

**SEARS**  
OWNER'S  
MANUAL

MODEL NO.  
917.254940

Caution:  
Read and follow  
all Safety Rules  
and Instructions  
Before Operating  
This Equipment



**CRAFTSMAN®**  
**14.0 HP**  
**ELECTRIC START**  
**38" MOWER DECK**  
**6 SPEED TRANSAXLE**  
**LAWN TRACTOR**

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



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



## **RULES FOR SAFE OPERATION**

**WARNING:** This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest covered, brush covered or grass covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or area laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator. (See REPAIR PARTS for part number identification).

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.

1. Know the controls and how to stop quickly. READ THIS OWNER'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 driver's 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 55.
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 is 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 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 entire grass catcher or mowers so equipped, or 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.

**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 54 for a list of available attachments.

SERIAL  
NUMBER \_\_\_\_\_

DATE OF PURCHASE \_\_\_\_\_

THE SERIAL NUMBER WILL BE FOUND ON THE MODEL PLATE UNDER THE SEAT.

YOU SHOULD RECORD THESE NUMBERS AND KEEP FOR FUTURE REFERENCE.

### **LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT**

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

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

This warranty does not cover:

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

#### **FULL 90 DAY WARRANTY ON BATTERY**

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

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

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

SEARS, ROEBUCK and CO., D/731CR-W, Sears Tower, Chicago, IL 60684




**DO NOT OVERLOAD TRACTOR BY TOWING WEIGHTS GREATER THAN 150 POUNDS (68 KG).**

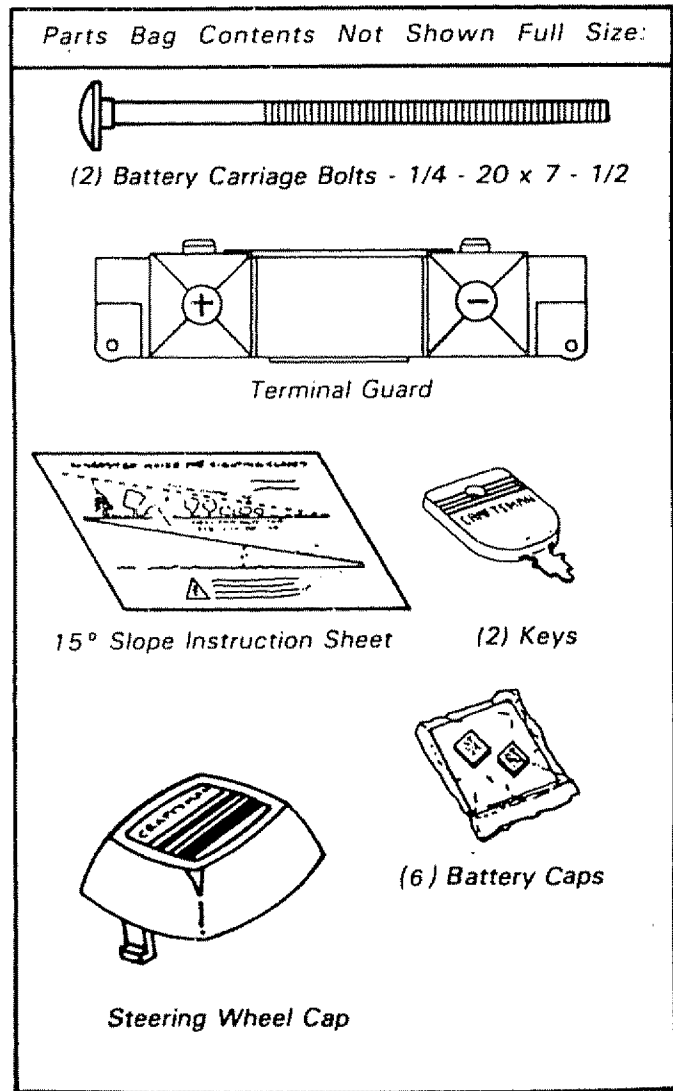
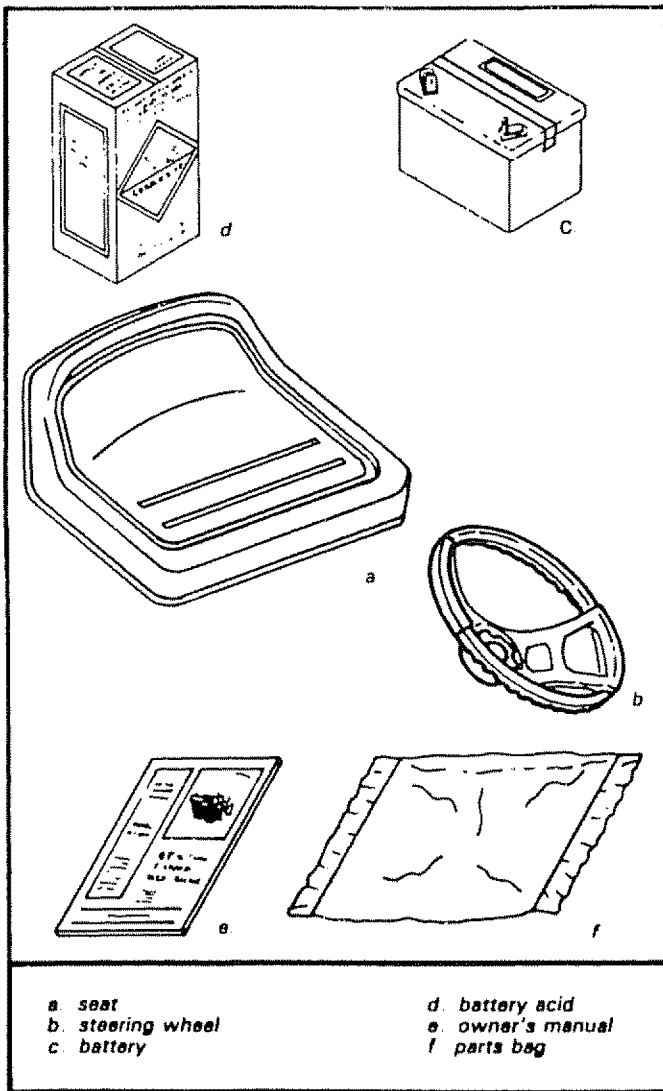
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# ASSEMBLY






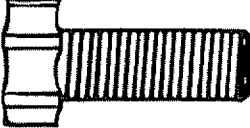
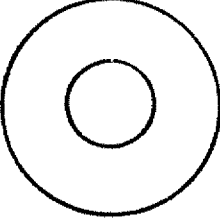
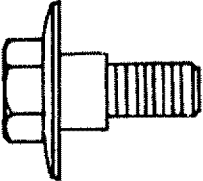


The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields before starting your tractor and while mowing. We recommend Wide Vision Safety Mask worn over spectacles or standard safety glasses, available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



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

# ASSEMBLY

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

# ASSEMBLY

## 1. Unpack Tractor

- Take items out of box. The box contains the items shown on page 6.
- Cut down four corners of the carton with utility knife and fold down sides.
- Disengage parking brake and position front wheels straight ahead.
- Remove plastic on tractor hood.
- Raise attachment lift handle.
- Roll Tractor off skid. Be careful of staples in skid.

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    | (2) 11/16" wrenches |

## 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. 1). 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 2 gallons (7 litres) of water in a five gallon (20 litres) plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- It is recommended that the battery be charged before use. Use a 12 volt battery charger. Charge battery at a rate of 6 amperes for 1 hour. NOTE: OBSERVE 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.

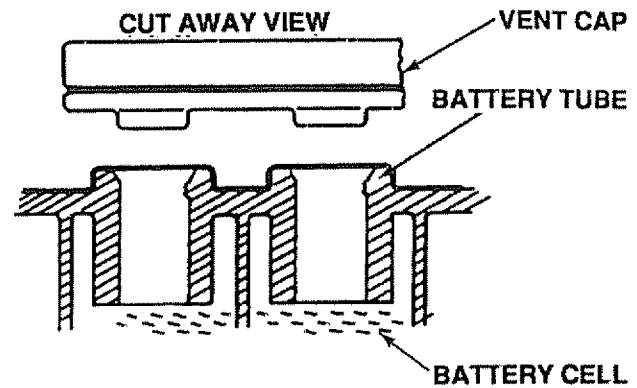


FIGURE 1

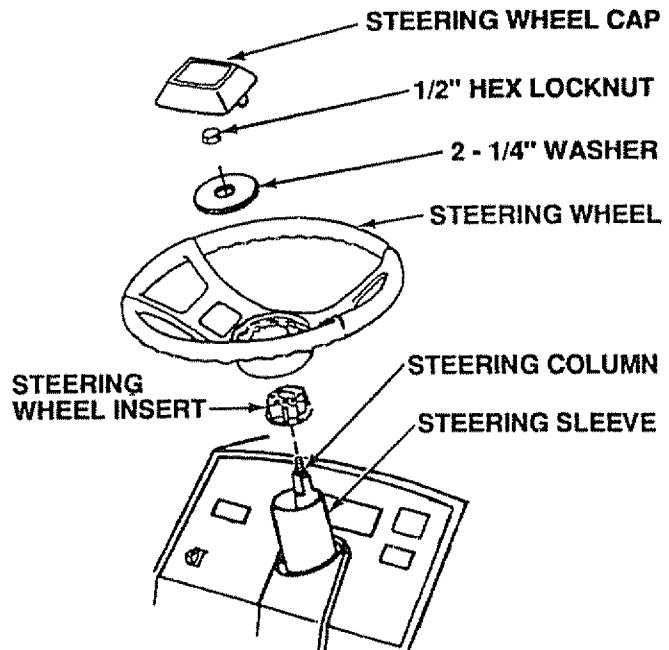


FIGURE 2

**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.**

## 3. Install Steering Wheel

NOTE: POSITION FRONT WHEELS FORWARD.

- Use a 3/4" wrench to remove hex nut and 2-1/4" diameter washer from steering column (Fig. 2).
- Position steering wheel over steering adapter. Bars of steering wheel should point straight across tractor.
- Secure steering wheel to steering column using hex nut and 2-1/4" diameter washer (Fig. 2). Torque to 50 ft. - lbs. (68 N-m).
- Snap steering wheel cap in place on steering wheel. Steering wheel cap is found in bag of parts.

# ASSEMBLY

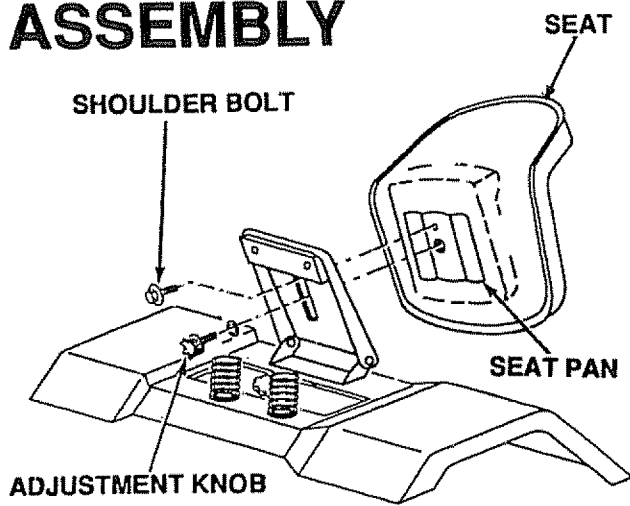


FIGURE 3

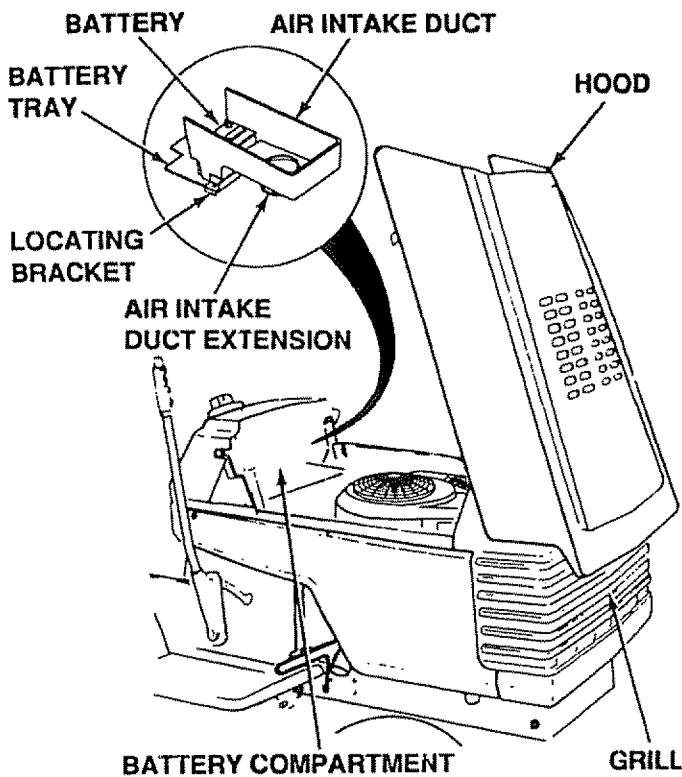


FIGURE 4

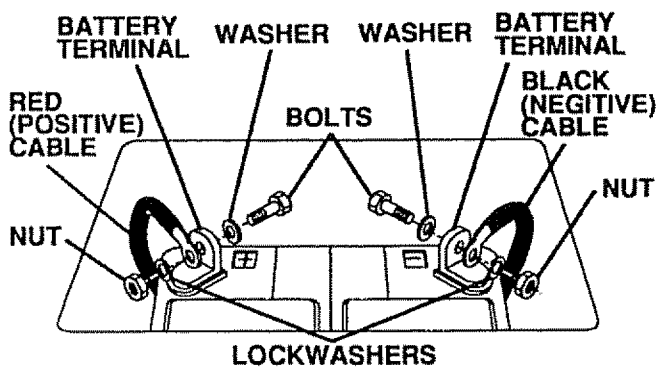


FIGURE 5

## 4. Install Seat

- Remove cardboard from seat pan.
- Place seat on seat pan. Screw adjustment knob and flat washer into seat (Fig. 3). Screw shoulder bolt into seat (Fig. 3). Adjustment knob, shoulder bolt and washer found in bag of parts (shown full size on page 6).
- Tighten shoulder bolt using a 1/2" wrench. **NOTE: THE SHOULDER BOLT WILL BE LOOSE IN THE SEAT PAN SLOT.**
- Tighten adjustment knob and flat washer securely.

**NOTE:** SEAT POSITION SHOULD BE ADJUSTED FORWARD OR BACKWARD SO THAT THE OPERATOR CAN COMFORTABLY REACH CLUTCH-BRAKE PEDAL AND SAFELY OPERATE TRACTOR.

- 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 adjustment knob. Slide seat to desired position. Tighten adjustment knob securely.



**ADJUSTMENT KNOB AND FLAT WASHER MUST BE TIGHTENED SECURELY TO PREVENT MOVEMENT OF SEAT.**

## 5. 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 15).

## 6. 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.**

- Lift hood from rear sides (Fig. 4).
- Lift out air intake duct.

**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.**

- 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. 5).
- 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. 5)
- To prevent corrosion, apply grease to the battery terminals after installing cables.



# ASSEMBLY

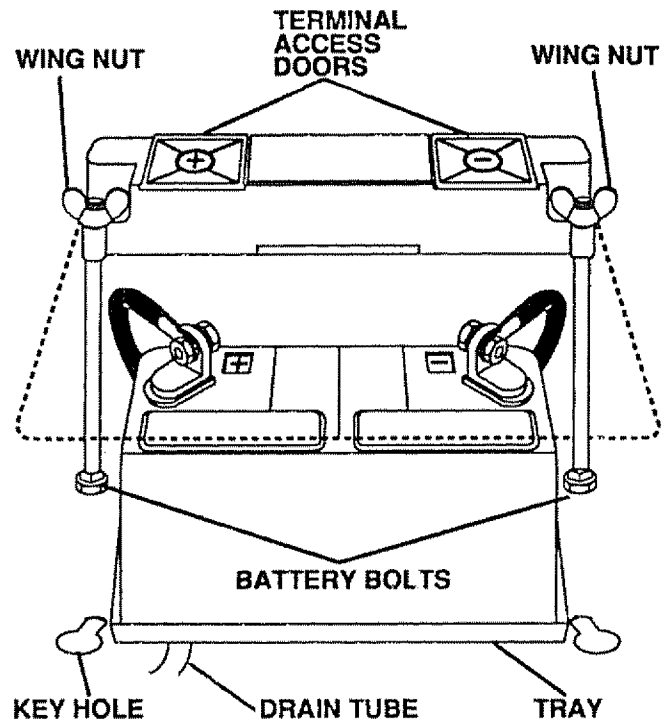
- f. Using the key hole on one side of the battery support (Fig. 6) slide battery bolt into frame key hole (head of bolt down). Fasten the battery bolt to the terminal guard using wing nut, (shown full size on pg. 6) as shown in Fig. 6.
- g. Assemble the remaining battery bolt to other side of battery support and fasten terminal guard to it with remaining wing nut, (shown full size on pg. 6) as shown in Fig. 6.
- h. Replace air intake duct (Fig. 4). Make sure bottom lip of duct sits between battery and lip of battery tray.



**BE SURE THAT THE AIR INTAKE DUCT IS PROPERLY PLACED IN ENGINE COMPARTMENT. IMPROPER LOCATION MAY RESULT IN DAMAGE TO THE AIR INTAKE DUCT DURING ENGINE OPERATION. SEE FIGURE 4 (INSET) FOR PROPER PLACEMENT.**

**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.

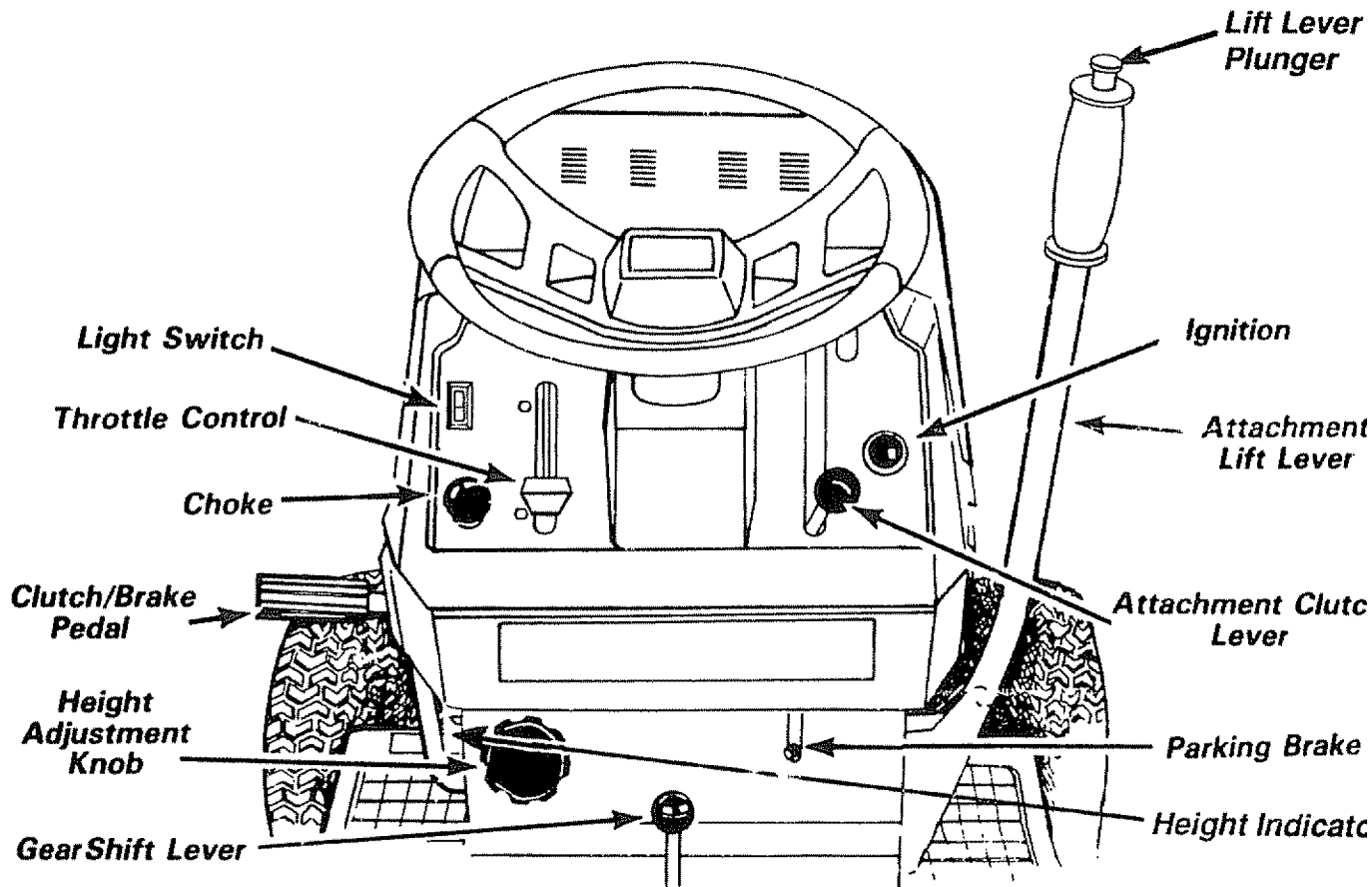


**FIGURE 6**

# OPERATION

## KNOW YOUR TRACTOR

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



**ATTACHMENT CLUTCH LEVER:** Push lever up to engage 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 plunger, 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. When using attachments other than a mower deck, turn knob to fully lowered position to permit full travel of the attachment.

**GEARSHIFT:** Press the clutch/brake pedal down firmly and move gearshift 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 "Engage" position and release pressure from pedal. Clutch/brake pedal will remain in brake position.

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

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

# OPERATION

## 1. Stopping Your Tractor



**DO NOT CHOKE CARBURETOR TO STOP THE ENGINE.**

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

- Push clutch/brake pedal into full "BRAKE" position. Keep your foot on pedal (Fig. 21).
- 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 STOP YOUR TRACTOR BEFORE ATTEMPTING TO START 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 17).
- Fill fuel tank. Use fresh, clean, regular unleaded gasoline. Capacity is 2 gallons (7.6 litres).

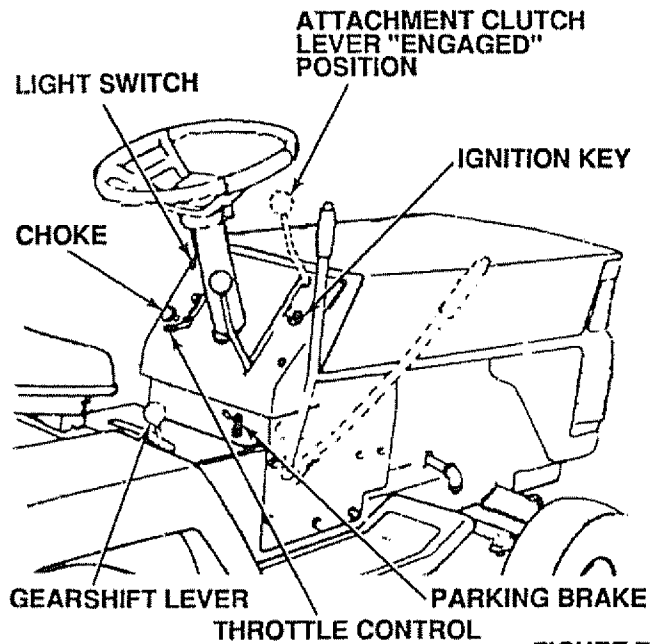


**FILL TO BOTTOM OF GAS TANK FILLER NECK. DO NOT OVERFILL. WIPE OFF ANY SPILLED OIL OR FUEL. DO NOT STORE, SPILL OR USE GASOLINE NEAR AN OPEN FLAME.**

**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 ANY 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.



**NOTE:** FRESH, CLEAN WINTER GRADE FUEL MUST BE USED TO INSURE GOOD COLD WEATHER STARTING.

## 3. Starting the Engine

- Move throttle control lever (Fig. 7) past "FAST" to the "CHOKE" position.
- 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.

- 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 26).
- After the engine starts move throttle control lever slowly to the "SLOW" position.
- 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 TRANSAXLE.



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

# OPERATION

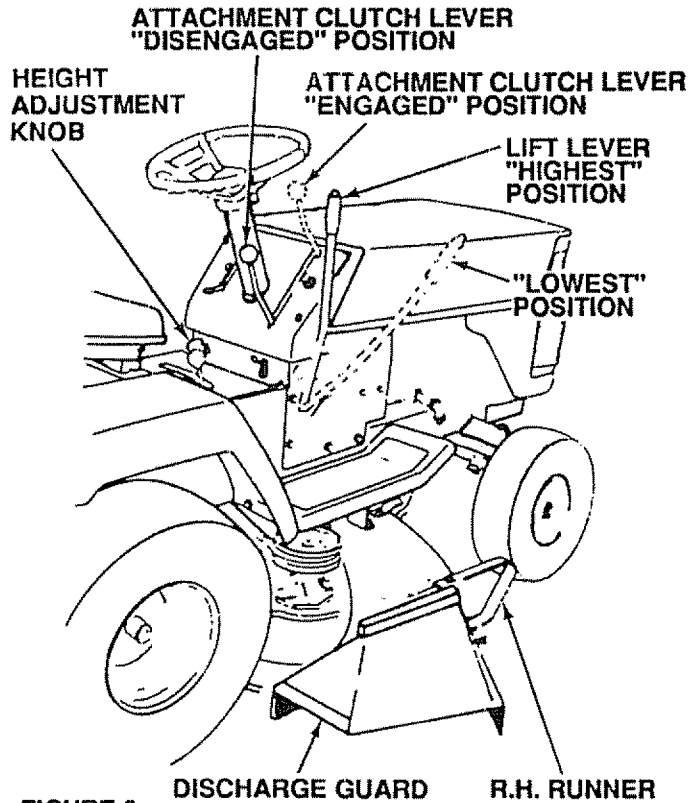


FIGURE 8

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

## 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.

**WHEN PARKING BRAKE IS ENGAGED, MAKE SURE THAT IT WILL KEEP TRACTOR FROM MOVING.**



**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.**

### 4. Operating Your Lawn Tractor and Mower



**DO NOT OPERATE THE MOWER WITHOUT EITHER THE ENTIRE GRASS CATCHER, ON MOWERS SO EQUIPPED, OR THE DEFLECTOR SHIELD 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 page 10)
- 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 at left)
- f. Move throttle lever to half throttle and slowly move attachment clutch lever to engaged position, Fig. 8.
- 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 GEARSHIFT LEVER, COME TO A COMPLETE STOP. FAILURE TO DO SO CAN RESULT IN GEAR BOX DAMAGE.

# OPERATION

## 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 24).
- b. Use the Runner on the R.H. side as a guide; the Blade cuts approximately an inch (2.54 cm) 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 Guide, page 12.
- h. Do not mow tall, dry (brown) grass over 6 inches (15.24 cm) tall. It is a fire hazard.

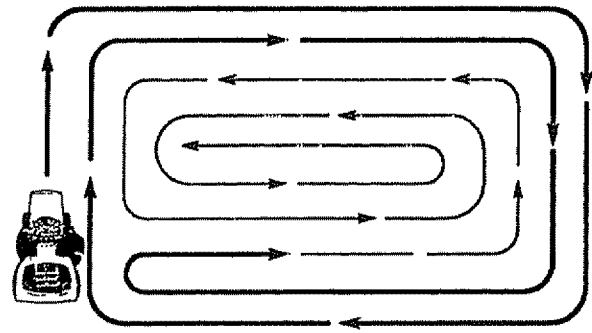


FIGURE 9

## 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 55.**

- a. Move gearshift 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.

## 7. Transporting Your Tractor

For pushing or towing your tractor, place gearshift lever in "N" position. Do not tow or push at more than 6 MPH (9.7 KPH).

# MAINTENANCE

To keep your tractor running better and 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 25).
4. Make sure areas around muffler, engine and mower deck are clean and free of debris buildup.

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

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



SERVICE RECORD	SERVICE DATES					
	FIRST 2 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY 200 HOURS
FILL IN DATES AS YOU COMPLETE REGULAR SERVICE						
Change Engine Oil	✓					
Check Brake Operation		✓				
Check Tire Pressure		✓				
Clean Air Screen			✓			
Clean Air Cleaner			✓			
Lubricate Pivot Points (see page 25)			✓			
Check Battery Level and Recharge			✓			
Clean Battery and Terminals			✓			
Carburetor Adjustment			✓			
V-Belt Adjustment			✓			
Clean Engine Cooling Fins				✓		
Check Muffler				✓		
Replace Air Cleaner Paper Cartridge					✓	
Replace Spark Plug					✓	
Change Engine Oil Filter						✓
Replace Fuel Filter						✓

# REPAIR & ADJUSTMENT

## 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 (1.8 METERS) 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" (3.81 cm), loosen jam nut (Fig. 10) and turn nut until distance becomes 1-1/2" (3.81 cm). Retighten jam nut against nut "A".

Road test tractor for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than 6 feet (1.8 meters) in highest gear, further maintenance is necessary. Contact your local Sears Service Center.

## 2. Tire Care

- Maintain tire pressure in front at 14 PSI (1 Kg/cm<sup>2</sup>) and rear tires at 12 PSI (.84 Kg/cm<sup>2</sup>).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.



**WHEN MOUNTING TIRES, BEADS MUST BE SEATED. OVERINFLATION CAN CAUSE AN EXPLOSION.**

- Removing wheel for tire repair (Fig. 12).
  - Block up axle securely.
  - Remove hub cap, klip ring and washer to allow wheel removal (rear wheel contains a square key - Do Not Lose).
  - Repair tire and reassemble. Align slots in rear wheel hub and axle. Insert square key. Replace washers and snap klip ring securely in axle groove. Replace hub cap.

**NOTE: USE GREASE FITTINGS TO LUBRICATE FRONT WHEELS WITH GENERAL PURPOSE GREASE. APPLY AN ANTI-SEIZE OR GOOD GENERAL PURPOSE GREASE TO LUBRICATE REAR AXLES.**

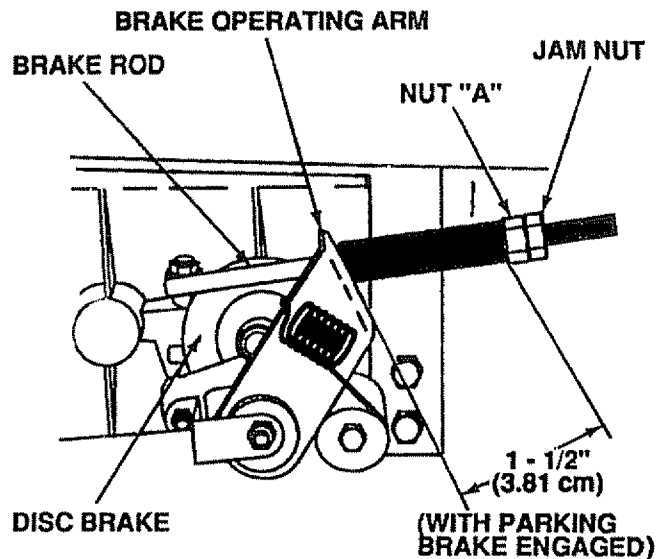


FIGURE 10

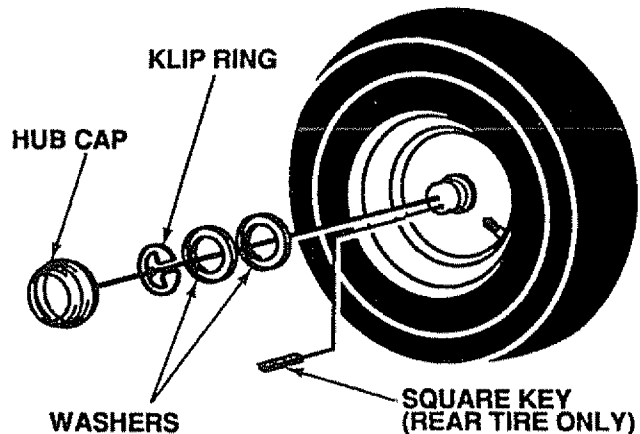


FIGURE 11

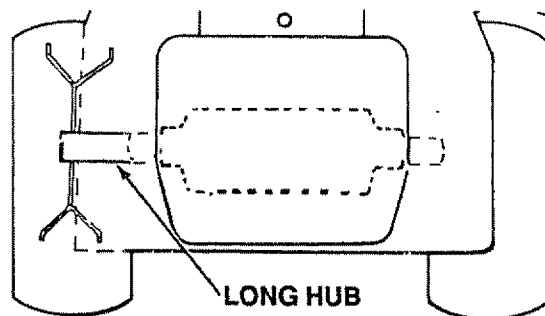


FIGURE 12



**WHEN REPLACING REAR WHEELS ON THE TRACTOR, THEY MUST BE MOUNTED WITH THE LONG HUB SIDE TOWARD THE CENTER OF THE TRACTOR. INCORRECT INSTALLATION COULD AFFECT LATERAL STABILITY (FIG. 12).**

# REPAIR & ADJUSTMENT

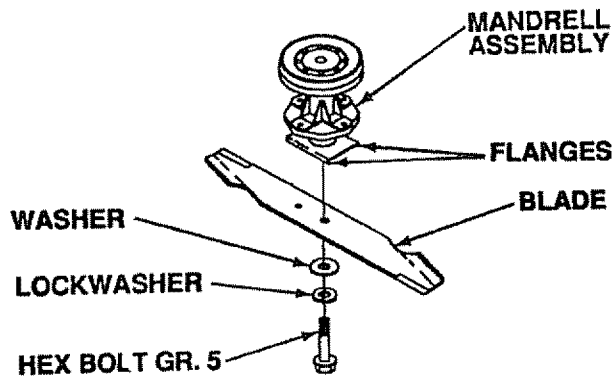
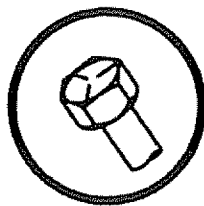


FIGURE 13



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

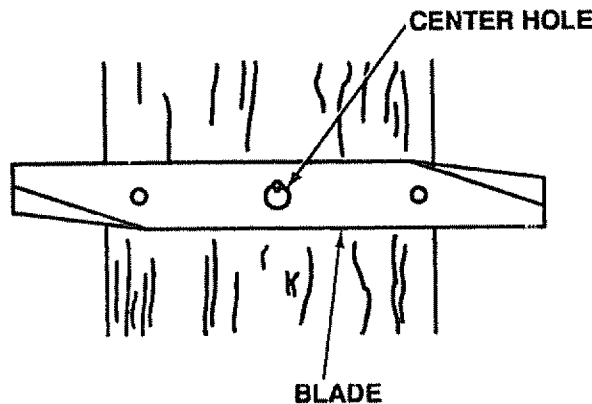


FIGURE 14

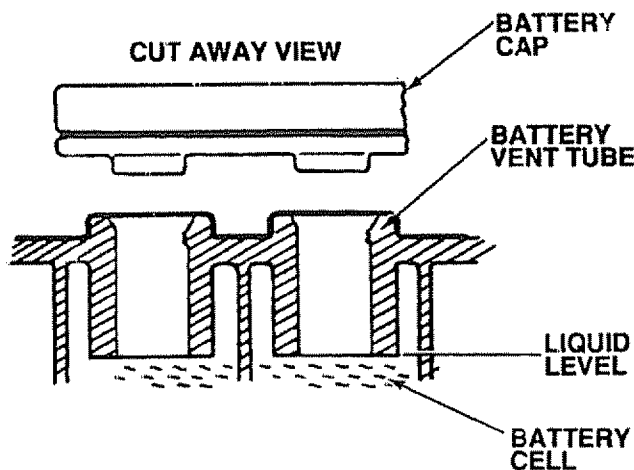


FIGURE 15

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

### a. Blade Replacement

Raise mower to highest position to permit access to blades.

1. Remove the hex head bolt, lockwasher and flat washer (Fig. 13) (turn counterclockwise).
2. Remove and discard old blade.
3. Clean top and bottom of mower housing.
4. 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. (41 - 47 Nm).

- b. 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.
- c. To check blade balance, drive a nail into a beam or wall. Leave about one inch (2.54 cm) of the straight nail exposed. Place center hole of clean blade over the head of the nail (Fig. 14). NOTE: CENTER THE HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 14. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED. SHARPEN THE HEAVY END UNTIL BLADE IS BALANCED.

## 4. Battery Care



IF BATTERY IS REMOVED, DO NOT OPERATE ENGINE. SPARKING MAY OCCUR.

### CHECK BATTERY

- a. Battery acid solution level in each battery cell should be even with bottoms of vent tubes in cells (Fig. 15). 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.

NOTE: OVERCHARGING WILL SHORTEN BATTERY LIFE.



# REPAIR & ADJUSTMENT

## 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.



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

- Remove terminal guard.
- Disconnect **BLACK** battery cable, then **RED** battery cable, and remove battery from tractor.
- Wash battery with four tablespoons (60 grams) of baking soda to one gallon (3.8 litres) of water. **NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS.**
- Rinse the battery with plain water, dry and reinstall on tractor.
- Clean terminals and battery cable ends with wire brush until bright.
- Replace battery cables, connecting **RED** battery cable to positive terminal first, then **BLACK** battery cable to negative terminal. Coat terminal connections with grease after installation of cables.
- Replace terminal guard.

## 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.

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

- Drain oil with engine warm. Loosen oil drain plug (Fig. 16) and remove dipstick (Fig. 16). Catch oil in a suitable container. Replace plug.
- Refill engine oil (see chart at right). Refill capacity is 3-1/2 pints (1.6 litres) with empty oil filter or 3 pints (1.4 litres) with full oil filter. **NOTE: DO NOT OVERFILL.** Replace dipstick.

## RECOMMENDED SAE VISCOSITY GRADES

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

**CAUTION: TO AVOID DAMAGE TO THE STARTING SYSTEM, USE SAE 5W30 OIL WHEN THE TEMPERATURE FALLS BELOW 32° F (0° C).**

## 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. 16) 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 right.)

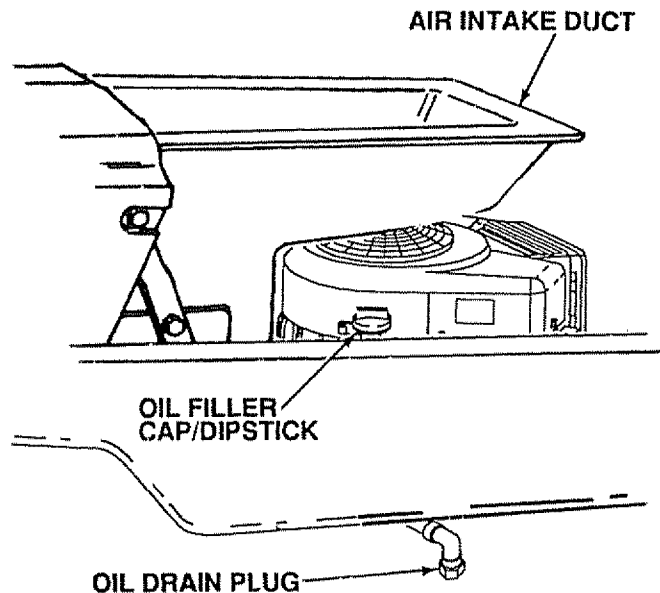
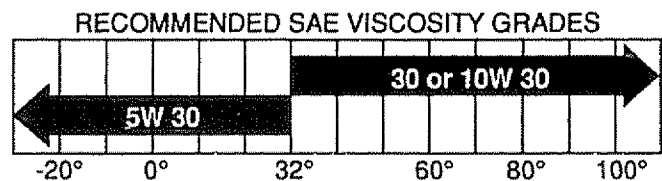


FIGURE 16



# REPAIR & ADJUSTMENT

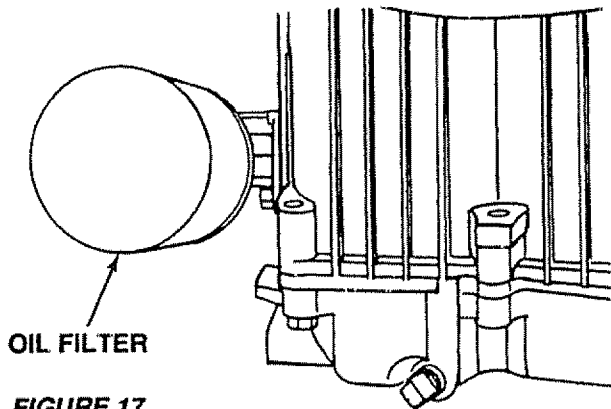


FIGURE 17

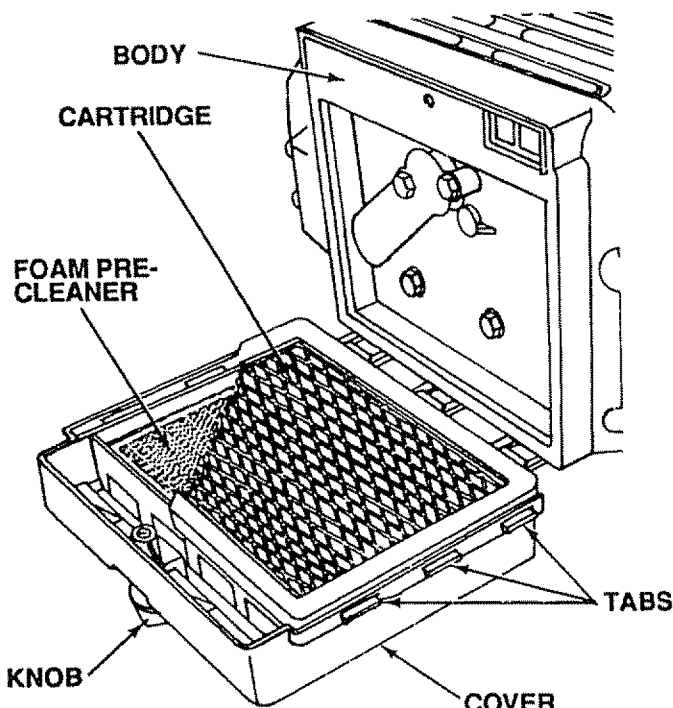
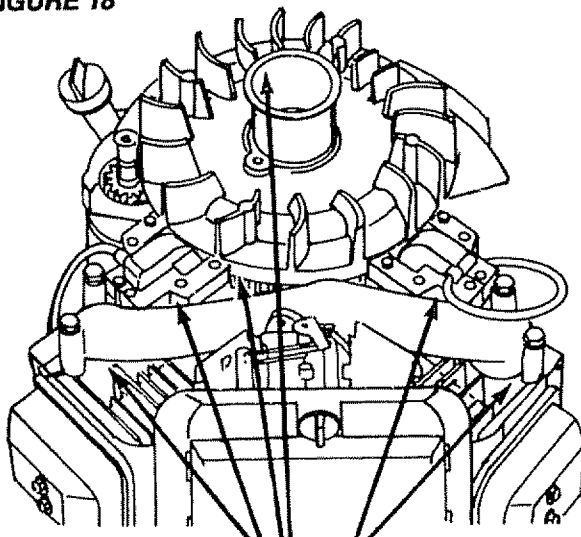


FIGURE 18



CLEAN THESE AREAS OF DIRT AND DEBRIS

FIGURE 19

## 7. Change Oil Filter

- Unscrew old filter (Fig. 17) by turning counterclockwise. Use a suitable container to catch oil.
- Lightly oil gasket on new filter.
- Install new filter. Screw filter on by hand until gasket just touches engine. Then tighten 3/4 of a turn tighter. Do not overtighten.

NOTE: OPERATING IN DUSTY CONDITIONS MAY REQUIRE MORE FREQUENT SERVICING.

## 8. Clean Air Cleaner Element (Fig. 18)

- Unscrew knob, open cover, and remove cartridge.
- Remove foam pre-cleaner.
- Wash pre-cleaner in liquid detergent and warm water to remove dirt.
- Wrap pre-cleaner in cloth and squeeze dry. Lightly coat foam with engine oil. Squeeze in rag or towel to remove excess oil. Do not saturate.
- Clean air cleaner body carefully to prevent dirt from entering carburetor.
- Clean cartridge by gently tapping on flat surface. If very dirty, replace cartridge.
- Reassemble air cleaner.

CAUTION: PETROLEUM SOLVENTS ARE NOT TO BE USED TO CLEAN PAPER CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT USE PRESSURIZED AIR.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

## 9. Clean Air Screen and Engine Cooling Fins



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

- Air screen (Fig. 19) must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and dried gum fibers.
- Clean air cooling system (Fig. 19). Grass, oil or dirt may clog the air cooling system, especially after prolonged service by cutting dry grasses. To avoid overheating and engine damage, remove the blower housing and clean the area shown in Fig. 19.

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.

## 10. Check Muffler

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



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

## 11. Lubricate Pivot Points

Place several drops of SAE 30 oil at points where parts move against each other. See Lubrication Chart, page 25.

# REPAIR & ADJUSTMENT

## 12. Starting Your Tractor With a Weak Battery

If your battery is too weak to start the engine, it should be re-charged. If "jumper cables" are used for emergency starting, follow this procedure:

**NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM.**



**LEAD-ACID BATTERIES GENERATE EXPLOSIVE GASES. KEEP SPARKS, FLAME AND SMOKING MATERIALS AWAY FROM BATTERIES. ALWAYS WEAR EYE PROTECTION 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. 20)
- Connect one end of the **BLACK** cable to the **NEGATIVE (-)** terminal of fully charged battery.
- Connect the other end of the cable to the **L.H. side panel bolt** (Fig. 21) **NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.**
- Disconnect cables in reverse order:
  - L.H. side panel bolt (Fig. 21).
  - Negative terminal of fully charged battery.
  - Positive terminals.



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



**IF BATTERY IS REMOVED DO NOT OPERATE ENGINE. SPARKING MAY OCCUR.**

## 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 control cable adjustments.

- Remove hood (Fig. 30).
- Loosen casing clamp screw until throttle cable is free to move.
- Move throttle control (on the dashboard) to "FAST" position.
- Move throttle cable casing and wire until the swivel contacts the stop (Fig. 23).
- Retighten casing clamp screw.

## 14. Choke Control Adjustment

- Shut off engine.
- Loosen knob and remove cover assembly from air cleaner.
- With the choke control on the dash in the "choked" or out position, the choke should be closed (Fig. 22). If it is, then close up air cleaner. If it is not, go to step d.

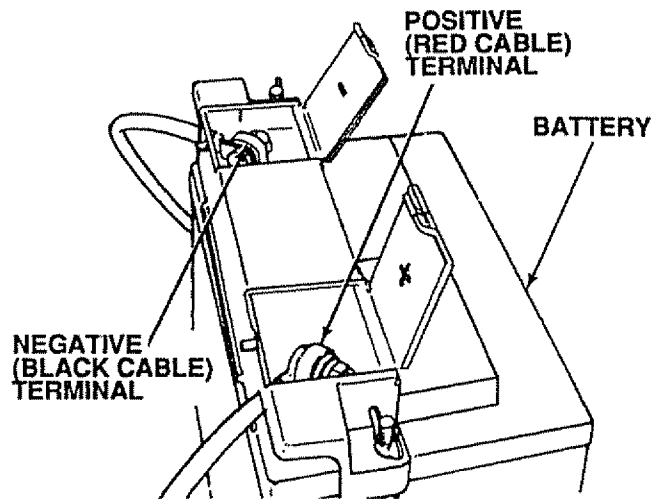


FIGURE 20

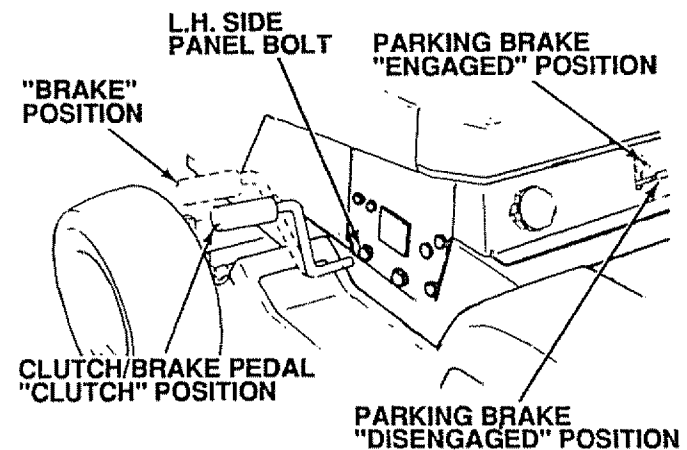


FIGURE 21

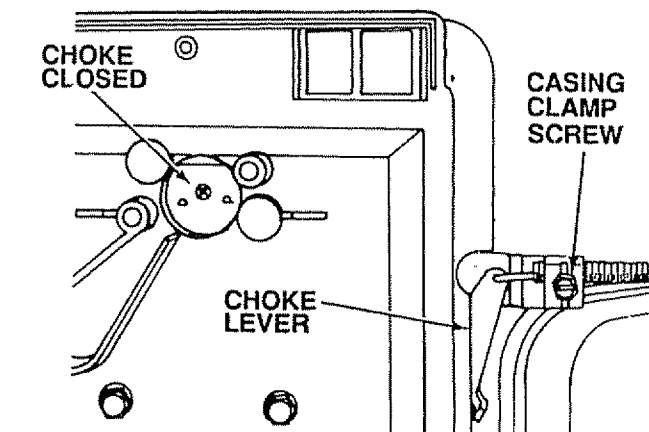


FIGURE 22

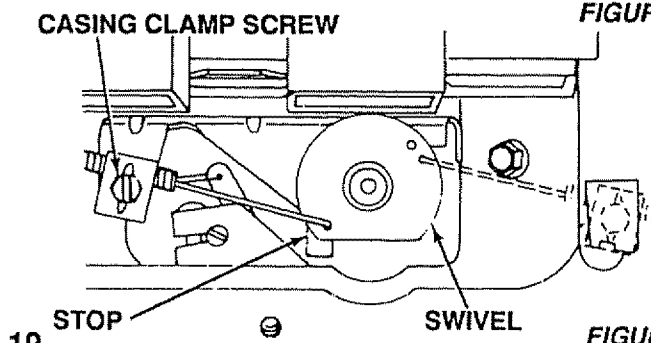


FIGURE 23

# REPAIR & ADJUSTMENT

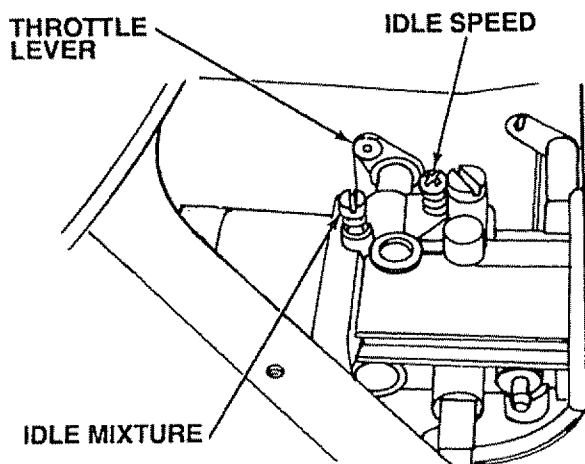


FIGURE 24

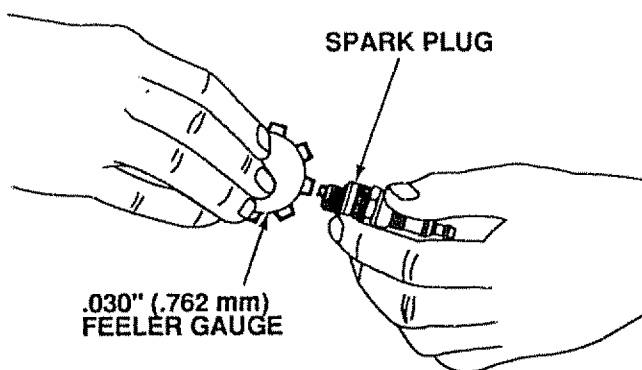


FIGURE 25

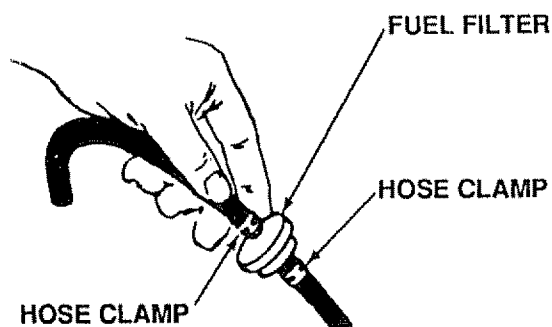


FIGURE 26

- d. Loosen casing clamp screw.
- e. Move choke cable casing and inner wire until choke on engine is completely closed.
- f. Tighten casing clamp screw.
- g. Close up air cleaner and secure with knob.

## 15. Carburetor Adjustment

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

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



**REFER TO "STARTING THE ENGINE" PAGE 11.**

- a. Gently turn idle mixture valve clockwise (Fig. 24) until it just closes and then counterclockwise 1 – 1/2 turns.

**NOTE:** THE VALVE MAY BE DAMAGED BY TURNING IT IN TOO FAR.

- b. Start engine and allow to warm for five minutes. Make final adjustments with engine running and choke pushed in.
- c. Move throttle control lever (on dashboard) to "SLOW" position.
- d. Hold throttle control lever against idle speed screw, and adjust idle speed screw to obtain 1300 to 1500 RPM (Fig. 24).
- e. While still holding the throttle control lever against idle speed screw, turn idle mixture valve slowly clockwise (lean mixture) until speed just starts to slow. Then turn idle mixture valve counterclockwise until speed starts to slow.
- f. Turn idle mixture valve back to the midpoint between rich and lean.
- g. Adjust the idle speed screw to obtain 900 to 1200 RPM. Release throttle control lever.
- h. Move throttle control (on the dashboard) to "FAST." If engine hesitates or dies, turn idle mixture valve counterclockwise until engine will accelerate as throttle control is moved from "SLOW" to "FAST."

## 16. Replace Spark Plug

Replace spark plug at the beginning of each mowing season or every 100 hours, whichever comes first. Gap should be set a 0.030 inch (0.762 mm) (Fig. 25).

## 17. Replace In-line Fuel Filter

**BE SURE THERE ARE NO FUEL LINE LEAKS AND THOSE HOSE CLAMPS ARE PROPERLY INSTALLED.**

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

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

# REPAIR & ADJUSTMENT

## 18. 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.

- Remove mower. (See page 22).
- Remove two retainer springs from belt guide bracket below transaxle pulley. Remove bracket (Fig. 27).
- Swing belt guides away from belt, toward rear of tractor (Fig. 27).
- Roll belt over top of transaxle pulley.
- Roll belt over engine pulley and off idler (Fig. 28).
- Release parking brake. Pull belt as far as possible over top of clutch pulley.
- Reset parking brake. Pull belt over top of clutch pulley (Fig. 28).
- Pull belt out through shift gate to remove from tractor (Fig. 29).
- Install belt by reversing above procedure.

NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.

## 19. Fuse Replacement

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located under the dash.

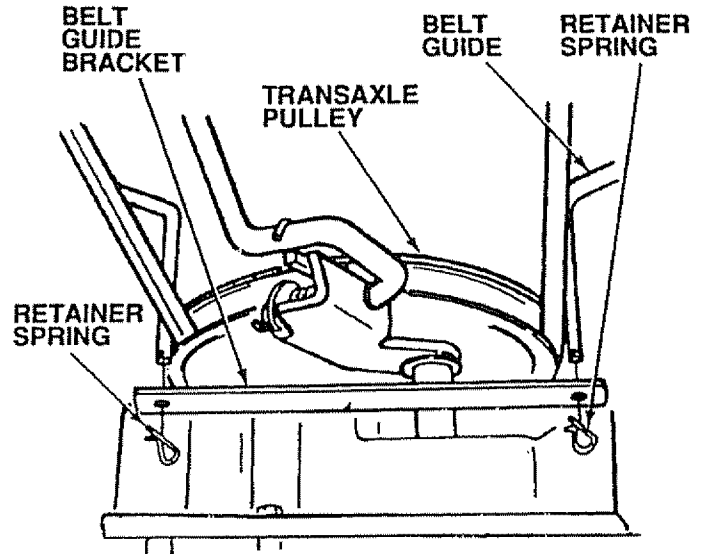


FIGURE 27

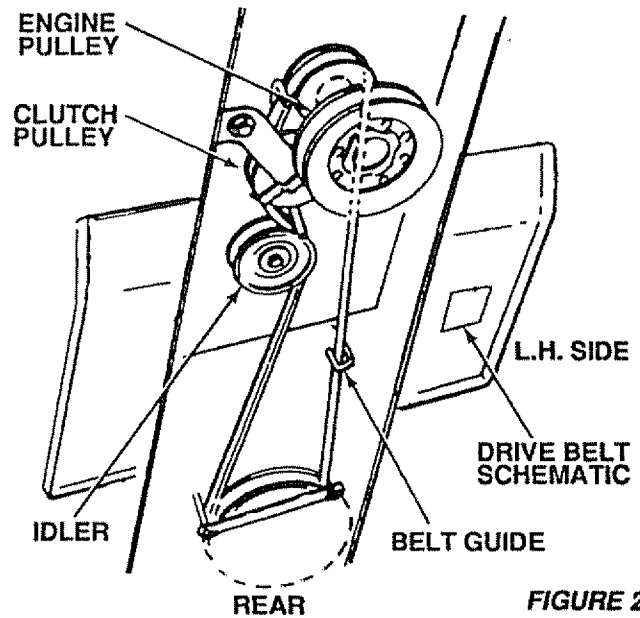


FIGURE 28

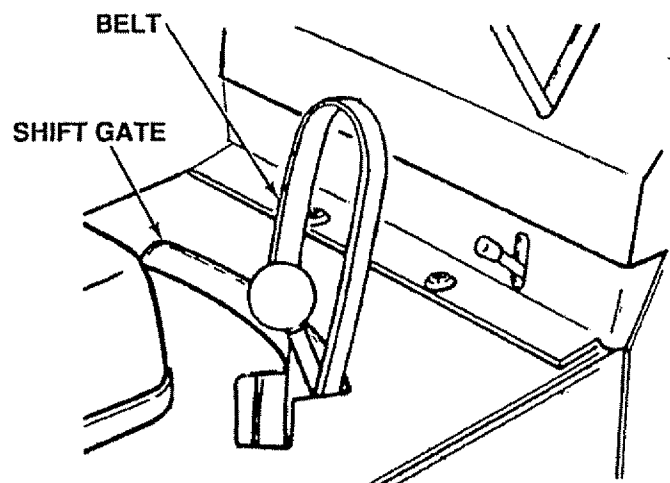


FIGURE 29

# REPAIR & ADJUSTMENT

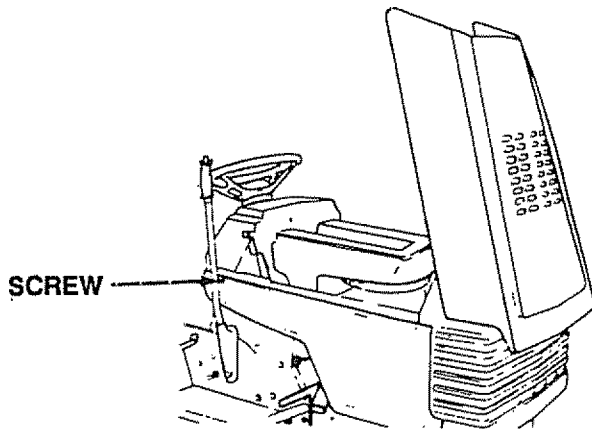


FIGURE 30

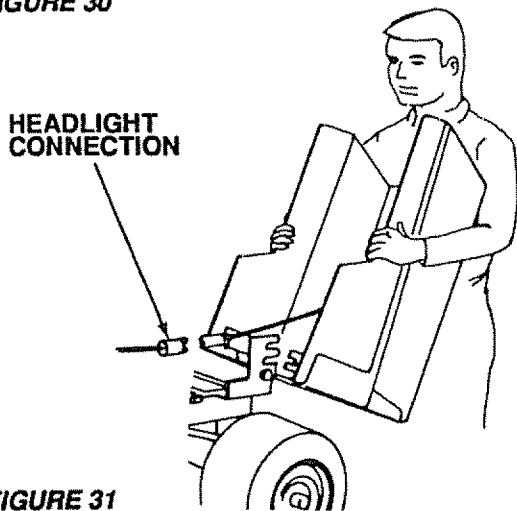


FIGURE 31

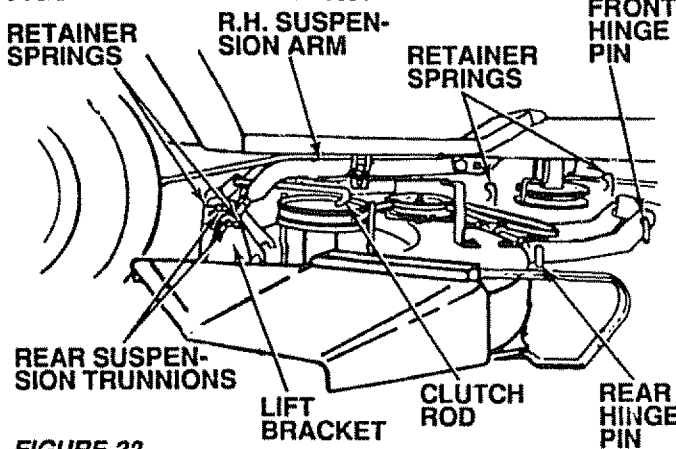


FIGURE 32



FIGURE 33

HEIGHT ADJUSTMENT KNOB 22

## 20. 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. 30).
- Unsnap headlight connection (Fig. 30).
- Stand in front of tractor. Grasp hood and tilt forward and lift off (Fig. 31).
- To reinstall, reverse above procedure.

## 21. 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. (Fig. 32)
- Pull retainer springs out of rear suspension trunnions. Remove rear suspension trunnions from lift brackets (Fig. 32).
- Pull retainer spring out of rear hinge pin. Remove rear hinge pin. (Fig. 32).
- Pull retainer spring out of front hinge pin. Remove front hinge pin (Fig. 32).
- 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. 32) SHOULD BE REMOVED FROM TRACTOR.

## 22. Mower Installation

Your Mower installs without the use of tools. Raise Attachment Lift Lever (Fig. 33) to its highest position.

- Slide Mower under tractor, discharge guard to R.H. side.
- Install front hinge pin through axle and parallel link (Fig. 32). Secure with retainer spring.
- Install rear hinge pin through mower lift brackets and parallel link (Fig. 32). Secure with retainer spring.
- Install clutch rod in clutch lever (Fig. 34).
- Move Attachment lift lever (Fig. 33) forward to lower suspension arms. Slide trunnions through lift bracket holes and secure with retainer springs (Fig. 32).
- Roll belt over engine pulley. Make sure belt is inside belt guides (Fig. 35). See belt drive schematic decal on mower housing.
- Use attachment lift lever (Fig. 33) to raise mower.
- Push lift lever plunger down and position attachment lift lever to the middle of its travel, or to desired cut height (Fig. 33). Release lift lever plunger.

## 23. 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. 33).
- Move Attachment lift lever (Fig. 33) forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Pull belt off both mower deck pulleys.

# REPAIR & ADJUSTMENT

- e. Spring belt guide away from idler pulley and pull belt off idler pulley.
- f. Slide belt from under extension spring.

## 24. Mower Drive Belt Replacement

- a. Slide belt under extension spring (Fig. 36).
- b. Place belt on rear side of both mandrel pulleys.
- c. Spring idler belt guide down and place belt around rear side of idler pulley.
- d. Roll belt over engine pulley.
- e. Make sure belt is inside all belt guides.

## 25. 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 THE HIGHEST POSITION.

- a. Lower the mower deck for easier access.
- b. Using (2) 7/16" wrenches, remove the bolt, nut & D-Shaped washers (Fig. 36 - inset).
- c. Move extension spring from lower end of slot to upper end in rock shaft assembly and install bolt, nut & the D-Shaped washers.
- d. 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.

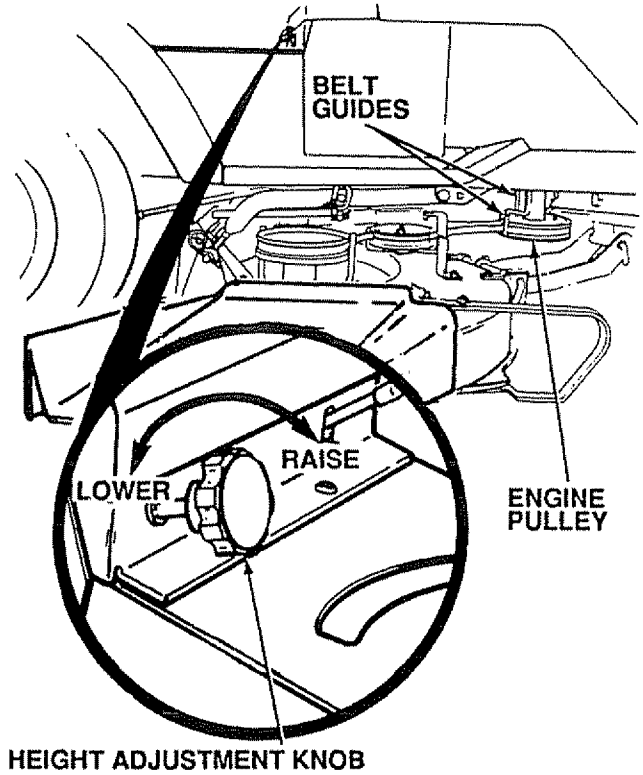


FIGURE 35

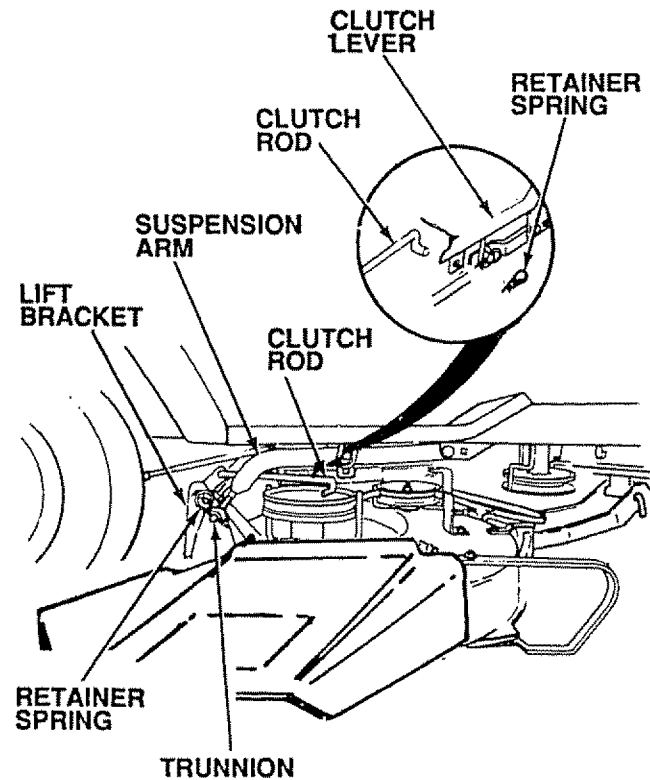


FIGURE 34

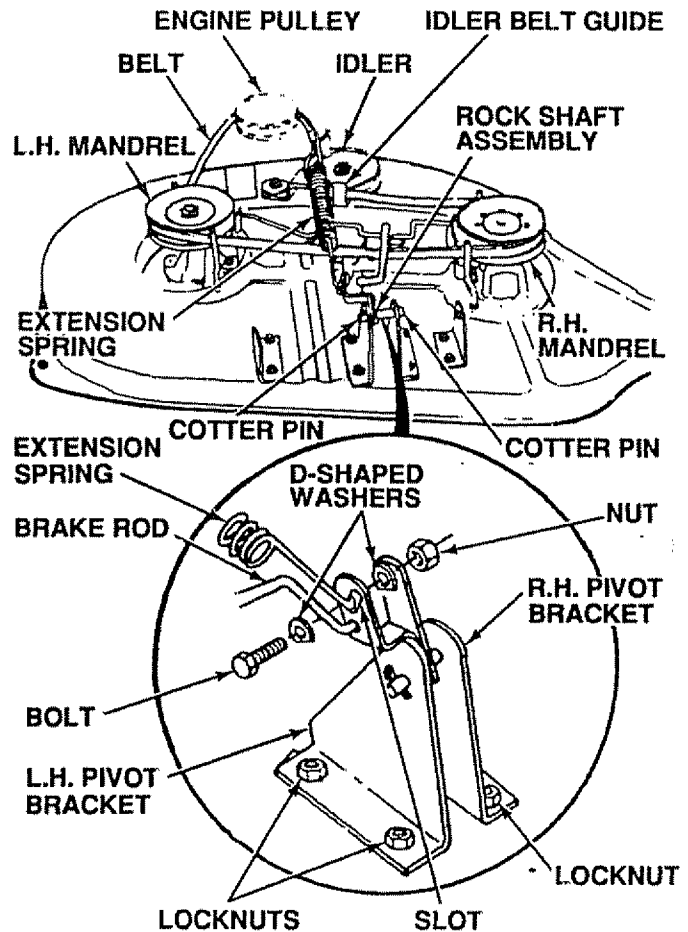


FIGURE 36

# REPAIR & ADJUSTMENT

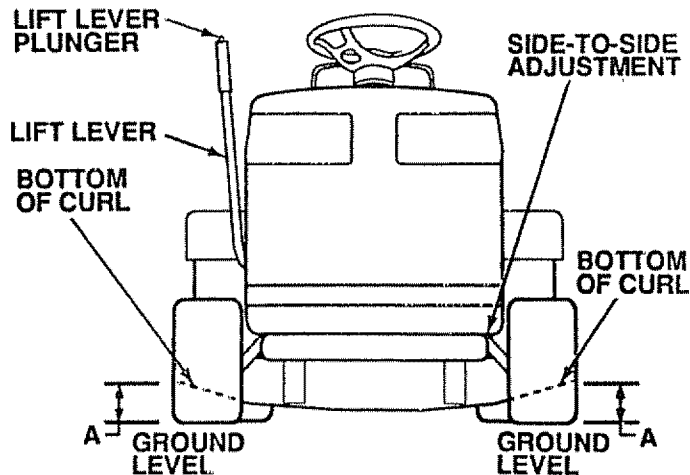


FIGURE 37

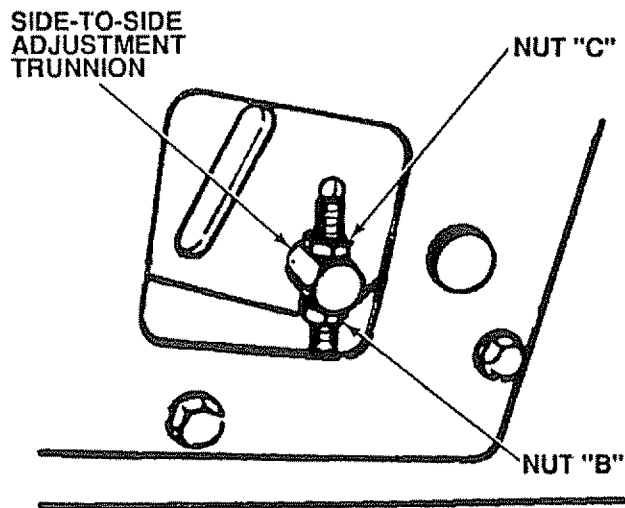


FIGURE 38

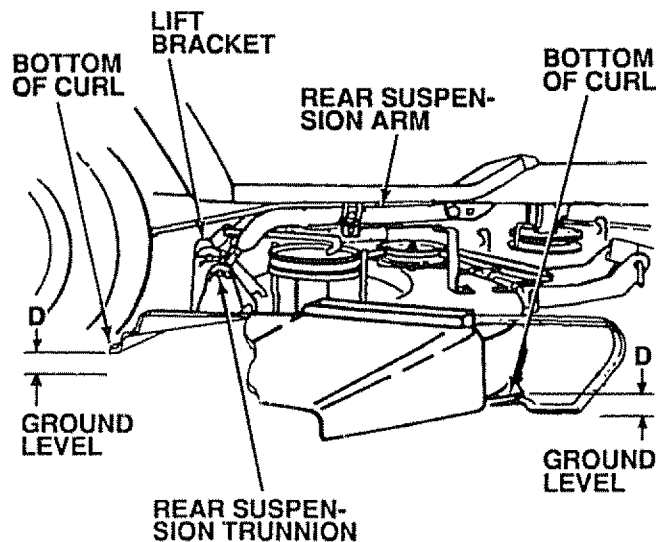


FIGURE 39

## 26. Level Mower Housing

Adjust the mower while tractor is parked on level ground or driveway. Make sure tire pressure is correct. If tires are over or under inflated, you will not properly adjust your mower.

### SIDE-TO-SIDE MOWER ADJUSTMENT

- Depress lift lever plunger and use lift lever to raise mower to maximum cutting height (Fig. 33).
- Measure height from bottom of curl to ground line at front of mower. Distance "A" should be the same on both sides (Fig. 37).
- If distance "A" needs to be changed, snap out access hole cover on L.H. side above footrest. Use 11/16" wrench on nuts "B" and "C" at side-to-side adjustment trunnion (Fig. 38).
- 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".

NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" (4.75 mm) HEIGHT CHANGE.

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

### FRONT-TO-REAR MOWER ADJUSTMENT

- To obtain the best cutting results, your mower housing should be adjusted so the front and rear flange distance "D" (Fig. 39) is 1/2" (12.7 mm) lower in front when the mower is 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.

- To raise rear of mower, loosen nut "E" on both rear suspension arms. Screw both nuts "F" up EQUAL NUMBER OF TURNS (Fig. 40).
- When distance "D" is 1/2" (12.7 mm) lower at front than rear tighten nuts "E".
- To lower rear of mower, loosen nut "F" on both rear suspension arms an EQUAL NUMBER OF TURNS (Fig. 40).
- When distance "D" is 1/2" (12.7 mm) lower at front than rear, retighten nuts "E".

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

### HEIGHT ADJUSTMENT

See page 10, "ATTACHMENT HEIGHT ADJUSTMENT KNOB."

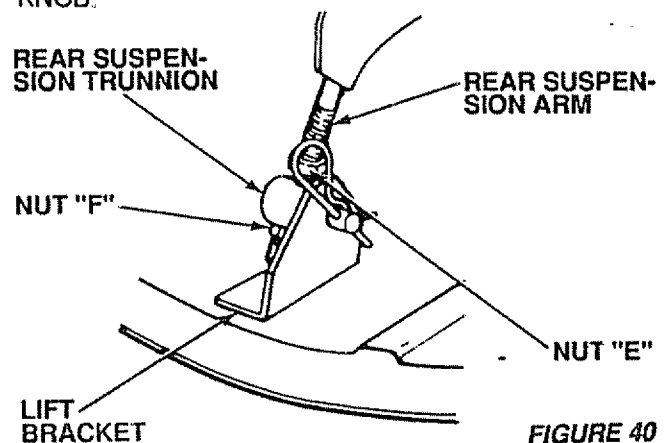


FIGURE 40



# REPAIR & ADJUSTMENT

## 27. 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.

### B. Engine Oil

Drain (with engine warm) and replace with clean engine oil, (See chart page 17).

### C. Cylinder

1. Remove spark plug.
2. Pour one ounce (29.5 ml) of oil through spark plug hole in to cylinder
3. Turn ignition key to "START" position for a few seconds to distribute oil.
4. Replace with new spark plug.

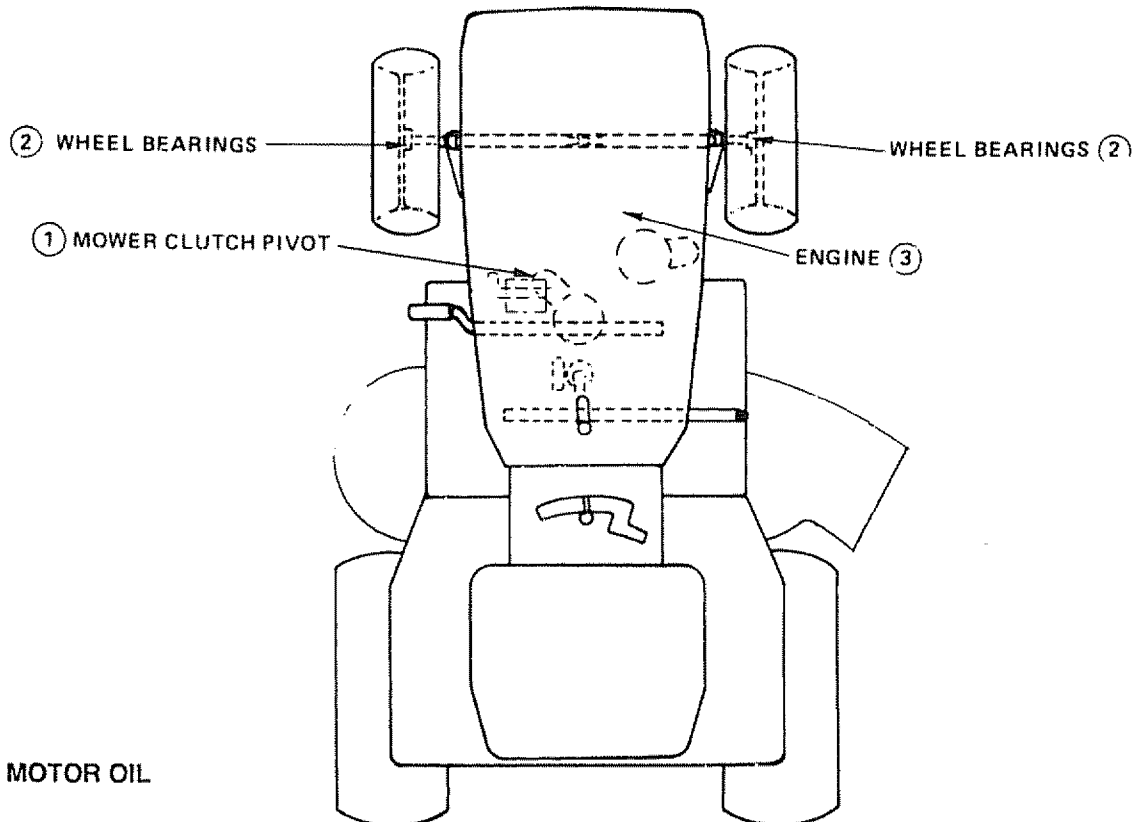
### D. Battery

1. Prior to storage, clean terminals and top of battery.
2. Disconnect cable from positive side of battery.

### E. General Cleaning

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

## LUBRICATION CHART



① SAE 30 MOTOR OIL

② GENERAL PURPOSE GREASE

③ REFER TO PAGE 17 FOR ENGINE OIL SPECIFICATIONS.

# TROUBLE SHOOTING

## PROBLEM ➤ Cause/Remedy

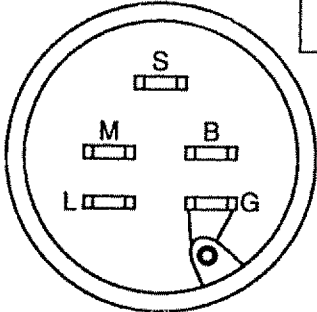
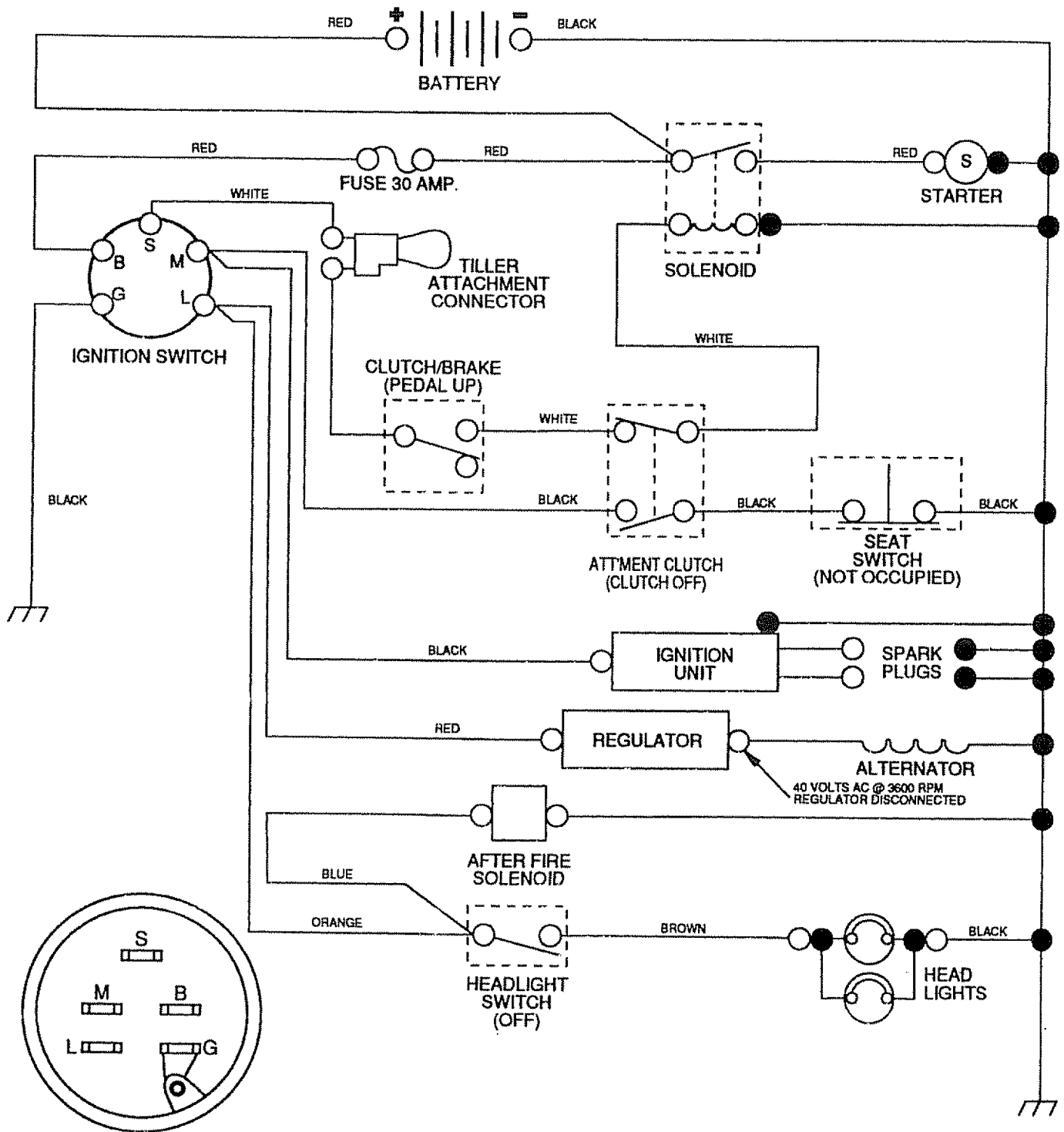
<b>WILL NOT START</b>	<ul style="list-style-type: none"> <li>☛ Push Clutch/Brake Pedal into Brake position</li> <li>☛ Move Attachment Clutch Lever to "Disengaged" position</li> <li>☛ Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary). Replace Fuel Filter. Use Fresh Fuel</li> <li>☛ Check Fuse for fault and replace</li> <li>☛ Recharge or replace Battery</li> <li>☛ Check Wiring</li> <li>☛ Replace Spark Plug(s) and adjust gap</li> </ul>
<b>WILL NOT TURN OVER</b>	<ul style="list-style-type: none"> <li>☛ Push Clutch/Brake Pedal into brake position</li> <li>☛ Charge or replace Battery</li> <li>☛ Recharge or replace Battery</li> <li>☛ Move Mower Clutch Lever to "DISENGAGED" position</li> <li>☛ Replace Ignition Switch</li> <li>☛ Replace Interlock Switch(es)</li> <li>☛ Replace Solenoid or Starter</li> <li>☛ Check for fault and replace Fuse</li> <li>☛ Check all Wire Connections and "Ground" Points</li> </ul>
<b>ENGINE CLICKS BUT WON'T START</b>	<ul style="list-style-type: none"> <li>☛ Clean Battery Terminals</li> <li>☛ Replace Starter or Solenoid</li> <li>☛ Charge or Replace Battery</li> <li>☛ Check Wire Connections and "Ground" Points</li> </ul>
<b>HARD TO START</b>	<ul style="list-style-type: none"> <li>☛ Place Throttle Control in "FAST" position and run starter several times to clear out gas</li> <li>☛ Remove Air Filter and clean</li> <li>☛ Replace Spark Plug(s) and adjust gap</li> <li>☛ Recharge or replace Battery</li> <li>☛ Check the Wiring</li> <li>☛ Drain Fuel Tank and Carburetor. Use Fresh Fuel Replace Fuel Filter</li> <li>☛ Make necessary adjustments to Carburetor</li> <li>☛ Major Engine Overhaul</li> </ul>
<b>ENGINE MISSES OR LACKS POWER</b>	<ul style="list-style-type: none"> <li>☛ Shift to a lower gear or reduce load</li> <li>☛ Drain Gas Tank and Carburetor. Use Fresh Fuel</li> <li>☛ Remove and clean Air Cleaner</li> <li>☛ Make necessary Carburetor adjustments</li> <li>☛ Clean Air Screen</li> <li>☛ Add or change oil</li> <li>☛ Replace Spark Plug(s) and adjust gap</li> <li>☛ Check for loose wires</li> <li>☛ Replace Fuel Filter</li> <li>☛ Major Engine Overhaul</li> </ul>
<b>ENGINE OVERHEATS</b>	<ul style="list-style-type: none"> <li>☛ Shift to lower gear or reduce load</li> <li>☛ Clean Air Screen</li> <li>☛ Add or change oil</li> <li>☛ Clean Engine Cooling Fins</li> <li>☛ Remove and clean Muffler or replace</li> <li>☛ Remove and clean Air Filter</li> <li>☛ Use fresh fuel and adjust Carburetor</li> <li>☛ Drain and replace oil for proper temperature</li> </ul>

# TROUBLE SHOOTING

- |   |   |
|---|---|
| <b>NO LIGHTS</b>  | ☛ Check Fuse, Switch and Wire Connections. Replace Headlight Bulbs  |
|   | ☛ Replace Switch  |
| <b>WON'T CHARGE</b>   | ☛ Check Fuse for fault and replace  |
|   | ☛ Replace Battery   |
|   | ☛ Replace Regulator   |
|   | ☛ Replace Alternator  |
| <b>ENGINE WILL NOT SHUT DOWN<br/>WHEN OPERATOR LEAVES SEAT<br/>WITH ATTACHMENT CLUTCH ENGAGED</b> | ☛ 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. |
|   | ☛ Check all Wire connections  |
|   | ☛ Check Seat Switch   |
|   | ☛ Check Operator Presence Relay   |
| <b>UNSATISFACTORY MOWER PERFORMANCE<br/>UNEVEN DISTRIBUTION OF CLIPPINGS</b>                      |   |
|   | ☛ Place Throttle Control in "FAST" position   |
|   | ☛ Check air pressure in Tires   |
|   | ☛ Check front-to-rear and side-to-side Mower adjustment   |
|   | ☛ Use a slower ground speed   |
|   | ☛ Replace Mower Blades  |
|   | ☛ Reinstall Mower Blades with Sharp Edge down   |
|   | ☛ Replace with proper Mower Blades  |
|   | ☛ Readjust Mower Drive Belt   |
|   | ☛ Clean underside of Mower Deck   |
| <b>MOWER BLADES WILL NOT ROTATE</b>   | ☛ Correct Clutch mechanism interference   |
|   | ☛ Install new Mower Drive Belt  |
|   | ☛ Adjust Mower Drive Belt   |
|   | ☛ Replace frozen Mandrel  |
|   | ☛ Replace frozen Idler Pulley   |
| <b>EXCESSIVE MOWER VIBRATION</b>  | ☛ Replace bent or unbalanced Blades   |
|   | ☛ Replace Mandrel. Replace Deck   |
| <b>WINDROWING STRIPPING OR<br/>DROPPING OF GRASS CLIPPINGS</b>                                    |   |
|   | ☛ Set Throttle for maximum engine speed   |
|   | ☛ Let grass dry out   |
|   | ☛ Clean underside of Mower Deck   |
|   | ☛ Readjust Mower front-to-rear and side-to-side   |
|   | ☛ Replace Blades  |
| <b>UNEVEN CUT OR SCALPING</b>   | ☛ Readjust Mower front-to-rear and side-to-side   |
|   | ☛ Replace Blades  |
|   | ☛ Replace bent Mandrel(s)   |

# SERVICE NOTES

# 14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940 SCHEMATIC



IGNITION SWITCH

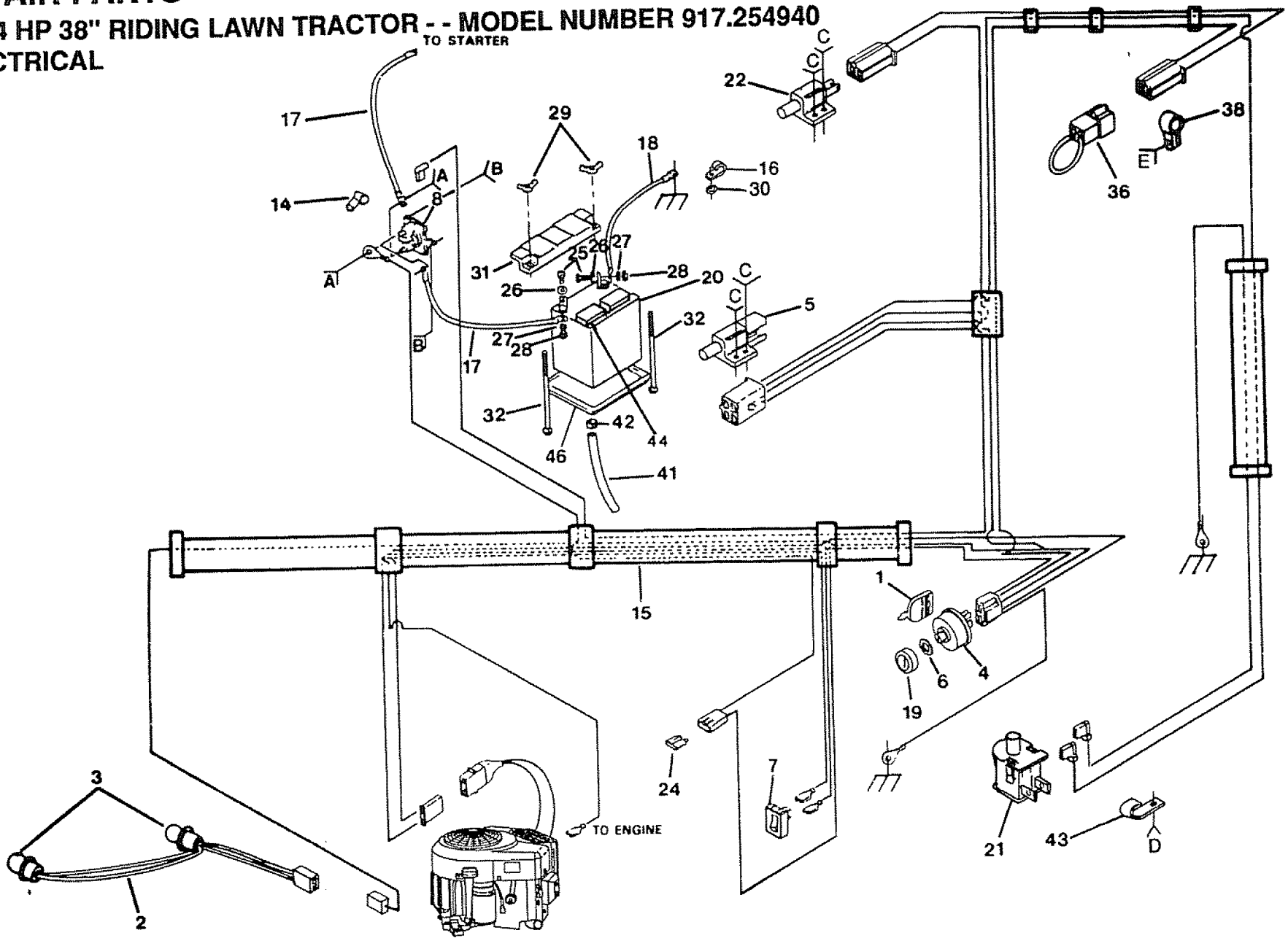
POSITION	CIRCUIT
OFF	M + G
ON	B + L
START	B + S + L

- NON-REMOVABLE CONNECTIONS
- REMOVABLE CONNECTIONS

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

# REPAIR PARTS

## 14 HP 38" RIDING LAWN TRACTOR -- MODEL NUMBER 917.254940 ELECTRICAL



# REPAIR PARTS

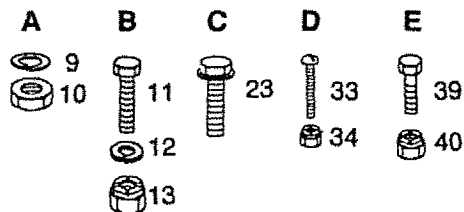
14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940

## ELECTRICAL

KEY PART NO.	KEY PART NO.	DESCRIPTION	KEY PART NO.	KEY PART NO.	DESCRIPTION
1	109310X	Molded Key	24	108824X	Fuse - 30 Amp
2	110859X	Harness, Light Socket	25	74760412	Bolt - Hex 1/4 - 20 x 3/4
3	4152J	Bulb - Light	26	STD551025	* Washer 9/32 x 5/8 x 16 Ga.
4	102972X	Switch - Ignition	27	STD551125	* Washer - Lock 1/4
5	109553X	Switch, Interlock - Attachment Clutch	28	STD541025	* Nut - Hex 1/4 - 20
6	109788X	Ignition, Nut	29	123198X	Nut - Wing 1/4 - 20
7	110712X	Switch - Light	30	STD551237	* Washer - Lock, Ext. Tooth 3/4
8	109081X	Solenoid	31	102476X	Guard - Terminal
9	10090400	Washer - Lock 1/4	32	72240460	Bolt - Carriage 1/4 - 20 x 7-1/2
10	STD541225	* Nut - Jam 1/4 - 20	33	STD511008	* Screw, Slotted Pan Head #10 - 32 x 1/2
11	74780408	Bolt, Fin Hex 1/4 - 20 x 1/2	34	73951000	Nut, Keps #10 - 32 x 1/2
12	11050400	Washer - Lock - Ext. Tooth 1/4	36	102501X	Wire Loop
13	73510400	Nut, Keps 1/4 - 20	38	235R	Clip - Insulation
14	719J	Cover - Terminal	39	74780408	Bolt - Hex 1/4 - 20 x 1/2
15	126052X	Harness - Ignition	40	73680400	Nut - Crownlock 1/4 - 20
16	2751R	Clip, Fuel Line	41	100541K	Tube
17	4206J	Cable - Battery	42	109596X	Clamp - Hose
18	4207J	Cable - Ground	43	4171R	Clip - Insulated
19	109787X	Bezel - Ignition	44	121264X	Caps, Battery
20	121537X	Battery (Includes battery acid)	46	7603J	Tray, Battery
21	121305X	Switch - Seat	---	101539X	Sheet - Instruction, Tractor 15° Slope
22	104445X	Switch - Interlock - Clutch	---	125590X	Owner's Manual
23	17021008	Screw - Hex Tap. 10 - 24 x 1/2			

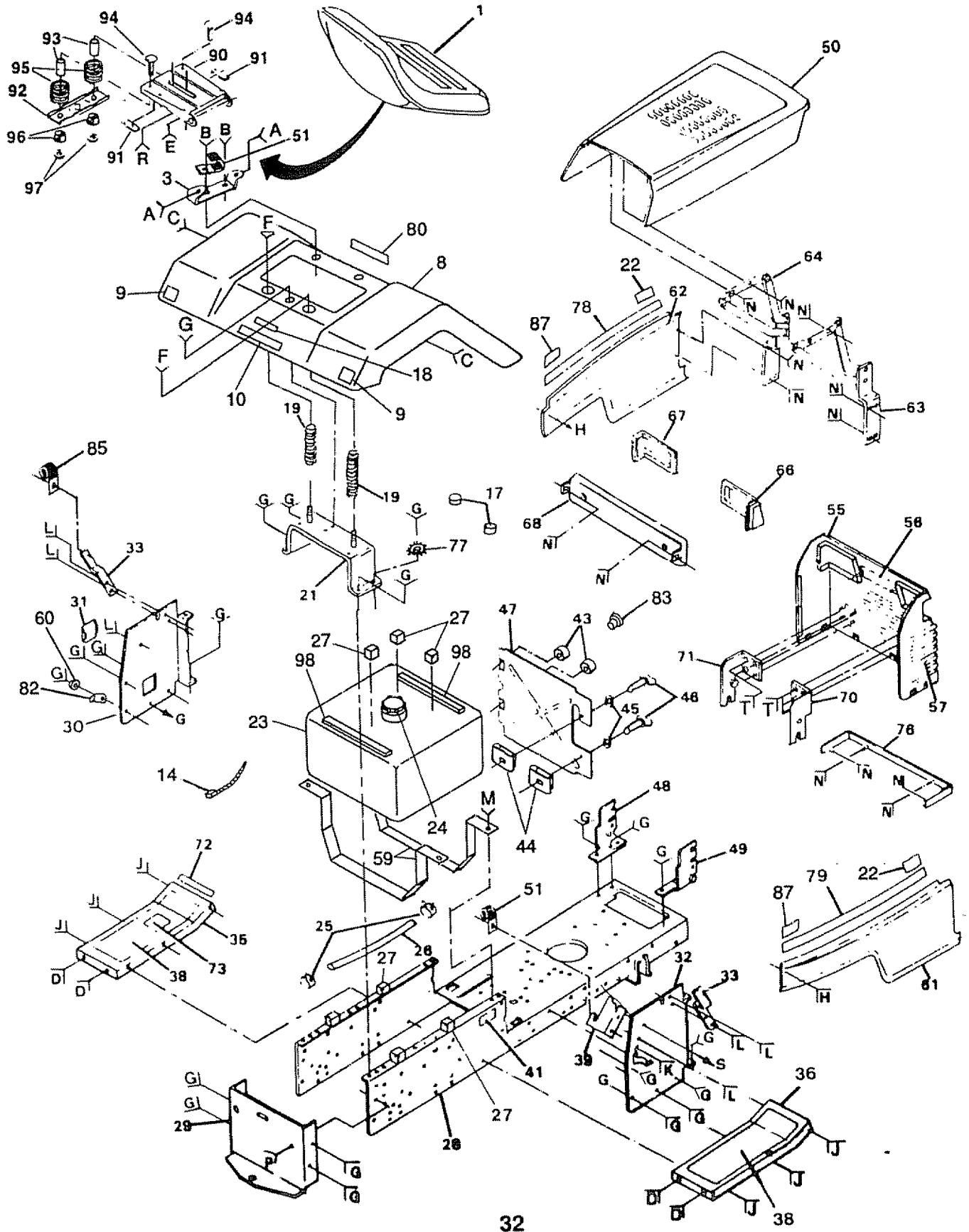
31

\*STANDARD HARDWARE - PURCHASE LOCALLY  
NOTE: All component dimensions given in U.S. inches.  
1 inch = 25.4 mm



# REPAIR PARTS

## 14 HP 38" RIDING LAWN TRACTOR -- MODEL NUMBER 917.254940 CHASSIS



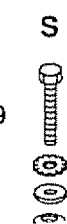
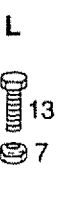
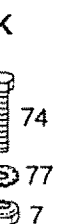
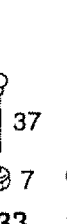
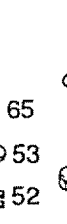
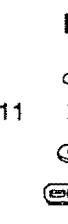
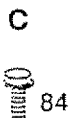
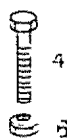


# REPAIR PARTS

## 14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940 CHASSIS

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120039X	Seat	52	108402X	U-Clip
3	105513X	Bracket-Pivot-Seat	53	106910X	Washer
4	105529X	Bolt-Shoulder 5/16-18	54	108067X	Pal-Nut
5	120068X	Knob, Adjustment	55	105528X	Grill
6	73680500	Nut-Lock 5/16-18	56	105806X	Decal
7	73680600	Nut-Lock 3/8-16	57	105568X	Decal-Stripe
8	109872X	Fender	58	17490608	Screw, Hex Wsh Thd. Roll 3/8 - 16 x 1/2
9	106202X	Reflector-Rear	59	123803X	Strap, Tank
10	105801X	Decal	60	120529X	Washer, Nylon .44 x .75 x .032
11	17490612	Screw-Hex Washer Thd. Roll 3/8 - 16 x 3/4	61	108403X	Panel-Side-R.H.
12	19131312	Washer 13/32 x 13/16 x 12Ga.	62	108410X	Panel-Side-L.H.
13	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	63	106091X	Hinge-R.H.
14	7192J	Tie.Cable	64	106090X	Hinge-L.H.
16	120579X	Pal Nut	65	106909X	Screw-Special
17	124238X	Cap-Spring	66	106003X	Lens-R.H.
18	750211	Decal, USA	67	106004X	Lens-L.H.
19	124181X	Compression Spring	68	110897X	Bezel-Headlight
20	19131614	Washer 13/32 x 1 x 14 Ga	69	121144X	Bolt-Shoulder
21	109873X	Bracket, Fender	70	108512X	Bracket-Pivot-R.H.
22	125961X	Decal, Vanguard	71	108513X	Bracket-Pivot-L.H.
23	124067X	Tank, Fuel	72	4900J	Decal-Clutch-Brake
24	123549X	Cap-Fuel	73	109199X	Decal-Drive Belt
25	123487X	Clamp-Hose	74	STD523710	*Bolt-Hex 3/8-16 x 1
26	5277J	Line-Fuel	75	STD551037	*Washer 13/32 x 13/16 x 16 Ga
27	106082X	Pad-Spacer	76	110350X	Strap Assembly-Grill
28	121277X	Assembly-Chassis	77	11050600	Washer-Lock-Ext. Tooth 3/8
29	121306X	Drawbar	78	106813X	Decal-Stripe-Side Panel-L.H.
30	124118X	Panel-Dash-L.H.	79	106814X	Decal-Stripe-Side Panel-R.H.
31	121794X	Cover-Access	80	106974X	Decal-Caution
32	110828X	Panel-Dash-R.H.	81	17490616	Bolt-Hex Washer Thd. Roll 3/8 - 16 x 1
33	105525X	Bracket-Support-Dash	82	123933X394	Pointer, Height Indicator
35	105465X	Footrest-L.H.	83	9151R	Grommet
36	105464X	Footrest-R.H.	84	17490608	Screw-Hex Washer Thd. Roll 3/8 x 16 x 1/2
37	STD533707	*Bolt-Carr. 3/8-16 x 3/4	85	5320R	Clip, Insulated
38	105466X	Pad-Footrest	87	125962X	Decal, Side Panel 14 HP
39	110923X	Bracket-Clutch-Mower	89	19171912	Washer 17/32 x 1 3/16 x 12 Ga.
41	108428X	Decal-6 Speed-38"	90	124294X	Pan Seat
43	110436X	Grommet-Split	91	121251X	Strip-Foam
44	105839X	Receptacle	92	121246X	Bracket-Switch Mount
45	105838X	Retainer	93	121249X	Spacer Split
46	123650X	Stud-1/4 Turn	94	72170410	Bolt-Carriage 1/4-20 x 1 1/4
47	105867X	Shield-Heat	95	121250X	Spring-Compression
48	109015X	Bracket-Pivot-L.H.	96	121248X	Bushing, Snap
49	109016X	Bracket-Pivot-R.H.	97	123976X	Nut, Hex, Flange, Large
50	106013X017	Hood	98	126564X	Strip, Foam
51	2751R	Clip			

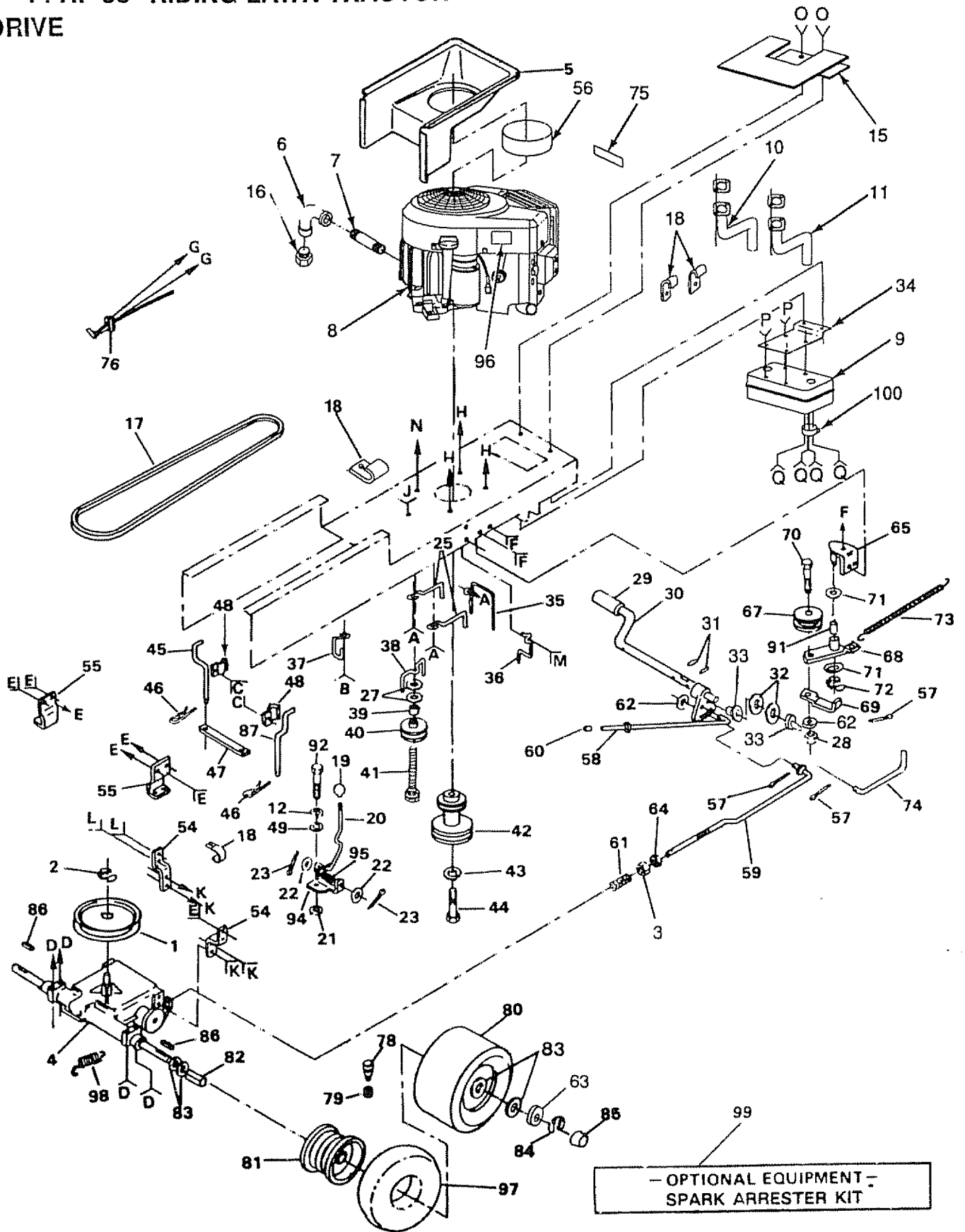
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\* STANDARD HARDWARE - PURCHASE LOCALLY  
NOTE: All component dimensions given in U.S. inches  
1 inch = 25.4 mm

# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR -- MODEL NUMBER 917.254940  
DRIVE



- OPTIONAL EQUIPMENT -  
SPARK ARRESTER KIT

# REPAIR PARTS

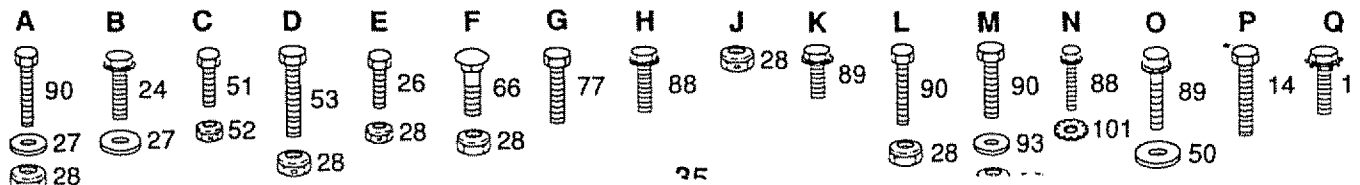
## 14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940

### DRIVE

KEY PART NO.	NO.	DESCRIPTION	KEY PART NO.	NO.	DESCRIPTION
1	123666X	Pulley, Transaxle (Driven)	52	73680500	Nut, Lock 5/16 - 18
2	12000028	Ring, Retainer	53	STD523727	* Bolt, Hex 3/8 - 16 x 2-3/4
3	STD541437	* Nut, Lock Hex w/wsh. insert 3/8 - 16	54	121520X	Strap, Torque
4	120898X	Transaxle, 6 Speed, Dana Model No. 4360-7 (see pages 42 and 43 for parts breakdown)	55	109167X	Bracket, Transaxle 56 123223X Duct, Extensio
5	105953X	Duct, Air Intake	57	76020412	Pin, Cotter 1/8 x 3/4
6	13200300	Elbow, STD. 90 3/8 - 18	58	125637X	Rod, Brake, Park
7	13280336	Nipple, Pipe	59	110437X	Rod, Brake
8	122436X	Engine, 14 HP Vanguard Briggs and Stratton Model No. 303777, Type No. 0015-02	60	124236X	Cap
9	122440X	Muffler	61	106888X	Spring, Rod, Brake
10	122434X	Tube, Manifold L.H.	62	STD551037	* Washer 13/32 x 13/16 x 16 Ga.
11	122435X	Tube, Manifold R.H.	63	121748X	Washer 25/32 x 1-5/8 x 16 Ga.
12	STD551125	* Washer, Lock 1/4	64	STD541237	* Nut, Hex, Jam 3/8 - 16
14	17190408	Screw, Hex Wsh. Thd. Cut. 1/4 - 20	65	123102X	Bracket, Clutch
15	122981X	Shield, Heat	66	STD533707	* Bolt, Carr. 3/8 - 16 x 3/4
16	110902X	Valve, Drain, Oil	67	123766X	Pulley, Idler
17	125907X	V-Belt, Drive	68	123789X	Arm, Idler
18	2751R	Clip	69	123205X	Retainer, Belt
19	106933X	Knob	70	STD523715	* Bolt, Hex 3/8 - 16 x 1-1/2
20	124461X	Rod, Shifter	71	110812X	Washer, Hardened
21	105701X	Washer - Shaft Plate	72	12000039	Klip Ring
22	19151216	Washer 15/32 x 3/4 x 16 Ga.	73	105709X	Spring, Return, Clutch
23	STD561210	* Pin, Cotter 1/8 x 1	74	105710X	Link, Clutch
24	17490612	Screw, Hex Washer Hd Thd. Roll. 3/8 - 16 x 3/4	75	125917X	Decal, Engine, Vanguard 14 HP
25	105730X	Keeper, Belt, Engine	76	124559X	Control, Throttle
26	STD523707	* Bolt, Hex 3/8 - 16 x 3/4	77	17720410	Screw, Hex Thd. Cut. 1/4 - 20 x 5.
27	19131312	Washer 13/32 x 13/16 x 12 Ga.	78	59192	Cap, Valve
28	73680600	Nut, Lock 3/8 - 16	79	65139	Stem, Valve <i>8.50</i>
29	8883R	Cover, Pedal	80	8588R	Tire, Rear 18 x <i>9.50</i> x 8
30	122424X	Shaft, Foot Pedal	81	106108X	Rim, 8"
31	STD571810	* Pin, Roll 3/16 x 1	82	109502X	Spacer, Split
32	STD551062	* Washer 21/32 x 1 x 16 Ga.	83	121749X	Washer 25/32 x 1-1/4 x 16 Ga
33	120183X	Bearing, Nylon	84	12000001	E-Ring
34	122439X	Bracket, Muffler Mounting	85	104757X	Cap, Hub, Rear
35	121440X	Guide, Belt, Lower, Eng. Pulley L. H.	86	123583X	* Key, Square 2.5 x .1845 - .1865
36	121441X	Guide, Belt, Lower, Eng. Pulley R. H.	87	123663X	Keeper, Belt, R. H.
37	104777X	Guide, Belt Retainer, Chassis	88	17490624	Bolt, Hex Washer Thd. Roll. 3/8 - 16 x 1-1/2
38	109070X	Keeper, Belt	89	17490512	Screw, Hex Washer Thd. Roll. 5/16 - 18 x 3/4
39	4470J	Spacer	90	STD523710	* Bolt, Hex 3/8 - 16 x 1
40	123674X	Idler, Flat	91	105706X	Bearing
41	STD523727	* Bolt, Hex 3/8 - 16 x 2-3/4	92	71040412	Bolt, Hex 1/4 - 28 x 3/4
42	105731X	Pulley, Engine	93	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
43	10040700	Washer, Lock 7/16	94	106919X	Plate, Rod, Shift
44	71130720	* Bolt, Hex 7/16 - 20 x 1-1/4	95	105700X	Spring, Torsion
45	123662X	Keeper, Belt L. H.	96	125918X	Decal, Engine, 14 HP B & S
46	4921H	Retainer, Spring	97	7152J	Tube (Not furnished with tractor)
47	123770X	Strap, Locator	98	110422X	Spring, Brake Return
48	106190X	Clamp	99	<del>674A380</del>	Spark Arrester Kit <i>121851X</i>
49	19091210	Washer 9/32 x 3/4 x 10 Ga.	100	101326L	Deflector, Muffler
50	19131614	Washer 13/32 x 1 x 14 Ga.	101	STD551237	* Washer Lock Tooth 3/8
51	STD523107	* Bolt, Hex 5/16 - 18 x 3/4	102	17030808	Screw, Spiderlock Hex #8 x 1/2

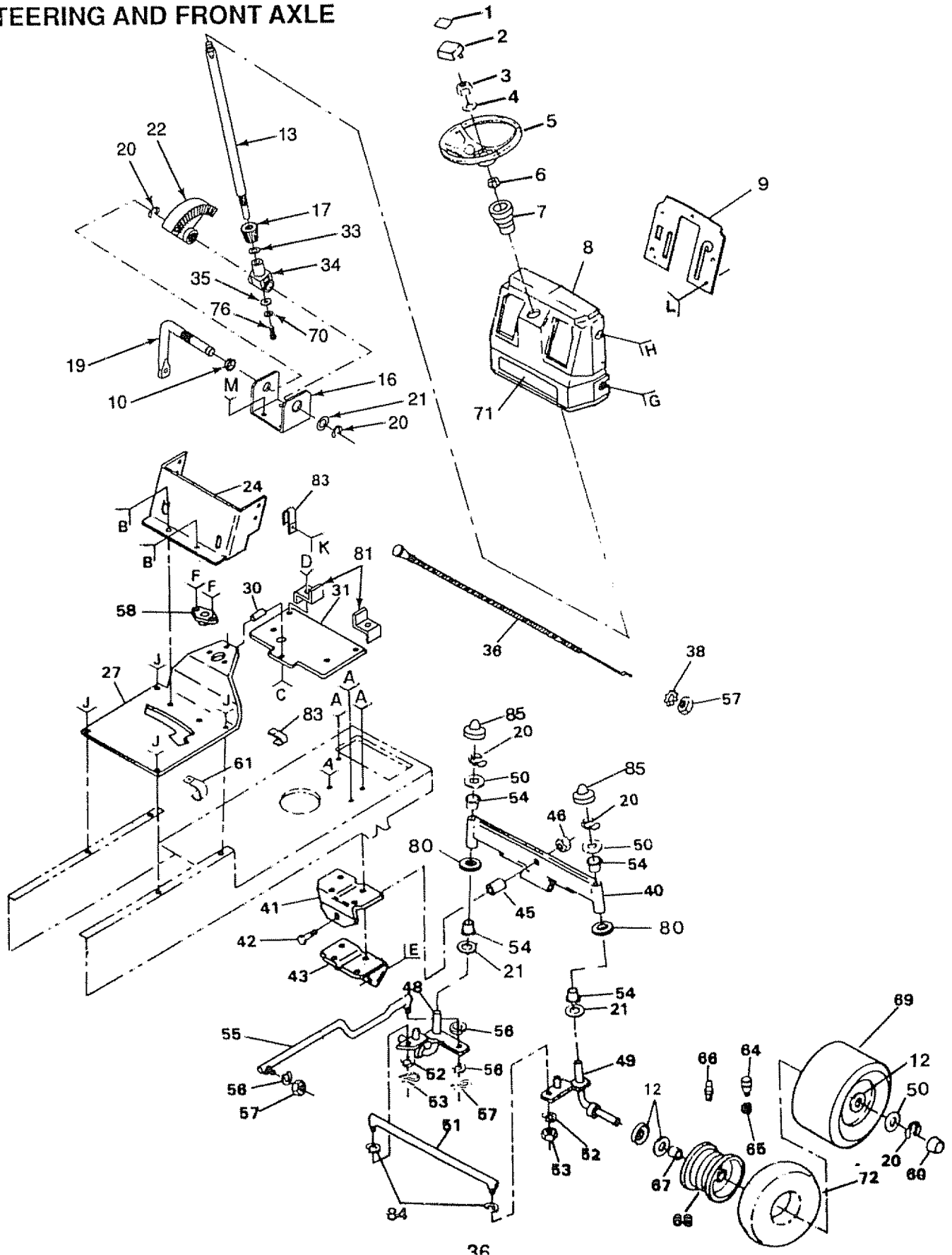
\*STANDARD HARDWARE - PURCHASE LOCALLY  
NOTE: All dimensions given in U.S. inches.

1 inch = 25.4 mm



# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
STEERING AND FRONT AXLE



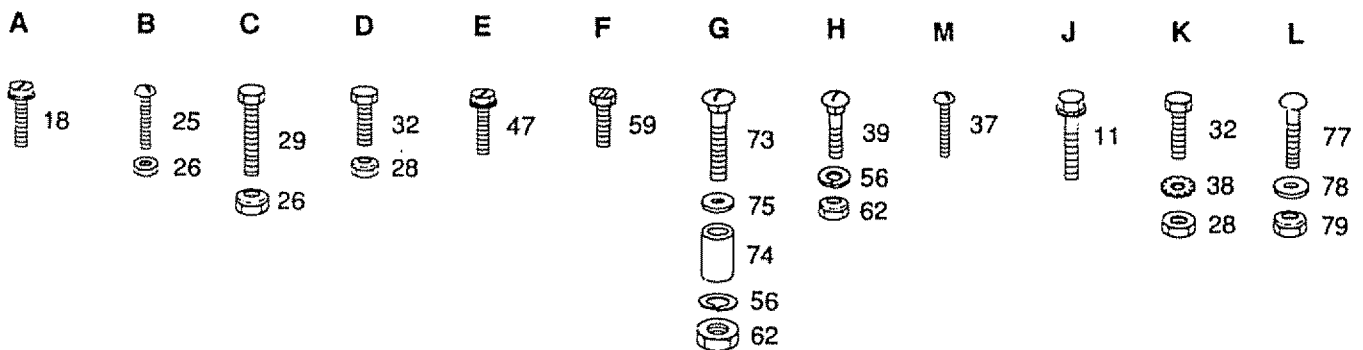
# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940

## STEERING AND FRONT AXLE

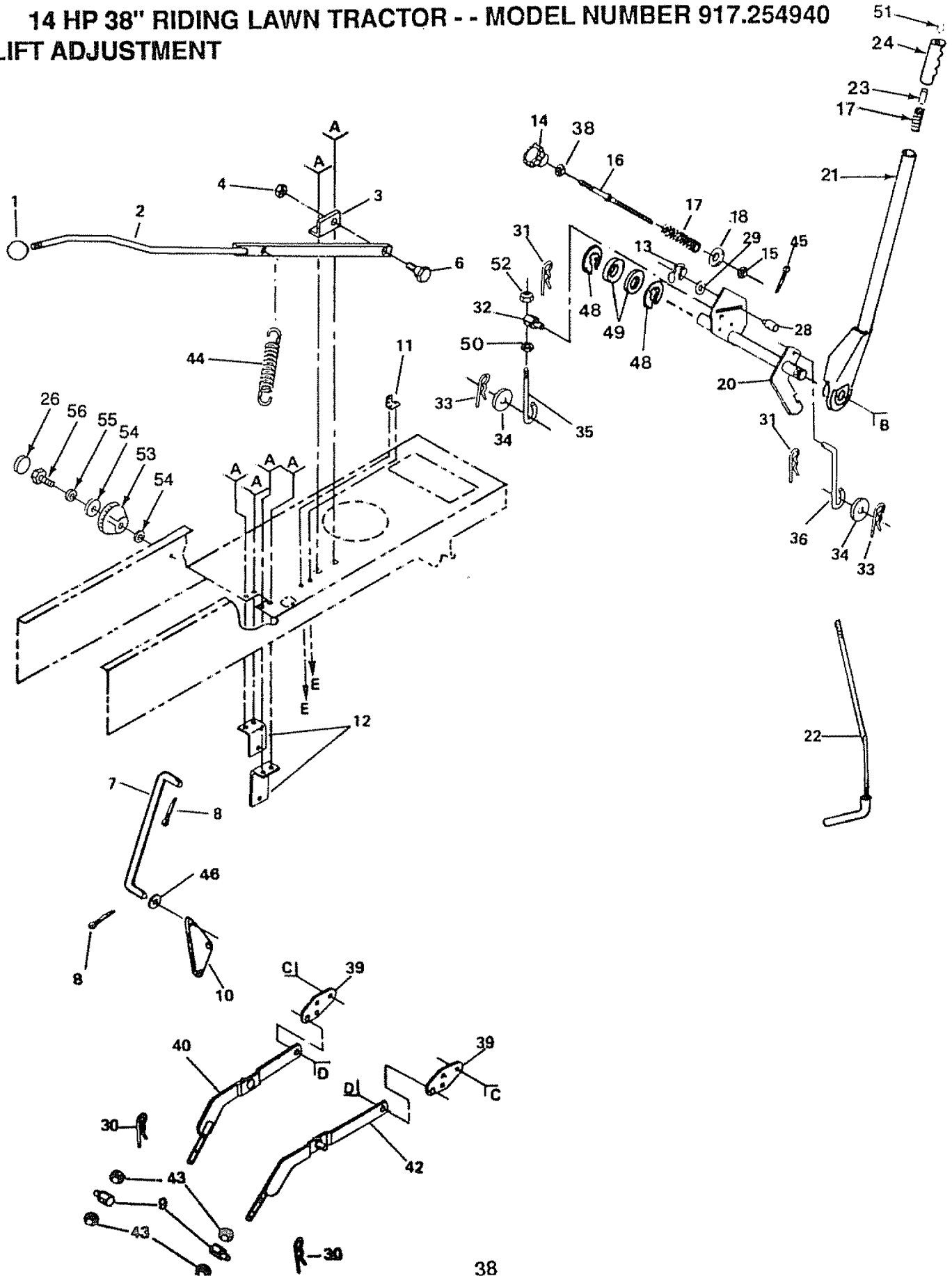
KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1	105810X Decal, Cap Steering Wheel	42	74761060 Bolt, Hex 5/8 - 11 x 3-3/4
2	100710L Insert, Steering Wheel	43	105664X Support, Saddle, Front
3	73940800 * Nut, Top Lock 1/2 -20 UNF	45	110438X Spacer Bearing, Front Axle
4	100712K Washer	46	73901000 Nut, Lock, Flange 5/8 - 11
5	100713N Wheel, Steering	47	17490508 Screw, Hex Washer Thd. Roll. 5/16 - 18 x 1/2
6	100711L * Adapter, Steering Wheel	48	105656X Spindle, L. H.
7	106015X Sleeve, Steering	49	105654X Spindle, R. H.
8	120028X Dash	50	121748X Washer 25/32 x 1-5/8 x 16 Ga.
9	120003X014 Dash Plate	51	105715X Rod, Tie
10	109816X Nyliner, Snap-In	52	19131416 Washer 13/32 x 7/8 x 16 Ga.
11	17490608 Screw, Hex Washer Thd. Roll. 3/8 - 16 x 1/2	53	STD561210 * Pin, Cotter 1/8 x 3/4
12	121749X Washer 25/32 x1-1/4 x 16 Ga.	54	3366R Bearing
13	124041X Shaft, Steering	55	124032X Link, Bearing
16	124036X Bracket, Steering	56	STD551137 * Washer, Lock 3/8
17	124037X Gear, Pinion	57	STD541137 * Nut, Hex 3/8 - 24
18	122819X Screw, Special	58	1554J Bushing, Steering
19	124033X Shaft, Pittman	59	17431008 Screw, Hex #10 - 16 x 1/2
20	12000029 Klip Ring	60	104757X Cap, Hub, Front
21	6266H Bearing, Thrust	61	2751R Clip, Fuel Line
22	124034X Gear, Sector	62	STD541037 * Nut, Hex 3/8 - 16
24	105518X Dash, Lower	64	59192 Cap, Valve
25	74180512 Screw, Crown Truss Hd. 5/16 - 18 x 3/4	65	65139 Stem, Valve
26	73680500 Nut, Lock 5/16 - 18	66	278H Fitting, Grease
27	124649X011 Saddle	67	9040H Bearing
28	73680600 Nut, Lock 3/8 - 16	68	106732X Rim, 6" Front
29	STD523120 * Bolt, Hex 5/16 - 18 x 2	69	106222X Tire, Front
30	121236X Spacer	70	STD551125 * Washer, Lock 1/4
31	106001X Support Plate, Battery	71	108456X Decal, Instructions, Operating
32	STD523707 * Bolt, Hex 3/8 - 16 x 3/4	72	59904 Tube, Tire, Front
33	57079 Washer	73	72110622 Bolt, Carriage Hex 3/8 -16 x 2-3/4
34	124035X Support, Shaft	74	121235X Spacer
35	126684X Washer 5/8 x 1/4 x 16 Ga.	75	19131416 Washer 13/32 x 7/8 x 16 Ga.
36	126540X Control, Choke	76	71070410 Screw, Socket Hex 1/4 x 20 x 5/8
37	17490612 Screw, Hex Wsh. Thd. Roll. 3/8 - 16 x 3/4	77	STD512507 * Screw, Pan Head 1/4 - 20 x 3/4
38	11050600 Washer, Lock, Int./Ext. Tooth 3/8	78	19091216 Washer 13/32 x 3/4 x 16 Ga.
39	72110608 Bolt, Carriage	79	73510400 Nut, Keps 1/4 NC
40	105669X Axle, Front	80	19272016 Washer 27/32 x 1 1/4 x 16 Ga.
41	105663X Support, Saddle, Rear	81	124460X Bracket, Air Duct Locator
		83	5320R Clip, Insulated
		84	120754X Bushing
		85	121232X Cap Spindle

\*STANDARD HARDWARE - PURCHASE LOCALLY  
 NOTE: All component dimensions given in U.S. inches  
 1 inch = 25.4 mm



# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
LIFT ADJUSTMENT



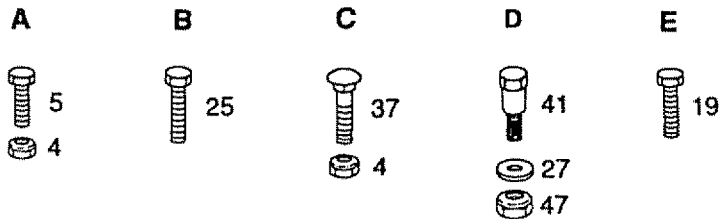
# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940

## LIFT ADJUSTMENT

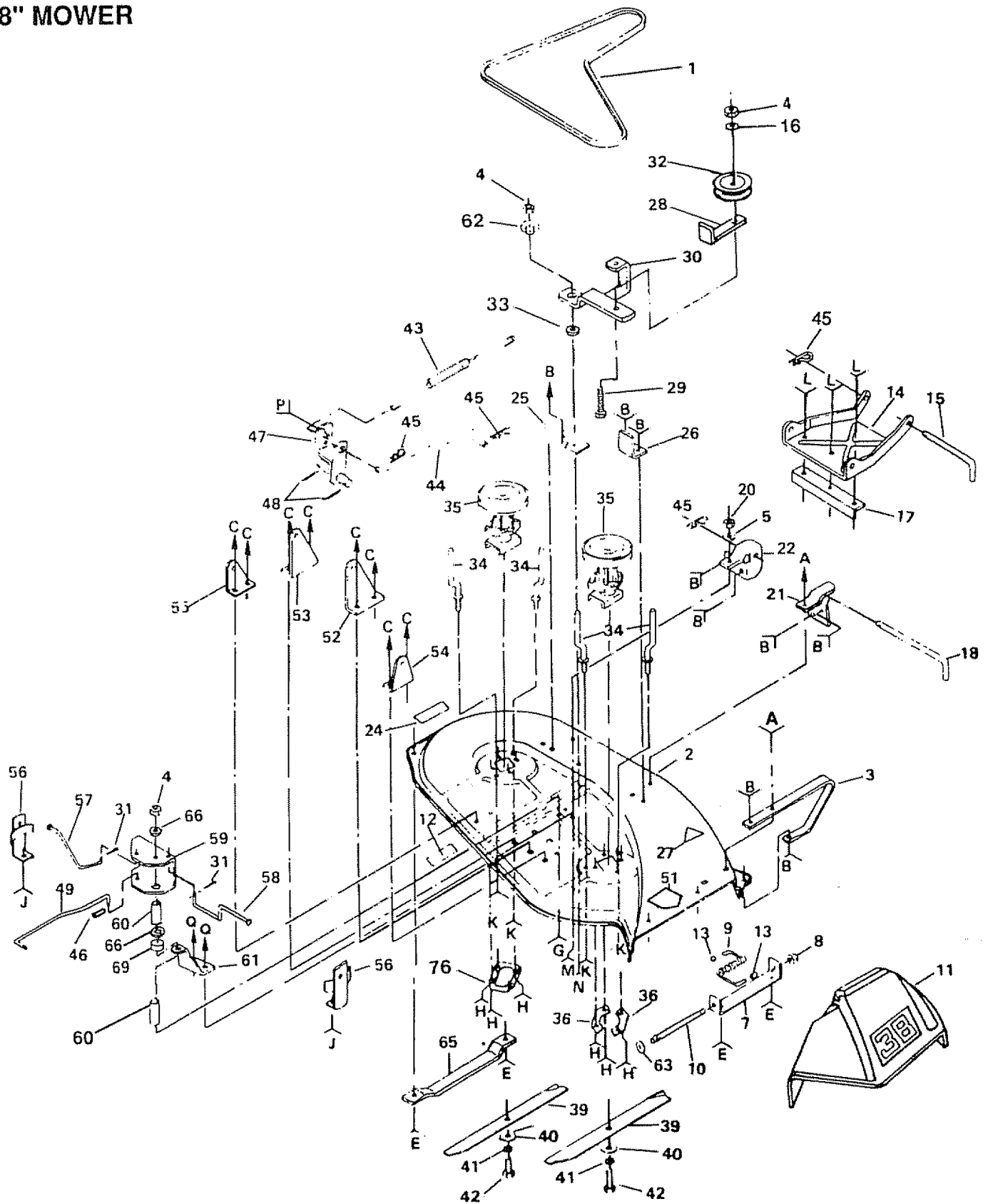
KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1	106933X Knob	30	9135R Retainer, Spring
2	125916X Lever, Mower Clutch	31	4939M Retainer, Spring
3	125914X Bracket, Pivot	32	110447X Trunnion, Lift
4	73680600 Nut, lock 3/8 - 16	33	4921H Retainer Spring
5	STD523707 * Bolt, Hex 3/8 - 16 x 3/4	34	19171516 Washer 17/32 x 5/16 x 16 Ga.
6	106451X Bolt, Shoulder	35	110448X Link, Lift Adjust
7	108387X Rod, Clutch, Primary	36	110029X Link, Lift
8	76020412 Pin, Cotter 1/8 x 3/4	37	STD533707 * Bolt, Carriage 3/8 - 16 x 3/4
9	106308X Trunnion, Lift Lower	38	STD541237 * Nut, Jam 3/8 - 16
10	109728X Bellcrank	39	105864X Bracket, Suspension
11	108236X Bracket, Switch	40	121599X Arm, Suspension - L. H.
12	106444X Bracket, Bellcrank	41	105848X Bolt, Shoulder 3/8 - 16
13	1200037 Klip Ring	42	121598X Arm, Suspension, R. H.
14	100734K Knob, Height Adjustment	43	STD541050 * Nut, Hex Fin 1/2 - 13
15	110807X Nut, Special	44	58606 Spring
16	110729X Rod, Adjust, Lift	45	76020308 Pin, Cotter 3/32 x 1/2
17	2876H Spring	46	19131410 Washer 13/32 x 7/8 x 10 Ga.
18	STD551037 * Washer 13/32 x 5/8 x 16 Ga	47	73980600 Nut, Lock 3/8 - 16
19	17021008 Screw, Hex Hd. Tap.	48	12000022 E-Ring
20	124516X Shaft, Lift	49	19292016 Washer 29/32 x 1 1/4 x 16 Ga.
21	121002X Lever, Lift (Inc. Key No. 22)	50	73360700 Nut, Hex Jam 7/16 x 20
22	121006X Rod, Lever	51	122365X Button, Plunger
23	122364X Plunger, Lever	52	73710700 Nut, Crownlock Jam 7/16 x 20
24	125631X Grip, Handle	53	123934X Scale, Height Indicator
25	STD523715 * Bolt 3/8 - 16 x 1-1/2	54	19112410 Washer 11/32 x 1-1/2 x 10 Ga.
26	123935X Plug, Hole	55	STD551131 * Washer, Lock Hvy. Helical Spring
27	110739X Washer, Spring 3/8	56	74780516 Bolt, Hex Fin 5/16 - 18 x 1
28	110810X Trunnion, Stop Depth		
29	19151216 Washer 15/32 x 3/4 x 16 Ga.		

\*STANDARD HARDWARE - PURCHASE LOCALLY  
 NOTE: All component dimensions given in U.S. inches  
 1 inch = 25.4 mm



# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
38" MOWER



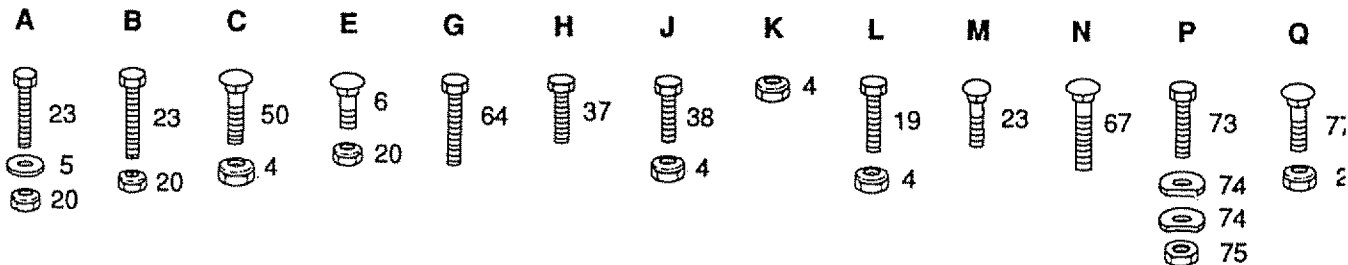


# REPAIR PARTS

## 14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940 38" MOWER

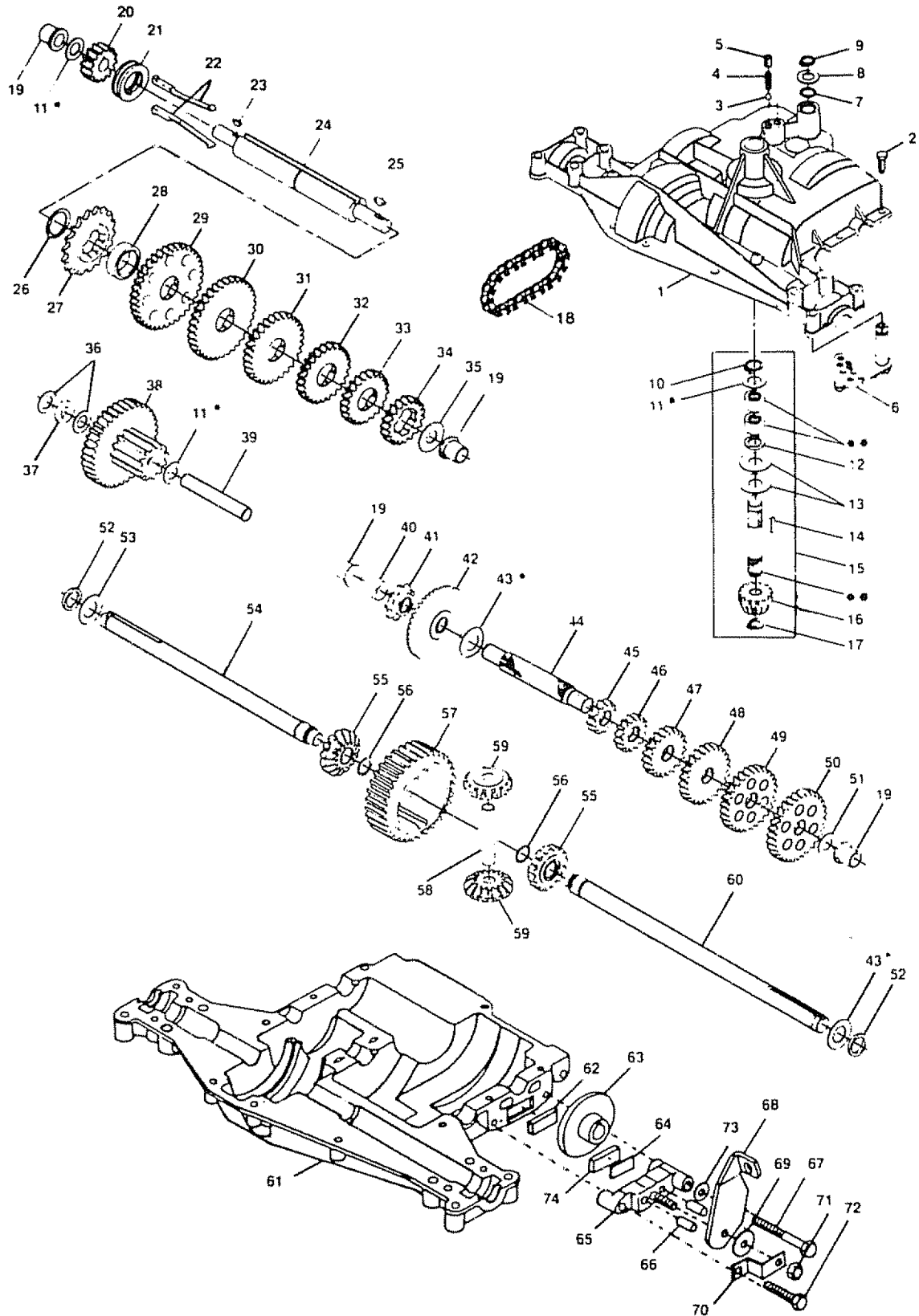
KEY PART NO.	NO.	DESCRIPTION	KEY PART NO.	NO.	DESCRIPTION
1	106085X	V-Belt	39	121263X	Blade, 38"
2	121259X	Housing	40	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
3	8417J	Runner, R. H.	41	STD551137	* Washer, Lock 3/8
4	73680600	Nut, Lock 3/8 - 16	42	STD632715	* Bolt, Hex 3/8 - 24 x 1-1/2 Gr. 5
5	19111216	Washer 11/32 x 3/4 x 16 Ga.	43	108250X	Spring, Extension
6	72140505	Bolt, Carr. 5/16 - 18 x 5/8	44	108235X	Rod, Clutch, Mower
7	105896X	Bracket, Deflector	45	4921H	Spring, Retainer
8	110452X	Push Nut	46	6404J	Spacer 1/2 x 9/16
9	106734X	Spring, Deflector	47	124066X	Rock Shaft Assembly
10	106735X	Rod, Hinge	48	76020616	Pin, Cotter 3/16 x 1
11	106736X	Deflector, Shield	49	108247X	Rod, Brake, Primary
12	105814X	Decal	50	STD533707	* Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	51	121343X	Decal, Warning
14	105662X	Link, Parallel	52	108243X	Bracket, Pivot, R. H.
15	105744X	Pin, Hinge, Front	53	108241X	Bracket, Pivot, L. H.
16	STD551037	* Washer 13/32 x 13/16 x 16 Ga.	54	105857X	Bracket, Suspension, Rear, R. H.
17	105872X	Stop, Link	55	108673X	Bracket, Suspension, Rear, L. H.
18	109835X	Pin, Hinge, Rear	56	106578X	Brake Assembly
19	STD523707	* Bolt 3/8 - 16 x 3/4	57	106463X	Rod, Brake, Secondary, L. H.
20	73680500	Nut, Lock 5/16 - 18	58	108249X	Rod, Brake, Secondary, R. H.
21	109598X	Bracket, Lift, R. H.	59	106456X	Bracket, Brake, Pivot
22	109597X	Bracket, Lift, L. H.	60	100672K	Spacer, Brake
23	STD533107	* Bolt, Carr. 5/16 - 18 x 3/4	61	100673L	Bracket, Support
24	3713J	Instruction, Caution Decal	62	106513X	Washer, Wear
25	109503X	Support Arm	63	19111016	Washer 11/32 x 5/8 x 16 Ga.
26	109504X	Stop, Deck, Front	64	74760688	Bolt 3/8 - 16 x 5-1/4
27	---	Decal, Safety Standard - Not Serviced	65	7631J	Runner, L. H.
28	123204X	Guide, Belt	66	19131614	Washer 13/32 x 1 x 14 Ga.
29	STD523720	* Bolt 3/8 - 16 x 2	67	72140610	Bolt, Carr. 3/8 - 16 x 1-1/4
30	123553X	Arm, Idler	69	122314X	Spacer, Split
31	76020308	Pin Cotter	73	74760412	Bolt, Hex 1/4 - 20 x 3/4
32	121316X	Pulley, Idler	74	109893X	Washer, Special
33	106902X	Spacer, Retainer	75	73680400	Nut 1/4 - 20
34	102669X	Keeper, Belt	76	110445X	Plate Support L. H. Mandrel
35	121687X	Mandrel Assembly	77	72110506	Bolt, Carriage 5/16 - 18 x 16 Ga
36	100668L	Plate, Support, Mandrel	---	122215X	Mower Assembly Complete
37	17490614	Screw, Hex Washer Hd. 3/8 - 16 x 3/4			
38	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1-1/4			

\*STANDARD HARDWARE - PURCHASE LOCALLY.  
NOTE: All component dimensions given in U.S. inch  
1 inch = 25.4 mm



# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
TRANSAXLE FOOTE-DANA - - MODEL NUMBER 4360-7



# REPAIR PARTS

## 14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940 TRANSAXLE FOOTE-DANA - - MODEL NUMBER 4360-7

KEY PART NO. NO.	DESCRIPTION	KEY PART NO. NO.	DESCRIPTION
1 120458X	Housing, Upper	36 2232J	Washer, Plain, .632 x 1.00 x .026
2 2274J	Screw, Tapping, 1/4-20 x .734 Lg.	37 108978X	Spacer, .630 x 1.00 x .169
3 68003	Ball, Detent	38 110079X	Ass'y., Gear, Comb., 12T. & 35T.
4 105904X	Spring, Detent	39 120471X	Shaft, Idler
5 105905X	Screw, Set	40 120472X	Spacer, .635 x .875 x .755
6 120460X	Ass'y., Shifter	41 105928X	Sprocket, 9T.
7 120461X	O-Ring	42 110084X	Gear, Bevel, 42T.
8 120462X	* Washer, Plain, .505 x .942 x .006	43 108983X	* Washer, Plain, .758 x 1.12 x .010
8 120463X	* Washer, Plain, .505 x .942 x .010	43 105930X	* Washer, Plain, .758 x 1.12 x .015
8 120464X	* Washer, Plain, .505 x .942 x .015	43 105931X	* Washer, Plain, .758 x 1.12 x .020
8 120465X	* Washer, Plain, .505 x .942 x .020	43 105932X	* Washer, Plain, .758 x 1.12 x .025
8 120466X	* Washer, Plain, .505 x .942 x .026	43 3417J	* Washer, Plain, .758 x 1.25 x .020
8 83818	* Washer, Plain, .505 x .942 x .030	43 106097X	* Washer, Plain, .758 x 1.25 x .025
8 120467X	* Washer, Plain, .505 x .942 x .040	43 2264J	* Washer, Plain, .758 x 1.25 x .031
9 2286J	Ring, Retaining	43 106098X	* Washer, Plain, .758 x 1.25 x .035
10 2267J	Ring, Retaining	43 2265J	* Washer, Plain, .758 x 1.25 x .040
11 3413J	* Washer, Plain, .632 x 1.00 x .010	43 106586X	* Washer, Plain, .758 x 1.25 x .045
11 2233J	* Washer, Plain, .632 x 1.00 x .020	43 106587X	* Washer, Plain, .758 x 1.25 x .050
11 2232J	* Washer, Plain, .632 x 1.00 x .026	43 106588X	* Washer, Plain, .758 x 1.25 x .055
11 2231J	* Washer, Plain, .632 x 1.00 x .031	43 2263J	* Washer, Plain, .758 x 1.25 x .062
11 2230J	* Washer, Plain, .632 x 1.00 x .036	44 120473X	Shaft, Drive
11 2229J	* Washer, Plain, .632 x 1.00 x .041	45 105933X	Gear, Spur, 12T.
11 2228J	* Washer, Plain, .632 x 1.00 x .046	46 106151X	Gear, Spur, 15T.
11 2227J	* Washer, Plain, .632 x 1.00 x .050	47 120407X	Gear, Spur, 20T.
11 2226J	* Washer, Plain, .632 x 1.00 x .060	48 106589X	Gear, Spur, 25T.
11 105906X	* Washer, Plain, .632 x 1.00 x .082	49 120408X	Gear, Spur, 28T.
12 6725J	O-Ring	50 105937X	Gear, Spur, 31T.
13 120415X	Washer, Plain, .632 x 1.38 x .046	51 2226J	Washer, Plain, .632 x 1.00 x .060
14 2257J	Key, Woodruff, #9	52 2272J	Seal, Felt
15 110077X	Ass'y., Kit, Input Shaft	53 2263J	Washer, Plain, .758 x 1.25 x .062
16 110078X	Pinion, Bevel, 14T.	54 120474X	Axle, L.H.
17 105909X	Ring, Retaining	55 110081X	Gear, Miter, 15T.
18 105910X	Chain, 24 Pitches	56 105941X	Ring, Retaining
19 105911X	Bearing, Flange	57 110071X	Gear, Spur, 32T.
20 108976X	Gear, Spur, 14T.	58 120952X	Shaft, Cross
21 105913X	Collar, Clutch	59 110082X	Gear, Miter, 15T.
22 120468X	Key, Clutch	60 120475X	Axle, R.H.
23 2242J	Key, Woodruff	61 120476X	Housing, Lower
24 120469X	Shaft, Intermediate	62 120961X	Puck, Friction
25 2244J	Key, Woodruff, #61	63 7294J	Disc, Brake
26 105916X	Ring, Retaining	64 108989X	Spacer
27 120470X	Sprocket, 18T.	65 120953X	Jaw, Brake
28 110070X	Spacer	66 120954X	Pin, Dowel
29 108977X	Gear, Spur, 37T.	67 120955X	Screw, Tapping, 5/16-18 x 2.25 Lg.
30 109254X	Gear, Spur, 35T.	68 108992X	Lever, Actuating
31 120405X	Gear, Spur, 30T.	69 108996X	Washer, Plain, .321 x 1.00 x .055
32 108980X	Gear, Spur, 25T.	70 120956X	Bracket, Anti-Rotation
33 120406X	Gear, Spur, 22T.	71 73810500	Nut, Lock, 5/16-24
34 108455X	Gear, Spur, 19T.	72 106596X	Screw, Tapping, 5/16-18 x 1.44 Lg.
35 105925X	Washer, Plain, .640 x 1.37 x .061	73 120993X	Washer, Plain, .343 x .81 x .059
		74 120951X	Puck, Friction
		75 120416X	Grease

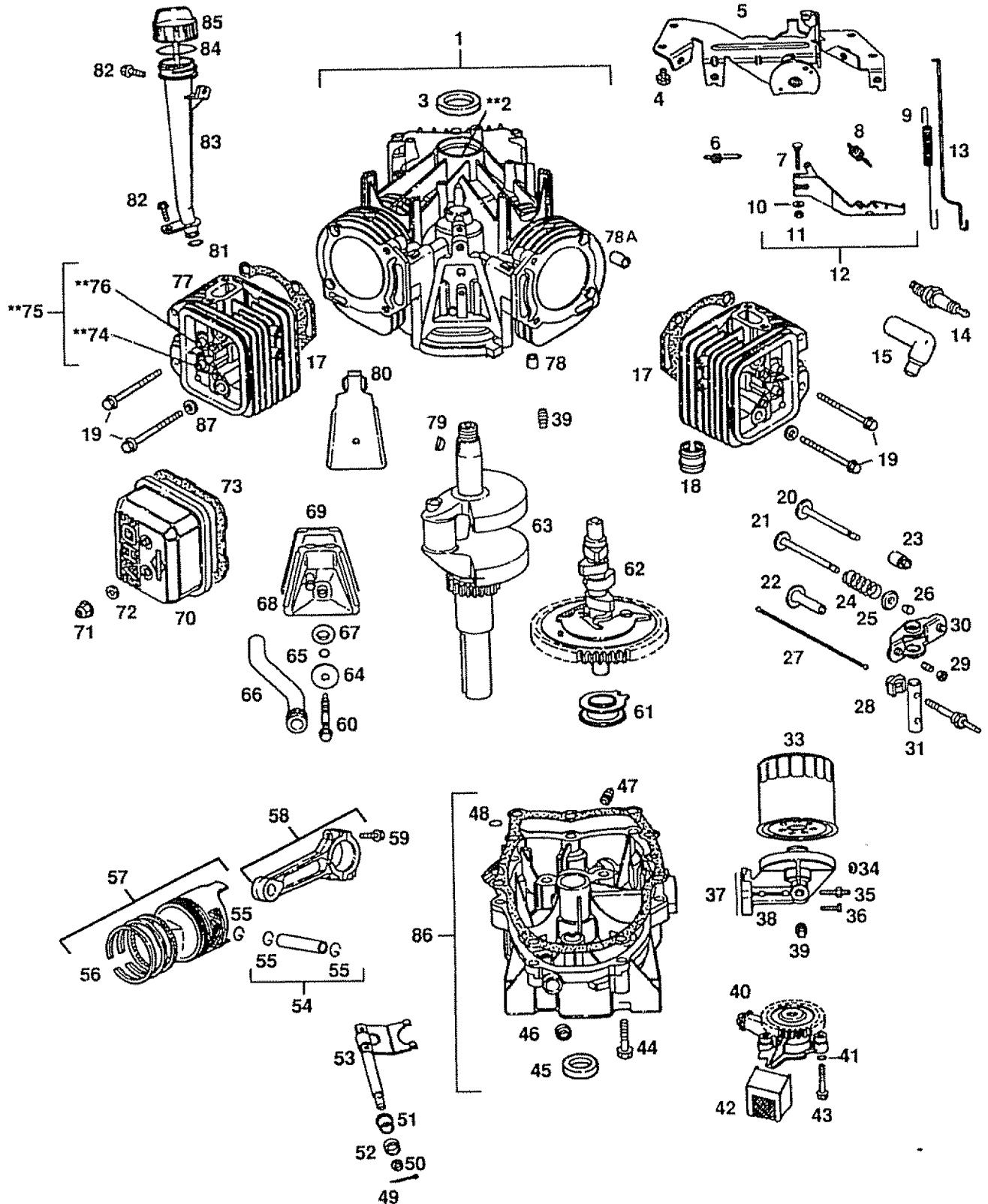
\*Use in various combinations to maintain proper clearances

\*\*Order Key No. 15.

NOTE: All component dimensions given in U.S. inches  
1 inch = 25.4 mm

# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02



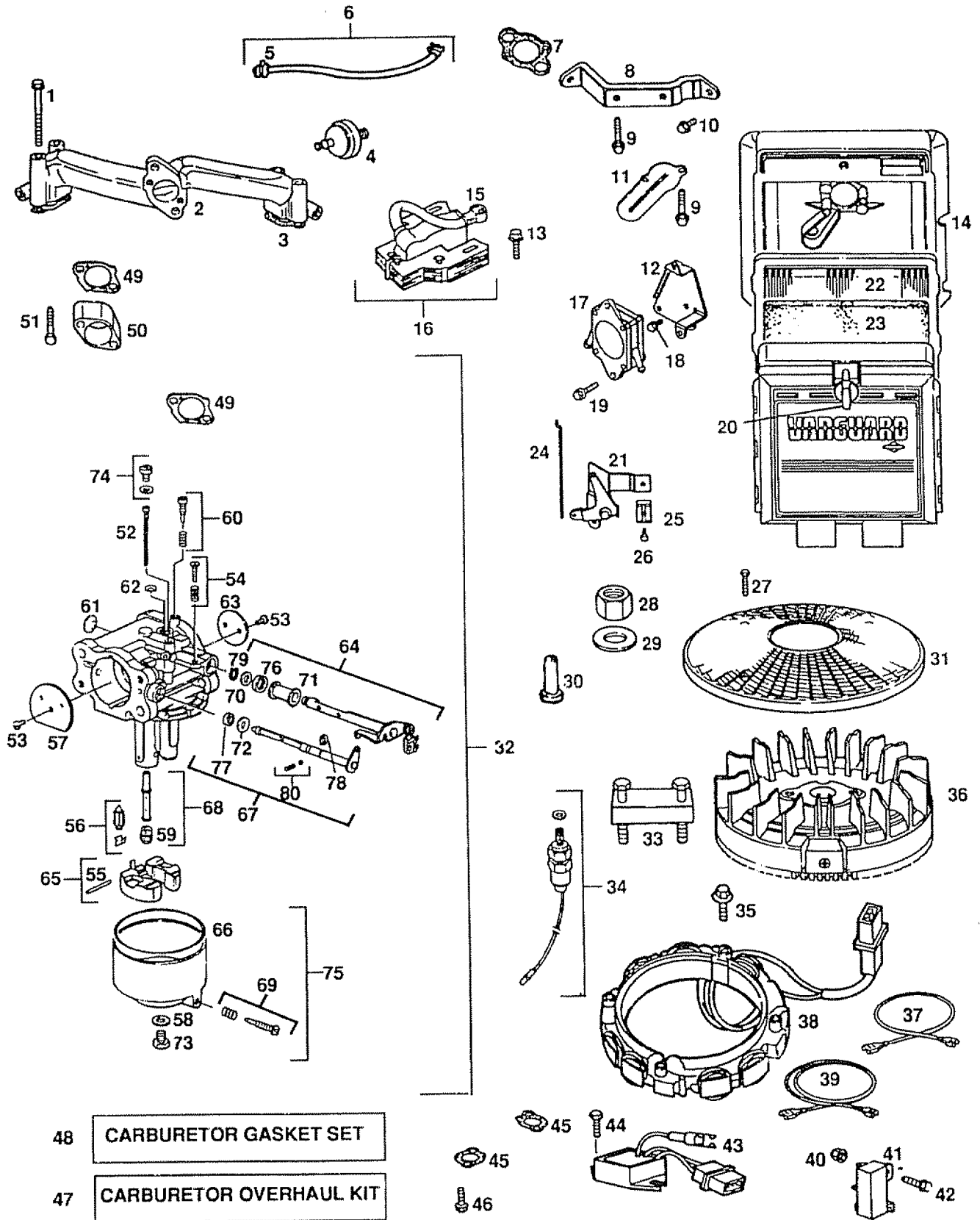
# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02

KEY. NO.	PART NO.	DESCRIPTION	KEY. NO.	PART NO.	DESCRIPTION
1	807511	Cylinder Assembly	48	805198	O-Ring (Crankcase) Cover)
2	805107	Bearing-Cylinder	49	805417	Pin-Cotter
3	805101	Seal-Oil	50	805054	Seal-Governor Shaft
4	805025	Screw-Sem	51	805412	Bushing-Governor Shaft
5	807610	Bracket-Governor Control	52	805413	Bushing-Governor Shaft
6	805453	Spring-Governed Idle	53	807596	Fork-Governor
7	805381	Bolt	54	807621	Pin Assy. Piston (Standard)
8	805460	Spring-Governor	55	805099	Lock-Piston Pin
9	805465	Spring-Governor Link	56	807620	Ring Set-Piston (Standard)
10	805018	Washer	57	807619	Piston Assembly (Standard)
11	805383	Nut-Hex	58	807622	Rod Assembly-Connecting
12	807528	Lever Assembly-Governor	59	805395	Screw-Connecting Rod
13	805480	Link-Governor	60	805194	Screw
14	491055	Resistor Spark Plug (Champion RJ 12 or equivalent)	61	805313	Slider-Governor
15	805529	Elbow-Spark Plug	62	807542	Gear-Cam
16	807510	Head Cylinder- (Cyl. #2)	63	807588	* Crankshaft
17	805111	*+ Gasket-Cylinder Head	64	805484	Washer-Breather Screw
18	805083	Liner-Exhaust Port	65	805482	Seal-Breather Screw
19	805097	Screw-Cylinder Head	66	805362	Tube-Breather
20	805090	Valve-Intake	67	805483	Seal-Breather Screw
21	805089	Valve-Exhaust	68	807553	* Breather Assembly
22	805354	Tappet-Valve	69	805379	Gasket, Breather
23	805094	Seal-Valve Guide	70	805100	* Cover-Valve
24	805078	Spring-Valve			Note:*807665 Cover-Valve Used or Cylinder #1 on Fuel Pump Applications
25	805092	Retainer-Valve Spring	71	805019	+ Nut-Nylock
26	805161	Retainer-Valve	72	805420	+ Washer-Valve Cover
27	805352	Rod-Push	73	805028	* Valve-Cover Gasket
28	805341	Support-Rocker Arm	74	805086	Seat-Exhaust Valve
29	807623	Screw-Valve Adjustment (Includes: Jam Nut)	75	805084	Guide-Valve
30	807557	Arm-Rocker	76	805085	Seat-Intake Valve
31	805342	Shaft-Rocker Arm	77	807508	Head-Cylinder (Cyl. #1)
32	805343	Stud-Rocker Arm	78	805103	Dowel-Crankcase
33	491056	Filter-Oil	78A	805102	Dowel-Cylinder Head
34	805449	Lockwasher	79	805016	Key-Flywheel
35	805073	Stud-Oil Filter Adapter	80	805197	Baffle-Breather
36	805030	Screw-Sem	81	805011	Seal-Filler Tube
37	805250	* Gasket-Oil Filter Adapter	82	805317	Screw-Mounting
38	805292	Adapter-Oil Filter	83	807611	Tube-Oil Filler
39	805059	Plug-Pipe	84	805012	O-Ring
40	807644	Oil Pump Assembly	85	807516	Dipstick
41	805058	O-Ring (Oil Pump)	86	807638	Cover Assembly-Crankcase
42	805312	Screen-Oil	87	805193	+ Washer-Cylinder Head
43	805057	Screw-Sem			*Included in Gasket Set - Part No. 807640
44	805017	Screw-Crankcase Cover			+Included in Valve Overhaul Kit - Part No. 807668
45	805049	Seal-Oil			Note: All component dimensions given in U.S. inches. 1 inch = 25.4mm
46	805416	Washer-Governor Shaft			A RESISTOR SPARK PLUG MUST BE USED IN ORDER TO COMPLY WITH RADIO INTERFERENCE REGULATIONS.
47	805048	Plug-Oil Drain			

# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02



# REPAIR PARTS

**14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940**  
**ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02**

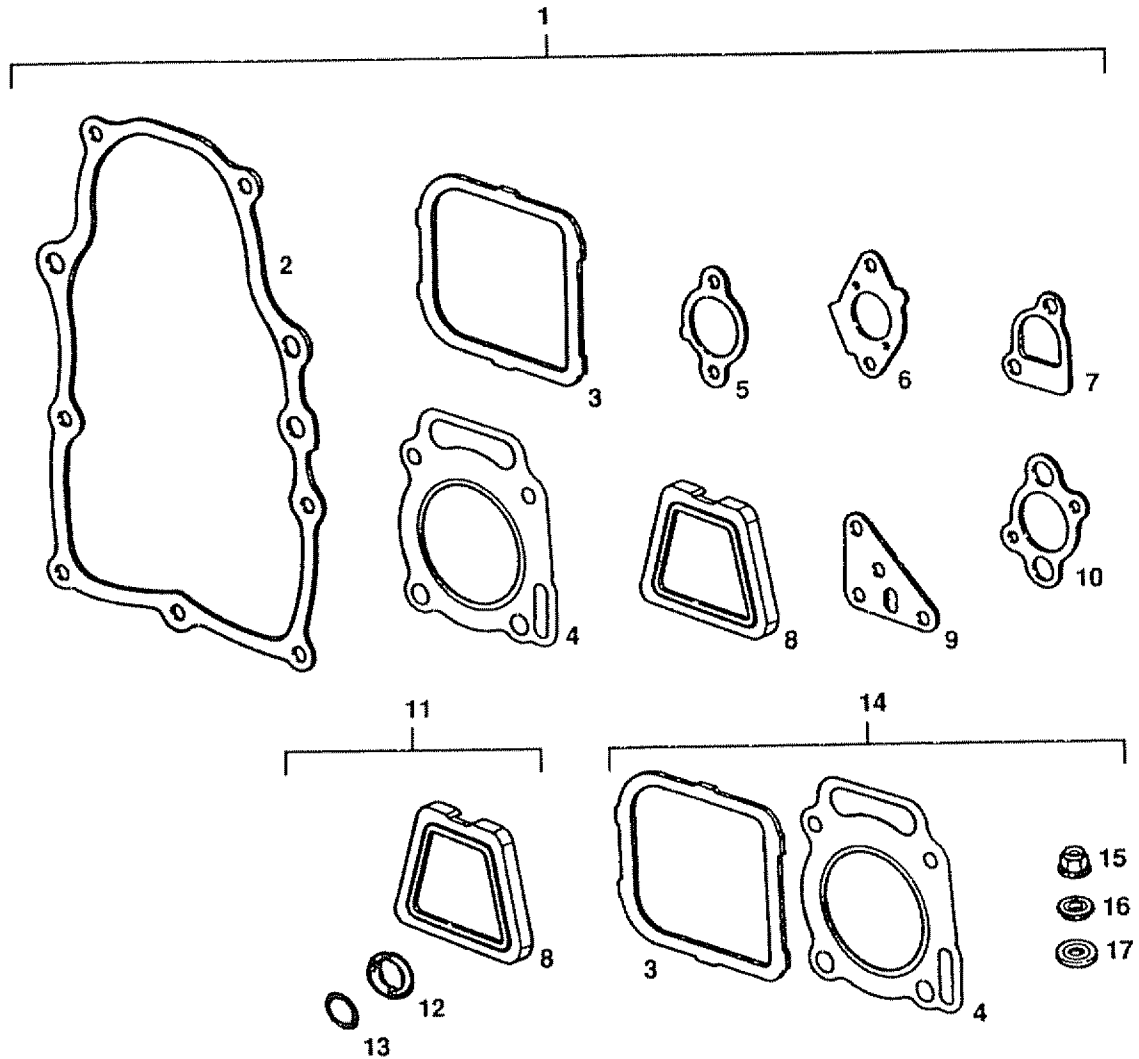
KEY. PART NO.	PART NO.	DESCRIPTION	KEY. PART NO.	PART NO.	DESCRIPTION
1	805006	Screw-Sem	42	805169	Screw-Hex. Head
2	805409	Manifold Assembly-Intake	43	394890	Regulator-Alternator
3	805023	* Gasket-Intake Manifold	44	805448	Screw-Regulator Mtg.
4	394358	* Filter-Fuel	45	805024	* Gasket-Exhaust Manifold
5	93053	Clamp-Hose	46	805158	Screw-Sem
6	393815	Hose-Fuel (Cut to Required Length)	47	-----	Carburetor Overhaul Kit
7	805003	* Gasket-Air Cleaner	48	-----	Carburetor Gasket Set
8	807576	Bracket-Air Cleaner	49	805149	* Gasket-Carburetor Mtg.
9	805405	Screw-Air Cleaner Base	50	805329	Spacer-Carburetor
10	805406	Screw-Sem	51	805360	Screw-Sem
11	805370	Deflector-Breather (A.C.)	52	805565	** Nozzle-Carburetor
12	807685	Bracket-Fuel Pump	53	805561	Screw-Valve Mtg.
13	805407	Screw-Mounting	54	807705	Screw-Throttle Adj.
14	807564	Base-Air Cleaner	55	805586	** Pin-Float Hinge
15	221798	Terminal-Ignition Cable	56	807706	** Valve-Fuel Inlet
16	490586	Armature-Magneto	57	805562	Valve-Choke
17	491922	Pump-Fuel	58	-----	Gasket-Sealing (Sold in kit only)
18	805025	Screw-Sem	59	-----	** Jet-Main (Sold in kit and ref. 68)
19	805407	Screw-Mounting	60	807707	Valve Assy. Carb Idle
20	807565	Screw-Air Cleaner Mtg.	61	805570	** Plug-Welch
21	807609	Bracket-Choke Control	62	805571	** Plug-Welch
22	805113	Filter-Air Cleaner	63	805522	Valve-Throttle
23	805267	Pre-Filter	64	807709	Shaft-Throttle
24	805439	Link-Choke	65	807710	Float Assy.-Carb.
25	221535	Clamp-Casing	66	-----	** Gasket Float Bowl (Sold in kit only)
26	805169	Screw-Hex. Head	67	807711	Shaft-Choke
27	805447	Screw-Sem	68	807712	** Nozzle
28	805021	Nut-Hex	69	807713	Drain-Carb. Bowl
29	805007	Washer-Spring	70	805576	** Collar-Throttle
30	805402	Spacer	71	805574	** Collar-Throttle
31	280829	Screen-Rotating	72	805580	** Collar-Choke
32	807639	Carburetor Assembly	73	805592	Screw-Bowl Mtg.
33	19203	Puller-Flywheel	74	807714	Plug and Seal Carb
34	807646	Solenoid	75	807715	Bowl Assy. Float
35	805407	Screw-Mounting	76	805575	** Seal-Throttle Shaft
36	807531	Flywheel & Ring Gear	77	805581	** Seal-Choke Shaft
37	807594	Wire-Ground (Cyl #1)	78	805578	Retainer-Choke Shaft
38	393295	Stator-Alternator	79	805577	Retainer-Throttle Shaft
39	807593	Wire-Ground (Cyl. #2)	80	807717	Ball-Choke Locator
40	805496	Nut-Nylock			
41	807527	Terminal-Ground			

\*Included in Gasket Set-Part No 807640

\*\*Included in Carburetor Overhaul Kit Part No. 807708

# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02



KEY NO.	PART NO.	DESCRIPTION
1	807640	Gasket Set
2	805112	* Gasket-Crankcase Cover
3	805028	*+ Gasket-Valve Cover
4	805111	*+ Gasket-Cylinder Head
5	805024	* Gasket-Exhaust Manifold
6	805149	* Gasket-Carburetor Mtg.
7	805023	* Gasket-Intake Manifold
8	805379	* Gasket-Breather
9	805250	* Gasket-Oil Filter Adapter

KEY NO.	PART NO.	DESCRIPTION
10	805003	* Gasket-Air Cleaner
11	807688	Breather Gasket Set
12	805483	Seal-Breather Screw
13	805482	Seal-Breather Screw
14	807668	Overhaul Kit-Valve
15	805019	+ Nut-Nylock
16	805420	+ Washer-Valve Cover
17	805193	+ Washer-Cylinder Head

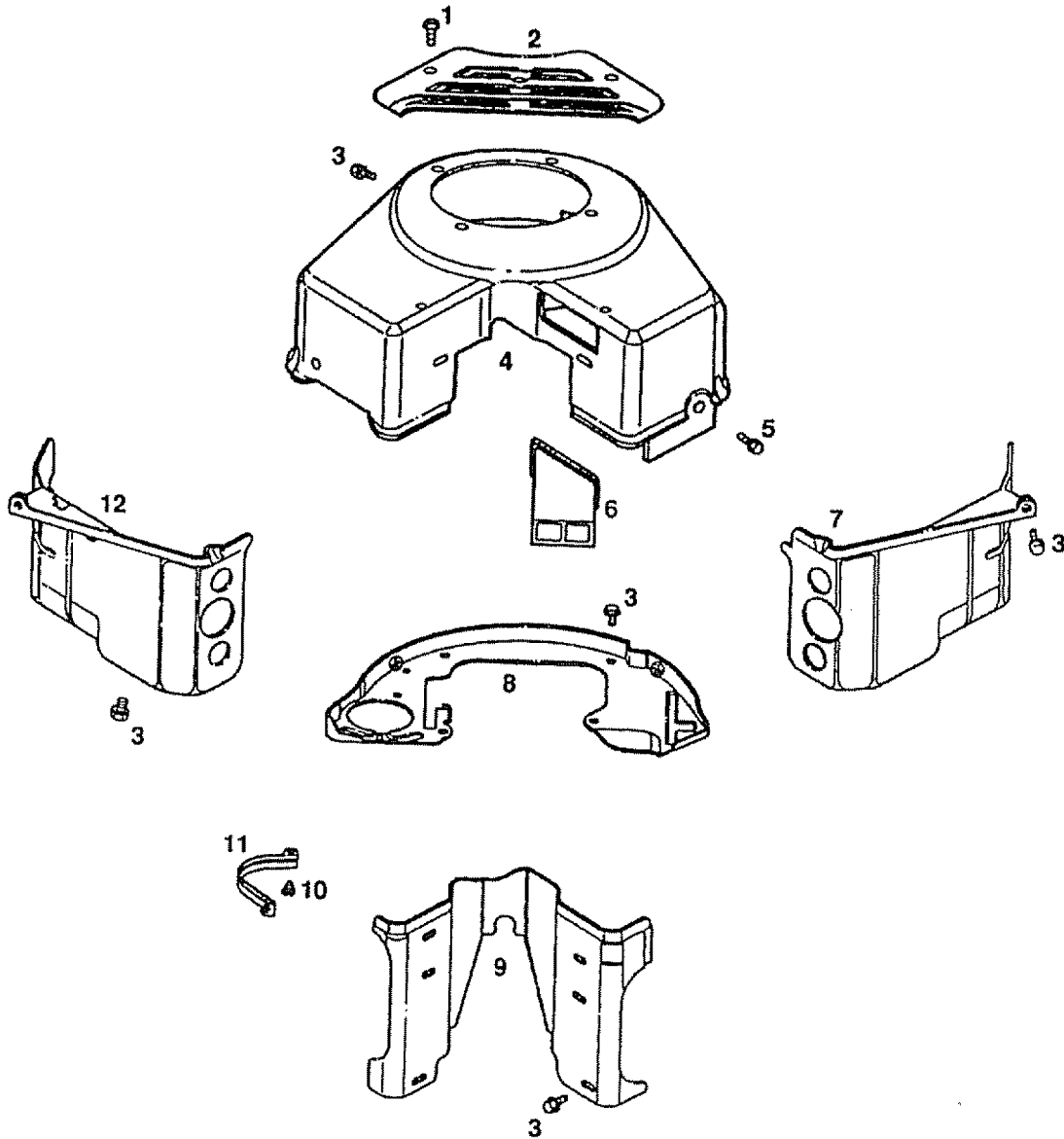
\*Included in Gasket Set - part No. 807640 .

+Included in Valve Overhaul Kit - Part No. 807668



# REPAIR PARTS

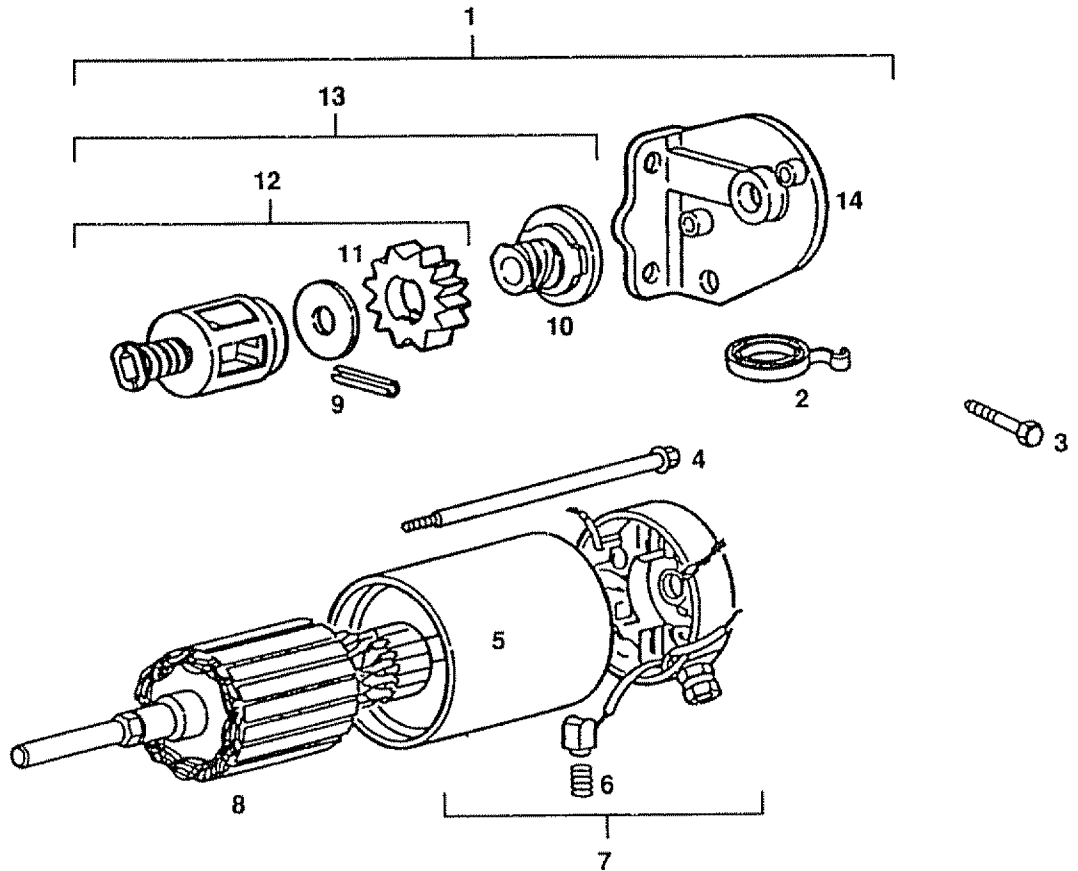
14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02



KEY PART NO.	PART NO.	DESCRIPTION	KEY PART NO.	PART NO.	DESCRIPTION
1	805009	Screw-Sem	7	807657	Cover-Air Guide (Cyl. #2)
2	805369	Cover-Carburetor	8	807663	Back Plate Assembly
3	805406	Screw-Sem	9	807660	Valley Cover-Air Guide
4	807662	Housing-Blower	10	805260	Screw-Sem
5	805025	Screw-Sem	11	805505	Shield-Starter
6	805363	Tube-Air Inlet	12	807656	Cover-Air Guide (Cyl. #1)

# REPAIR PARTS

14 HP 38" RIDING LAWN TRACTOR - - MODEL NUMBER 917.254940  
 ENGINE BRIGGS AND STRATTON - MODEL NUMBER 303777, TYPE NUMBER 0015-02



KEY NO.	PART NO.	DESCRIPTION
1	399169	Motor-Starting
2	490316	Brush Spring Set
3	805247	Screw-Starter Mtg
4	94169	Bolt
5	399172	Housing Assembly
6	490311	Brush Assembly
7	490310	Cap Assembly-Commutator End

KEY NO.	PART NO.	DESCRIPTION
8	490309	Armature Assembly
9	94288	Roll Pin
10	398003	Clutch Assembly
11	280104	Gear
12	490467	Retainer Kit
13	490421	Drive Assembly
14	394857	Cap Assembly-Commutator End

# 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 71-24940

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

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

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

71-2452	3HP	12 bu.	71-26471 chute
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**CARTS** make hauling easy.

71-24353	4 cu. ft.	400 lb.	Dump cart
71-24354	10 cu. ft.	1,000 lb.	Hauling cart
71-24355	10 cu. ft.	1,000 lb.	Dump cart
71-24356	14 cu. ft.	1,250 lb.	Dump cart
71-24357	17 cu. ft.	1,500 lb.	Dump cart

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

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

71-24194	Drop type, 36 inch. 12 in. semi-pneumatic wheels. 100 lb. capacity steel hopper.
71-24394	Broadcasts over a 5 to 8 foot swath. 70 lb. capacity steel hopper. Noncorrosive spreading spinner, nylon gear box, stainless steel shaft.
71-24395	Broadcasts 8 to 10 foot swath. 160 lb. capacity. No-rust polypropylene hopper and impeller. Vinyl hopper cover.
71-2416	Broadcasts 6 to 8 foot swath. 150 lb. capacity. Corrosion-resistant construction. Polyethylene hopper.

**CORING AERATOR** takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray. Stock number 71-24351.

**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 tray for increased penetration. Stock number 71-2435.

**DETHATCHER** loosens and flips thatch and matted leaves to lawn surface for easy pick up. Twenty spring tine teeth. Useful to prepare bare areas for reseeding. 40 inch rear mount; Stock number 71-24303; 38 inch front mount, Stock number 71-24301

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

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

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

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

**TIRE CHAINS** are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction. Stock No. 71-26943.

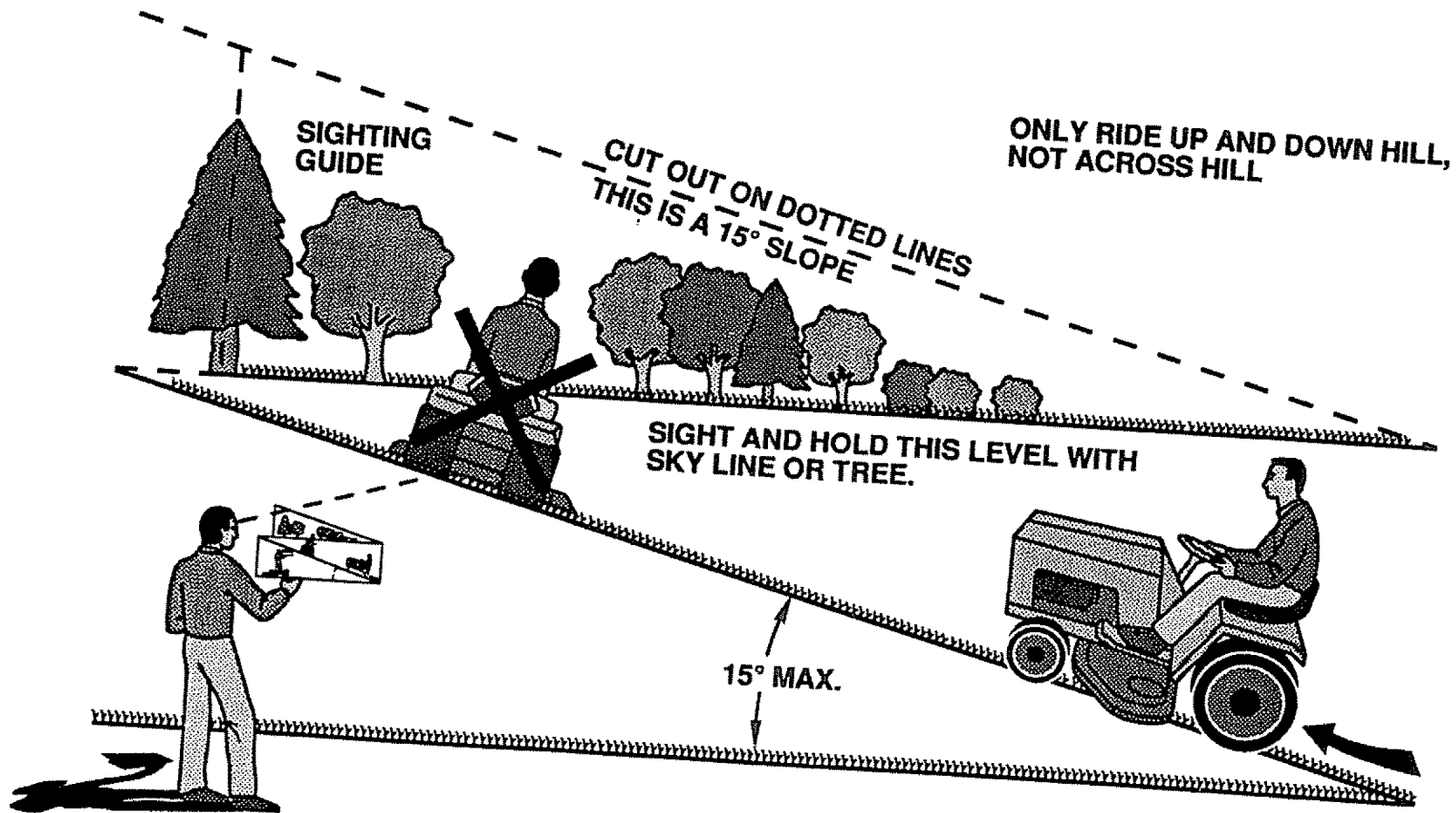
**WHEEL WEIGHTS** for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. Stock No. 71-24434 (30 lb. each)

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

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

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

# SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION



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**  
OWNER'S  
MANUAL

**MODEL NO.  
917.254940**

**HOW TO ORDER  
REPAIR PARTS**

**CRAFTSMAN®**  
**14.0 HP IC**  
**ELECTRIC START**  
**38" MOWER DECK**  
**6 SPEED TRANSAXLE**  
**LAWN TRACTOR**

Each Tractor has its own model number. Each Engine has its own model number.

The model number for your Tractor will be found on the Model Plate located under the seat.

The model number for your Engine will be found on the Blower Housing.

All parts listed herein may be ordered from any Sears, Roebuck and Co. Service Centers and most Retail Stores.

**WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:**

- PRODUCT - 14 H.P. LAWN TRACTOR
- MODEL NUMBER - 917.254940
- ENGINE MODEL NUMBER - 303777, TYPE NUMBER 0015-02
- PART NUMBER
- PART DESCRIPTION

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

**Sears, Roebuck and Co., Chicago, IL 60684 U.S.A.**