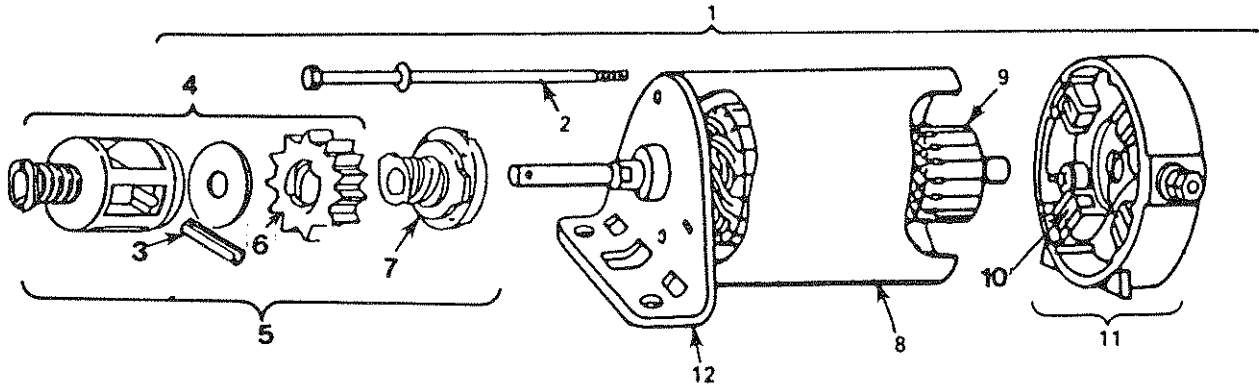
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	222380	Cup - Air Cleaner Support	29	230896	+Pin - Float Hinge
2	222495	Air Cleaner, Spacer	30	391787	Body Assembly Carburetor (Inc. Key No. 17)
4	93622	Screw - Air Cleaner	31	93572	Screw
5	398970	Seal - Throttle Shaft	32	394681	*Valve - Fuel Inlet
6	222382	Plate - Air Cleaner Cartridge	33	222311	Bracket - Carburetor
7	270843	Air Cleaner - Element	35	67218	Connector - Fuel Pipe
8	393814	Diode & Connector	36	396568	+Valve - Needle
9	391529	Stator - Alternator (Inc. Key No's. 8 & 10)	37	222014	+Washer - Float Bowl
10	93621	Screw - Sem	38	231323	+Screw - Nozzle
11	94018	Screw - Sem	39	491026	Carburetor Assy. (Inc. Key No.'s 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 36, 37 & 38) (Choke-A-Matic)®
12	270382	Washer - Choke Shaft	40	491006	Shaft & Lever - Throttle
13	222010	Valve - Choke	41	270872	*Gasket - Carburetor Mounting
14	93499	Screw - Throttle & Choke Valve Mtg. Sem	42	93357	Screw - Carburetor Mounting
15	390684	Shaft & Lever - Choke	43	93984	Screw - Sem
16	211960	Venturi - Carburetor	44	391988	Flywheel & Ring Gear Assy. - Magneto (Inc. Key No. 47)
17	221997	+Plug - Welch	45	395405	Cover & Shield - Starter
18	211712	Stop - Throttle	46	394805	Motor - Starting
19	261116	Spring - Choke Return	47	392134	Gear - Ring (Inc. Mounting parts)
20	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8	48	93523	Screw - Sem
21	26157	Spring - Throttle Adjustment	49	261610	Link - Choke
22	93043	Pin - Throttle Stop	50	393815	Line - Fuel (Inc. Key No. 51) (11" Long)
23	299740	+Nozzle - Carburetor	51	93053	Clamp - Fuel Pipe
24	292681	+Valve Assembly - Carburetor Idle	52	298090	Filter - Fuel
25	270511	+Gasket - Float Bowl	53	280118	Support - Air Cleaner Element
26	299707	Float - Carburetor	54	93323	Screw - Air Cleaner
27	222433	Valve - Throttle	55	391786	Cleaner - Air (Inc. key No.'s 1, 2, 4, 6, 7, 53 & 54)
28	221995	Bowl - Float	56	270853	Gasket - Air Cleaner
			57	394698	Carburetor Overhaul Kit

+Included in Carburetor Overhaul Kit - Part No. 394698  
 \*Included in Gasket Set - Part No. 393411

# REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254232  
 ENGINE BRIGGS AND ATRATTON - MODEL NUMBER 252707  
 TYPE NUMBER 0621-03

## STARTER - MOTOR



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	394805	Motor - Starting (Inc. Key No's. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12)	7	391135	Clutch Assembly
2	94003	Thru Bolt Assembly	8	393825	Housing Assembly
3	93754	Roll Pin	9	392747	Armature Assembly
4	393254	Retainer Kit (Inc. Key No.'s 3, 4 & 6)	10	395538	Brush Assembly
5	396865	Drive Assembly (Inc. Key No's 3, 4, 6 & 7)	11	395537	End Cap Assy. Commutator (Inc. Key No. 10)
6	280104	Gear	12	394856	End Cap Assy. Drive

# SERVICE NOTES

# SERVICE NOTES



# SERVICE NOTES

## Attachments That Add to the Usefulness of Your Craftsman Lawn 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 71-24939.

**LAWN SWEEPERS** let you collect grass clippings and leaves.

71-24030	30-in.	6.5 cu. ft.
71-24032	32-in.	10.0 cu. ft.
71-24038	38-in.	12.5 cu. ft.

**LAWN VACS** for powerful collection of heavy grass clippings and leaves. All accept optional 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.

71-24354	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-tight drum holds up to 390 lb. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum. Stock No. 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. Non-corrosive spreading spinner, nylon gear box, stainless steel shaft.
71-24395	Broadcasts 8 to 10 foot swath. 160 lb. capacity (covers 40,000 sq. ft.) No-rust polypropylene hopper and impeller. Vinyl hopper cover.

**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 it. Steel weight box for increased penetration. Stock No. 71-2435.

**DETHATCHER** loosens and flips thatch and matted leaves to lawn surface for easy pick up. Two rows of five double tooth spring tines dethatch 36-inch swath. Useful to prepare bare areas for reseeding and for seed bed preparation after tilling. Rear mount. Stock No. 71-24303.

**SPRAYERS** use 12-volt DC electric motor that connects to 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 20 foot wand length
71-24398	25 psi maximum pressure with 10 foot wand length

**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 No. 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 240 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- 26943

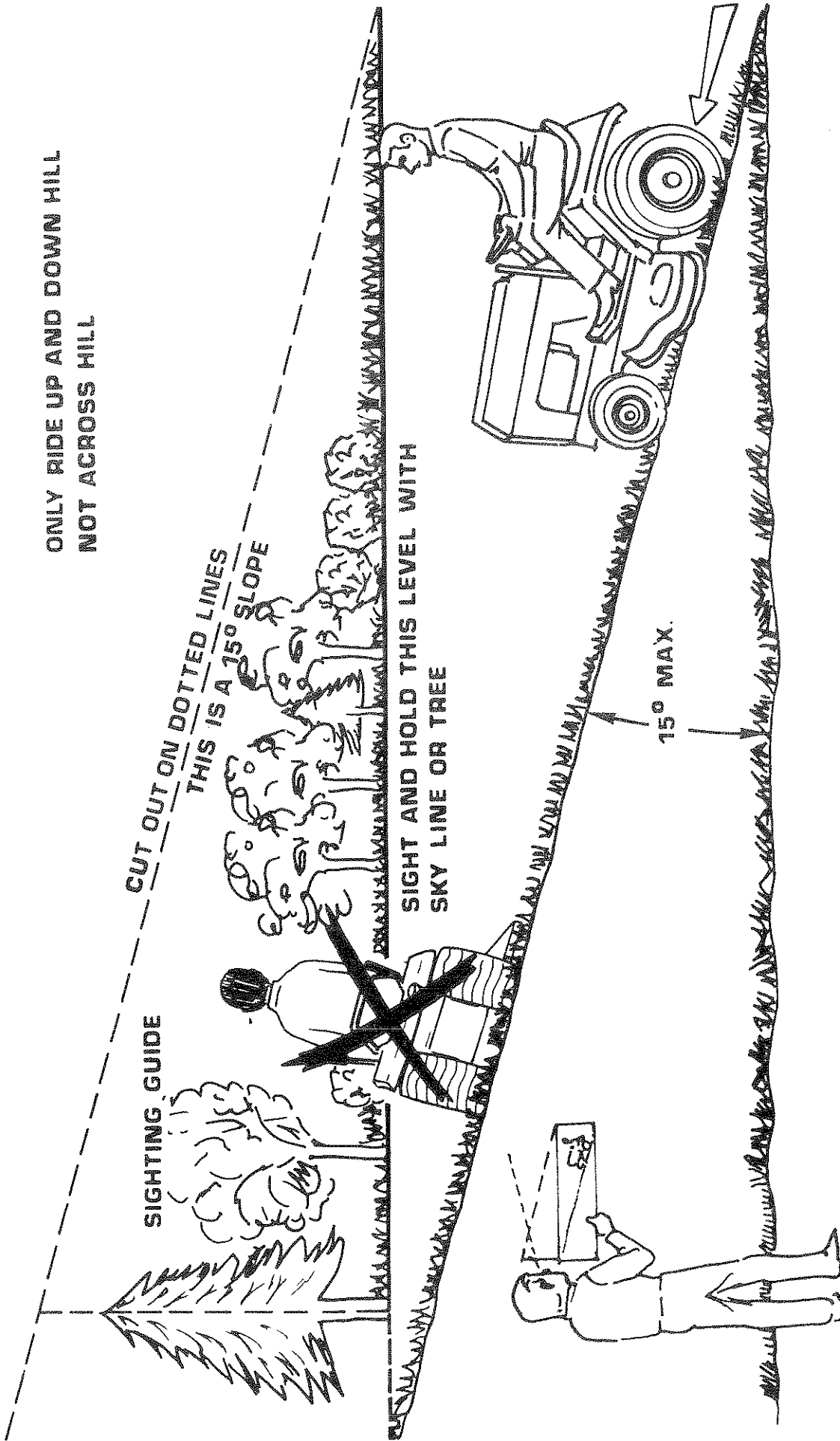
**WHEEL WEIGHTS** for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. Stock No. 71-24434 (30 lb.)

**TRACTOR CAB** has heavy-duty vinyl fabric over tubular steel frame. fiberglass 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. 71-24171

Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand-operated wiper (Stock No. 71-26168); 12-volt amber flashing caution light for mounting on cab top (Stock No. 71-26169).

# 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.  
917.254232**

**HOW TO ORDER  
REPAIR PARTS**

**CRAFTSMAN**

**LT 11 HP ELECTRIC START  
5 SPEED - 38" MOWER  
LAWN 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 Lawn 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:**

- THE PART NUMBER
- THE PART DESCRIPTION
- THE MODEL NUMBER
- 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".