

SEARS

**OWNERS
MANUAL**

**MODEL NO.
917.254244**



CRAFTSMAN

**LT 12 HP ELECTRIC START
6 SPEED - 38" MOWER
LAWN TRACTOR**

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

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

SAFETY RULES

1. Know the controls and how to stop quickly. READ THIS OPERATOR'S MANUAL and instructions furnished with attachments.
2. Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Do not mow when children and others are around.
4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Do not let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in the drivers seat.
7. Always get on or off your tractor from the operator's left hand side.
8. Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
9. Disengage all attachment clutches before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repair. Be careful to avoid touching hot muffler or engine components.
12. Disengage power to attachments when transporting or not in use.
13. Take all possible precautions when leaving the vehicle unattended. Disengage the power-take-off, lower the attachments, shift into neutral, set the parking brake, stop the engine and remove the key.
14. Do not stop or start suddenly when going, uphill or downhill. Mow up and down the face of slopes (not greater than 15°); never across the face. Refer to page 47.
15. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
16. While going up or down slopes, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign objects.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in discharge chute or near any moving parts while tractor or mower are running. Always keep clear of discharge chute.
23. Use care when pulling loads or using heavy equipment.
 - a. Use only approved drawbar hitch points.
 - b. Limit loads to those you can safely control.
 - c. Do not turn sharply. Use care when backing.
 - d. Use counterweight or wheel weights when suggested in the owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill tank indoors, always clean up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for adjustments; DO NOT operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler or tamper with exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object and the damage should be repaired before restarting and operating the equipment.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows;
 - a. Mow only in daylight or in good artificial light.
 - b. Shut the engine off when unclogging chute.
 - c. Check the blade mounting bolts for proper tightness at frequent intervals.
36. Do not operate the mower without the deflector shield in place.
37. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.
38. Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.



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

CAUTION: LOOK FOR THIS WORD TO POINT OUT IMPORTANT EQUIPMENT PRECAUTIONS.



THIS UNIT IS EQUIPPED WITH AN INTERNAL COMBUSTION ENGINE AND SHOULD NOT BE USED ON OR NEAR ANY UNIMPROVED FOREST COVERED, BRUSH COVERED, OR GRASS COVERED LAND UNLESS THE ENGINE'S EXHAUST SYSTEM IS EQUIPPED WITH A SPARK ARRESTER MEETING APPLICABLE LOCAL OR STATE LAWS (IF ANY). IF A SPARK ARRESTER IS USED, IT SHOULD BE MAINTAINED IN EFFECTIVE WORKING ORDER BY THE OPERATOR.

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. Refer to the Repair Parts Section, page 32.

CONGRATULATIONS on your purchase of a Sears Lawn Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance. Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

MAINTENANCE AGREEMENT

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

CUSTOMER RESPONSIBILITIES

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

ATTACHMENTS

This unit can use many attachments now available at your Sears store. It cannot use attachments that engage the ground like a plow, harrow, cultivator, or tiller.

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(s) and belt(s), which are expendable and become worn during normal use

This warranty does not cover:

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

FULL 90-DAY WARRANTY ON BATTERY

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

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

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

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

INDEX

A

Adjustments:

- Brake 14
- Carburetor 18
- Mower Drive Belt 22
- Mower
 - Front-to-Rear 23
 - Side-to-Side 22
- Throttle Control Cable 18
- Engine Valves 18

Air Filter

- Cleaning 16
- Element 16

Air Intake Screen, Engine 16

Assembly 5-8

B

Battery:

- Charging 7
- Cleaning 15
- Installation 8
- Levels 8
- Preparation 7
- Starting with Weak Battery 17
- Storage 23
- Terminals 15

Belt:

- Motion Drive Replacement 19
- Mower Drive Adjustment 22
- Mower Drive,
 - Remove/Replace 20

Blade:

- Sharpening 14
- Replacement 14

Brake Adjustment 14

C

- Carburetor Adjustment 18
- Controls, Tractor 9
- Cutting Level, Mower 12

E

Engine:

- Air Screen 16
- Oil Change 16
- Oil Level 16
- Oil Type 16
- Starting 11
- Storage 23
- Valve Adjustment 18

F

- Filter 16
- Fuel:
 - Type 10
 - Storage 22
- Fuse 20

H

- Hood Removal 20

L

- Levelling Mower Deck 22
- Lubrication:
 - Chart 24
 - Tractor Pivot Points 24

M

Maintenance:

- Air Filter 16
- Air Filter Element 16
- Air Screen 16
- Battery 15
- Blade Sharpening 14
- Brake Adjustment 14
- Engine Oil 16
- Lubrication Chart 24
- Spark Plugs 18
- Tire Care 14

Mower:

- Adjustment, Front-to-Rear 23
- Adjustment, Side-to-Side 22
- Blade Sharpening 14
- Blade Replacement 14
- Cutting Level 12
- Installation 21
- Operation 11
- Removal 20

Muffler 17

Spark Arrester 2

O

Oil

- Cold Weather Conditions 16
- Engine 16
- Storage 23

Operation 9-12

- Operating Your Mower 11
- Operating Your Tractor 11
- Starting the Engine 11
- Stopping Your Tractor 10
- Tractor Operation on Hills 12

P

- Parking Brake 14
- Parts Bag 5-6

R

Repair and Adjustments 14-23

- Blade 15
- Carburetor 18
- Fuse 20
- Hood Removal 20
- Motion Drive Belt
 - Replacement 19
- Mower Drive Belt
 - Replacement 20
- Mower Adjustment
 - Side-to-Side 22
- Mower Removal 20

S

- Safety Rules 2
- Seat 7
- Service Record 13
- Slope Guide Sheet 47
- Spark Plug 18
- Speed Control Chart 12
- Starting the Engine 11
- Steering Wheel 5
- Stopping the Tractor 10
- Storage 23

T

- Throttle Control Cable
 - Adjustment 18
- Tires 14
- Trouble Shooting Chart 25

V

- Valves, Adjust 18

W

- Warranty 3
- Wiring (Schematic) 27

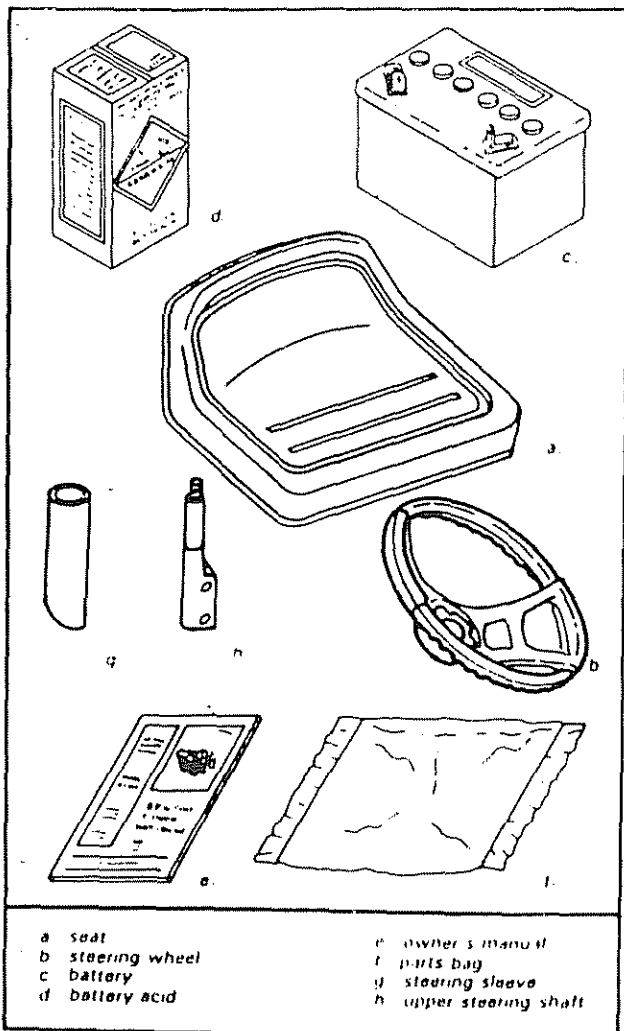
ASSEMBLY

1. Unpack Tractor

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

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

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



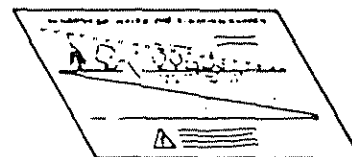
Parts Bag Contents Not Shown Full Size:



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



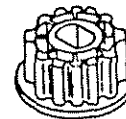
Terminal Guard



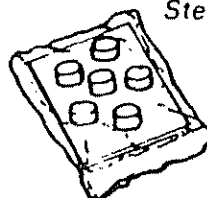
15° Slope Instruction Sheet



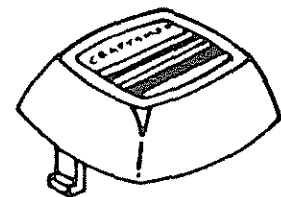
(2) Keys



Steering Wheel Adapter

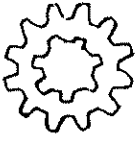





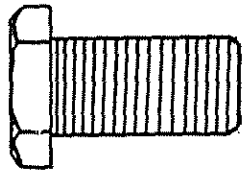

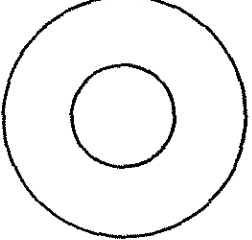
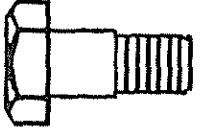
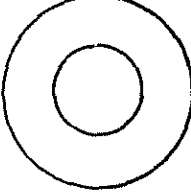


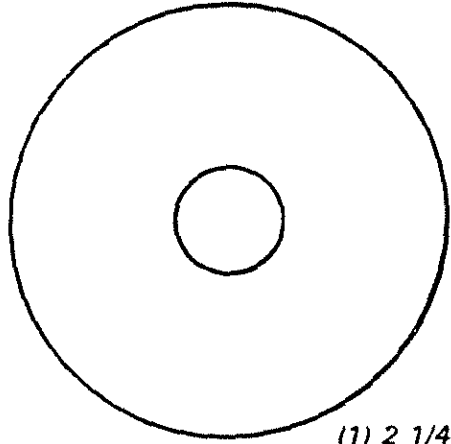



Battery Caps
And Instructions



Steering Wheel Insert

ASSEMBLY

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

ASSEMBLY

To assemble tractor you will need:

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

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

WEAR EYE AND FACE SHIELD.

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

DO NOT SMOKE; FUMES FROM CHARGED BATTERY ACID ARE EXPLOSIVE

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

2. Prepare Battery

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

- a. Fill each cell with battery acid. Add the acid until it reaches the bottom of the vent tubes (Fig 3) Do not add the acid beyond this level or the additional acid can come out when the battery is charged.
- b. After cells are filled, tilt battery from side to side to release air bubbles.
- c. 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.
- d. Check battery case for leakage to make sure that no damage has occurred in handling.
- e. Neutralize excess battery acid for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- f. Use a 12 volt battery charger. Charge battery ^{b.} at a rate of 6 amperes for 1 hour. NOTE: OBSERVE SAFETY PRECAUTIONS, LISTED IN BOX ABOVE, REQUIRED FOR BATTERY CHARGING. Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.

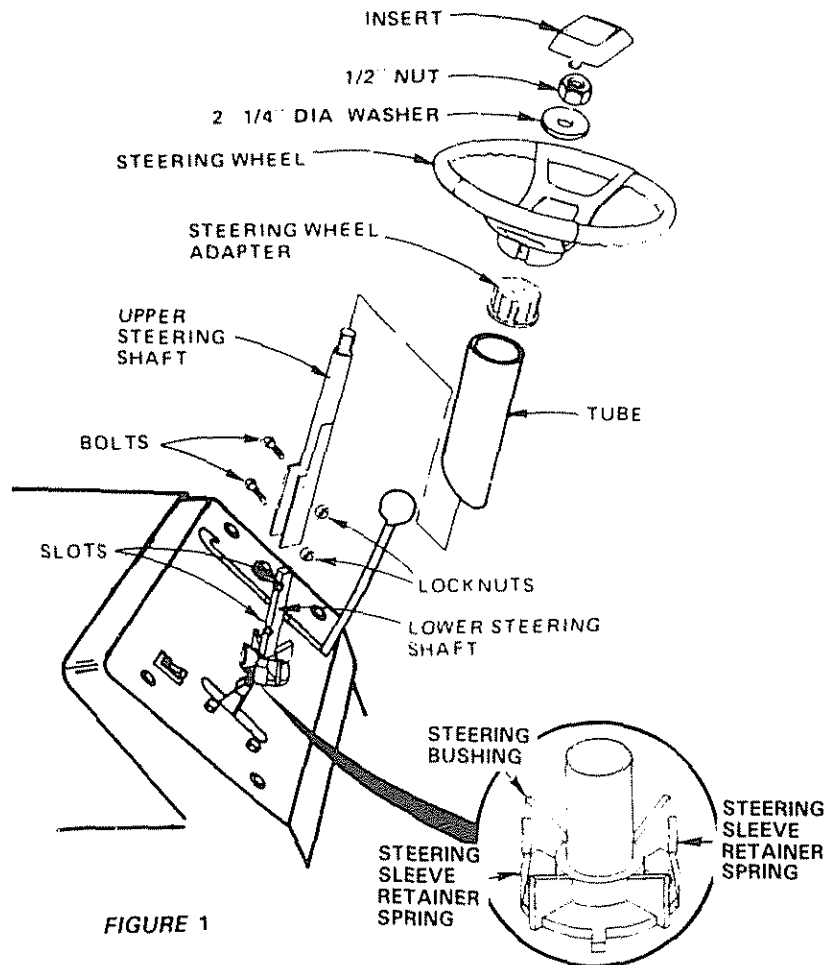


FIGURE 1

3. Install Seat.

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

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



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

ASSEMBLY

4. Check Tires

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

5. Install Battery



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

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

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



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

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

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

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

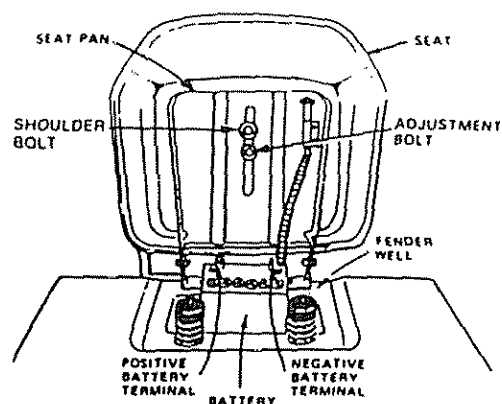


FIGURE 2

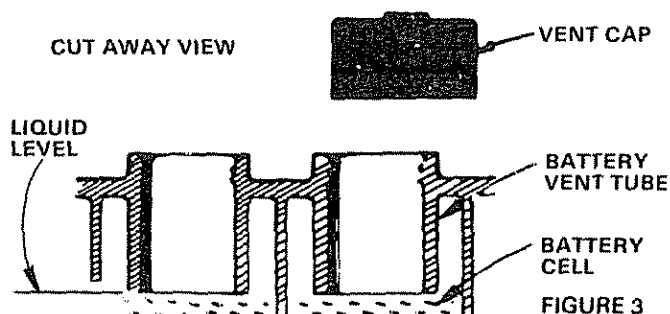


FIGURE 3

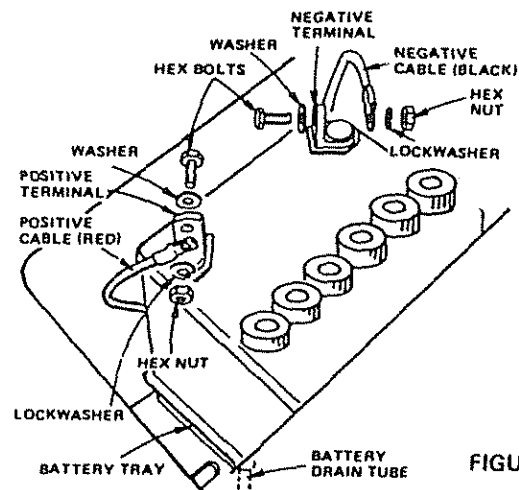


FIGURE 4

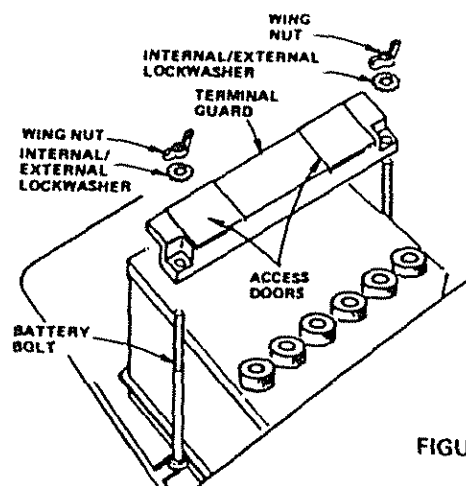


FIGURE 5

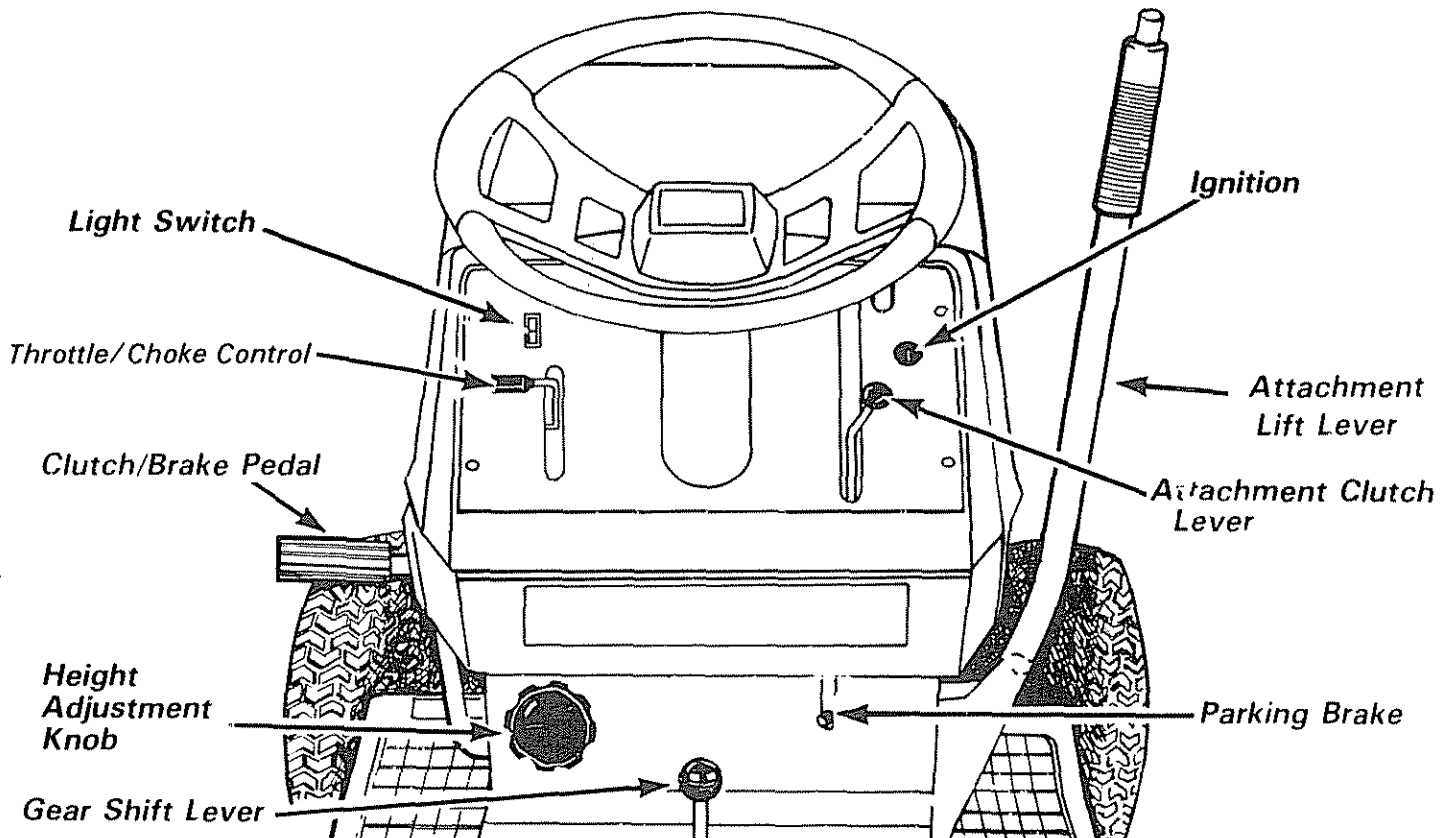
6. Maintenance After First 2 Hours (Two Mowings)

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

OPERATION

KNOW YOUR TRACTOR

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



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

ATTACHMENT LIFT LEVER: Use the attachment lift lever to raise and lower the attachment mounted to your tractor. Pull lever back slightly and push button, then move the lift lever forward to lower attachment.

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

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

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

IGNITION: Place key in ignition and turn to the right to start. The switch spring returns from the start position.

LIGHT SWITCH: Turns the headlights on and off.

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

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

OPERATION

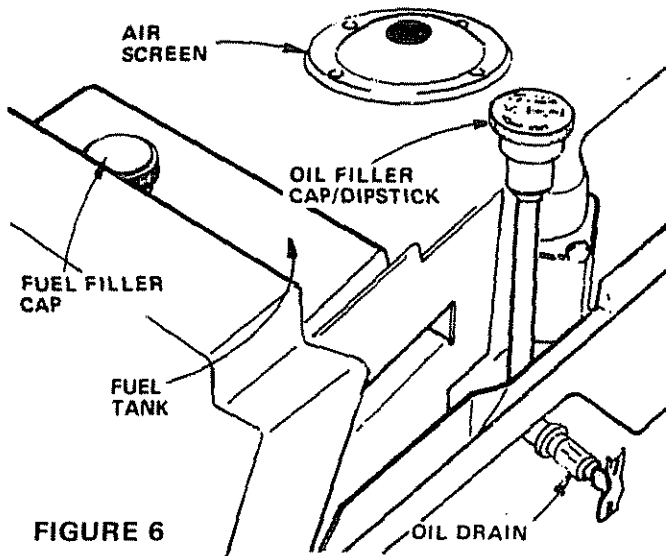


FIGURE 6

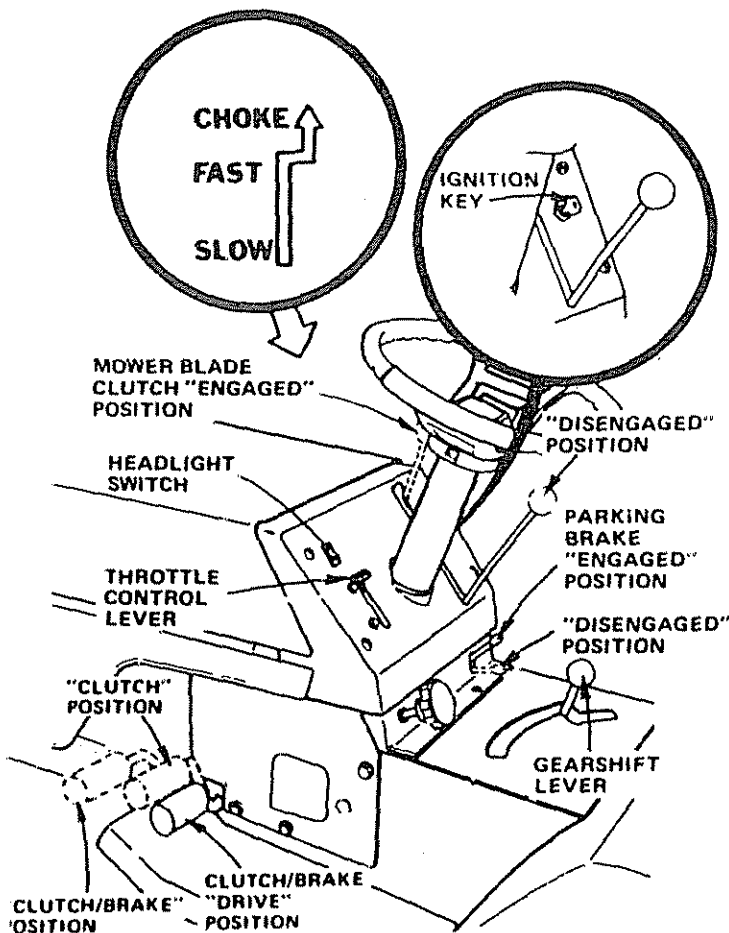


FIGURE 7

1. Stopping Your Tractor

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

- Push clutch-brake pedal into full "BRAKE" position. Keep your foot on pedal.
- Place attachment clutch lever in "DISENGAGED" Position.
- Move gear shift lever to "NEUTRAL" position.
- Place parking brake in "ENGAGED" position and release pressure from clutch/brake. Pedal should remain in "BRAKE" position.
- Move throttle control to "S" (slow) position.
- Turn ignition key to "OFF" position. Never use choke to stop engine.

2. Preparing The Engine



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

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



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

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

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

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

3. Starting The Engine

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

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

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



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

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



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



CAUTION TO AVOID INJURY

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

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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

OPERATION

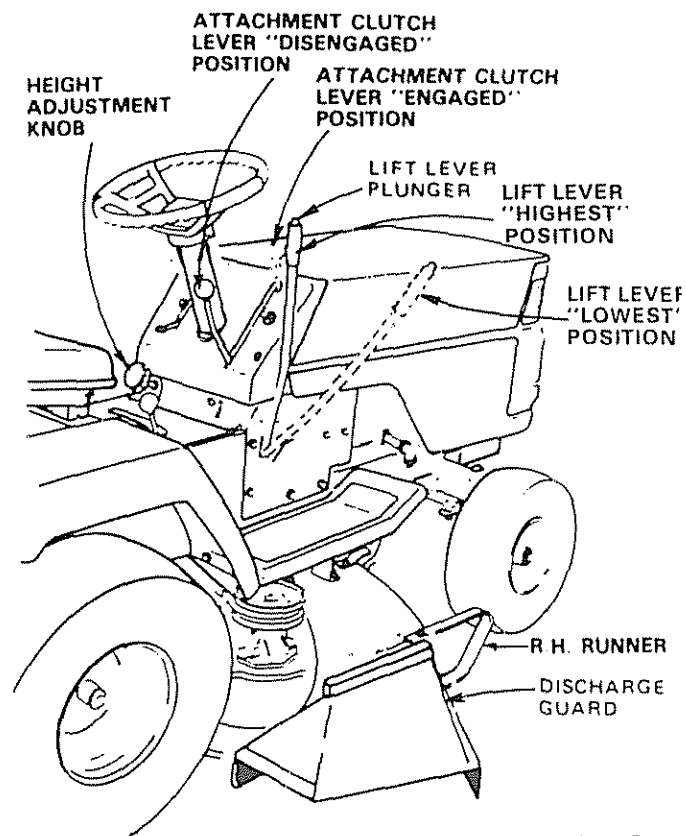


FIGURE 8

4. Operating Your Lawn Tractor & Mower



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

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

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

OPERATION

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

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

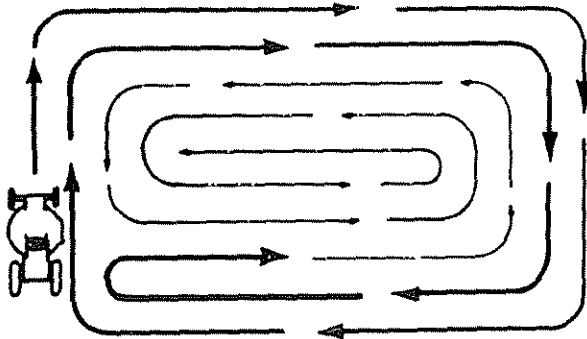


FIGURE 9

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

5. Mowing Tips

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

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

6. Operating The Tractor On Hills



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 47.

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



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

- d. If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position.
- e. To restart tractor movement, make sure tractor is in the lowest speed range ("1st" Gear) and release clutch-brake pedal SLOWLY.
- f. Make all turns gradually.

MAINTENANCE

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

With Every Mowing

1. Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure.
2. Observe all safety precautions.
3. Keep tractor well lubricated (refer to page 17).



BEFORE MAKING ANY INSPECTION, ADJUSTMENT, OR REPAIR:

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

SERVICE RECORD

(Enter Date Maintenance Performed)

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

REPAIR AND ADJUSTMENT

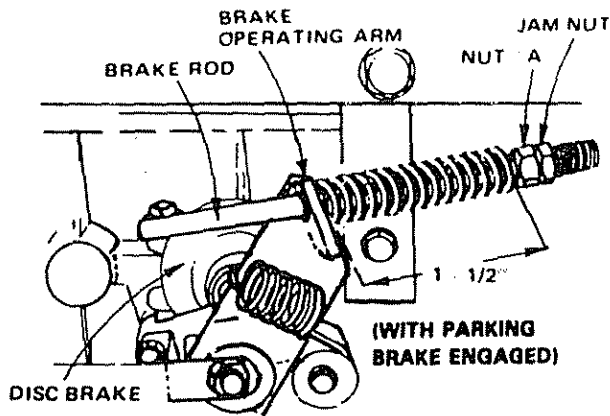


FIGURE 10

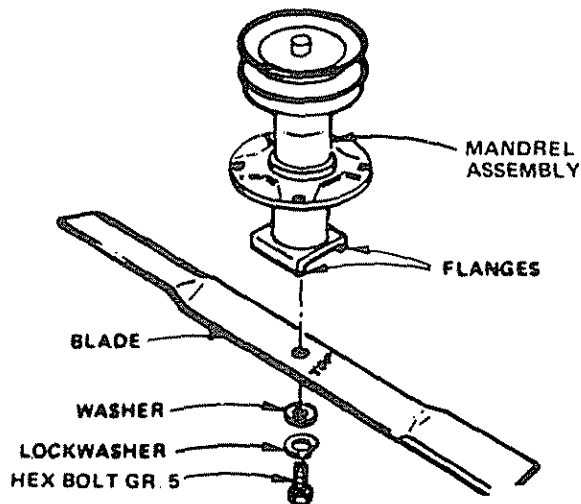
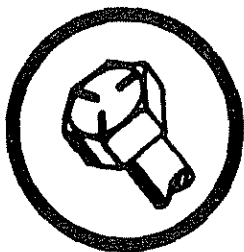


FIGURE 11



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

1. Brake Adjustment

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



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

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-1/2", disengage parking brake, loosen jam nut (Fig. 10) and turn nut "A" until distance becomes 1-1/2", Retighten jam nut against Nut "A".

Road test tractor for proper stopping distance as stated above. Readjust if necessary.

2. Tire Care

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

3. Blade Care

For best results mower blades must be kept sharp. The blades can be sharpened with a few strokes of a file, or on a grinding wheel. We suggest they be sharpened after every 25 hours of mowing. Do not attempt to sharpen while on mower. If you mow in sandy soil check the blades after each two mowings. The sand wears the blade away rapidly.

a. Blade Replacement

Raise mower to highest position to permit access to blades.

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



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

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

REPAIR AND ADJUSTMENT

- c. To check blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place center hole of clean blade over the head of the nail (Fig. 12). NOTE: CENTER HOLE OF BLADE ON NAIL, IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 12. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED. SHARPEN THE HEAVY END UNTIL BLADE IS BALANCED.

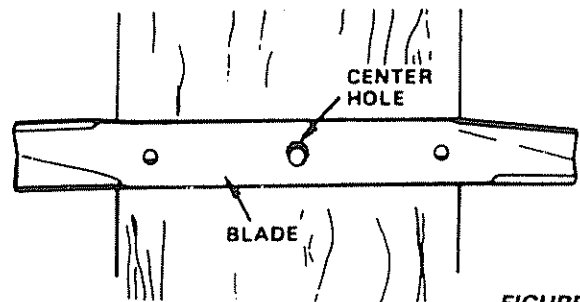


FIGURE 12

4. BATTERY CARE

Check Battery

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

Clean Battery and Terminals

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

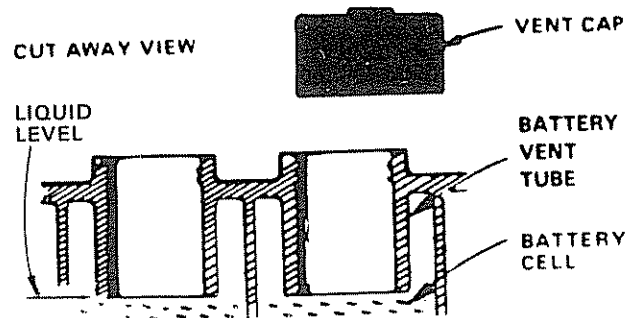


FIGURE 13



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

- Remove terminal guard.
- Disconnect BLACK battery cable, then RED battery cable, and remove battery from tractor.
- Wash battery with four tablespoons of baking soda to one gallon of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS.
- 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 vasoline after installation of cables.
- Replace terminal guard.

REPAIR AND ADJUSTMENT

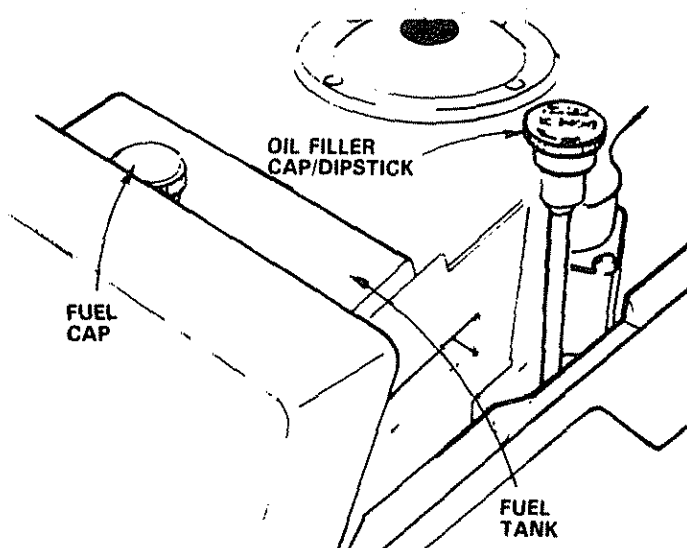


FIGURE 14

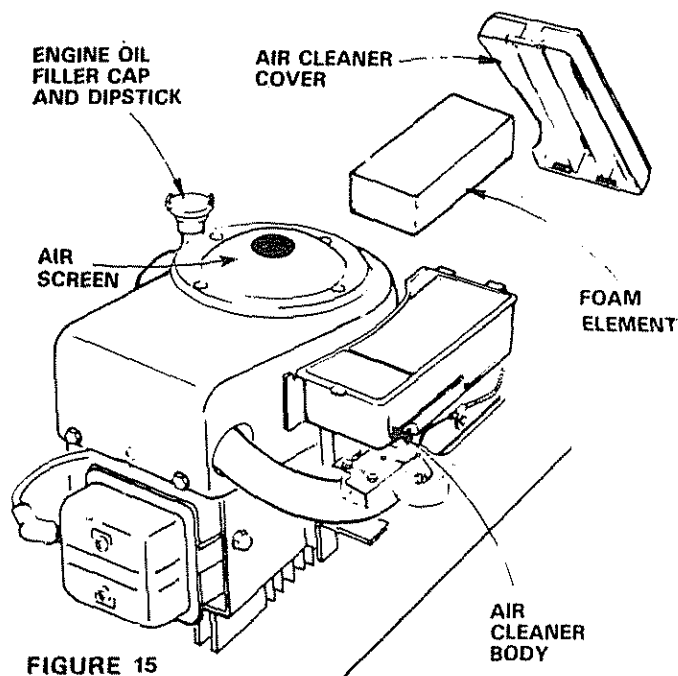


FIGURE 15

5. Change Engine Oil

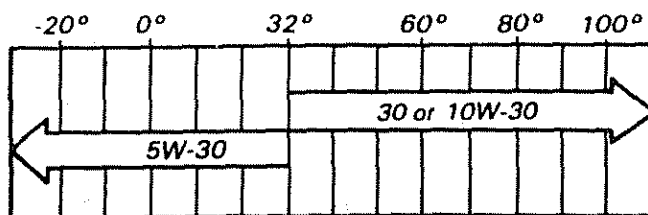
The best time to change engine oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot oil.

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

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

Recommended SAE Viscosity Grades

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



6. Check Engine Oil Level

NOTE: DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

Several minutes after stopping engine, check engine oil level with tractor on level ground. Wipe dipstick (Fig. 14) clean, screw it down tight for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark is reached. (See chart above). **NOTE: DO NOT OVERFILL.**

7. Clean Air Cleaner Element (Fig. 15)

- Open hood.
- Snap off air cleaner cover.
- Remove foam element from air cleaner body.
- Wash foam element in liquid detergent and water to remove dirt.
- Wrap foam element in cloth and squeeze dry.
- Saturate foam in clean engine oil. Squeeze to remove excess oil.
- Replace foam element and snap cover on air cleaner body.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

8. Clean Air Screen and Engine Cooling Fins



ALWAYS WEAR EYE AND FACE PROTECTION WHEN USING COMPRESSED AIR.

Air screen and cooling fins (Figs 15 and 16) 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.

- Remove hood (page 20).
- Snap off air cleaner cover (Fig 15)
- Remove 3 screws securing air cleaner body (Figs 15 and 16) and remove. (Cover carburetor to prevent entry of dirt)
- Remove oil dipstick and cover opening to prevent entry of dirt.
- Remove 3 screws from blower housing and lift housing off engine (Fig. 16)
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins (Fig. 16) and air screen (Fig 15).
- To reassemble, reverse above procedure.
- Be certain carburetor tube, breather tube, and gaskets are in place (Fig. 16).

Be certain carburetor tube, breather tube, and gaskets are in place (Fig. 16).

REPAIR AND ADJUSTMENT

9. Check Muffler

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



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

10. Lubricate Pivot Points

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

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

See Lubrication Chart page 24.

11. Starting your Tractor With a Weak Battery

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

NOTE: YOUR TRACTOR IS EQUIPPED WITH A 12 VOLT NEGATIVE 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. 17)
- Connect one end of the BLACK cable to the NEGATIVE (-) terminals of fully charged battery.
- Connect the other end of the cable to the L.H. side panel bolt (Fig. 18) **NOTE: KEEP AWAY FROM GAS TANK AND BATTERY.**
- Disconnect cables in reverse order:
 - L.H. Side Panel Bolt (Fig. 18)
 - Negative terminals of fully charged battery
 - Positive terminals



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

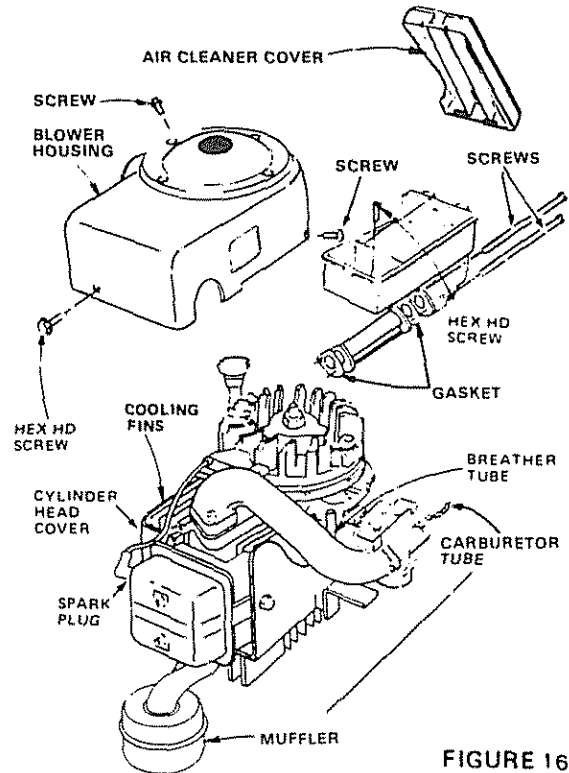


FIGURE 16

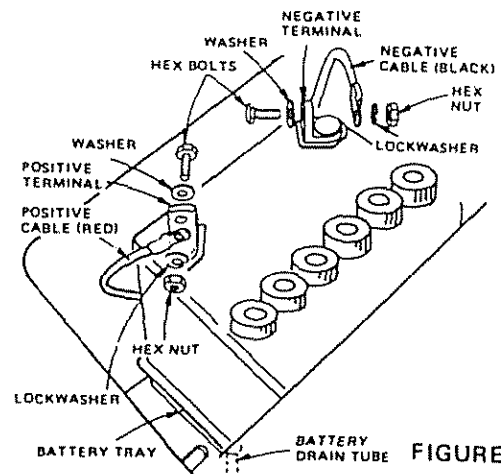


FIGURE 17

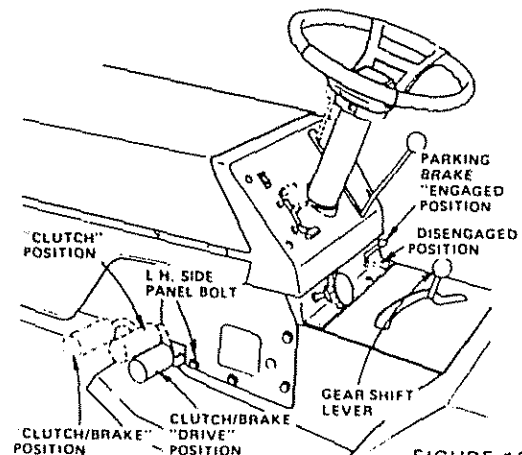


FIGURE 18

REPAIR AND ADJUSTMENT

12. Throttle Control Cable Adjustment

DO NOT MAKE UNNECESSARY ADJUSTMENTS. FACTORY SETTINGS ARE SATISFACTORY FOR MOST APPLICATIONS AND CONDITIONS. IF ADJUSTMENTS ARE NEEDED, PROCEED AS FOLLOWS:

- Make sure air cleaner is clean (see page 18)
- With engine not running, place throttle control in "FAST" detent (not in "CHOKE" position).
- Check that hole in throttle lever and hole in plate line up (Fig. 27 - Inset). If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw.
- If holes do not align, repeat steps in throttle cable adjustment.

13. Carburetor Adjustment

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

- With engine not running, turn mixture screw clockwise (↻) LIGHTLY to seat. CAUTION: FORCING WILL CAUSE DAMAGE. Turn mixture screw counterclockwise (↺) one turn.
- Start engine and allow to idle for five minutes.



REFER TO "STARTING THE ENGINE" PAGE 10.

- Turn mixture screw clockwise (↻) until the engine speed drops. NOTE THE SCREW POSITION.
- Turn mixture screw counterclockwise (↺) until the engine begins to run rough. Set mixture screw between the two positions.
- Push throttle lever to "FAST" detent (not "CHOKE"). If engine runs rough make small adjustments on mixture screw until engine runs smoothly.
- If engine idles too fast or too slow, adjust idle with idle speed stop screw.
- High speed stop is factory adjusted. DO NOT ADJUST - DAMAGE MAY RESULT.

14. Replace Spark Plug

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

15. Adjust Valves on Engine

After approximately 200 hours of operation, the engine valves will require adjustment. It is suggested that a Sears Service Center do this work. Correct settings are: Intake - .002, Exhaust - .004.

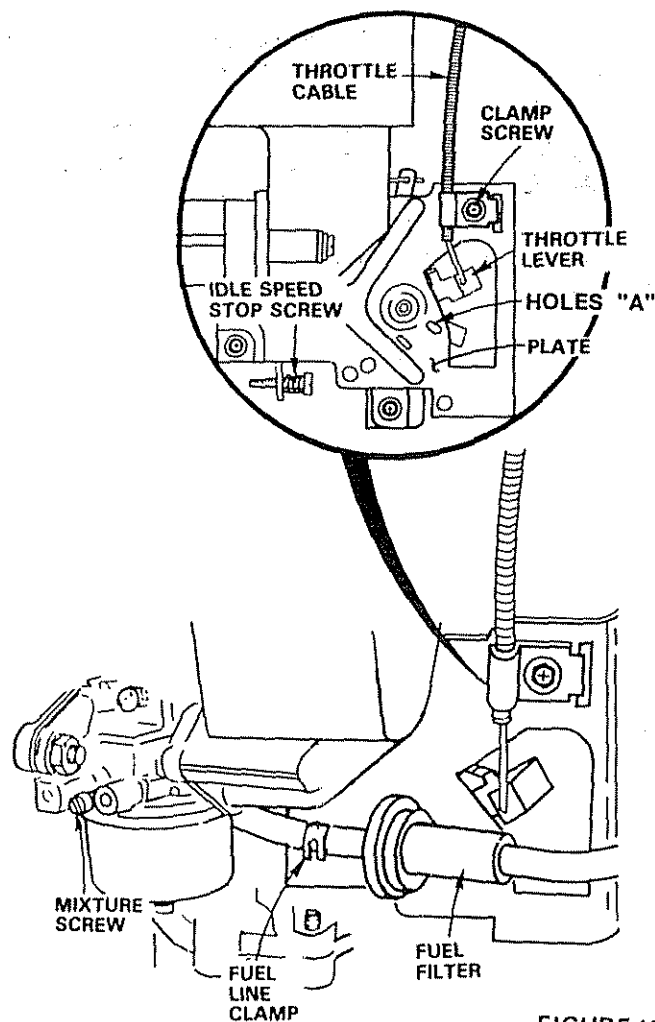


FIGURE 19

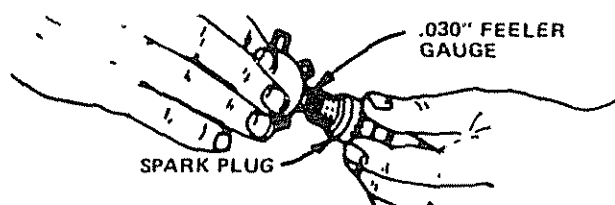


FIGURE 20

REPAIR AND ADJUSTMENT

16. Motion Drive Belt Removal

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

- a. Remove mower. (See mower section, Following page 20).
- b. Remove two retainer springs from belt guide bracket below transaxle pulley. Remove bracket (Fig. 21).
- c. Swing belt guides away from belt, toward rear of tractor (Fig. 21).
- d. Roll belt over top of transaxle pulley.
- e. Roll belt over engine pulley and off idler (Fig. 22).
- f. Release parking brake. Pull belt as far as possible over top of clutch pulley.
- g. Reset parking brake. Pull belt over top of clutch pulley (Fig. 22).
- h. Pull belt out through shift gate to remove from tractor (Fig. 23).
Install belt by reversing above procedure.

NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.

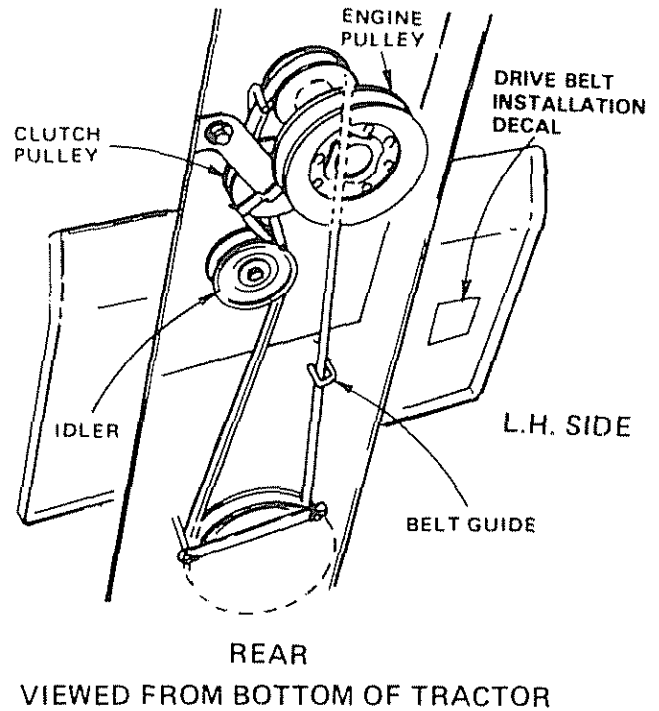


FIGURE 22

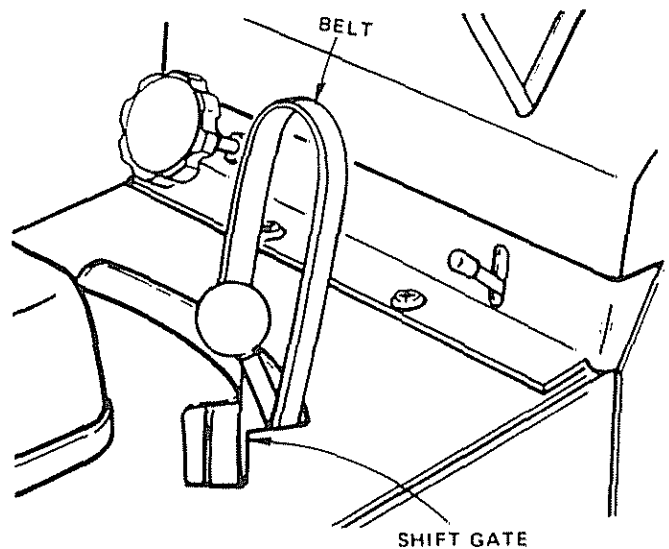


FIGURE 23

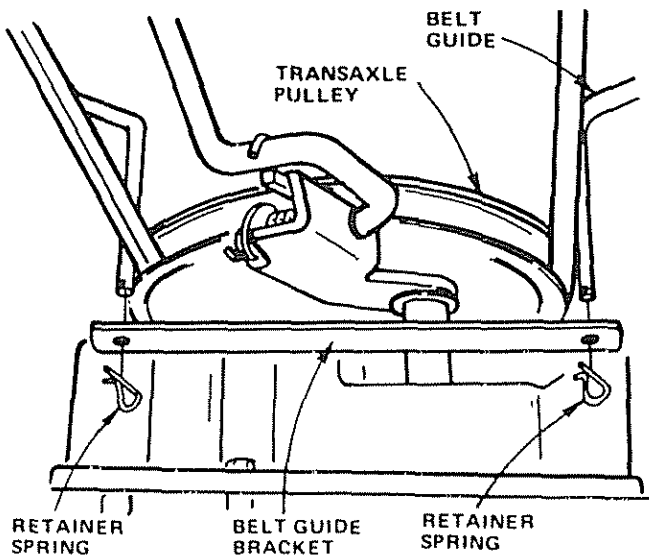


FIGURE 21

REPAIR AND ADJUSTMENT

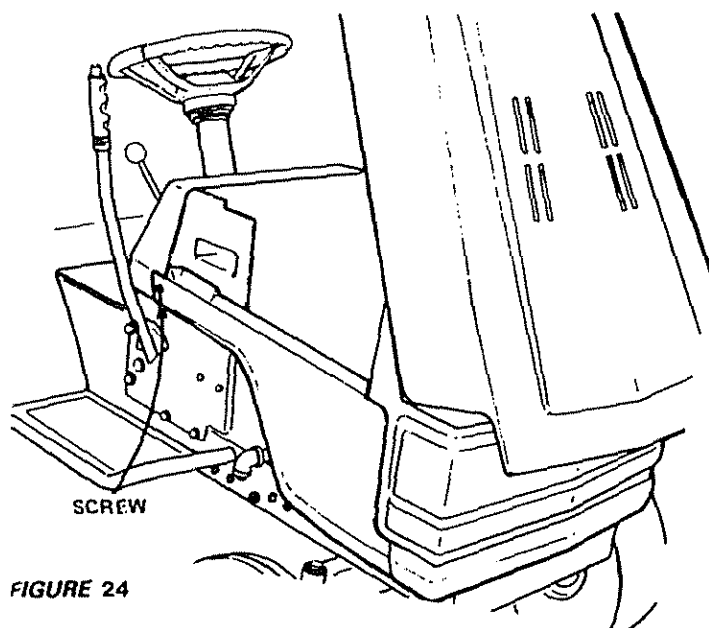


FIGURE 24

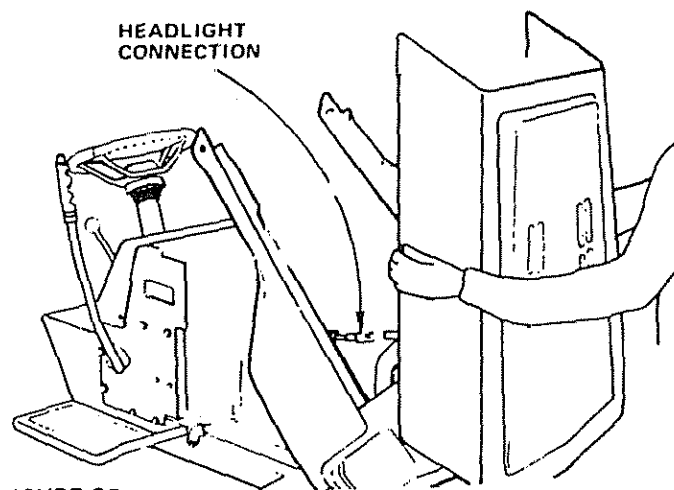


FIGURE 25

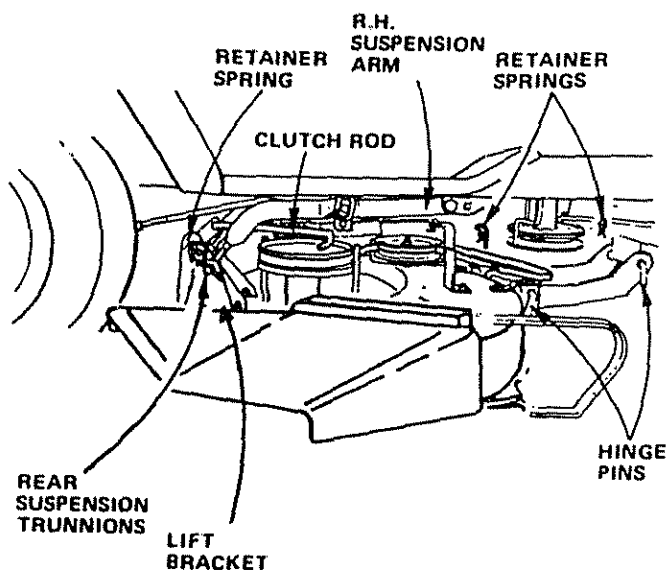


FIGURE 26

17. Fuse Replacement

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

18. Hood Removal

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

19. Mower Removal

- a. Remove mower belt per instructions under "Mower Drive Belt Removal" through step(c).
- b. Remove retainer spring from clutch rod; pull clutch rod out of clutch bracket.(Fig. 26)
- c. Pull retainer springs out of rear suspension trunnions. Remove rear suspensions trunnions from lift brackets (Fig. 26).
- d. Pull retainer spring out of rear hinge pin. Remove rear hinge pin.(Fig. 26)
- e. Pull retainer spring out of front hinge pin. Remove front hinge pin (Fig.26).
- f. Use lift lever to raise suspension arms. Slide mower out from under tractor.

NOTE: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, THE L.H. AND R.H. SUSPENSION ARMS (FIG. 26) SHOULD BE REMOVED FROM TRACTOR.

REPAIR AND ADJUSTMENT

20. Mower Installation

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

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

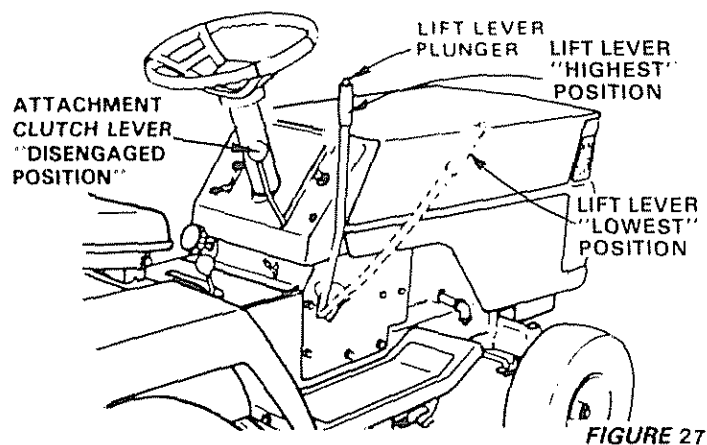


FIGURE 27

21. Mower Drive Belt Removal

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL.

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

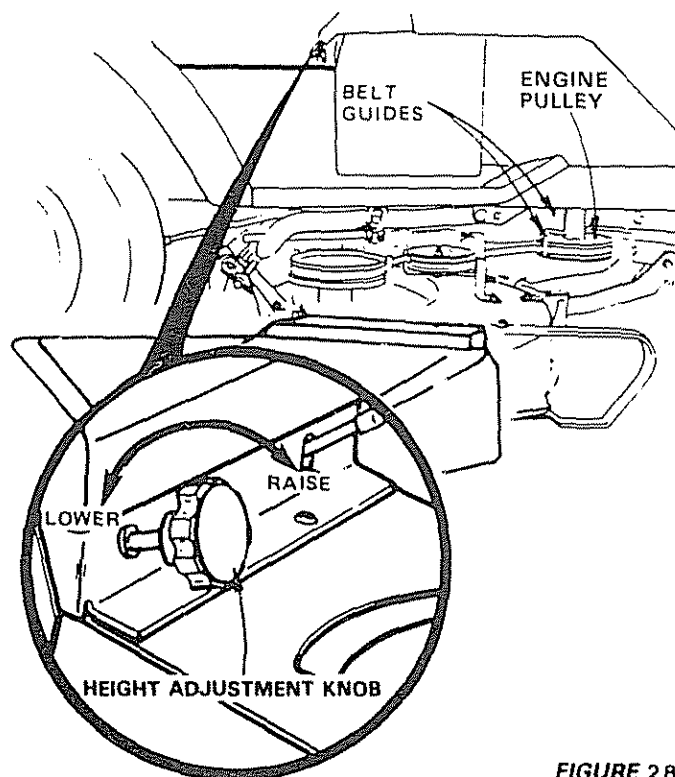


FIGURE 28

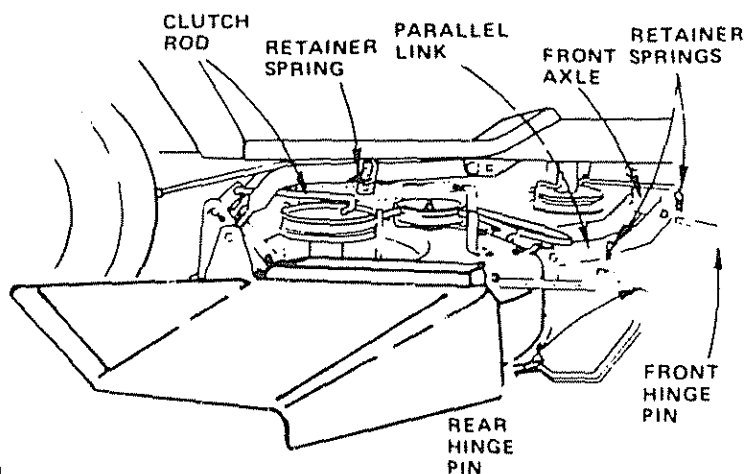


FIGURE 29

REPAIR AND ADJUSTMENT

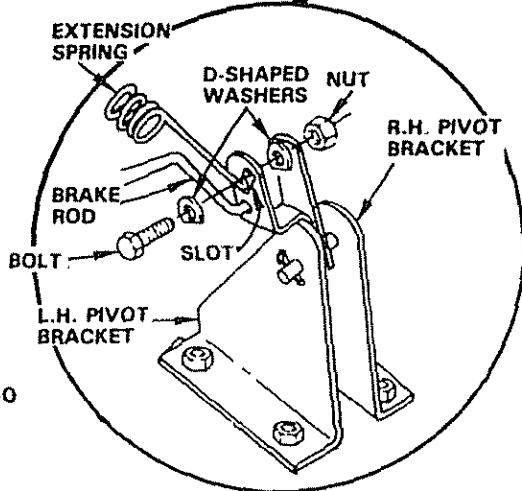
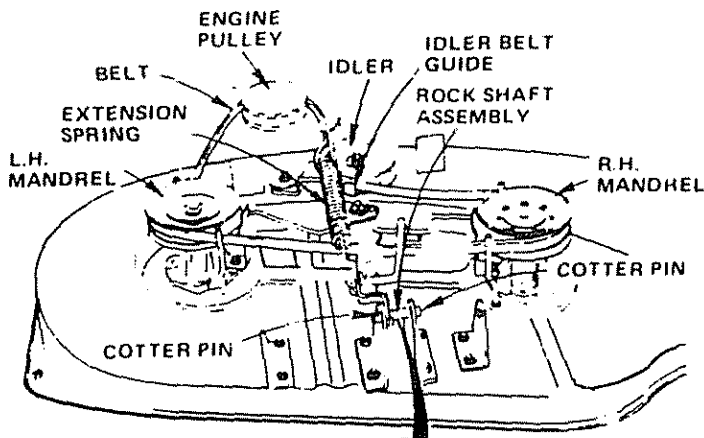


FIGURE 30

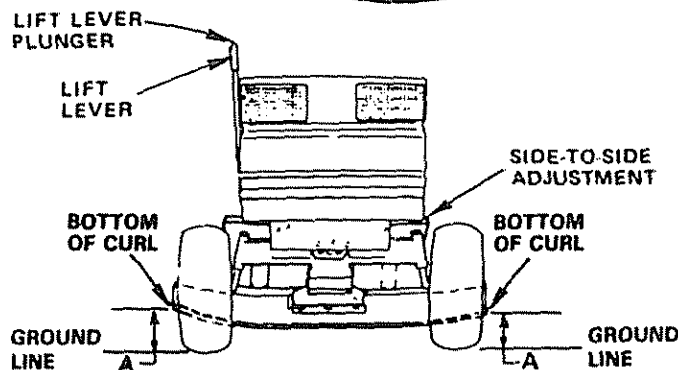


FIGURE 31

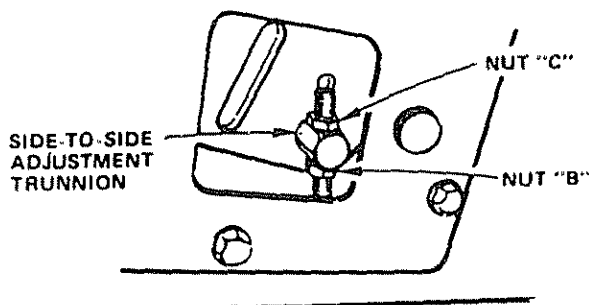


FIGURE 32

22. Mower Drive Belt Replacement

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

23. 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.

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

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

24. Level Mower Housing

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

Side-to-Side Mower Adjustment

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

REPAIR AND ADJUSTMENT

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

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

Front-To-Rear Mower Adjustment

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

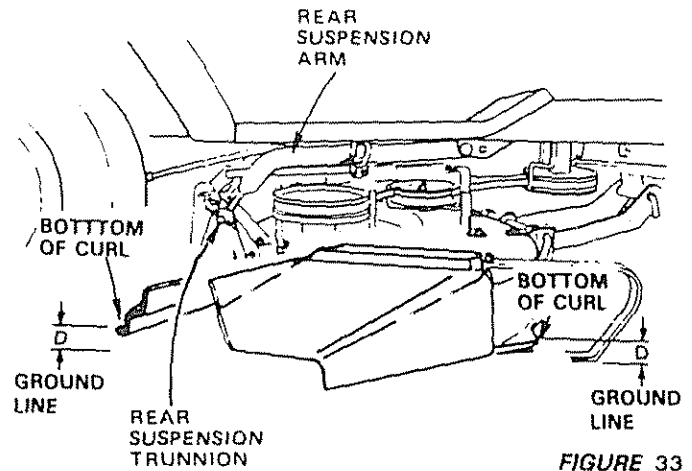


FIGURE 33

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

25. 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

NOTE: GASOLINE STORAGE STABILIZER (SUCH AS STA-BIL) MUST BE ADDED TO GASOLINE WHEN STORING UNIT. SUCH AN ADDITIVE WILL MINIMIZE FUEL GUM DEPOSITS PREVENTING A CLOGGED FUEL SYSTEM.

Run engine 10 minutes after adding STA-BIL to gasoline to allow additive to reach carburetor.

It is important to prevent gum deposits from forming in essential fuel system parts such as the carburetor, fuel filter, fuel hose, or tank during storage. Also, experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer.

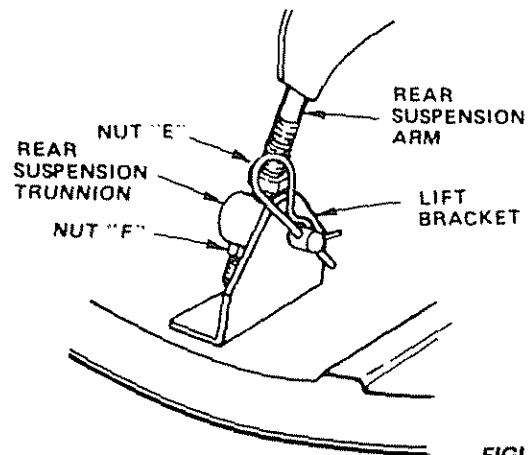


FIGURE 34

B. Engine Oil

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

C. Cylinder

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

D. Battery

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

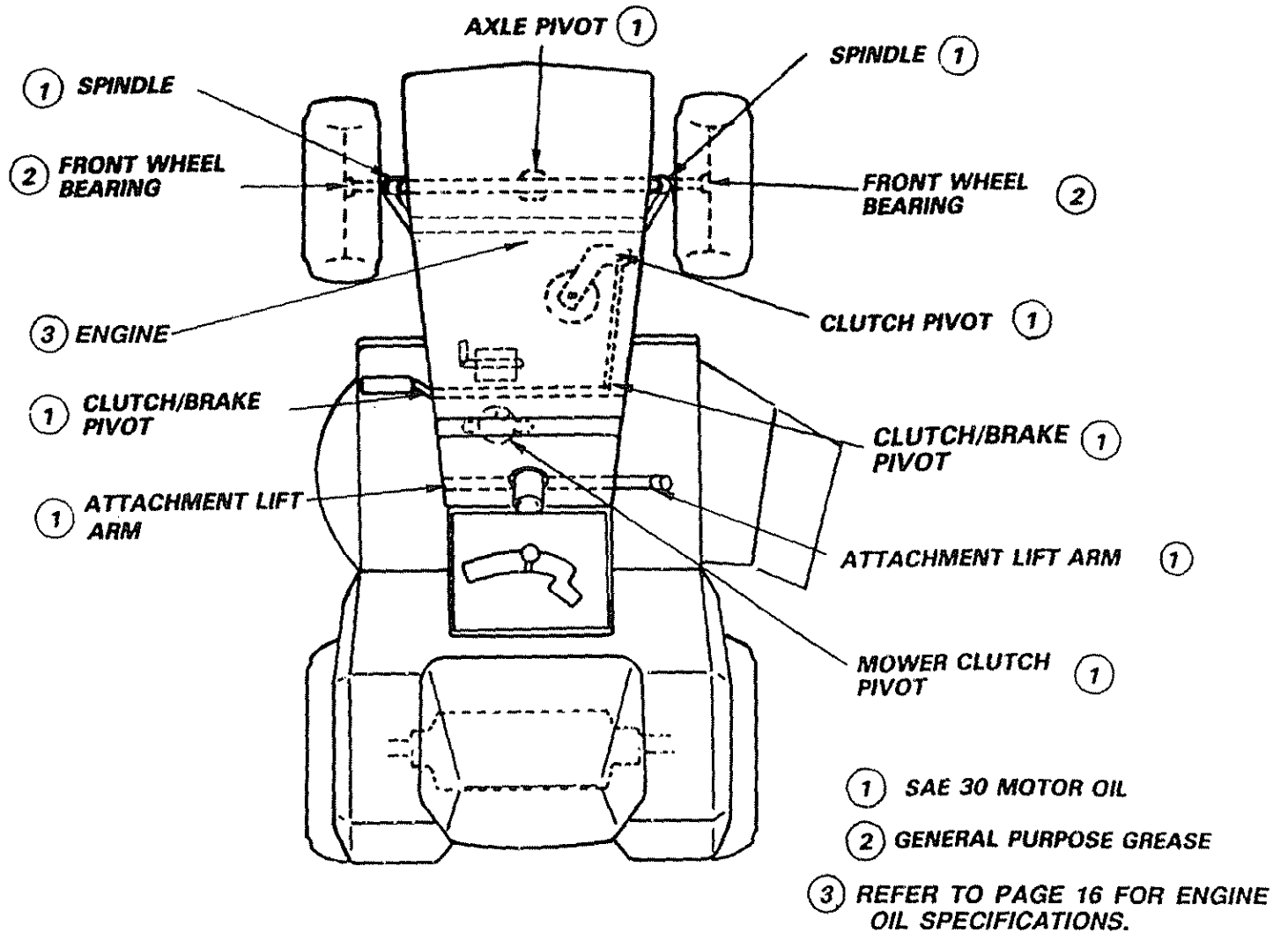
E. General Cleaning

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

F. Store in a clean, dry area.

REPAIR AND ADJUSTMENT

LUBRICATION CHART



TROUBLESHOOTING

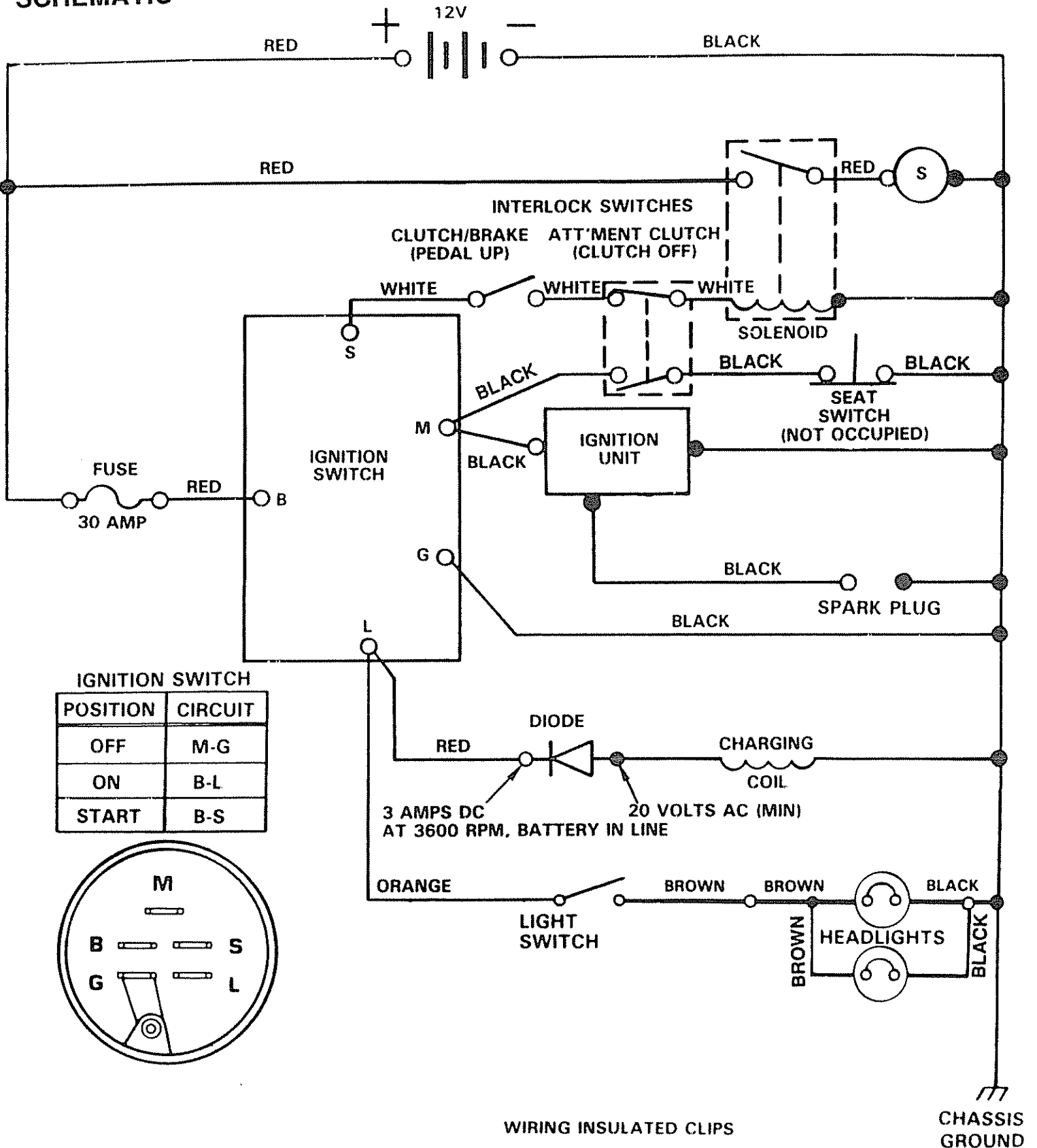
PROBLEM	CAUSE/REMEDY (SEE INDEX)
WILL NOT START	<p><i>Push Clutch/Brake Pedal into Brake Position. Move Attachment Clutch Lever to "Disengaged Position Fill Fuel Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary) Replace Fuel Filter Check fuse for fault and replace Recharge or replace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

TROUBLESHOOTING

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

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

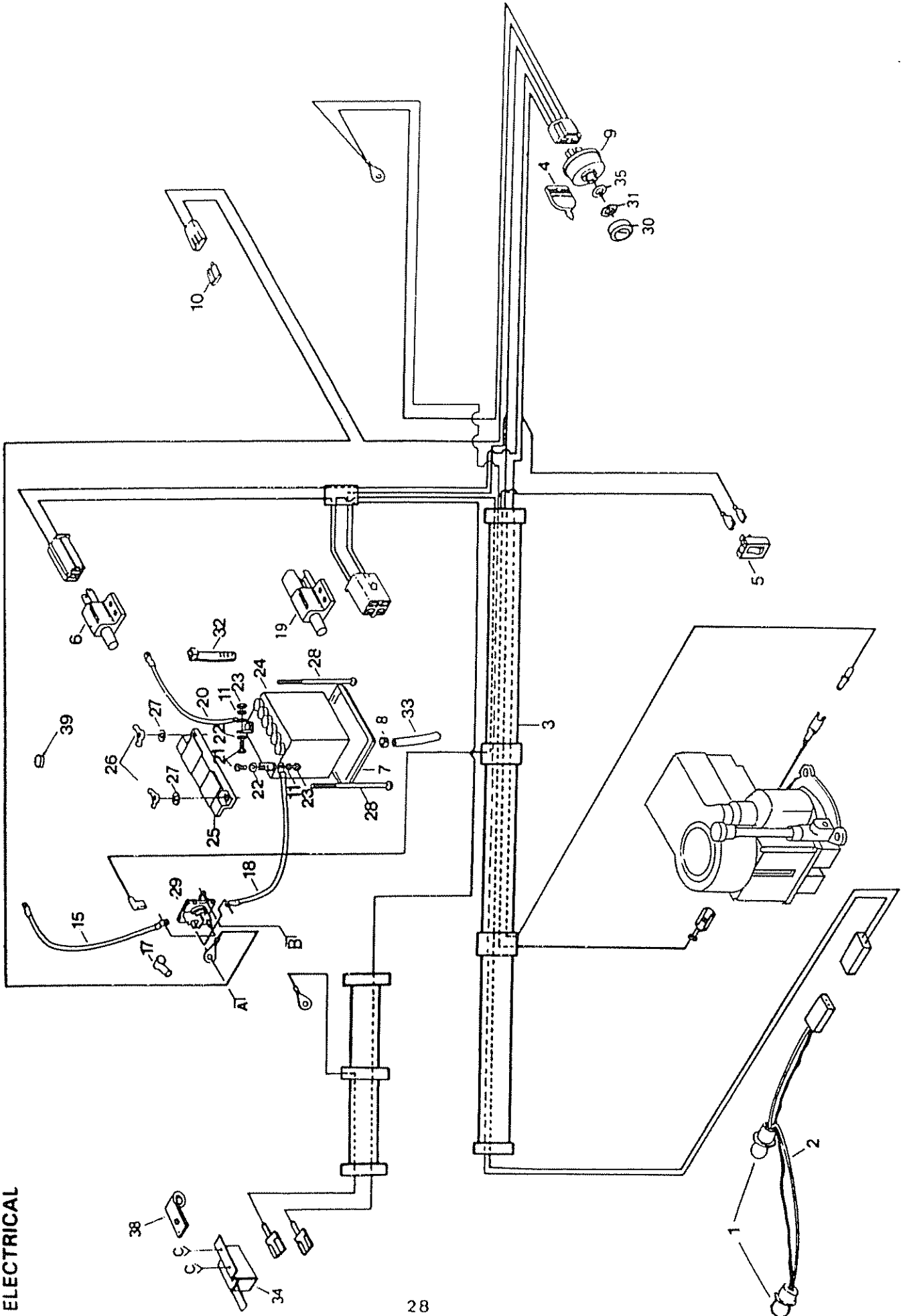
SCHEMATIC



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
12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244
ELECTRICAL

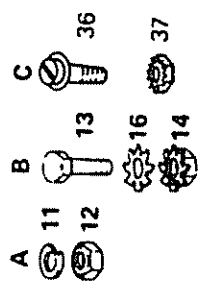


REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7662J	Bulb, Light	17	719J	Cover, Terminal
2	110859X	Harness, Light Socket	18	5114J	Cable, Battery
3	120309X	Harness, Ignition	19	109553X	Switch-Interlock
4	109310X	Key, Molded	20	4207J	Cable, Battery
5	110712X	Switch, Light	21	STD522507	* Bolt, Hex, 1/4 - 20 x 3/4
6	104445X	Switch, Interlock	22	STD551025	* Washer 9/32 x 5/8 x 16 Ga.
7	7603J	Tray, Battery	23	STD541025	* Nut, Hex 1/4 - 20
8	109596X	Clamp, Hose	24	9272R	Battery, 12V., Seats (includes electrolyte)
9	STD365402	Switch, Ignition	25	102476X	Terminal Guard
10	108824X	Fuse, 30 Amp.	26	STD541625	* Wing Nut 1/4-20
11	STD551125	* Washer, Lock, 1/4	27	11030400	Int/Ext. Tooth Lockwasher 1/4
12	STD541225	* Nut, Hex Jam 1/4 - 20	28	72240460	Bolt - Rd. Hd. Sq. Nk. 1/4 - 20 x 7-1/2
13	STD522505	* Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	29	109081X	Solenoid
14	73510400	Nut, Keps 1/4 - 20	30	109787X	Bezel - Ignition
15	108423X	Cable Assembly	31	109788X	Nut, Ignition
16	11050400	Washer Lock, Ext. Tooth, 1/4	32	7192J	Cable Tie
			33	105687X	Tube, Plastic
			34	121064X	Switch - Seat
			35	19221616	Washer 11/16 x 1 x 16 Ga.
			36	74641008	Screw - Slotted Pan Hd. #10-32 x 1/2
			37	73951000	Nut - Keps #10-32 x 1/2
			38	4171R	Clip - Insulated
			39	120353X	Battery Caps Set
			---	101539X	Sheet - Instruction, Tractor 15° Slope
			---	120586X	Owners Manual

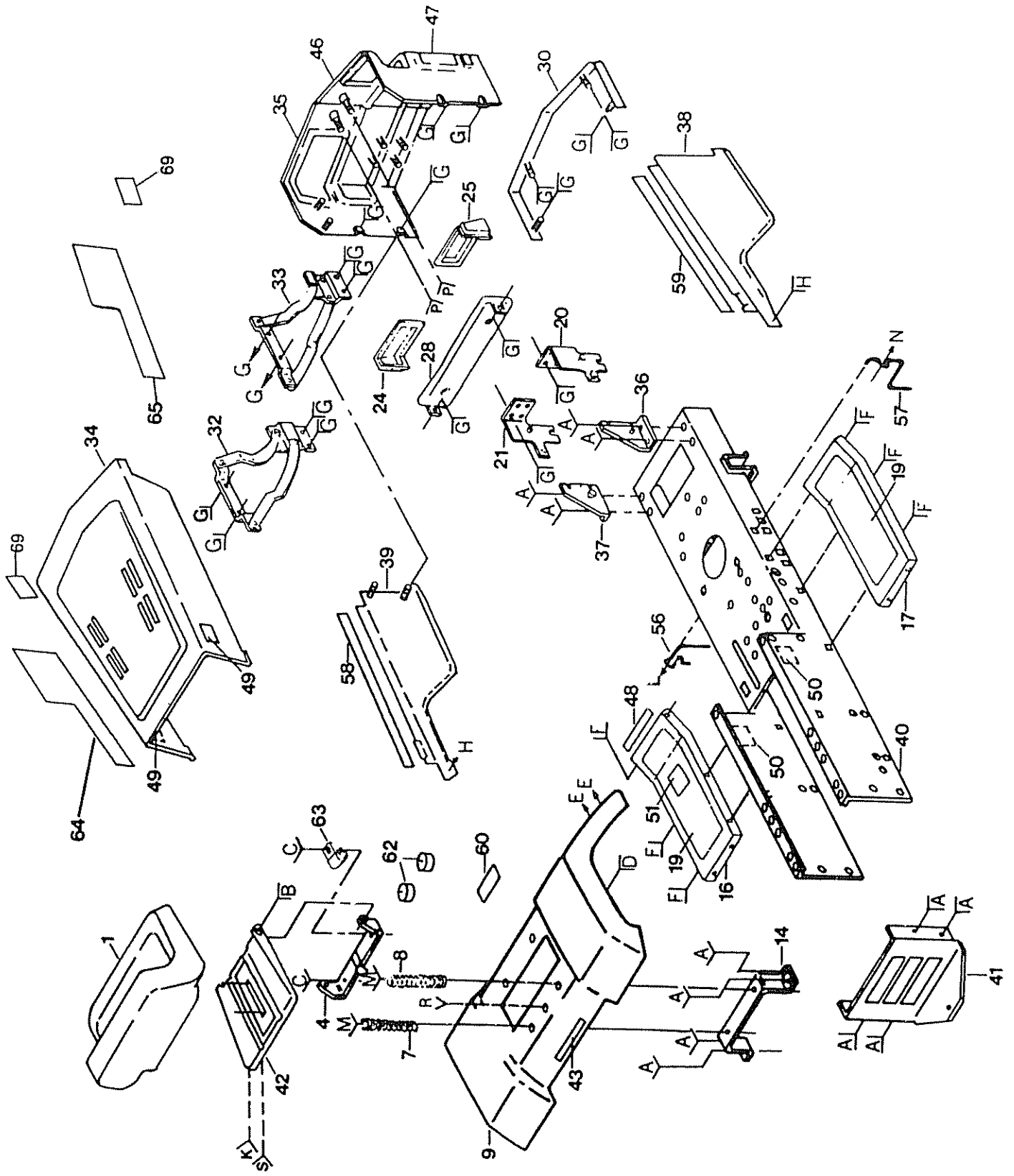


* STANDARD HARDWARE--PURCHASE LOCALLY

REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

ENCLOSURE



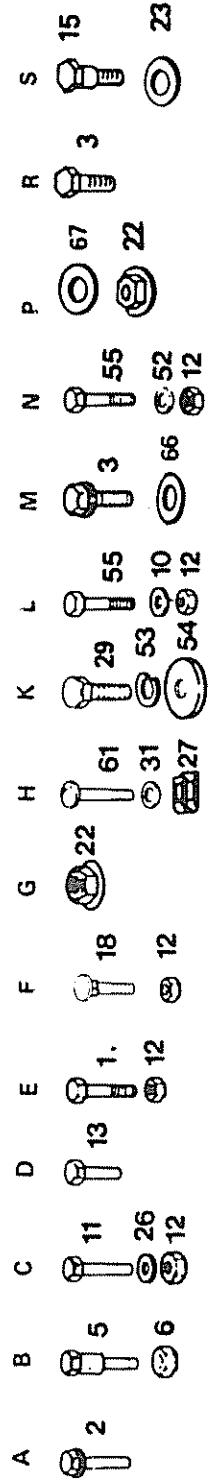
REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

ENCLOSURE

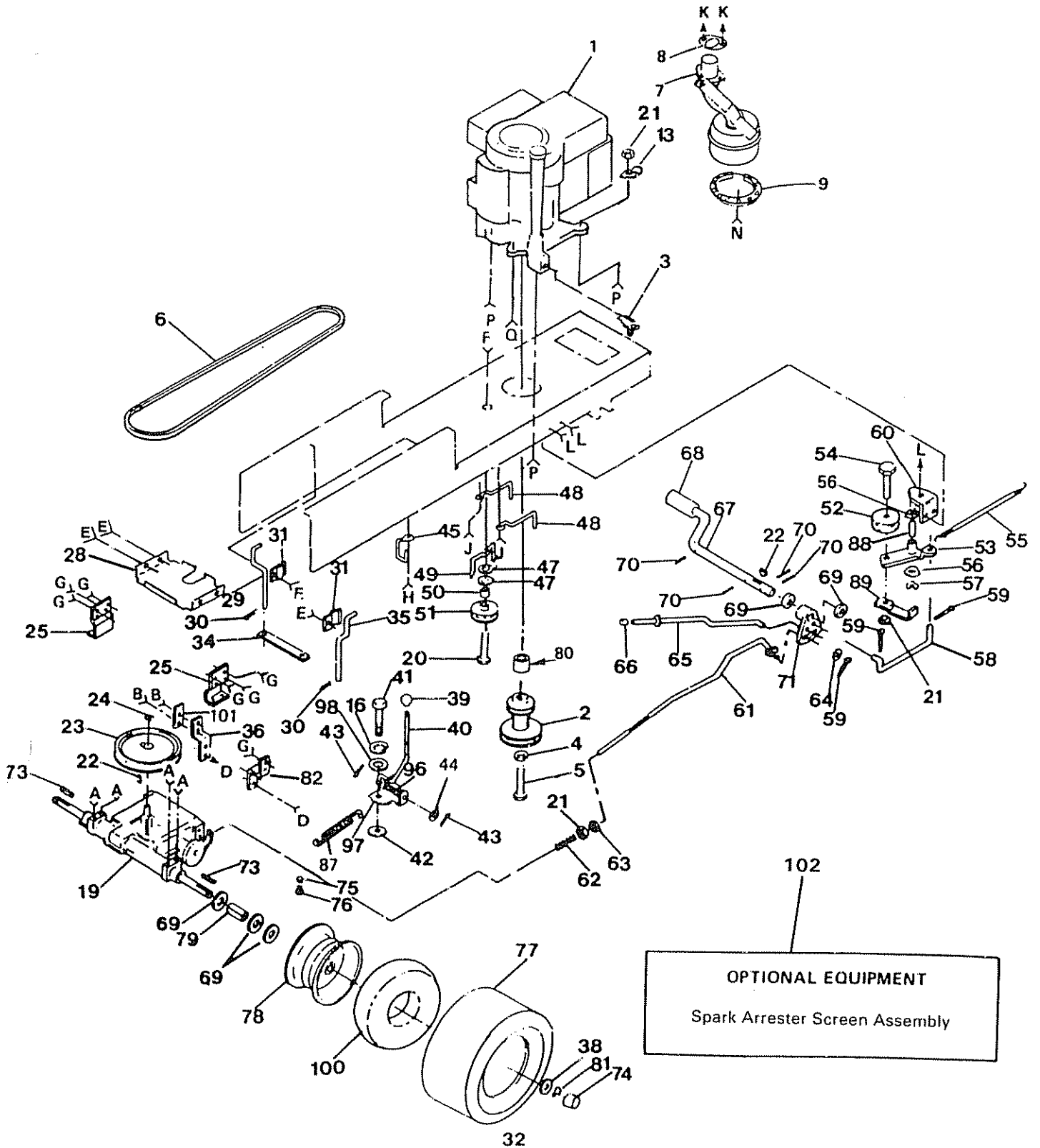
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120039X	Seat	33	105792X	Hinge, Hood, R.H.
2	17490612	Screw, Hex Washer Thd. Roll 3/8-16 x 3/4 Type TT	34	105682X	Hood Assembly
3	17490616	Screw, Hex Washer Thd. Rolling 3/8-16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	108500X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16-18	37	108501X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16-18	38	106927X	Side Panel, R.H.
7	121068X	Spring - Compression L.H.	39	106929X	Side Panel, L.H.
8	121067X	Spring - Compression R.H.	40	109512X	Chassis Assembly
9	109872X	Fender	41	102481X	Drawbar
10	19131312	Washer 13/32 x 13/16 x 12 Ga.	42	121069X	Pan - Seat
11	STD523707	*Bolt, Hex, 3/8-16 x 3/4	43	105801X	Decal - Fender
12	73680600	Nut, Lock 3/8-16	46	105806X	Decal, Grill Craftsman
13	17490608	Screw, Hex Washer Thd. Roll 3/8-16 x 1/2	47	105807X	Decal, Grill, Stripe
14	109873X	Bracket, Fender	48	4900J	Decal, Clutch/Brake
15	121094X	Bolt - Shoulder 5/16-18	49	110010X	Decal, 12 H. P.
16	105465X	Footrest, L.H.	50	108428X	Decal, 6 Speed, 38"
17	105464X	Footrest, R.H.	51	109199X	Decal, V-Belt Schematic
18	STD533707	*Bolt, Carr. 3/8-16 x 3/4	52	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
19	105466X	Pad, Footrest	53	STD551150	Lockwasher 1/2
20	108504X	Bracket, Pivot, Grill, R.H.	54	19171912	Washer 17/32 x 1-3/16 x 12 Ga.
21	108505X	Bracket, Pivot, Grill, L.H.	55	STD523710	*Bolt, Hex 3/8-16 x 1
22	108067X	Pal Nut 1/4-20	56	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
23	19151616	Washer 15/32 x 1 x 16 Ga.	57	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
24	108361X	Lens, L.H.	58	106811X	Decal - Stripe, Side Panel, L.H.
25	108360X	Lens, R.H.	59	106812X	Decal - Stripe, Side Panel, R.H.
26	19131210	Washer 13/32 x 3/4 x 10 Ga.	60	106974X	Decal - OPEI, Caution
27	106911X	Clip	61	106909X	Screw - Special
28	110897X	Bezel, Headlight	62	121093X	Cap - Spring
29	74780816	Bolt, Hex 1/2 - 13 x 1	63	2751R	Clip
30	109745X	Strap Assembly - Grill	64	105802X	Decal, Stripe, L.H.
31	106910X	Washer	65	105803X	Decal, Stripe, R.H.
32	105797X	Hinge, Hood, L.H.	66	19131614	Washer 13/32 x 1 x 14 Ga.
			67	19091216	Washer 9/32 x 3/4 x 16 Ga.
			69	108631X	Decal II

*STANDARD HARDWARE -- PURCHASE LOCALLY



REPAIR PARTS

DRIVE 12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244



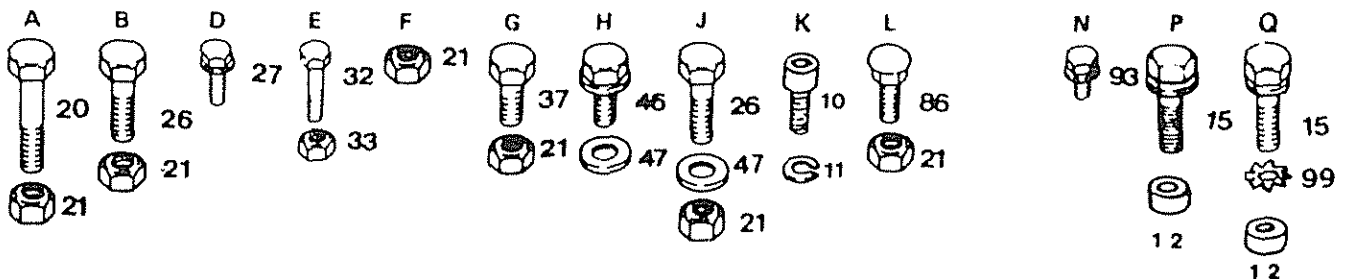
REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	120358X	Engine, 12 H.P. Tecumseh Model No. 143.386012	49	109070X	Retainer Belt
2	105731X	Pulley, Engine	50	4470J	Spacer
3	120374X	Valve, Drain Oil	51	4859J	Idler, Flat
4	STD551143	*Washer, Lock 7/16	52	106298X	Pulley, Idler
5	74770728	Bolt, Hex 7/16 - 20 x 1-3/4	53	105705X	Bellcrank Assembly (Inc. Key No. 88)
6	120302X	V-Belt, Drive	54	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
7	108835X	Muffler	55	105709X	Spring, Return, Clutch
8	2949F	Gasket	56	110812X	Washer, Hardened
9	101326L	Deflector, Muffler	57	12000039	Ring, Klip
10	71070510	Hex Hd. Cap Screw 5/16-18 x 5/8	58	105710X	Link, Clutch
11	STD551131	Washer, Lock 5/16	59	76020412	Pin, Cotter 1/8 x 3/4
12	101200K	Spacer	60	105724X	Bracket, Clutch
13	2751R	Clip	61	109127X	Rod, Brake
15	17490628	Screw, Hex Washer Thd. Rolling 3/8-16x1-3/4	62	106888X	Spring, Rod, Brake
16	STD551125	*Washer, Lock 1/4	63	73350600	Nut - Jam 3/8 - 16
19	110195X	Transaxle Foots, 6 Speed, Model No. 4150-40 (see pages 40 and 41 for parts breakdown)	64	19131316	Washer 13/32 x 13/16 x 16 Ga.
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	65	105758X	Rod, Brake, Perking
21	73680600	Nut, Lock 3/8 - 16	66	71673	Cap - Plunger
22	STD580025	*Key, Woodruff #9 3/16 x 3/4	67	109037X	Shaft, Foot Pedal
23	105703X	Pulley, Transaxle	68	8883R	Cover - Pedal
24	12000028	Ring, Retainer	69	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
25	109167X	Bracket, Transaxle	70	STD571810	*Pin, Roll, 3/16 x 1
26	STD523710	*Bolt, Hex 3/8 - 16 x 1	71	106918X	Arm, Brake
27	17490512	Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4	73	STD580105	*Key, Square 3/16 x 2
28	108171X	Support, Battery	74	104757X	Cap, Hub, Rear
29	109368X	Keeper, Belt, L.H.	75	59192	Cap, Valve
30	4921H	Retainer, Spring	76	65139	Stem, Valve
31	106190X	Clamp	77	106268X	Tire, Rear - 18 x 9.50 x 8
32	STD523107	*Bolt, Hex 5/16 - 18 x 3/4	78	106108X	Rim Assembly, Rear
33	73680500	Nut, Lock 5/16 - 18	79	109502X	Spacer
34	109370X	Strap, Locator	80	6404J	Spacer, Engine Pulley
35	109369X	Keeper, Belt, R.H.	81	12000001	E-Ring
36	106157X	Strap, Torque, Transaxle	82	105842X	Strap, Torque, Transaxle
37	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	86	STD533707	*Bolt, Carriage 3/8 - 16 x 3/4
38	19252616	Washer 25/32 x 1 - 5/8 x 16 Ga.	87	110422X	Spring - Brake
39	106933X	Knob, Shift	88	105706X	Bearing
40	110458X	Rod, Shift	89	106499X	Retainer - Belt
41	71040412	Bolt - Hex 1/4-28 x 3/4	93	17450808	Screw - Spider Lock #8 x 1/2 1/2 AB
42	105701X	Washer - Shift, Plate	96	105700X	Spring
43	STD561210	*Cotter Pin, 1/8 x 1	97	106919X	Plate, Shift
44	19151216	Washer 15/32 x 3/4 x 16 Ga.	98	19091210	Washer 9/32 x 3/4x 10 Ga.
45	104777X	Retainer, Belt	99	11050600	Washer, Lock, Ext. Tooth 3/8
46	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	100	7152J	Tube, Tire (not furnished with tractor)
47	19131312	Washer 13/32 x 13/16 x 12 Ga.	101	106157X	Plate - Torque Strap
48	105730X	Keeper, Belt, Engine	102	677V1	Spark Arrester Screen Assembly

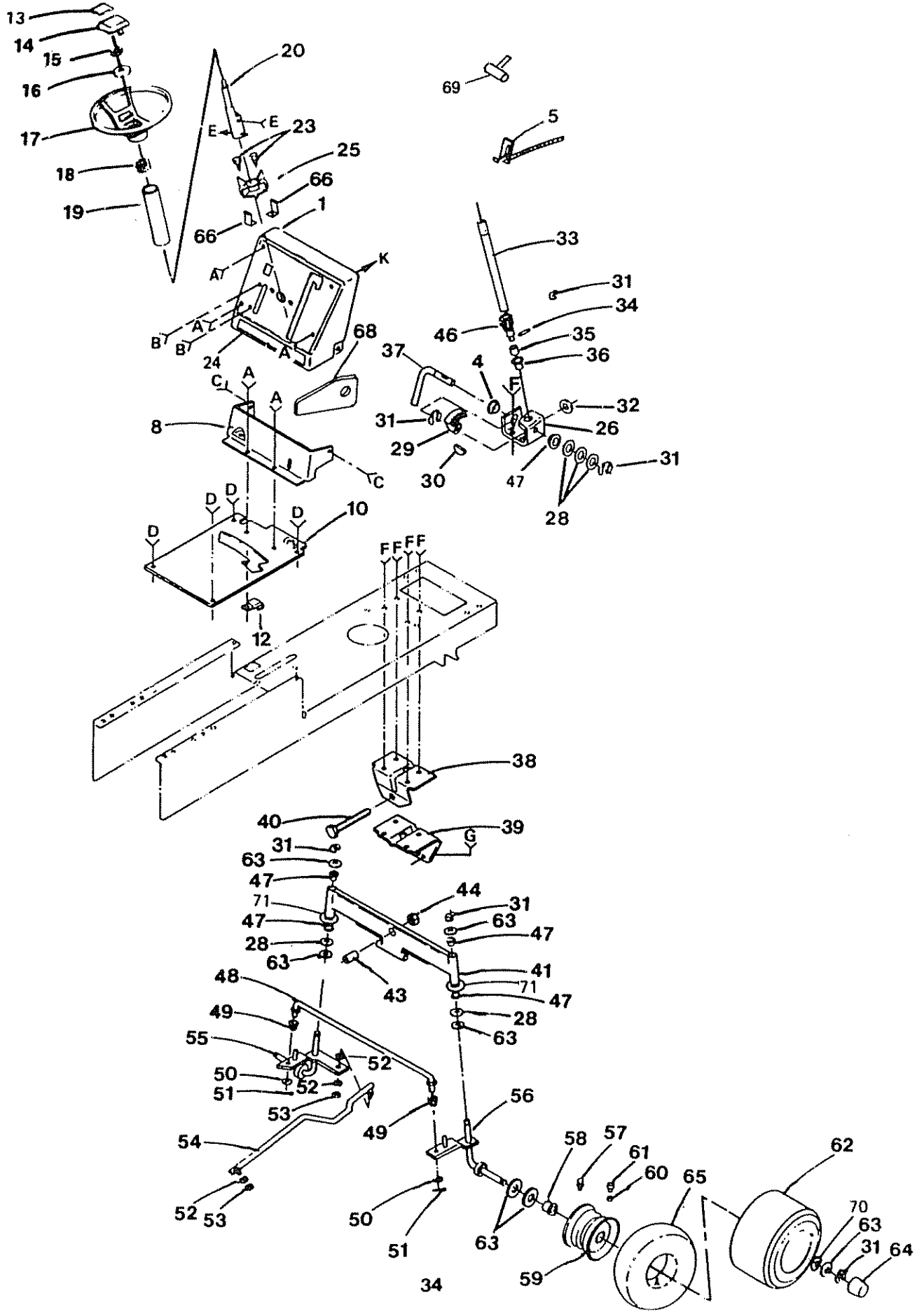
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

STEERING AND FRONT AXLE



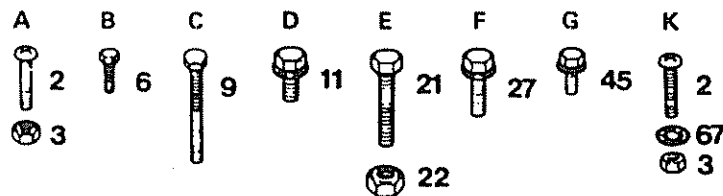
REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	109283X012	Dash	34	2882J	Pin - Drive 3/16 x 1
2	74180512	Screw - Truss Hd. Cross Recess 5/16 - 18 x 3/4	35	74580	Spacer .627 x .88 x .695
3	73510500	Nut - Keps 5/16 - 18	36	71208	Bushing
4	109816X	Nyliner, Snap In	37	108683X	Rod - Steering
5	120139X	Control - Throttle	38	105663X	Support - Saddle, Rear
6	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	39	105664X	Support - Saddle, Front
8	105621X	Dash - Lower	40	74761060	Bolt - Hex 5/8 - 11 x 3 - 3/4
9	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1/2	41	105669X	Axle - Front
10	110657X012	Saddle	43	110438X	Spacer, Bearing, Front Axle
11	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	44	73901000	Nut - Lock, Flange 5/8 - 11
12	2751R	Clip - Insulated	45	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
13	105810X	Decal - Cap, Steering Wheel	46	108685X	Gear, Pinion
14	100710L	Insert - Steering Wheel	47	3366R	Bearing
15	73940800	Nut - Hex Jam Lock 1/2 - 20	48	105715X	Rod - Tie
16	100712K	Washer	49	120382X	Bushing
17	100713N	Wheel - Steering	50	19131416	Washer 13/32 x 7/8 x 16 Ga.
18	100711L	Adapter - Steering Wheel	51	76020412	Pin - Cotter 1/8 x 3/4
19	109285X	Sleeve - Steering	52	STD551137	*Washer - Lock 3/8
20	105643X	Shaft - Steering Upper	53	STD541137	*Nut - Hex 3/8 - 24
21	STD523712	*Bolt - Hex 3/8 - 16 x 1 - 1/4	54	105727X	Link - Drag
22	73680600	Nut - Lock 3/8 - 16	55	105656X	Spindle - L.H.
23	98000165	Screw - Hex Self Tap. No. 10 - 16 x 1/2	56	105654X	Spindle - R.H.
24	108456X	Decal - Instruction, Operating	57	278H	Fitting - Grease
25	109284X	Bushing - Steering	58	9040H	Bearing - Flange
26	109432X	Bracket - Steering	59	106732X	Rim - 6" - Front
27	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	60	59192	Cap - Valve
28	6266H	Bearing - Thrust	61	65139	Stem - Valve
29	108684X	Gear - Sector	62	106222X	Tire - Turf
30	106126X	Key - Woodruff	63	19252016	Washer 25/32 x 1-1/4 x 16 Ga.
31	12000029	Klip Ring	64	104757X	Cap - Hub, Front
32	101930X	Washer, Hardened	65	59904	Tube - Front (Not furnished with tractor)
33	109068X	Shaft - Steering, Lower	66	110130X	Retainer, Steering
			67	11150500	Washer, Lock, Int. Tooth 5/16
			68	110307X	Stop - Mower, Clutch Lever
			69	61159	Knob - Throttle Control
			70	19252616	Washer 25/32 x 1-5/8 x 16 Ga.
			71	19272016	Washer 27/32 x 1-1/4 x 16 Ga.

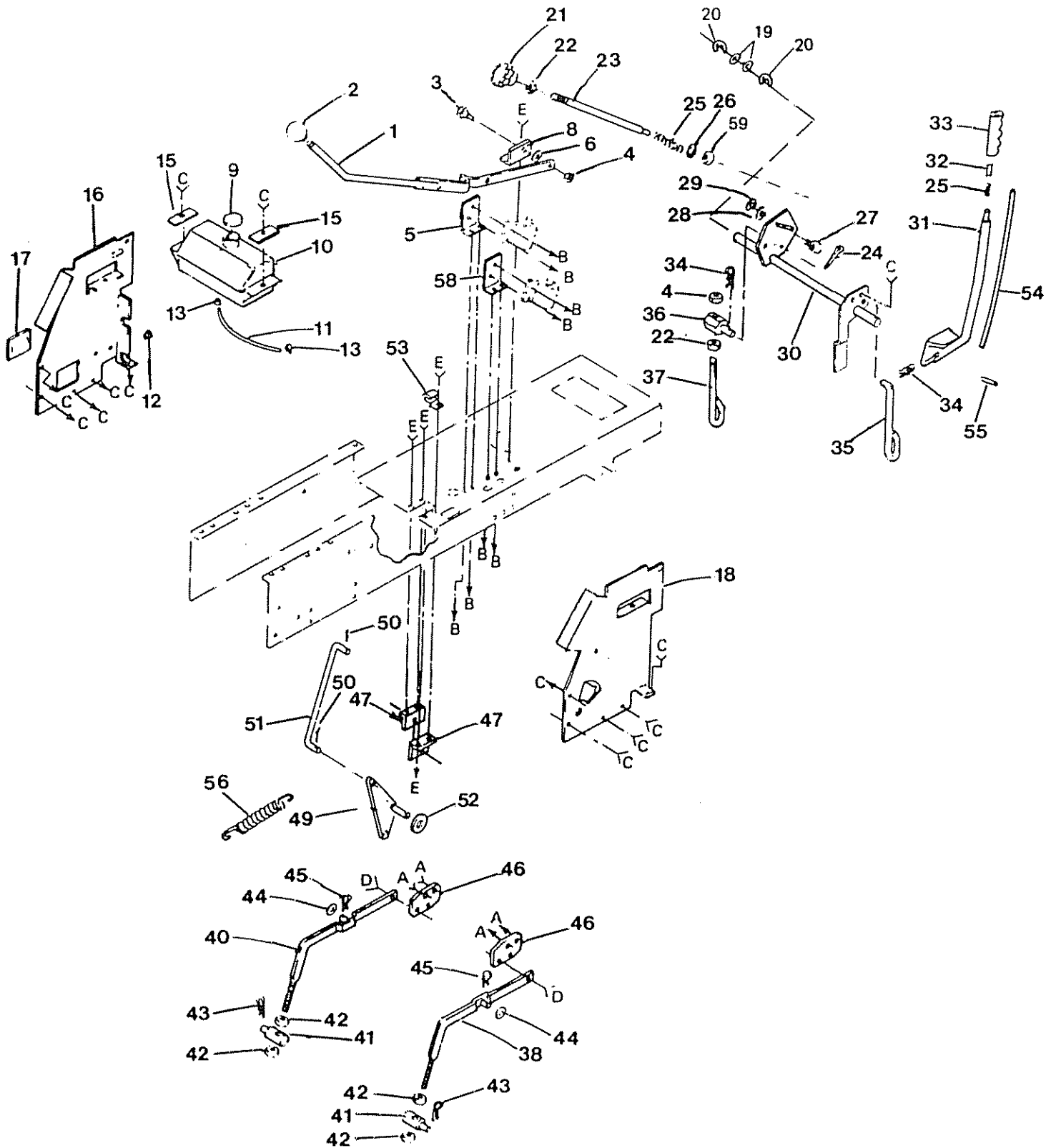
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

LIFT ADJUSTMENT



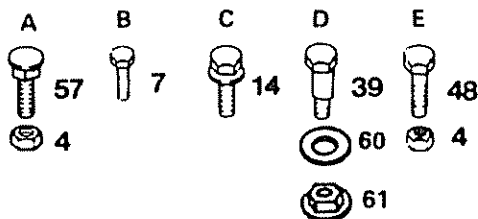
REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	31	105768X	Lever, Assembly
2	106932X	Knob	32	105723X	Plunger
3	106451X	Bolt, Shoulder	33	109413X	Grip, Handle
4	73680600	Nut, Lock, 3/8 - 16	34	4939M	Retainer, Spring
5	106452X	Bracket, Switch, Interlock	35	110029X	Link, Lift
6	19171713	Washer 17/32 x 1 - 1/16 x 13 Ga.	36	106204X	Trunnion, Lift
7	17021008	Screw, Hex, Tapping, No. 10 - 24 x 1/2	37	105855X	Link, Lift, Adjustable
8	106447X	Support, Lever, Clutch	38	105862X	Arm, Suspension, R.H.
9	109462X	Cap, Fuel	39	105848X	Bolt, Shoulder, 3/8 - 16
10	109202X	Tank, Fuel	40	105863X	Arm, Suspension, L.H.
11	101335K	Line, Fuel	41	106308X	Trunnion, Lift, Lower
12	9151R	Grommet	42	STD541250	*Nut - Hex 1/2 - 13
13	6999R	Clamp - Hose	43	9135R	Retainer, Spring
14	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	44	19171516	Washer 17/32 x 15/16 x 16 Ga.
15	106901X	Clamp - Tank, Fuel	45	4921H	Retainer, Spring
16	106920X	Panel, Dash, L.H.	46	105864X	Bracket, Suspension
17	105505X	Cover, Access	47	106444X	Bracket, Bellcrank
18	106921X	Panel, Dash, R.H.	48	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
19	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	49	109728X	Bellcrank Assembly
20	12000022	E Ring	50	76020412	Pin, Cotter, 1/8 x 3/4
21	100734K	Knob	51	106446X	Rod, Clutch, Primary
22	STD541237	*Nut, Hex Jam 3/8 - 16	52	19131410	Washer 13/32 x 7/8 x 10 Ga.
23	110809X	Rod, Adjust, Lift	53	5320R	Clip - Insulated
24	76020308	Pin, Cotter 3/32 x 1/2	54	105764X	Rod Assembly - Lever, Lift (Includes Key 32)
25	2876H	Spring	55	105767X	Pin - Groove
26	19131016	Washer 13/32 x 5/8 x 16 Ga.	56	106810X	Spring - Extension
27	110810X	Trunnion - Depth Stop	57	72140606	Screw 3/8-16 x 3/4
28	19151216	Washer 15/32 x 3/4 x 16 Ga.	58	108236X	Bracket - Switch
29	12000037	Klip Ring	59	110807X	Nut - Special
30	120420X	Shaft, Lift	60	110739X	Washer - Spring
			61	73980600	Nut - Flangelock 3/8 - 16

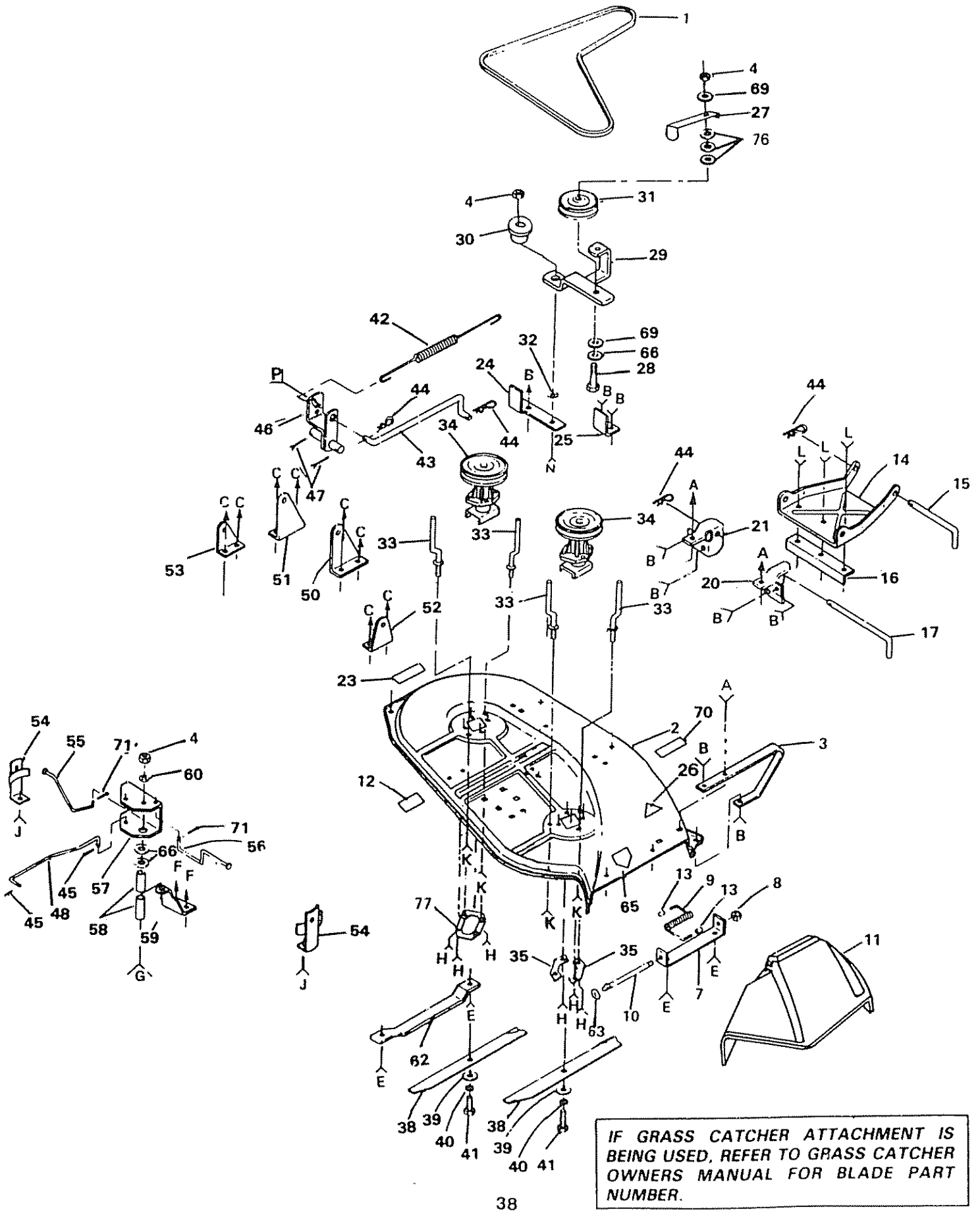
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

38" MOWER



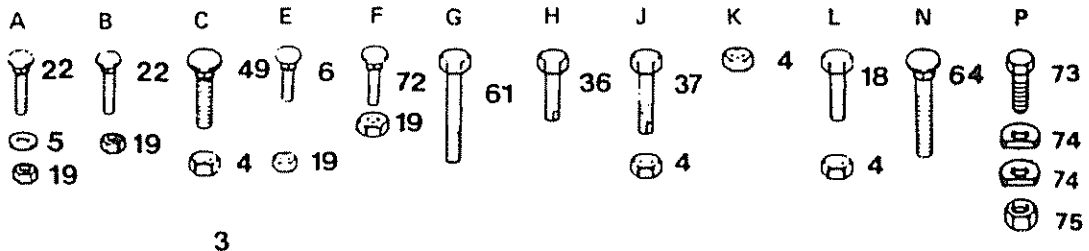
REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.254244

38" MOWER

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	38	106634X	**Blade
2	105689X	Housing	39	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	40	STD551137	*Washer, Lock 3/8
4	73680600	Nut, Lock, 3/8 - 16	41	STD623715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer 11/32 x 3/4 x 16 Ga.	42	108250X	Spring, Extension
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	43	108235X	Rod - Clutch, Mower
7	105896X	Bracket, Deflector	44	4921H	Spring - Retainer
8	110452X	Pushnut	45	STD560907	*Pin, Cotter 3/32 x 3/4
9	106734X	Spring, Deflector	46	109892X	Rock Shaft Assembly
10	106735X	Rod - Hinge	47	76020616	Pin, Cotter, 3/16 x 1
11	106736X	Deflector - Shield	48	108247X	Rod, Brake, Primary
12	105814X	Decal	49	72140606	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	50	108243X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	51	108241X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	52	105857X	Bracket, Suspension, Rear, R.H.
16	105872X	Stop, Link	53	108673X	Bracket, Suspension, Rear, L.H.
17	105743X	Pin - Hinge, Rear	54	106578X	Brake Assembly
18	STD523707	*Bolt 3/8 - 16 x 3/4	55	106463X	Rod, Brake, Secondary L.H.
19	73680500	Nut, Lock 5/16 - 18	56	108249X	Rod, Brake, Secondary, R.H.
20	109598X	Bracket, Lift, R.H.	57	106456X	Bracket, Brake, Pivot
21	109597X	Bracket, Lift, L.H.	58	100672K	Spacer, Brake
22	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	59	100673L	Bracket, Support
23	3713J	Instruction - Caution Decal	60	19131614	Washer 13/32 x 1 x 14 Ga.
24	109503X	Support, Arm	61	74760684	Bolt, 3/8 - 16 x 5 - 1/4
25	109504X	Stop, Deck, Front	62	7631J	Runner, L.H.
26	109984X	Decal - Safety Standard	63	19111016	Washer 11/32 x 5/8 x 16 Ga.
27	106461X	Guide Belt	64	72140610	Bolt, Carr. 3/8 - 16 x 1 - 1/4
28	STD523722	Bolt Hex 3/8 - 16 x 2-1/4	65	78850	Decal - Warning
29	108832X	Arm, Idler	66	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
30	106902X	Spacer - Retainer	69	19132012	Washer 13/32 x 1-1/4 x 12 Ga.
31	102403X	Pulley - Idler	70	106679X	Decal - Warning
32	106513X	Washer, Wear, 1/16	71	76020308	Pin, Cotter, 3/32 x 1/2
33	102669X	Keeper, Belt	72	72110506	Bolt, Carriage 5/16-18 x 3/4
34	105891X	Mandrel Assembly	73	STD522507	*Bolt Hex 1/4-20 x 3/4
35	100668L	Plate, Support, Mandrel	74	109893X	Washer, Special
36	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4	75	73680400	Nut, Lock 1/4-20
37	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4	76	19131407	Washer 13/32 x 7/8 x 7 Ga.
			77	110445X	L.H. Mandrel Support

*STANDARD HARDWARE--PURCHASE LOCALLY

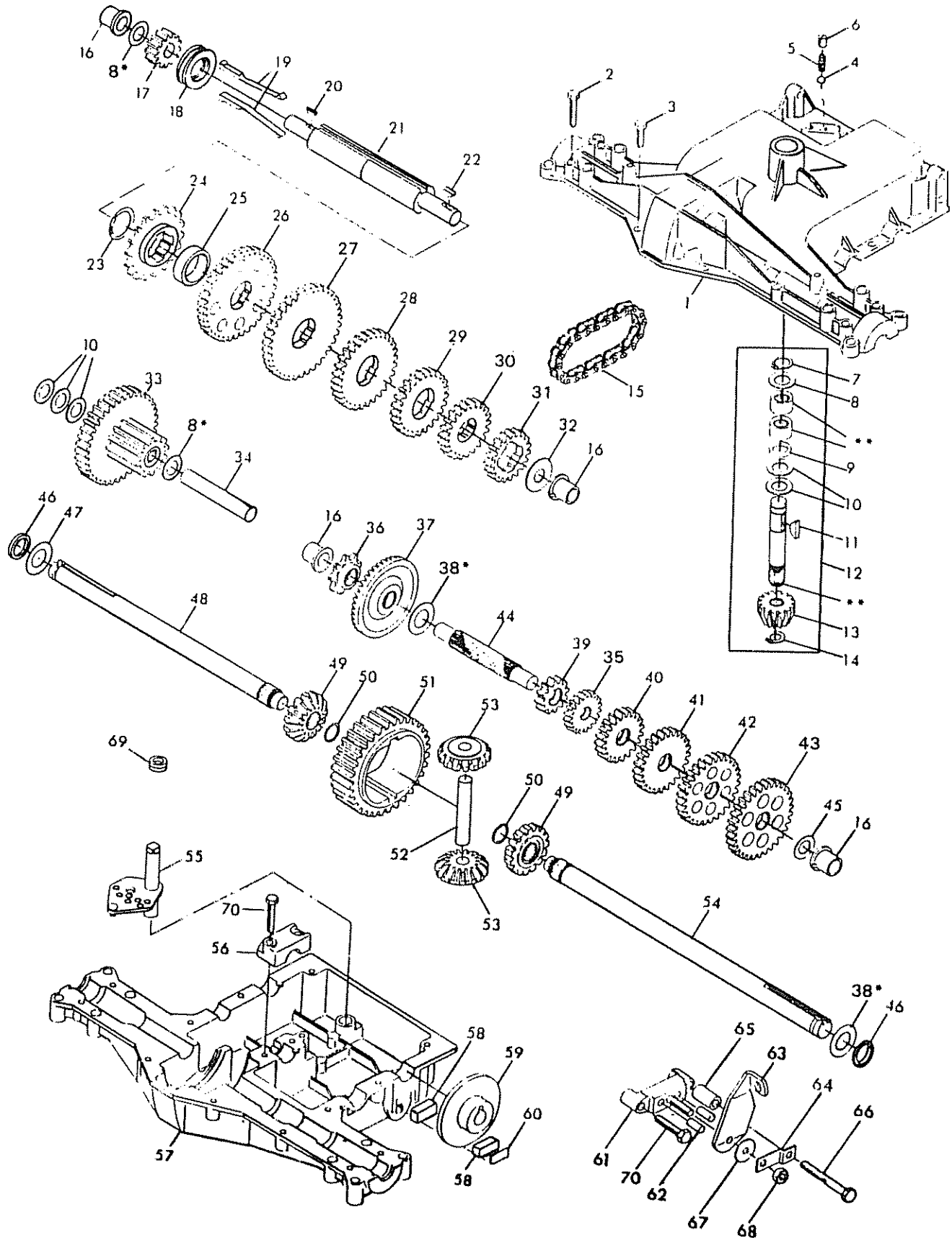


** IF GRASS CATCHER ATTACHMENT IS BEING USED, REFER TO GRASS CATCHER OWNERS MANUAL FOR BLADE PART NUMBER.

REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244
TRANSAXLE FOOTE - MODEL NUMBER 4150-40

TRANSAXLE



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244 TRANSAXLE FOOTE - MODEL NUMBER 4150-40

TRANSAXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105903X	Housing, Upper	38	106097X	Washer, Plain, .758 x 1.25 x .025
2	2276J	Screw, Tapping, 1/4-20 x 1.31 Lg.	38	2264J	Washer, Plain, .758 x 1.25 x .031
3	2274J	Screw, Tapping, 1/4-20 x .875 Lg.	38	106098X	Washer, Plain, .758 x 1.25 x .035
4	68003	Ball, Detent	38	2265J	Washer, Plain, .758 x 1.25 x .040
5	105904X	Spring, Detent	38	106586X	Washer, Plain, .758 x 1.25 x .045
6	105905X	Screw, Set	38	106587X	Washer, Plain, .758 x 1.25 x .050
7	2267J	Ring, Retaining	38	106588X	Washer, Plain, .758 x 1.25 x .055
8	2233J	Washer, Plain, .632 x 1.00 x .020	38	2263J	Washer, Plain, .758 x 1.25 x .062
8	2232J	Washer, Plain, .632 x 1.00 x .026	39	105933X	Gear, Spur, 12T.
8	2231J	Washer, Plain, .632 x 1.00 x .031	40	105934X	Gear, Spur, 20T.
8	2230J	Washer, Plain, .632 x 1.00 x .036	41	106589X	Gear, Spur, 25T.
8	2229J	Washer, Plain, .632 x 1.00 x .041	42	106130X	Gear, Spur, 28T.
8	2228J	Washer, Plain, .632 x 1.00 x .046	43	105937X	Gear, Spur, 31T.
8	2227J	Washer, Plain, .632 x 1.00 x .050	44	110469X	Shaft, Drive
8	2226J	Washer, Plain, .632 x 1.00 x .060	45	2226J	Washer, Plain, .640 x 1.00 x .060
8	105906X	Washer, Plain, .632 x 1.00 x .082	46	2272J	Seal, Felt
9	6725J	O-Ring	47	2264J	Washer, Plain, .758 x 1.25 x .031
10	2228J	Washer, Plain, .632 x 1.00 x .046	48	110080X	Axle, L.H.
11	2257J	Key, Woodruff, #9	49	110081X	Gear, Miter, 15T.
12	3331J	Ass'y., Kit, Input Shaft	50	105941X	Ring, Retaining, Spirolox®
13	2287J	Pinion, Bevel, 16T.	51	110071X	Gear, Spur, 32T.
14	2286J	Ring, Retaining	52	110072X	Shaft, Cross
15	105910X	Chain, 24 Pitches	53	110082X	Gear, Miter, 15T.
16	105911X	Bearing, Flange	54	110083X	Axle, R.H.
17	110463X	Gear, Spur, 13T.	55	110475X	Ass'y., Shifter
18	105913X	Collar, Clutch	56	108987X	Cap, Support
19	110464X	Key, Clutch	57	110476X	Housing, Lower
20	110465X	Key, Woodruff, #3, Special	58	108988X	Puck, Friction
21	110466X	Shaft, Intermediate	59	64260	Disc, Brake
22	2244J	Key, Woodruff #61	60	108989X	Spacer
23	105916X	Ring, Retaining	61	110477X	Ass'y., Jaw, Brake
24	110467X	Sprocket, 18T.	62	108991X	Pin, Dowel
25	110070X	Spacer	63	108992X	Lever, Actuating
26	108977X	Gear, Spur, 37T.	64	110074X	Bracket, Anti-Rotation
27	109001X	Gear, Spur, 35T.	65	108994X	Spacer, .323 x .563 x 1.00 Lg.
28	108979X	Gear, Spur, 30T.	66	108995X	Screw, Tapping, 5/16-18 x 2.50 Lg.
29	108980X	Gear, Spur, 25T.	67	108996X	Washer, Plain, .321 x 1.00 x .055
30	108998X	Gear, Spur, 22T.	68	73810500	Nut, Lock, 5/16-24
31	108455X	Gear, Spur, 19T.	69	108727X	V-Ring
32	105925X	Washer, Plain, .640 x 1.37 x .061	70	106596X	Screw, Tapping, 5/16-18 x 1.44 Lg.
33	110468X	Ass'y., Gear, Comb, 12T. & 37T.			
34	105927X	Shaft, Idler			
35	106151X	Gear, Spur, 15T.			
36	105928X	Sprocket, 9T.			
37	110478X	Gear, Bevel, 42T.			
38	108983X	Washer, Plain, .758 x 1.12 x .010			
38	105930X	Washer, Plain, .758 x 1.12 x .015			
38	105931X	Washer, Plain, .758 x 1.12 x .020			
38	105932X	Washer, Plain, .758 x 1.12 x .025			
38	3417J	Washer, Plain, .758 x 1.25 x .020			

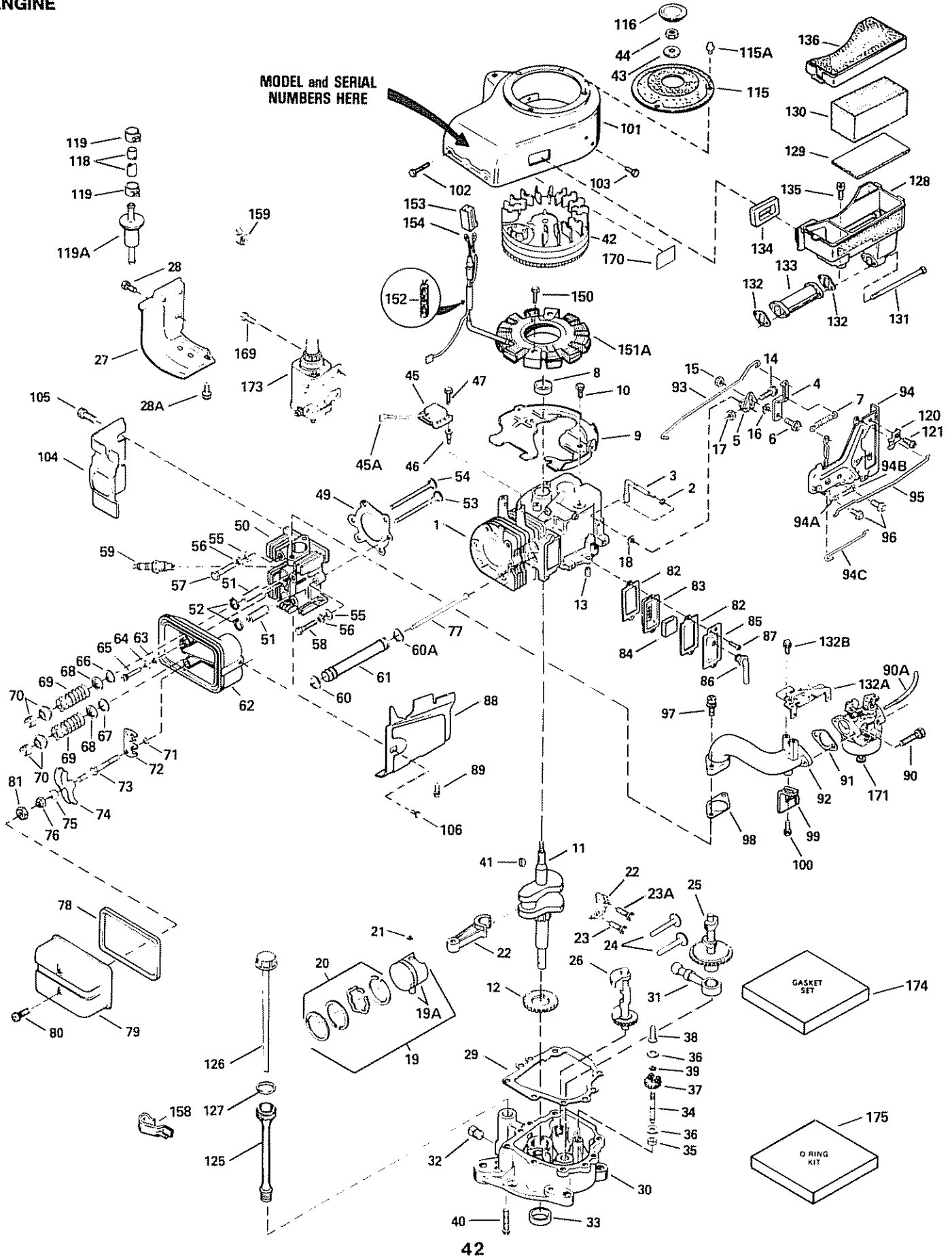
* Use in various combinations to maintain proper clearances.

** Not sold separately - Order Key No. 12.

REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244
ENGINE TECUMSEH - MODEL NUMBER 143.386012

ENGINE



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244

ENGINE TECUMSEH - MODEL NUMBER 143.386012

ENGINE

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
1	35323A	Cylinder Assy. (Incl. Nos. 8 & 13)	53	35308	Valve, Exhaust (Std.)
2	28277	Washer, Flat	53	35433	Valve, Exhaust (1/32" oversize)
3	35324	Rod, Governor	54	35309	Valve, Intake (Std.)
4	35520	Lever, Governor	54	35432	Valve, Intake (1/32" oversize)
5	29916	Clamp, Governor lever	55	650691	Washer, Flat
6	650548	Screw, Hex washer hd., 8-32 x 5/16	56	650690	Washer, Belleville
7	35521	Spring, Control	57	650746	Screw, Hex hd., 5/16-18 x 1-3/8
8	35319	Seal, Oil	58	650692	Screw, Hex hd., 5/16-18 x 1-3/4
9	35326	Baffle, Blower housing	59	34046	Resistor Spark Plug (Champion RL-86C or equivalent)
10	650561	Screw, Hex washer hd. Durllok, 1/4-20 x 5/8	60	†*33481	"O" Ring
11	35336A	Crankshaft Assy.	60A	†*33481	"O" Ring
12	35327	Gear, Counterbalance	61	35475	Tube, Push rod
13	27652	Pin, Dowel	62	35310	Housing, Rocker arm
14	29826	Screw, Hex washer hd., 10-32 x 3/4	63	†*33484	"O" Ring
15	30322	Locknut, Hex "Keps", 8-32	64	650168	Washer, Flat
16	29918	Washer, E.T. Lock #8	65	32610A	Screw, Flanged hex hd., 1/4-20 x 29/32
17	29216	Locknut, Hex "Keps", 10-32	66	†*33509	"O" Ring (Intake)
18	29642	Ring, Retaining	67	†*34410	"O" Ring (Exhaust)
19	35339	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 19A, 20 & 21)	68	33510	Cap, Valve spring
19	35340	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 19A, 20 & 21)	69	33507	Spring, Valve
19	35341	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 19A, 20 & 21)	70	33508	Keeper valve retainer & cap set
19A	35329	Piston & Pin Assy. (Std.) (Incl. No. 21)	71	†*35295	"O" Ring
19A	35430	Piston & Pin Assy. (.010 oversize) (Incl. No. 21)	72	35296	Guide, Push rod
19A	35431	Piston & Pin Assy. (.020 oversize) (Incl. No. 21)	73	650878	Stud, Rocker arm
20	34866	Ring Set, Piston (Std.)	74	35297	Arm, Rocker
20	34867	Ring Set, Piston (.010 oversize)	75	35298	Bearing, Rocker arm
20	34868	Ring Set, Piston (.020 oversize)	76	†*28264	Nut Assy. (Incl. No. 81)
21	31919	Ring, Piston pin retaining	77	35466	Rod, Push
22	35330A	Rod Assy., Connecting (Incl. No. 23 & 23A)	78	†*35299A	"O" Ring
23	650908	Screw, Connecting rod	79	35300	Cover, Rocker arm housing
23A	650882	Screw, Connecting rod	80	†*650879	Screw, Truss hd. w/sealing
24	35313	Lifter, Valve	81	†*650903	Lockwasher, 8-32 x 1/2
25	35314A	Camshaft Assy (Mech Compression Release) (Incl. No. 24)	82	*27896	Nut, Hex jam
26	35315	Weight Assy., Counterbalance	83	28423	Gasket, Valve cover
27	35316	Extension, Blower housing	84	28424	Body, Breather
28	650128	Screw, Fil. hd. Sems, 10-24 x 1/2	85	28425	Element, Breather
28A	30063	Screw, Hex hd. Sems, 1/4-20 x 1/2	86	35350	Cover, Valve spring box
29	*35317	Gasket, Mounting flange	87	650128	Tube, Breather
30	35318	Flange, Mounting (Incl. Nos. 28A, 32, 33 & 34)	88	35301	Screw, Fil. hd. Sems, 10-24 x 1/2
31	31356	Pump Assy., Oil	89	650128	Extension, Blower housing
32	31927	Plug, Oil drain (square hd., 3/18-18)	90	650517	Screw, Fil. hd. Sems, 10-24 x 1/2
33	35319	Seal, Oil	90A	35043	Screw, Fil. flex hd., 1/4-20 x 7/8
34	35320	Shaft, Governor	91	*33263	Tube, Carburetor
35	31707A	Spacer Assy., Governor	92	35304	Gasket, Carburetor to intake pipe
36	35479	Washer, Flat	93	35304	Pipe, Intake
37	35321	Gear Assy., Governor	94	35522	Link, Governor
38	35322	Spool, Governor	94A	33802	Bracket Assy., Control (Incl. Nos. 94A & 94B)
39	29193	Ring, Retaining	94B	650777	Spring, Compression
40	650833	Screw, Hex washer hd. Powerlok, 1/4-20 x 1-3/16	94C	35525	Screw, Fil. hd., 6-32 x 21/32
41	32589	Key, Flywheel	95	35523	Link, Control bracket
42	611093	Flywheel	96	650902	Link, Governor spring
43	650880	Washer, Lock	97	792028	Screw, Hex washer hd. Sems, 10-32 x 7/16
44	650881	Nut, Flywheel (Hex, 5/8-18)	98	792028	Screw, Hex hd. Sems, 5/16-18 x 7/8
45	35135	Solid State Assy.	99	*33515	Gasket, Intake pipe
45A	610118	Cover, Spark plug	99	35288	Brace, Intake pipe
46	650872	Stud, Solid state assy.	100	650738	Screw, Hex washer spinlock hd. thread forming, 1/4-20 x 5/8
47	650814	Screw, Hex hd. Sems, 10-24 x 1	101	35338A	Housing, Blower
49	*35306	Gasket, Cylinder head	102	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2
50	35307	Head Assy., Cylinder	103	29747B	Screw, Hex hd. Sems, 5/16-24 x 21/32
51	730218	Valve Guide Kit (Incl. 2 of No. 52)			
52	792035	Ring, Retaining			

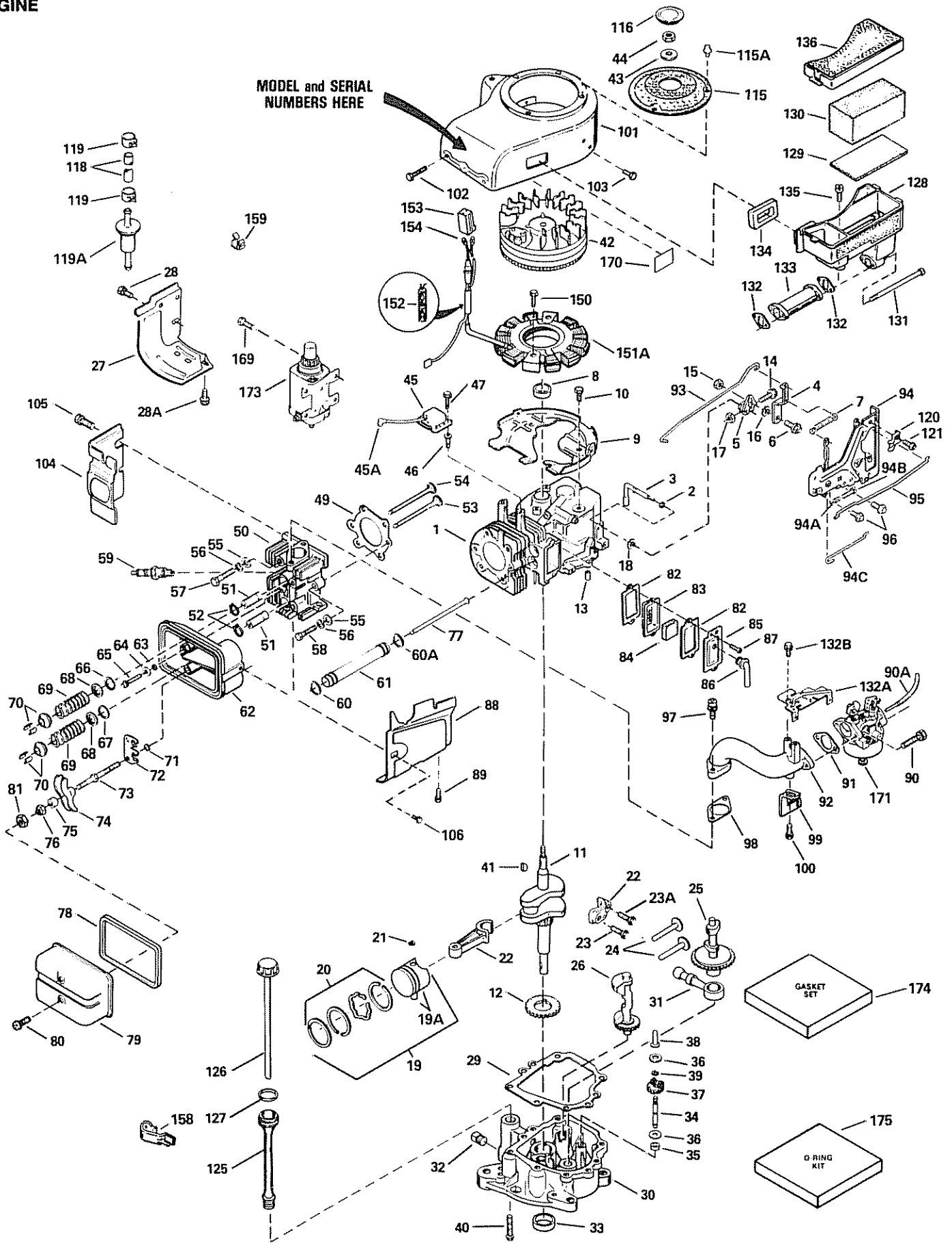
*Indicates Parts Included in Gasket Set, Ref. No. 174.

REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 317.254244

ENGINE TECUMSEH - MODEL NUMBER 143.386012

ENGINE



REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244 ENGINE TECUMSEH - MODEL NUMBER 143.386012

ENGINE

Ref. No.	Part No.	Part Name	Ref. No.	Part No.	Part Name
104	35290	Cover, Cylinder head	134	*34912	Gasket, Air cleaner
105	650273	Screw, Fil. hd. Sems, 5/16-18 x 1/2	135	650784	Screw, Hex hd. taptite, w/flatwasher, 10-24 x 11/16
106	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2	136	34911	Cover, Air cleaner
115	35411	Screen, Starter	150	650873	Screw, Hex hd. Sems, 1/4-20 x 3/4
115A		Pop Rivet (Can be purchased locally)	151A	611113	Coil Assy., Alternator (3 Amp D.C.) (Incl. Nos. 152, 153 & 154)
116	34113	Plug, Blower housing	152	610935	Diode
118	29774	Line, Fuel	153	610921	Connector Body
119	26460	Clamp, Fuel line	154	610922	Terminal, Female
119A	34279A	Filter, Fuel (Incl. No. 119)	158	35437	Clip, Oil fill tube
120	27793	Clip, Conduit	159	27275	Clip, Wire
121	28942	Screw, Hex washer hd. Sems, 10-32 x 3/8	169	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2
125	35574	Tube, Oil fill	170	34346	Decal, Instruction
126	35576	Dipstick, Oil	171	632469	Carburetor (Incl. No. 91)
127	35499	"O" Ring	173	33605	Starter Motor (12 Volt)
128	34909	Body, Air cleaner	174	35331	Gasket Set (Incl. items marked *)
129	35108	Filter, Air cleaner (Flocked)	175	35332	"O" Ring Kit (Incl. items marked †)
130	34910	Element, Air cleaner			
131	650875	Screw, Fil. hd. Sems, 10-32 x 5-1/4			
132	*33629	Gasket, Air cleaner elbow			
132A	35516	Bracket			
132B	30200	Screw, Hex washer hd., self-tap Sems, 10-24 x 9/16			
133	35286	Adapter, Air cleaner			

RPM Settings:
Low Speed, 1700; High Speed, 3500.

*Indicates Parts Included in Gasket Set, Ref. No. 174.

†Indicates Parts Included in Gasket Set, Ref. No. 175.

CARBURETOR NO. 632469

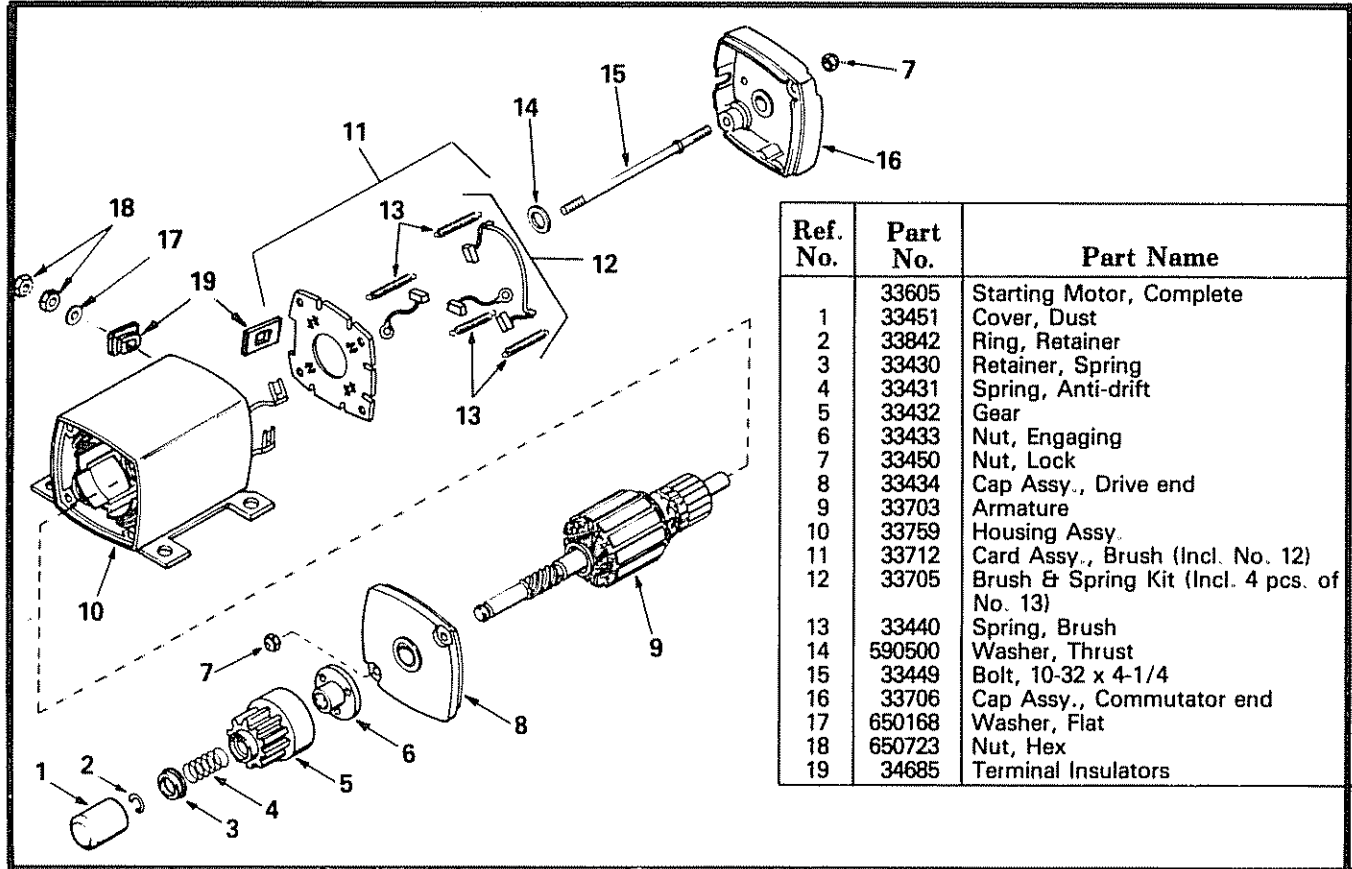
Ref. No.	Part No.	Part Name
	632469	Carburetor
1	632471	Shaft & Lever Assy, Throttle
2	632244	Spring, Throttle return
3	632245	Shutter, Throttle
4	650506	Screw, Rd. hd., 4-40 x 3/16
5	630766	Spring, Idle regulating screw
5A	630766	Spring, Main adjustment screw
6	650417	Screw, Idle regulating
7	632472	Shaft & Lever Assy., Choke
8	632473	Spring, Return
9	632429	Shutter, Choke
10	630748	Plug, Welch
11	631027	Plug, Welch
12	631021	Inlet Needle, Seat & Clip Assy. (Incl. No. 13)
13	631022	Clip, Inlet needle
14	632019	Float, Carburetor
15	631024	Shaft, Float
16	631867	Bowl, Float
21	27110	Gasket, Bowl-to-body
22	632470	Nut, Float bowl
23	630740	"O" Ring, Adjustment screw
24	632281	Screw, Idle adjustment
25	631028	Gasket, Bowl-to-body
27	631184	Washer
29	631971	Seal, Dust
29A	631183	Seal, Dust
30	630739	Washer, Flat
31	631775	Fitting, Fuel

REPAIR PARTS

12 H.P. 38" RIDING LAWN TRACTOR - MODEL NUMBER 917.254244
 ENGINE TECUMSEH - MODEL NUMBER 143.386012

ENGINE

STARTER MOTOR NO. 33605



Ref. No.	Part No.	Part Name
	33605	Starting Motor, Complete
1	33451	Cover, Dust
2	33842	Ring, Retainer
3	33430	Retainer, Spring
4	33431	Spring, Anti-drift
5	33432	Gear
6	33433	Nut, Engaging
7	33450	Nut, Lock
8	33434	Cap Assy., Drive end
9	33703	Armature
10	33759	Housing Assy.
11	33712	Card Assy., Brush (Incl. No. 12)
12	33705	Brush & Spring Kit (Incl. 4 pcs. of No. 13)
13	33440	Spring, Brush
14	590500	Washer, Thrust
15	33449	Bolt, 10-32 x 4-1/4
16	33706	Cap Assy., Commutator end
17	650168	Washer, Flat
18	650723	Nut, Hex
19	34685	Terminal Insulators

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL

SIGHTING GUIDE

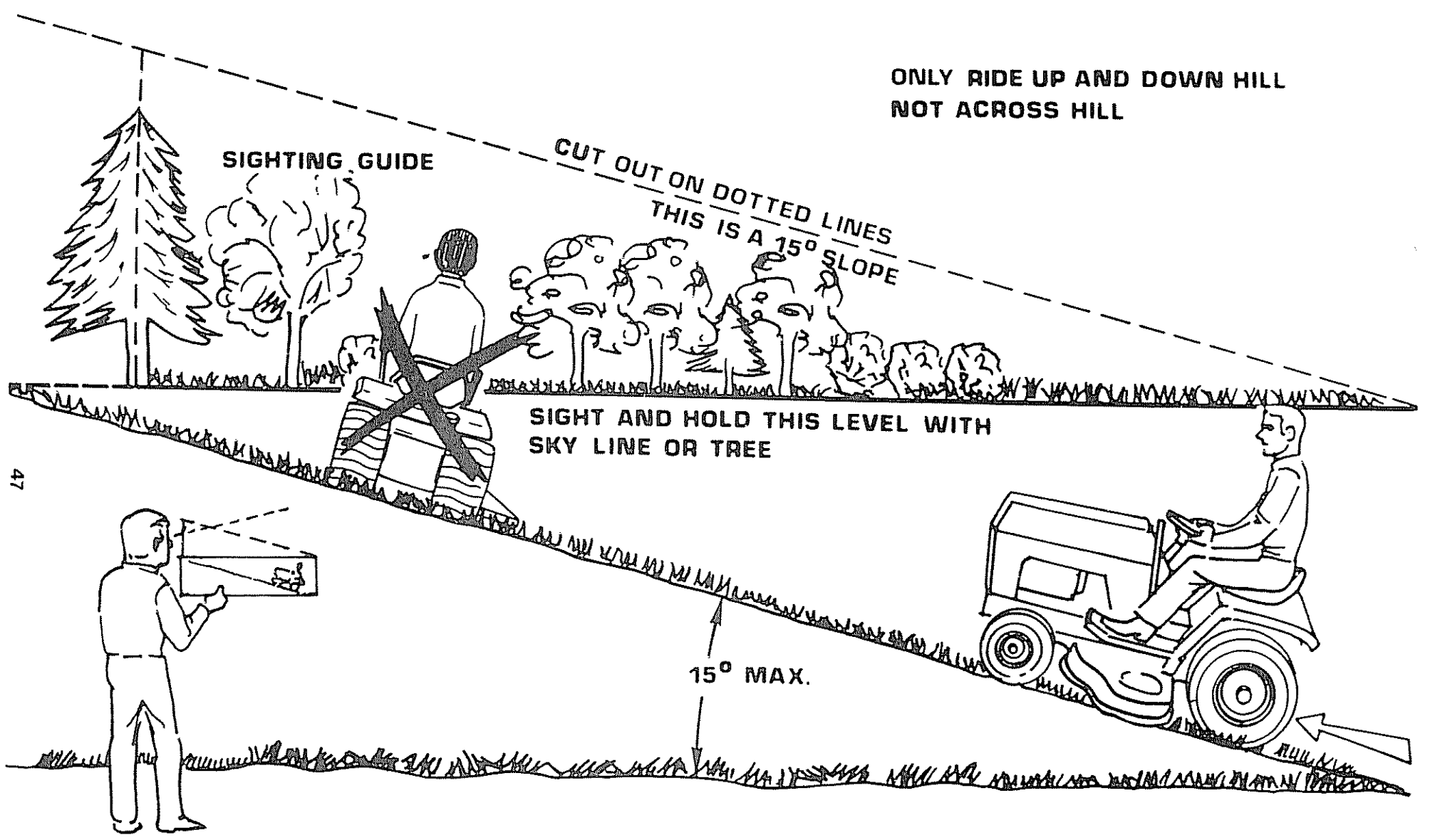
CUT OUT ON DOTTED LINES
THIS IS A 15° SLOPE

SIGHT AND HOLD THIS LEVEL WITH
SKY LINE OR TREE

15° MAX.



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.



47

SEARS

**OWNERS
MANUAL**

**MODEL NO.
917.254244**

**HOW TO ORDER
REPAIR PARTS**

CRAFTSMAN

**LT 12 HP ELECTRIC START
6 SPEED - 38" MOWER
LAWN TRACTOR**

The Model Number will be found on the Model Plate attached to the Fender. Always provide the Model Number when requesting service or repair parts for your Lawn Tractor.

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

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

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