

SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

Caution:
Read Rules for
Safe Operation
and Instructions
Carefully



11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

Assembly
Installation
Operation
Repair Parts

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. They have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble, operate and maintain your Tractor properly. Always observe the "RULES FOR SAFE OPERATION".

MODEL NUMBER _____
 SERIAL NUMBER _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE DRAWBAR.

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

LIMITED ONE YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

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

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

This warranty does not cover:

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

FULL 90-DAY WARRANTY ON BATTERY

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

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

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

Sears, Roebuck and Co., D/698-731A, Sears Tower, Chicago, IL 60684

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RULES FOR SAFE OPERATION

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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. See your Sears Authorized Service Center for spark arrester muffler part number 677V1.

1. Know the controls and how to stop quickly. **READ THE OWNER'S MANUAL.**
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction or without having read the owner's manual.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in driver's seat.
7. Always get on or off your tractor from the operator's left hand side.
8. Clear the work area of objects which might be picked up and thrown.
9. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs.
12. Disengage power to attachments when transporting or not in use.
13. Take all possible precautions when leaving the vehicle unattended. 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 43.
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. Do not shift gears while going up or down slopes. Choose a gear low enough to negotiate the slope without stopping and shifting gears. To reduce speed, move throttle lever to slow.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign object.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in the deflector (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 this owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for adjustment; **DO NOT** operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler or tamper with the exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
 - c. Shut the engine off when removing the grass catcher or unclogging chute.
 - d. Check the blade mounting bolts for proper tightness at frequent intervals.
36. 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.



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

To assemble your Tractor you will need:

two 7/16" wrenches, two 9/16" wrenches, and a 3/4" wrench

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

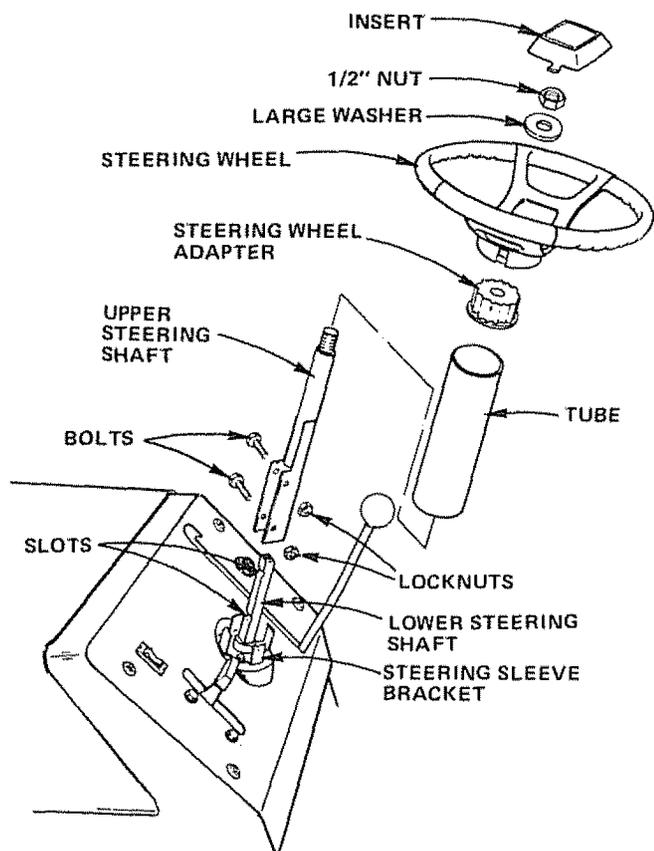


FIGURE 1

CUT AWAY VIEW

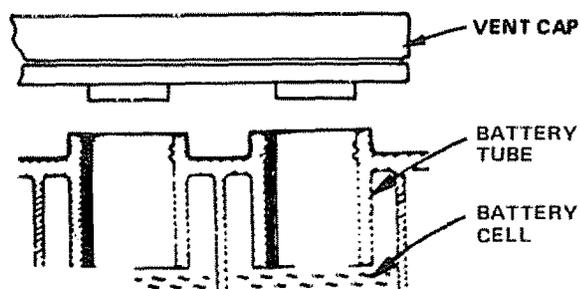


FIGURE 2

ASSEMBLY

1. Remove Shipping Strap Banding, Battery, Steering Wheel and Bag of Parts (under Hood).
2. Slide Upper Steering Shaft over Lower Steering Shaft so bolt holes line up with slots in Lower Steering Shaft (Fig. 1).
3. Use two Bolts and two Locknuts to retain Upper Steering Shaft to Lower Steering Shaft. Tighten securely.
4. Slide Tube over Steering Shaft Assembly and over Steering Sleeve Bracket.
5. Place Steering Wheel Adapter on Upper Steering Shaft.
6. With front wheels pointed straight ahead, place Steering Wheel on Steering Wheel Adapter. Bars of Steering Wheel should point straight across tractor.
7. Place Large Washer on Upper Steering Shaft and install a 1/2" Nut. Tighten securely.
8. Snap Insert into Steering Wheel.
9. Remove plastic on Tractor Hood.

BATTERY INSTALLATION

1. Before installation in Tractor, follow the Battery preparation steps below.



WEAR EYE AND FACE SHIELD.

- a. Battery Electrolyte: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
- b. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 2). NOTE: DO NOT OVERFILL. (OVERFILLING CAN RESULT IN DAMAGE TO TRACTOR).



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

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



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

- e. Neutralize excess electrolyte for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.



DO NOT SHORT BATTERY TERMINALS.

BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRIST-WATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

2. Position Battery in tractor as follows:
 - a. Lift Seat Pan so it rests on Steering Wheel (Fig. 3).
 - b. Lower Battery into Fender Well with Battery Terminals toward front of tractor. Make sure Battery rests in Battery Tray (Fig. 4).

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

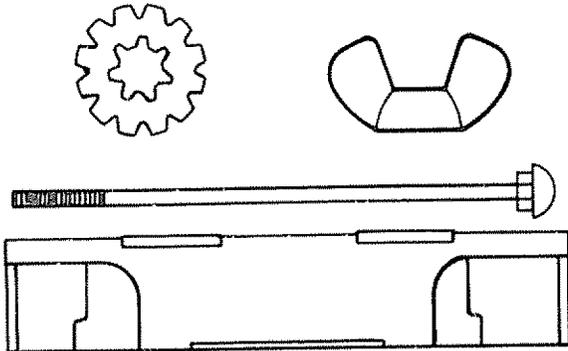
3. Connect Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.



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

- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.

4. Install Battery using: two Int./Ext. Lockwashers, two Wing Nuts (shown full size below) and



two Battery Bolts and one Terminal Guard found in Bag of Parts.

- a. Using the slot on one side of the Battery Support (Fig 5) slide Battery Bolt into Frame Slot (head of Bolt down). Fasten the Battery Bolt to the Terminal Guard using Int./Ext. Lockwasher and Wing Nut as shown in Fig. 5.
- b. Assemble the remaining Battery Bolt to other side of Battery Support and fasten Terminal Guard to it with remaining Int./Ext. Lockwasher and Wing Nut. Tighten Wing Nuts securely by hand (Fig. 5).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 5) FOR:

1. Inspection for secure connections (tighten hardware).
2. Inspection for corrosion.
3. Testing battery.
4. Jumping (if required).
5. Charging (if required).



WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.

NOTE: DO NOT START ENGINE UNTIL INITIAL SERVICE HAS BEEN PERFORMED.

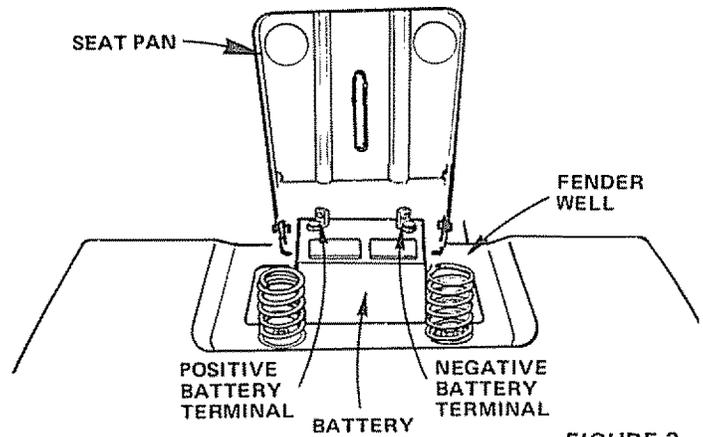


FIGURE 3

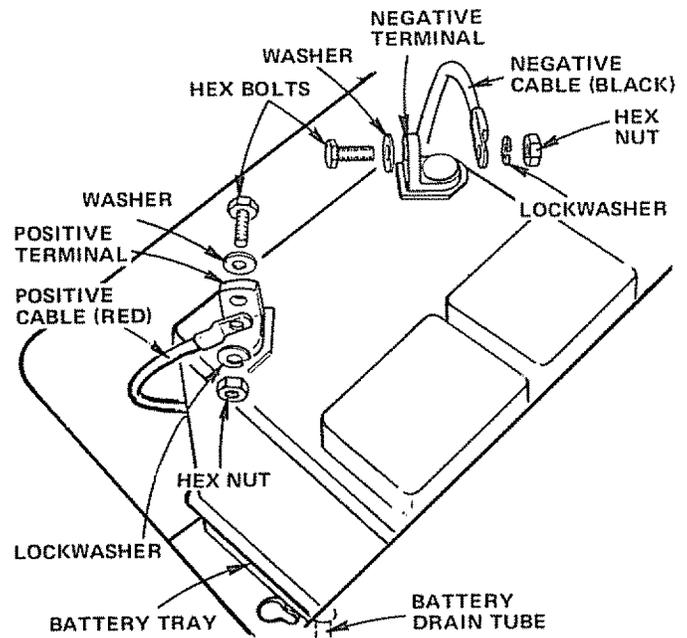


FIGURE 4

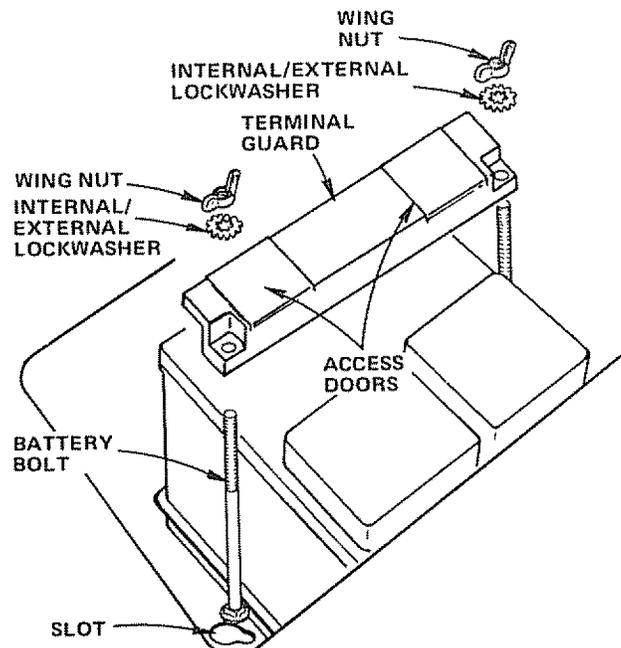


FIGURE 5

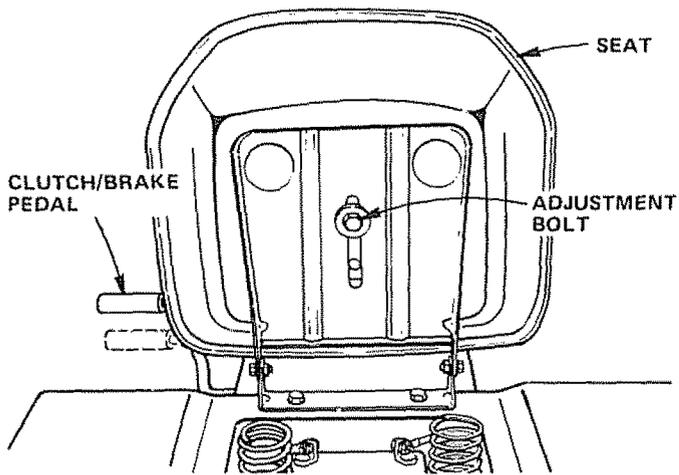


FIGURE 6

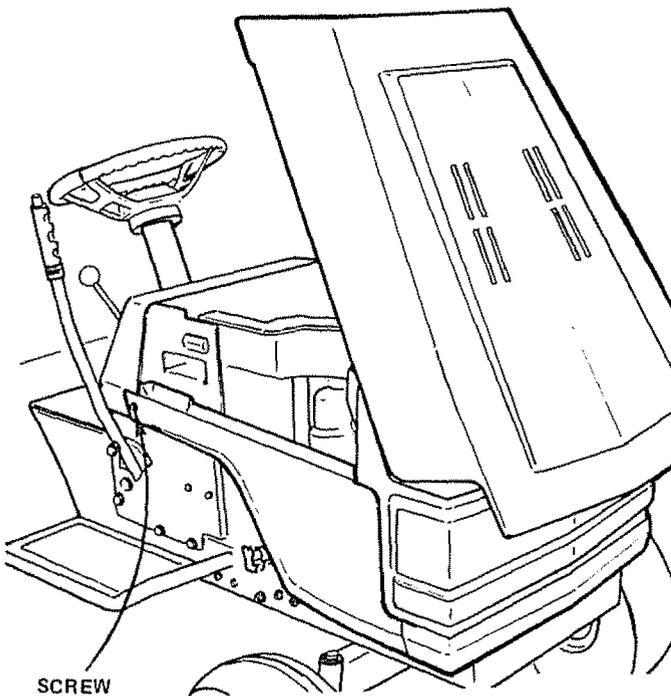


FIGURE 7

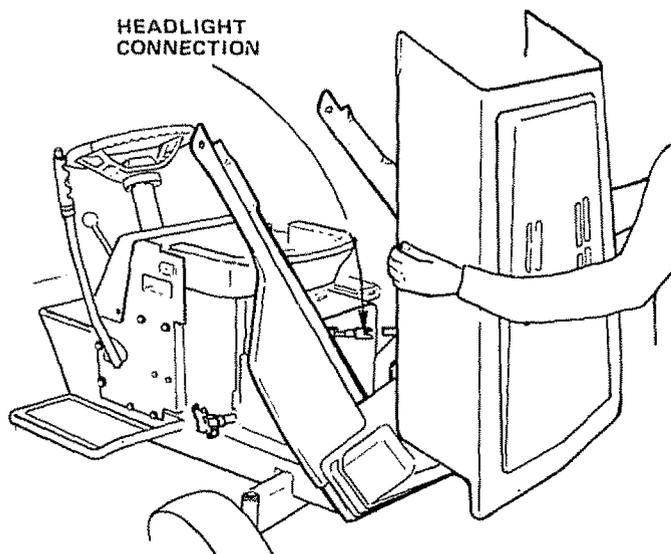


FIGURE 8

INITIAL ADJUSTMENTS

1. SEAT INSTALLATION

- Place Seat on Seat Pan. Screw Adjustment Bolt, Lockwasher and Flat Washer into Seat. Adjustment Bolt, Lockwasher and Flat Washer found in Bag of Parts. Tighten finger tight.
- 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.
- Raise Seat. Use 3/4" wrench to loosen Adjustment Bolt (Fig. 6). When adjusted for comfortable operation, tighten Adjustment Bolt securely.

2. TIRE PRESSURE

- Reduce Tire pressure to 14 PSI in front tires; 12 PSI in rear tires. (Tires were overinflated for shipping).

3. HOOD

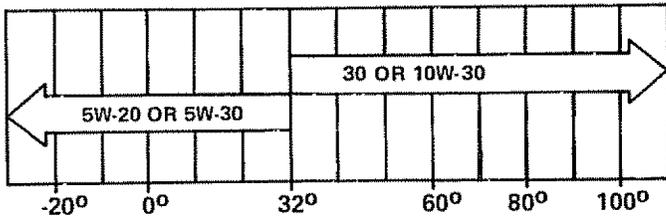
- To raise Hood, lift at rear of Hood.
- To remove Hood, Grill and Side Panels, raise Hood and loosen one screw on each Side Panel. (The screw remains in the Side Panel) (Fig. 7).
- Unsnap Headlight Connection (Fig. 8).
- Stand in front of Tractor. Grasp Hood and tilt forward and lift off (Fig. 8).
- To reinstall, reverse above procedure.

INITIAL SERVICE

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

1. Pull up at rear of Hood to open.
2. Check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick (Fig. 9) clean, screw it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached

RECOMMENDED SAE VISCOSITY GRADES



TEMPERATURE RANGE EXPECTED BEFORE NEXT OIL CHANGE. ALL OILS MUST MEET A.P.I. SERVICE CLASSIFICATION SD, SE, OR SF.

Capacity is 3 pints, NOTE: DO NOT OVERFILL. Dipstick assembly must be securely tightened into tube at all times when engine is operating.

3. Fill Fuel Tank (Fig. 9). Use fresh, clean, unleaded automotive gasoline. (Leaded "Regular" grade gasoline is not an acceptable substitute. Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 5 quarts.

WARNING: DO NOT USE GASOHOL OR METHANOL. These type fuels react with water content in the fuel and tend to form strong acids which can corrode metal parts and harm rubber and plastics



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.

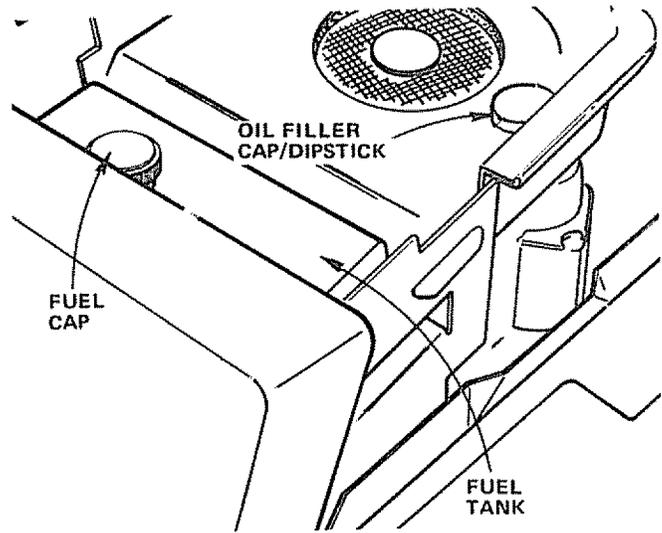
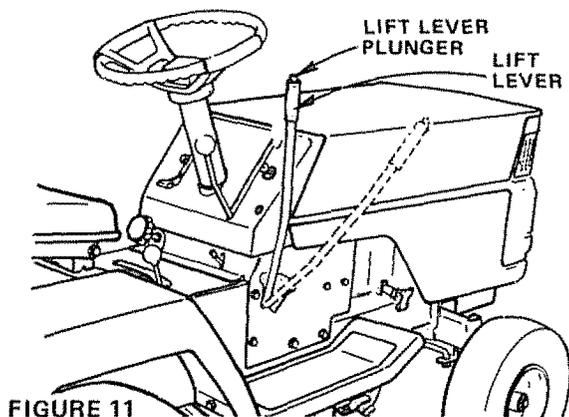
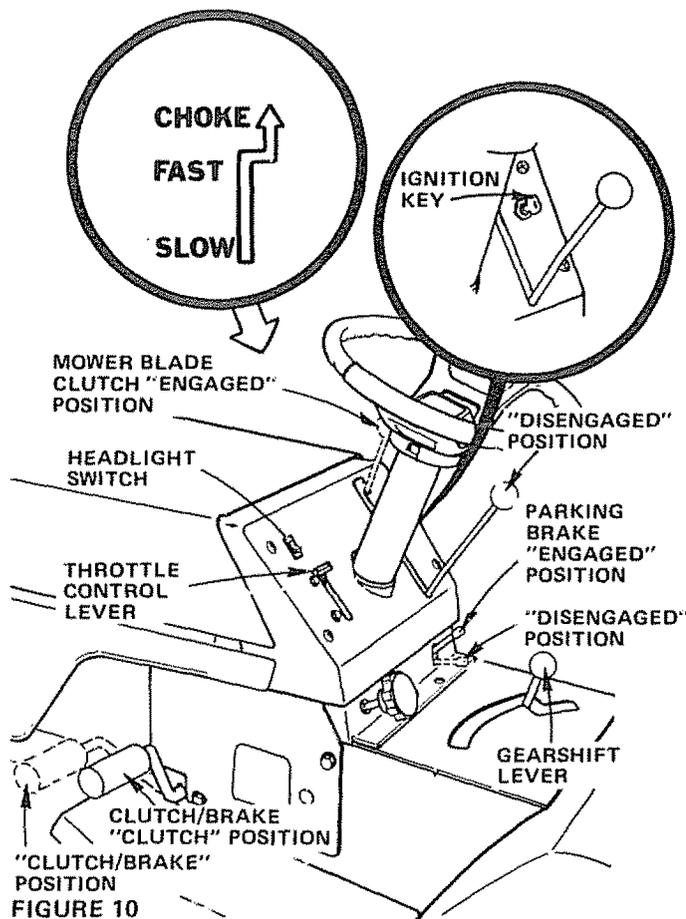


FIGURE 9



OPERATION

NOTE: MOWER OPERATION IS LISTED ON PAGE 11.

THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE MOWER BLADE CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE GEAR SHIFT LEVER IS NOT IN "NEUTRAL" POSITION (FIG. 10). IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

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



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift lever to neutral (Fig. 10).
 - b. Depress Clutch/Brake Pedal and set Parking Brake (Fig. 10).
 - c. Disengage attachment clutch (Mower Blade Clutch Lever) (Fig. 10).
 - d. Shut off engine.
 - e. Remove ignition key.
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

STARTING THE ENGINE

1. Disengage Mower Blade Clutch Lever (Fig. 10).
2. Depress Clutch-Brake Pedal fully. Raise Parking Brake Lever and hold in "ENGAGED" position. Release Clutch-Brake Pedal.



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

3. Place Gear Shift Lever in "NEUTRAL" position (Fig. 10).
4. Move Throttle Control Lever (Fig. 10) to "FAST" detent, then to the right and upward for "CHOKE" position. At the "FAST" position the Lever has a stop. The stop is provided so that you will know when you are at full throttle "FAST" position and prevent over travel into choke position.
5. Turn Ignition Key clockwise (↻) to "START" position and release Key as soon as engine starts (Fig. 10). Immediately move Throttle Control Lever mid-way between "FAST" and "SLOW" positions.
NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If Engine does not start after several attempts, move Throttle Control Lever mid-way between "FAST" and "SLOW" positions, wait a few minutes and try again.



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

WARMING UP THE ENGINE

Move Throttle Control Lever mid-way between "FAST" and "SLOW" positions (Fig. 10). As engine warms up, move Throttle Control Lever to "FAST" position, NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.

When restarting a warm engine, move Throttle Control Lever to "FAST" position, "CHOKE" may not have to be used.

MOWER INSTALLATION

Your 38" Mower installs without the use of tools. Raise Lift Lever (Fig. 11) to its highest position. Turn Depth Adjustment Knob to lowest position (Fig. 14).

1. Install Front Hinge Pin through Axle and Parallel Link (Fig. 12). Secure with Retainer Spring.
 2. Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 12). Secure with Retainer Spring.
 3. Install Clutch Rod in Clutch Lever (Fig. 13 - Inset).
 4. Move Lift Lever (Fig. 11) forward to lower Suspension Arms. Slide Trunnions through Lift Bracket holes and secure with Retainer Springs (Fig. 13).
 5. Roll Belt over Mower Drive Pulley. Make sure Belt is inside Belt Guides (Fig. 14). See Belt Drive Schematic Decal on Mower Housing.
 6. Use Lift Lever (Fig. 11) to raise mower.
- NOTE: SEE MOWER ADJUSTMENT, BELOW.
7. Turn Depth Adjustment Knob clockwise (↻) to the middle of it's travel.

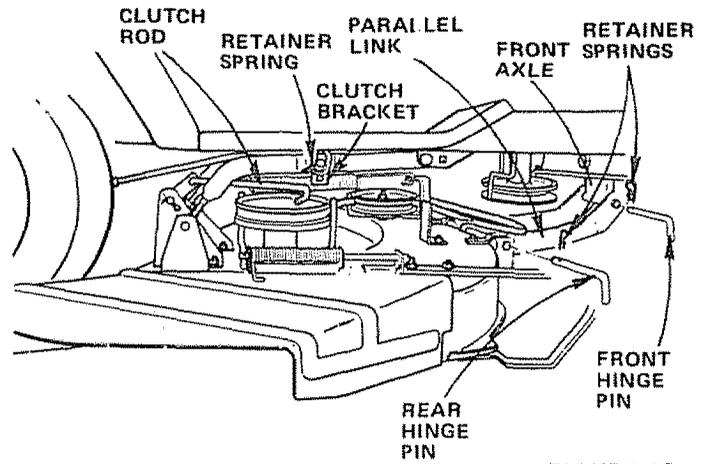


FIGURE 12

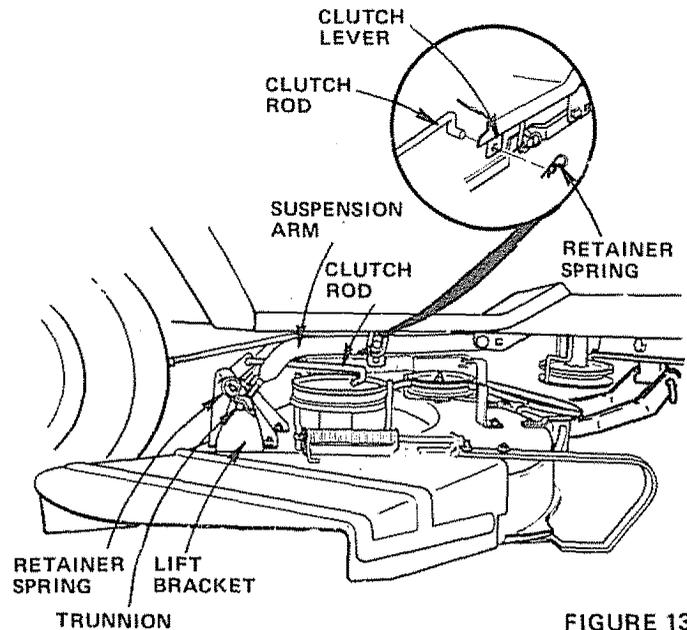


FIGURE 13

MOWER ADJUSTMENT

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "ENGAGED" POSITION. SHUT OFF THE ENGINE. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED, REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.



NOTE: BEFORE CHECKING THE SIDE TO SIDE AND FRONT TO REAR ADJUSTMENTS, PAGE 10, BE SURE PRESSURE IN FRONT TIRES IS 14 PSI AND PRESSURE IN REAR TIRES IS 12 PSI. IF TIRES ARE OVER OR UNDER INFLATED YOU WILL NOT PROPERLY ADJUST YOUR MOWER.

DEPTH ADJUSTMENT

Adjustment for mower height is made with the Depth Adjustment Knob. Raise Mower cutting height by turning Depth Adjustment Knob clockwise (↻). Lower Mower cutting height by turning Depth Adjustment Knob counterclockwise (↺).

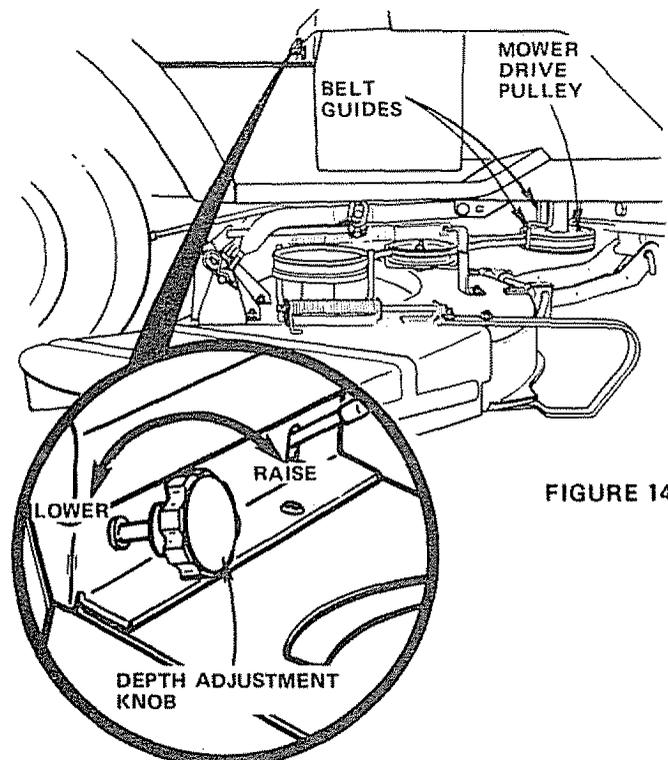


FIGURE 14

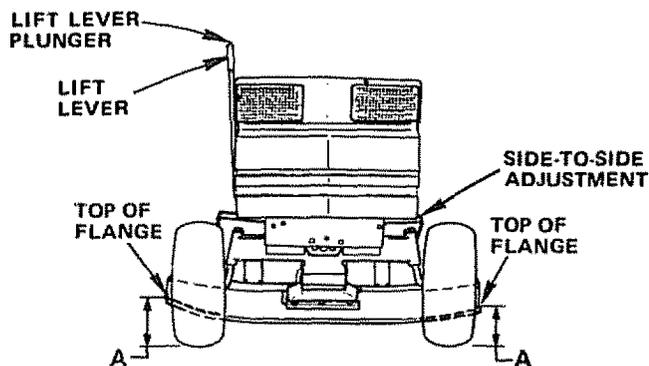


FIGURE 15

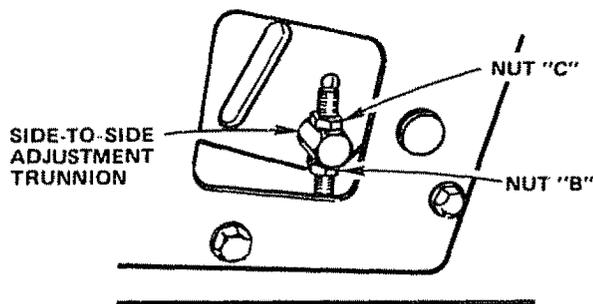


FIGURE 16

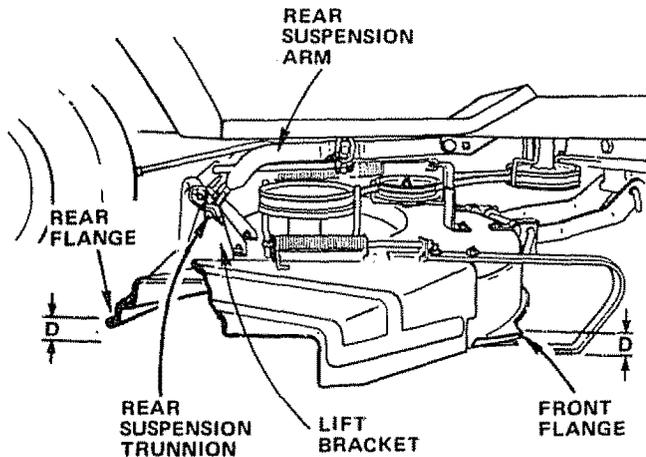


FIGURE 17

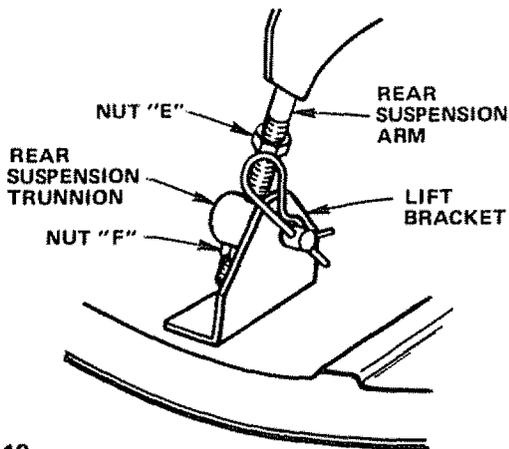


FIGURE 18

LEVEL MOWER FROM SIDE TO SIDE

SEE MOWER ADJUSTMENT, PAGE 9.

1. Park tractor on level surface. Depress Lift Lever Plunger and use Lift Lever to raise mower to maximum cutting height.
2. Measure height of Top of Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15).
3. 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. 16).
4. To raise left side of mower, loosen Nut "B" and tighten Nut "C".
5. To lower left side of mower, loosen Nut "C" and tighten Nut "B".
NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.
6. Be sure all nuts are securely tightened.
NOTE: SEE MOWER ADJUSTMENT, FRONT-TO-REAR, BELOW.

ADJUST MOWER FROM FRONT TO REAR

1. To obtain the best cutting results, your Mower Housing should be adjusted so the Front and Rear Flange distance "D" (Fig. 17) is 5/16" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM SURFACE TO RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT RIGHT FRONT FLANGE.
2. To raise rear of mower, loosen Nut "E" on both Rear Suspension Arms. Screw both Nuts "F" up EQUAL NUMBER OF TURNS (Fig. 18).
3. When distance "D" is 5/16" lower at front than rear, tighten Nut "E".
4. To lower rear of mower, loosen Nut "F" on both Rear Suspension Arms an EQUAL NUMBER OF TURNS (Fig. 18).
5. When distance "D" is 5/16" lower at front than rear, re-tighten Nuts "E".

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

OPERATION - MOWER



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

THE MOWER MUST BE ADJUSTED PROPERLY FROM FRONT TO REAR AND LEVELED FROM SIDE TO SIDE BEFORE OPERATING. THIS IS NECESSARY FOR LEVEL AND EFFICIENT MOWING. REFER TO PAGE 10.

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 19).
2. Push tractor Clutch-Brake Pedal fully into brake position.
3. Place Gear Shift Lever in "NEUTRAL" position.

NOTE: TRACTOR MUST BE IN NEUTRAL AND MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION BEFORE TRACTOR WILL START.

4. Start tractor and set engine speed to about 1/3 to 1/2 throttle before engaging mower. After mower is "ENGAGED" and you have started forward travel, set to FULL THROTTLE.

NOTE: "ENGAGE" OR "DISENGAGE" MOWER BLADE CLUTCH LEVER SLOWLY.



NEVER "ENGAGE" MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.

NOTE: ALWAYS MOW WITH THROTTLE CONTROL IN "FAST" POSITION. THIS RESULTS IN BETTER GRASS CUT, BETTER ENGINE COOLING, AND BETTER FUEL ECONOMY.

5. Use Lift Lever to lower mower into cutting position. Start mowing in the first gear and increase ground speed as conditions will permit. Average cutting height is approximately 2 - 1/2 to 2 - 3/4 inches. Height of cut can be adjusted by means of the Depth Adjustment Knob (Fig. 19). Moving the Knob clockwise (↻) raises the mower (Fig. 14 - Inset). Moving the Knob counterclockwise (↺) lowers the mower.
6. 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. When mowing large areas (Fig. 20) start by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction making left hand turns until finished. If grass is extremely tall, it should be mowed twice. The first time cut relatively high. The second time to the desired height. The left hand side of mower should be used for trimming.

FLIP-UP DISCHARGE GUARD

Your mower has a flip-up Discharge Guard (Fig. 19) for door or gate clearance when held in raised position.



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

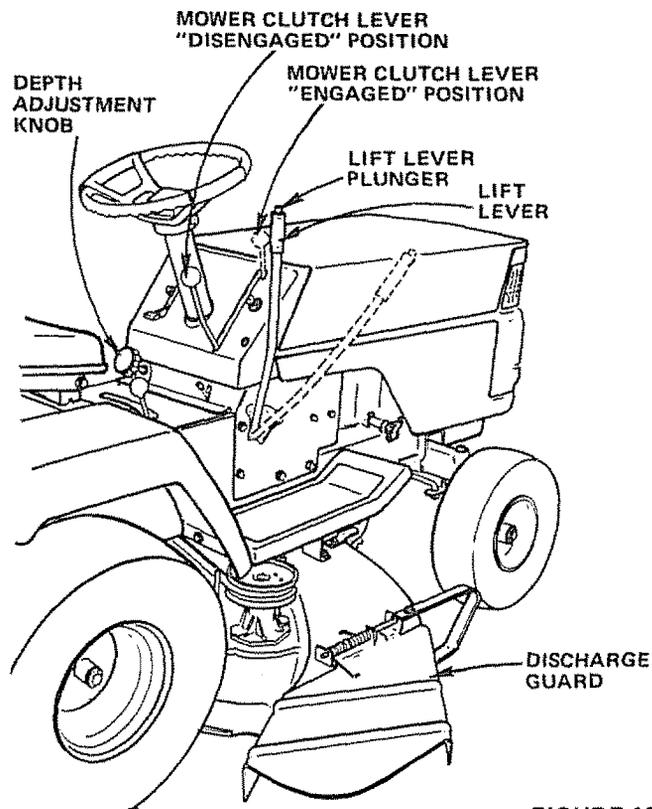


FIGURE 19

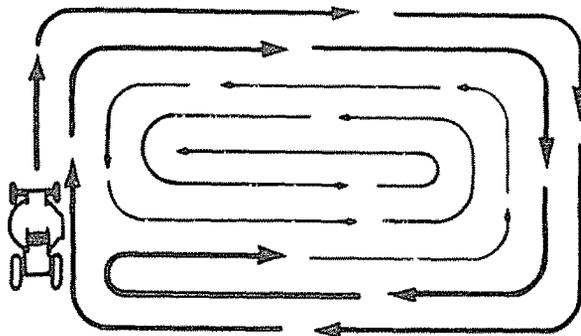


FIGURE 20

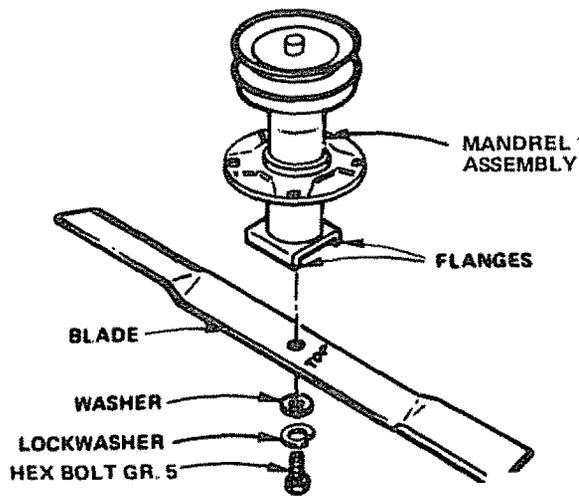


FIGURE 21

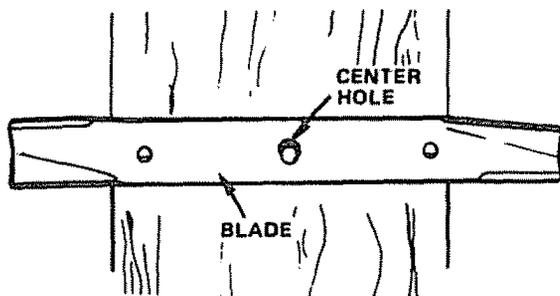


FIGURE 22

MAINTENANCE - MOWER



FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. MOVE GEAR SHIFT LEVER TO "NEUTRAL" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION. TURN IGNITION KEY TO "OFF" POSITION. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED. REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.

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 15 hours of mowing. Do not attempt to sharpen while on mower.

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

To check Blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place Center Hole of clean Blade over the head of the nail (Fig. 22). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 22. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED AND MUST BE REPLACED.

2. To ensure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades. Mower blades can be purchased at any Sears Service Center/Departments and most Sears Retail Stores.

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainers are secure. Keep blades sharp. Observe all safety precautions. Keep mower well lubricated (refer to page 22).

CLEANING MOWER



DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE CLEANING.

Water pressure from a garden hose will remove fresh clippings from underside of mower. Clean mower after each mowing.

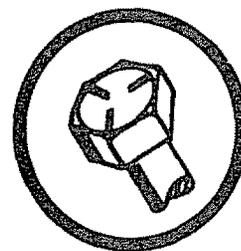
BLADE REPLACEMENT

Raise Mower to highest position to permit access to Blades.

1. Remove Bolt, Lockwasher and Washer (Fig. 21) (turn counterclockwise (↺)).
2. Place new Blade between Flanges, (the word "TOP" is stamped on all Blades to assure proper installation), and secure with Washer, Lockwasher and Bolt previously removed, TIGHTEN SECURELY.



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



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

TRACTOR OPERATION

1. Depress Lift Lever Plunger at top of Mower Lift Lever and move Lever rearward to its "HIGHEST" position (Fig. 23).
2. With engine running and warm, place Throttle Control Lever midway between "FAST" and "SLOW" position.
3. Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24).
4. Move Gear Shift Lever to "1ST" Gear (Fig. 24).
5. Release Clutch-Brake Pedal SLOWLY to start forward movement.
6. If ground travel is too slow, move Throttle Control Lever to "FAST" position or press Clutch-Brake Pedal to stop and shift to a different gear. NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.

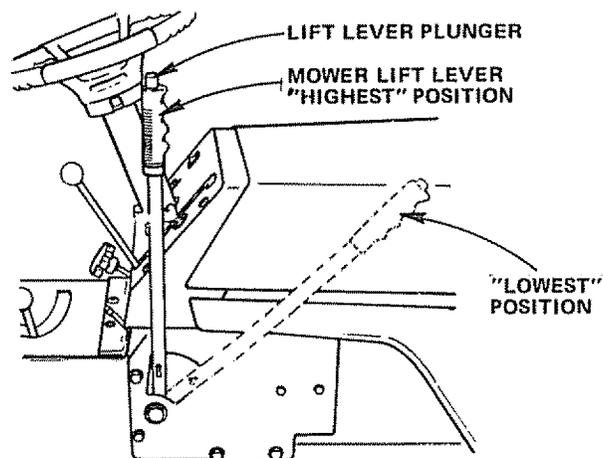


FIGURE 23

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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

NOTE: ALWAYS OPERATE ENGINE AT FULL THROTTLE WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE, LONG ENGINE LIFE AND PROPER DISCHARGE OF CUT MATERIAL. REGULATE GROUND SPEED BY SELECTING A LOW ENOUGH GEAR (FIG. 24) TO GIVE THE MOWER CUTTING PERFORMANCE PLUS QUALITY OF CUT DESIRED.



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

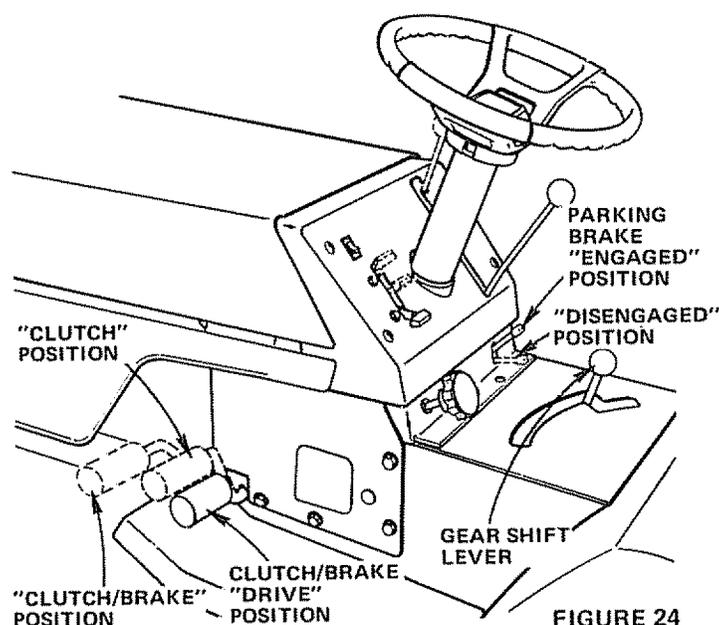


FIGURE 24

TRACTOR OPERATION ON HILLS



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 43.

1. Move Gear Shift Lever to "1ST" Gear before starting up or down hills.
2. **AVOID STOPPING OR SHIFTING ON HILLS.**
 - a. 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.

- b. If stopping is absolutely necessary, push Clutch-Brake Pedal quickly to brake position and engage Parking Brake.
 - c. To restart tractor movement, make sure tractor is in the lowest speed range ("1ST" Gear) and that you have allowed room to roll slightly downhill. Depress Clutch-Brake Pedal fully. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement.
3. Make all turns gradually.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "ENGAGED" position. Raise Parking Brake Lever and hold in "ENGAGED" position (Fig. 24). Release Clutch-Brake Pedal.
4. Move Throttle Control Lever to "SLOW" position.
5. Disengage Mower Blade Clutch Lever.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever in "NEUTRAL" position (Fig. 24). Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

STARTING YOUR TRACTOR WITH A LOW BATTERY

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



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

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



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

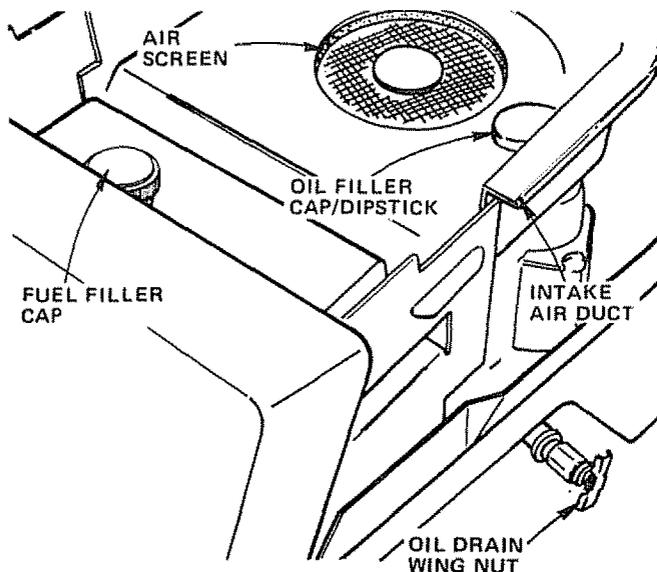


FIGURE 25

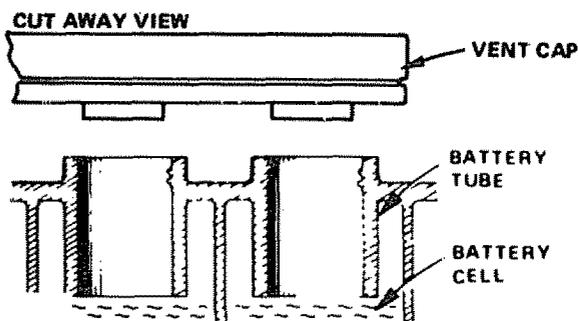


FIGURE 26

MAINTENANCE - TRACTOR

MOWER MAINTENANCE IS LISTED ON PAGE 12.

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule.



REFER TO "STOPPING YOUR TRACTOR" PAGE 13 AND DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR).

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure. Observe all safety precautions. Keep tractor well lubricated (refer to page 22).

FIRST 2 HOURS

1. CHANGE ENGINE OIL

Changing Oil after the first two hours will help eliminate break-in residue which might be damaging to your Engine. NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHANGING OIL.

- a. Drain Oil with Engine warm, Loosen Oil Drain Wing Nut (Fig. 25) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Wing Nut.
- b. Refill Engine Oil. See oil chart, page 7, Refill capacity is 1 quart. NOTE: DO NOT OVERFILL. Replace Dipstick.

FREQUENTLY

1. CHECK BATTERY

- a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 26). Add distilled water if necessary. NOTE: DO NOT OVERFILL.
- b. Keep Battery and Terminals clean.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small Vent holes in Caps open.
- e. Recharge SLOWLY at 3 amperes if necessary.

2. CHECK TIRE PRESSURE

Tire pressure in front Tires should be 14 PSI; rear Tires 12 PSI.

3. CLEAN AIR SCREEN

Air Screen and Intake Air Duct (Fig. 25) must be kept free of dirt and chaff to prevent Engine damage from overheating.

4. CHECK BRAKE OPERATION

This tractor is equipped with an adjustable disc brake mounted on the right side of the transaxle (Fig. 27).



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

NOTE: WHEN ADJUSTING BRAKES DO NOT MOVE 12-POINT BOLT.

NOTE: A 5/64 INCH ALLEN SET SCREW WRENCH IS REQUIRED TO ADJUST THE BRAKE.

- To adjust, tighten Set Screw (Fig. 27) clockwise (↻) until Disc Brake can not be moved by hand. Now loosen Set Screw by turning counterclockwise (↺) 1/2 turn. NOTE: PARKING BRAKE MUST BE DISENGAGED WHILE MAKING ADJUSTMENT.
- Depress Clutch-Brake Pedal and engage Parking Brake.
- Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- If distance is other than 1 - 1/2", turn Nut "A" until distance becomes 1 - 1/2".

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

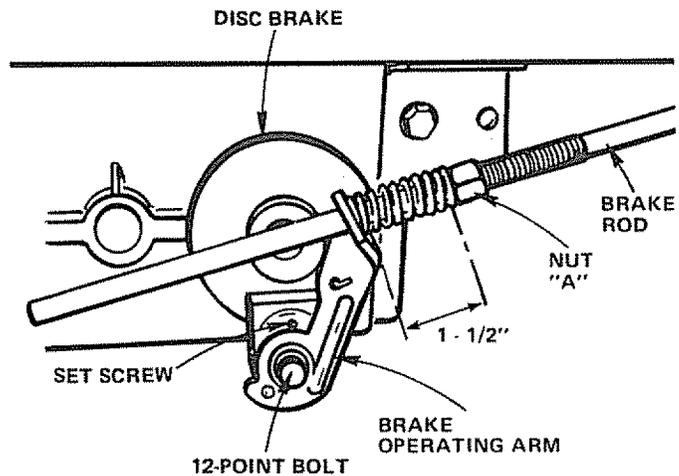


FIGURE 27

EVERY 5 HOURS

CHECK ENGINE OIL LEVEL



DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick clean (Fig. 29), screw it in tight for a few seconds, remove slowly and read Oil level. If necessary, add Oil until "FULL" mark is reached.

EVERY 25 HOURS

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR CLEANER ELEMENT (FIG. 28).

- Open Hood, Pull Intake Air Duct up off engine.
- Remove two screws from Air Cleaner Cover. Lift off Air Cleaner.
- Remove Screen and Spacers from Foam Element.
- Remove Foam Element from Air Cleaner Body.
- Wash Foam Element in liquid detergent and water to remove dirt.
- Wrap foam in cloth and squeeze dry.
- Saturate foam in engine oil. Squeeze to remove excess oil.
- Assemble parts - securely fasten to carburetor with screws.

When assembling make certain the lip of the Foam Element extends over edge of the Air Cleaner Body. The Foam Element lip will form a protective seal.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER OR INTAKE AIR DUCT REMOVED.

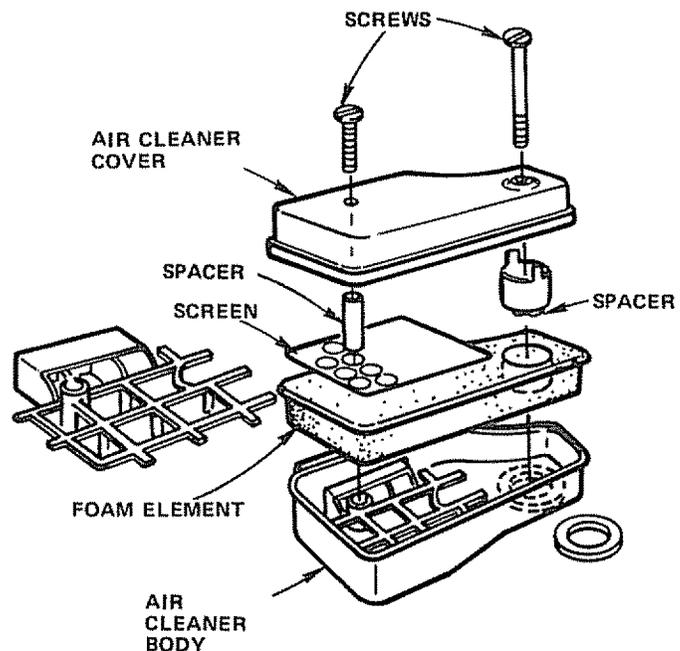


FIGURE 28

2. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot Oil. See oil chart, page 7.

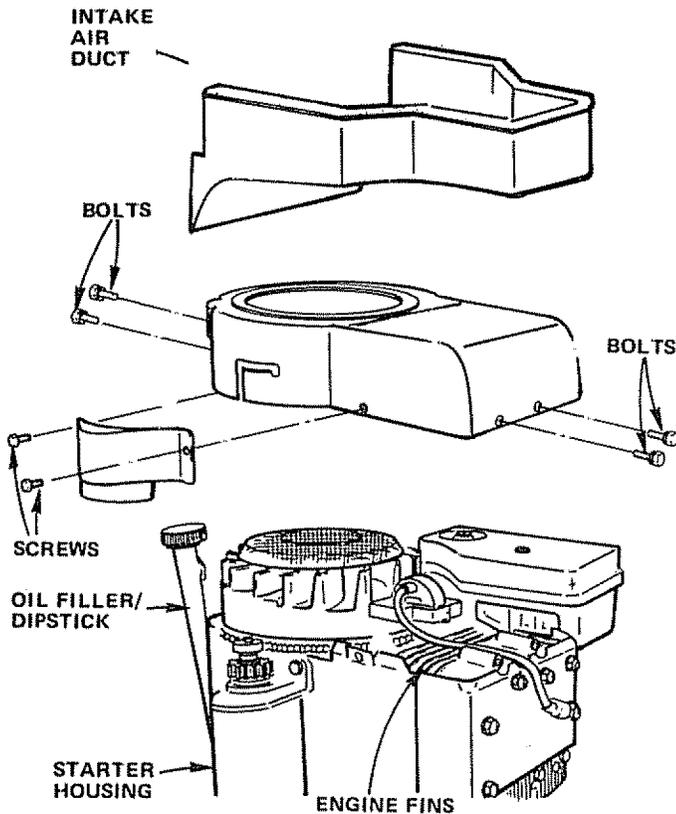


FIGURE 29

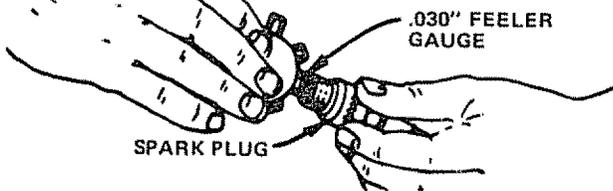


FIGURE 30

EVERY 50 HOURS

1. CLEAN ENGINE COOLING FINS

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

- Pull up to remove Intake Air Duct (Fig. 29).
- Remove four Bolts from blower housing.
- Remove Screws from Starter Housing.
- Pull Oil Filler/Dipstick out of crankcase if clearance is required. Cover opening to prevent entry of dirt.

Pull blower housing up and away from starter.
NOTE: LEAVE AIR CLEANER IN PLACE TO PREVENT DEBRIS FROM GETTING INTO CARBURETOR.

- Use compressed air or stiff bristle brush to thoroughly clean Engine Fins.



WEAR SAFETY GLASSES IF USING COMPRESSED AIR.

- To reassemble, reverse above procedure.

2. MUFFLER

Do not operate the tractor without a Muffler or tamper with the exhaust system.



DO NOT TOUCH HOT MUFFLERS, CYLINDERS OR FINS AS CONTACT MAY CAUSE BURNS.

Periodically clean the muffler area to prevent grass, dirt and combustible material from accumulating. Damaged Mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

EVERY 100 HOURS

The Spark Plug should be changed every 100 hours of operation, or at the beginning of each mowing season. To remove the Spark Plug a Deep Well 13/16" Socket is required. Set Spark Plug gap at .030 inch (Fig. 30).

EVERY 200 HOURS

REPLACE AIR CLEANER ELEMENT

AS NEEDED:

CARBURETOR ADJUSTMENT (FIG. 31)

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment. CAUTION: BEFORE ANY ENGINE ADJUSTMENT, MAKE SURE AIR CLEANER IS CLEAN. SEE PAGE 16. Remove Air Cleaner Assembly.

1. HIGH SPEED SETTING

- a. With engine off, place Throttle Control in "FAST" position.
- b. Loosen Clamp Screw. Adjust Throttle Cable until holes "A" are aligned in Governor Control Plate and Slide Plate.
- c. Tighten Clamp Screw.

2. HIGH SPEED MIXTURE

- a. Turn High Speed Mixture Screw clockwise (↻) closing finger tight ONLY, and then turn counterclockwise (↺) 1 - 1/2 turns (Fig. 31).
NOTE: VALVES MAY BE DAMAGED BY TURNING THEM TOO FAR.
- b. Start Engine and allow to warm for five minutes. Make final adjustments with Engine running and Gear Shift Lever in "NEUTRAL" position.
- c. With Throttle Control Lever in "FAST" position, turn High Speed Mixture Screw counterclockwise (↺) until engine runs "rough" then turn clockwise (↻) until engine begins to miss. Turn Screw to a point midway between these positions.

3. IDLE MIXTURE

- a. With Throttle Control Lever in "SLOW" position, hold Throttle Lever so that Idle Stop Screw is against Carburetor, turn Idle Mixture Screw counterclockwise (↺) until engine runs "rough" and then turn clockwise (↻) until engine begins to die. Turn Idle Mixture Screw to a point midway between these positions.

4. IDLE SPEED SETTING

- a. With Throttle Control Lever in "SLOW" position, engine should idle at 1750 RPM. If engine idles too slow, push Throttle Control Lever above idle and turn Idle Speed Screw one turn clockwise (↻). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.
- b. If engine idles too fast with Throttle Control Lever in "SLOW" position, push Throttle Control Lever above idle and turn Idle Speed Screw one turn counterclockwise (↺). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.

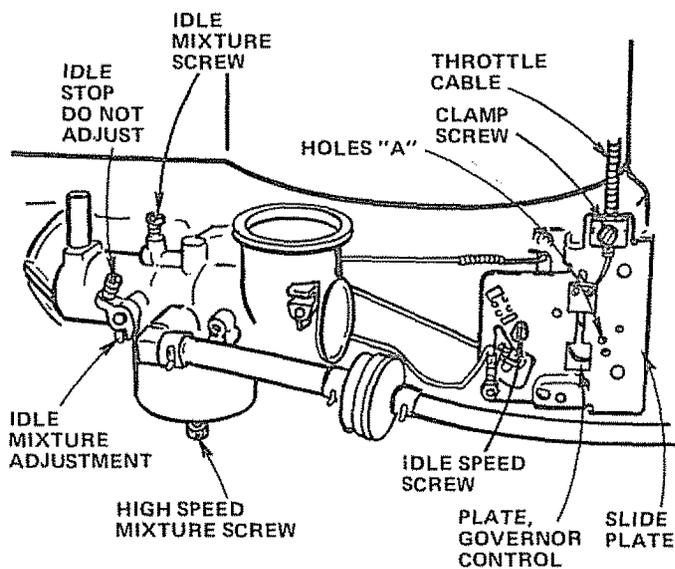


FIGURE 31

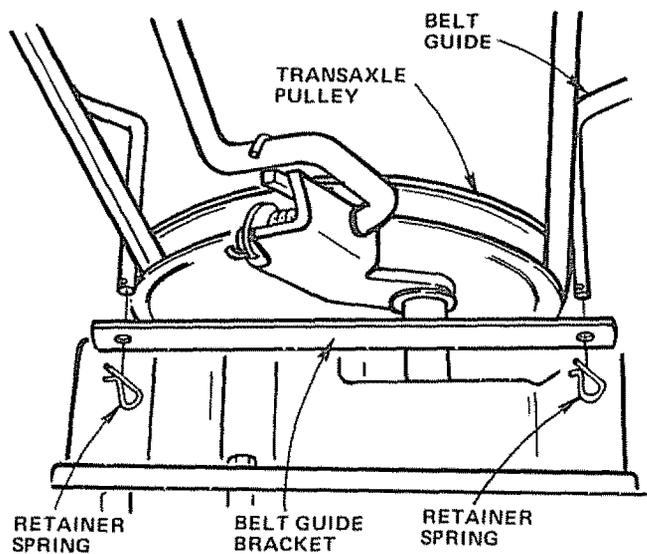


FIGURE 32

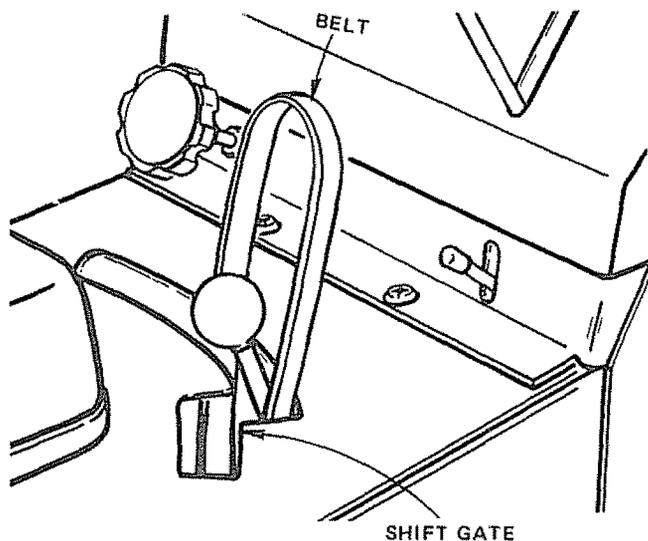
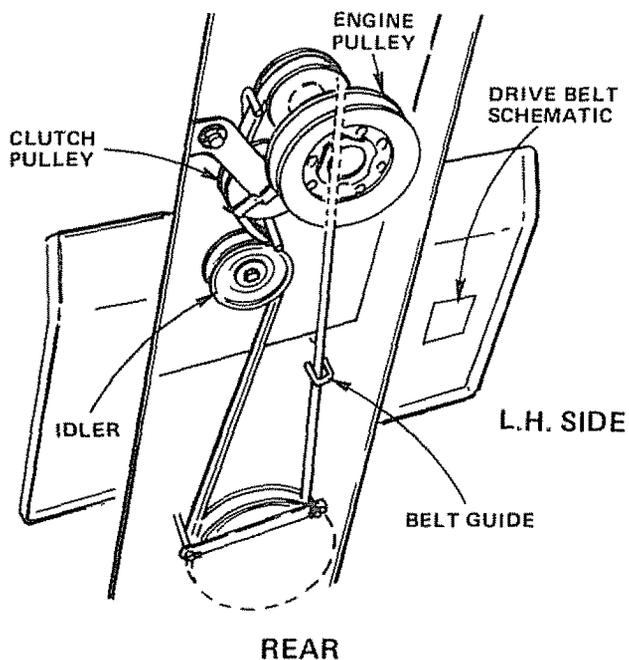


FIGURE 33



VIEWED FROM BOTTOM OF TRACTOR
FIGURE 34

5. REPLACE TRACTOR MOTION DRIVE BELT

The tractor Drive Belt may be replaced without tools. Park the tractor on level area, Engage Parking Brake. NOTE: BELT INSTALLATION DECAL UNDER LEFT FOOT-REST.

- Remove mower. (See Mower Section, page 20).
- Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 32).
- Swing Belt Guides away from Belt, toward rear of tractor (Fig. 32).
- Roll Belt over top of Transaxle Pulley.
- Roll Belt over Engine Pulley and off Idler (Fig. 34).
- Release Parking Brake. Pull Belt as far as possible over top of Clutch Pulley.
- Reset Parking Brake. Pull Belt over top of Clutch Pulley (Fig. 34).
- Pull Belt out through Shift Gate to remove from tractor (Fig. 33).

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

6. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power.



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

- 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 a 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 Vaseline.

7. TIRE CARE

- a. Maintain tire pressure in front tires at 14 PSI and rear tires at 12 PSI.
- b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- d. Removing front wheel for tire repair (Fig. 35).
 - Block up front axle securely. Pull off Dust Cap.
 - Remove Klip Ring and Washer and remove wheel.
 - Repair tire and reassemble. Replace Washer, snap Klip Ring securely in axle groove. Replace Dust Cap.
- e. Removing rear wheel for tire repair (Fig. 36).
 - Block up rear axle securely. Pull off Dust Cap.
 - Remove E-Ring and Washers (1 to 3 as required) and remove wheel.
 - Repair tire and reassemble. Replace Square Key in Axle Shaft.
 - Replace Washers, E-Ring and Dust Cap.

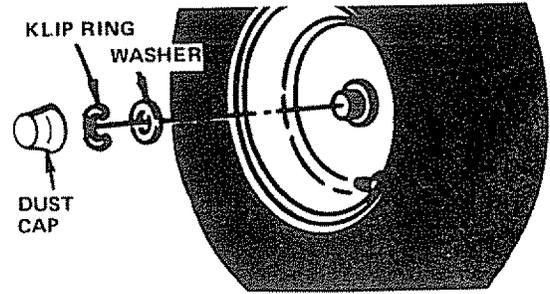


FIGURE 35



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

8. FINISH

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

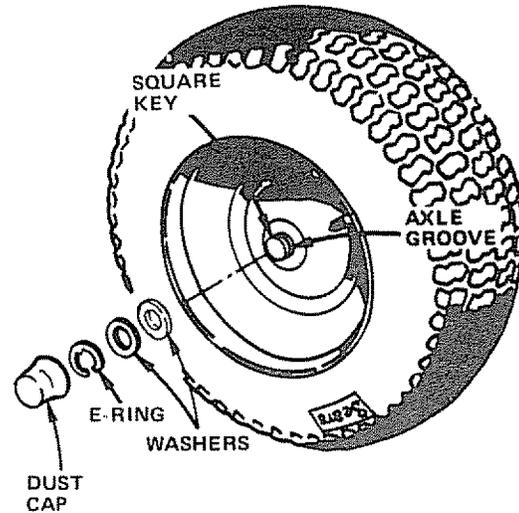


FIGURE 36

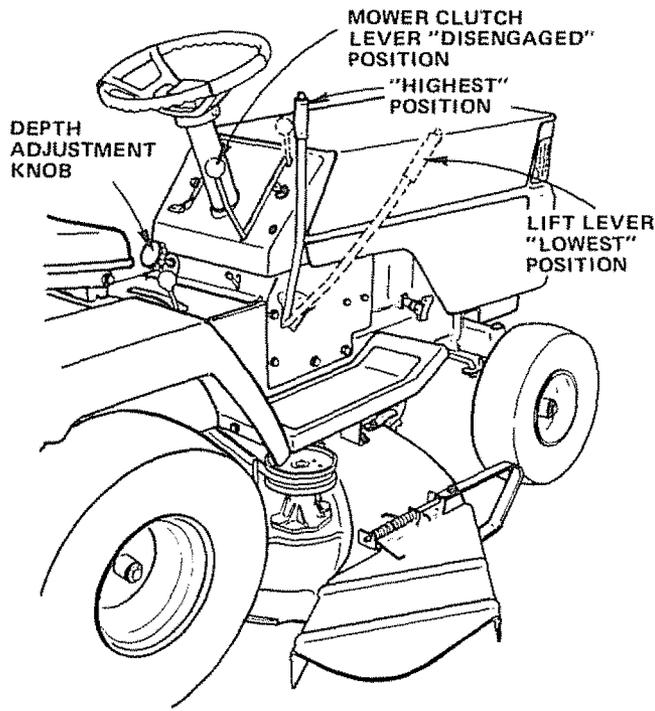


FIGURE 37

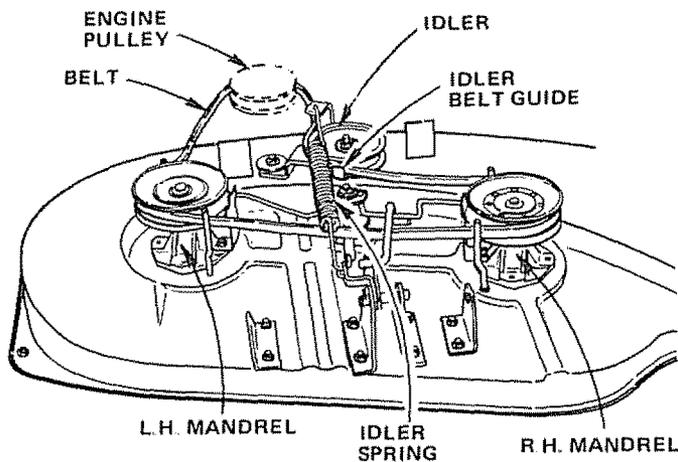


FIGURE 38

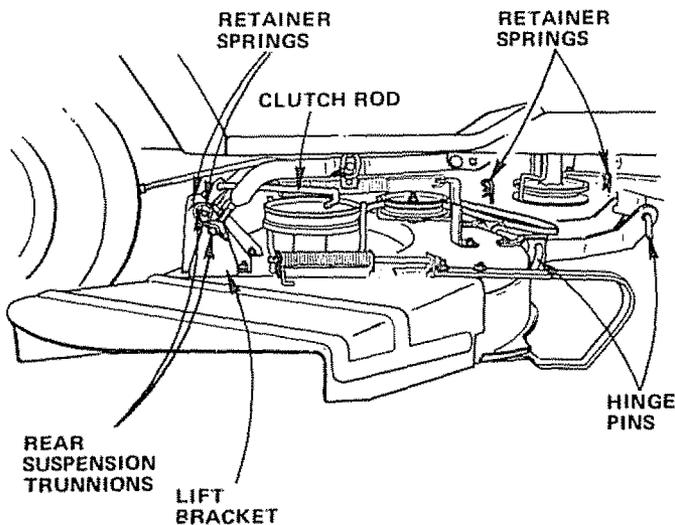


FIGURE 39

TO REMOVE MOWER BELT

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 37).
2. Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 37) forward to lower Mower to its lowest position.
3. Roll Belt off Engine Pulley (Fig. 38).
4. Pull Belt off both Mandrels.
5. Spring Belt Guide away from Idler Pulley and pull Belt off Idler Pulley.
6. Slide Belt from under Idler Spring.

TO REPLACE MOWER BELT

1. Slide Belt under Idler Spring (Fig. 38).
2. Place Belt on rear side of both Mandrels.
3. Spring Idler Belt Guide down and place Belt around rear side of Idler Pulley.
4. Roll Belt over Engine Pulley.

TO REMOVE MOWER

1. Remove mower Belt per instructions under "To Remove Mower Belt", through step 3.
2. Turn Depth Adjustment Knob to lowest position. Use Lift Lever to lower mower to its lowest position.
3. Remove Retainer Spring from Clutch Rod; pull Clutch Rod out of Clutch Bracket.
4. Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 39).
5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin.
6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 39).
7. Use Lift Lever to raise Suspension Arms. Slide mower out from under tractor.

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.

TROUBLE SHOOTING

POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START Shift Lever in gear Mower Blade Clutch Lever engaged No gasoline in Fuel Tank, clogged Fuel Line, or Fuel Filter Blown Fuse Dead Battery	Place in neutral Disengage Lever (Fig. 10). Be sure Lever is in bottom of slot Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary) Replace Fuel Filter. Check for fault and replace Fuse Recharge or replace Battery
HARD TO START Choked improperly, flooded Engine Clogged Fuel System Dirty Air Cleaner Spark Plug dirty or improper gap Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel Improper Carburetor adjustment	Place Throttle Control in "FAST" position (Fig. 10) and run starter several times to clear out gas Remove and clean Tank and lines. Replace Fuel Filter Remove and clean (Fig. 28) Clean, adjust gap or replace (Fig. 30) Recharge or replace Check the wiring and Spark Plug Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug Make necessary adjustments (Fig. 31)
ENGINE MISSES OR LACKS POWER Engine overload Clogged Fuel Tank or Fuel Filter Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Engine Air Screen Low oil level or dirty oil Spark Plug dirty, improper gap or wrong type Faulty ignition Poor compression Oil in gasoline	Shift to a lower gear (Fig. 24) or reduce load Remove and clean Tank; replace Fuel Filter Remove and clean (Fig. 28) Make necessary adjustments (Fig. 31) Clean Air Screen (Fig. 25) Add or change oil (page 14) Replace Spark Plug (Fig. 30) Check Spark Plug and for loose wires Major Engine overhaul Drain Gas Tank and Carburetor and refill
ENGINE OVERHEATS Dirty Air Screen Low oil level or dirty oil Dirty Engine Partially plugged Muffler Partially plugged Air Cleaner Stale fuel or improper Carburetor adjustment	Clean Air Screen (Fig. 25) Add or change oil (page 14) Clean Engine Cooling Fins (page 16) Remove and clean Muffler or replace Remove and clean (Fig. 28) Use fresh fuel and adjust Carburetor (Fig. 31)
NO LIGHTS No Headlights with Light Switch on and Engine running	Check Fuse, Switch and wire connections. Replace Headlight Bulbs
WON'T CHARGE Blown Fuse Defective Battery Defective Diode Assembly Defective Alternator	Check for fault and replace Replace Replace Replace
UNSATISFACTORY MOWER PERFORMANCE Tires not inflated properly Mower improperly adjusted Grass high or wet Incorrect engine RPM's Excessive wear to outer cutting tip of mower blade Improper mower blade installation Incorrect mower blade	Check air pressure in tires (page 6) Check front to rear and side to side mower adjustment (page 10) Use a slower ground speed (refer to Mower Operating Instructions, page 11) Check engine RPM's (refer to Carburetor Adjustment, page 17) Replace mower blade Reinstall with top of blade up Replace with proper mower blade

STORAGE

1. FUEL SYSTEM

- Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

2. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. (See chart, page 7).

3. CYLINDER

- Remove Spark Plug.
- Pour one ounce of engine oil through spark plug hole into cylinder.

- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new Spark Plug.

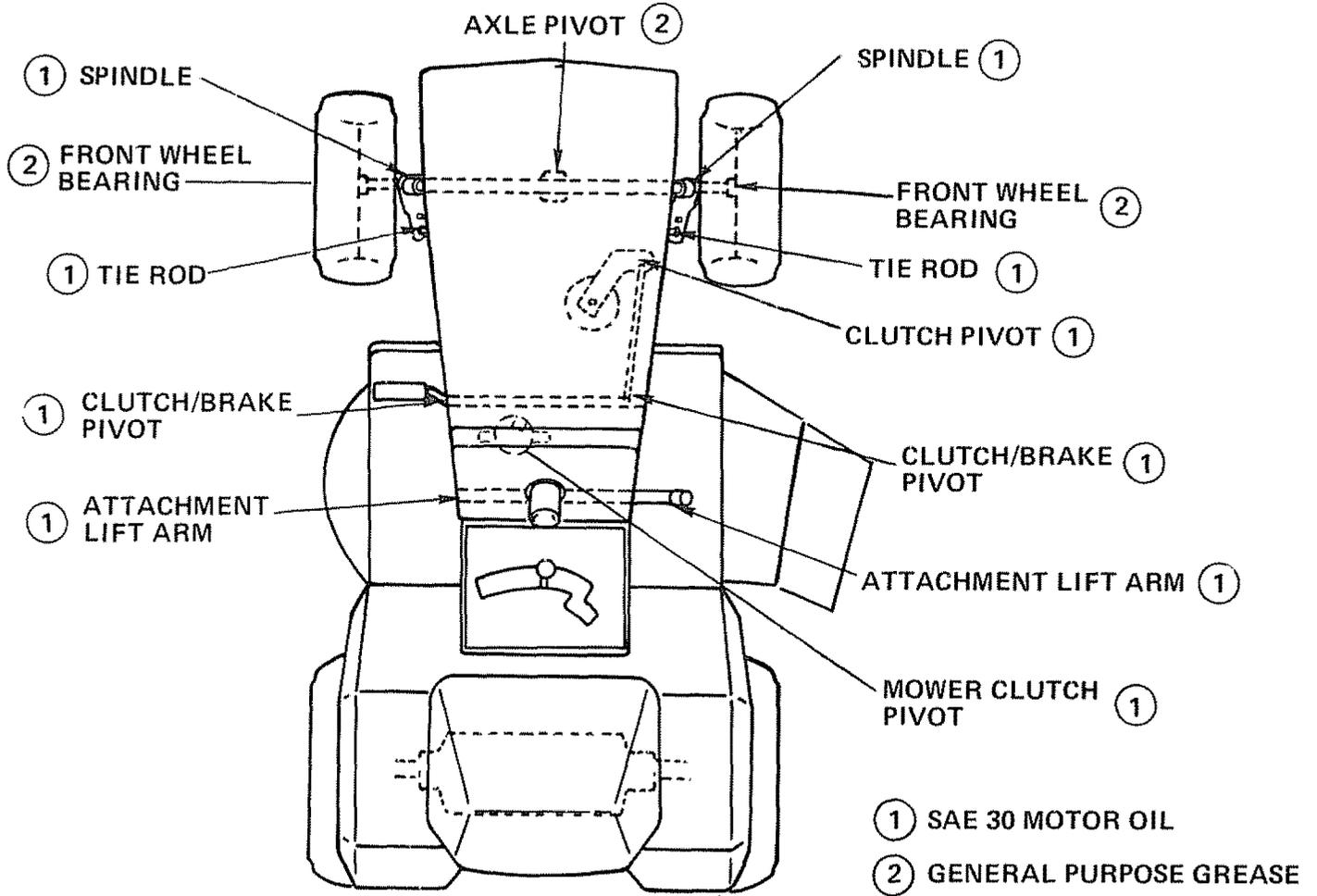
4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F.).
- Re-charge each month if necessary. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

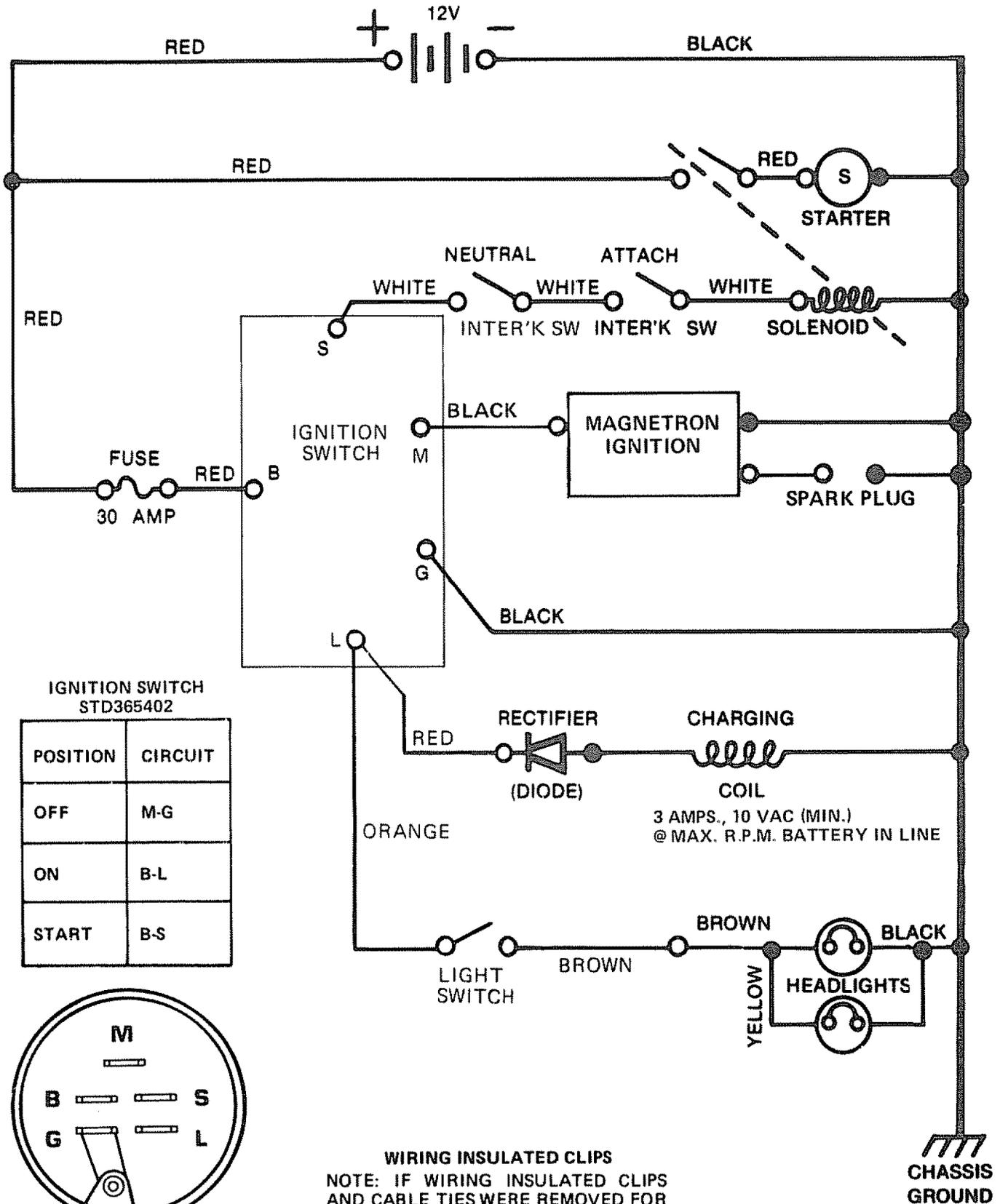
Clean engine, battery, finish, seat, etc of all foreign matter.

LUBRICATION CHART



SERVICE RECORD	FREQUENTLY EVERY 5 HOURS EVERY 25 HOURS EVERY 50 HOURS EVERY 100 HOURS EVERY 200 HOURS					SERVICE DATES
	FREQUENTLY	EVERY 5 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	
Check Engine Oil Level	✓					
Change Engine Oil (see chart, page 7)		✓				
Lubricate Pivot Points ① and ②	✓	✓				
Check Brake Operation	✓					
Clean Air Screen and Air Intake Duct	✓					
Clean Air Cleaner Element		✓				
Replace Air Cleaner Element				✓		
Clean Engine Cooling Fins			✓			
Replace Spark Plug				✓		
Check Battery Level	✓					
Check Tire Pressure	✓					
Replace Fuel Filter					✓	

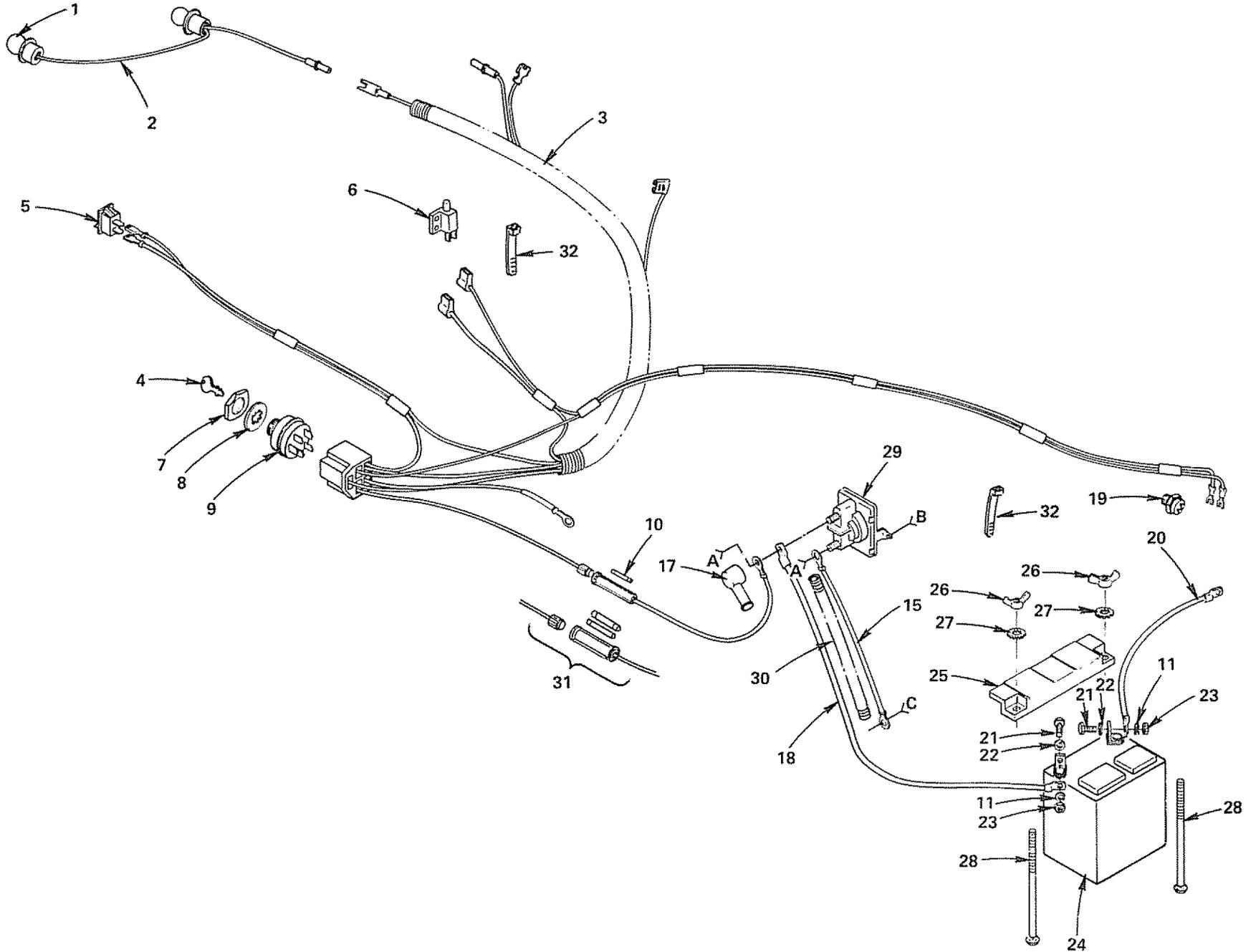
SCHEMATIC



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ELECTRICAL



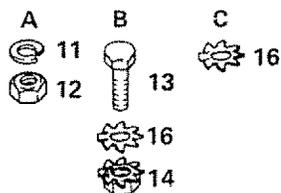
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7662J	Bulb, Light	17	719J	Cover, Terminal
2	105386X	Harness, Light Socket	18	5114J	Cable, Battery
3	106480X	Harness, Ignition	19	105737X	Switch, Interlock
4	STD365410	Key Set	20	2033J	Cable, Battery
5	105381X	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	3258J	Nut, Hex 5/8 - 32	23	STD541025	*Nut, Hex 1/4 - 20
8	11151000	Washer, Lock, Int. Tooth, 5/8	24	104923X	Battery, 12V., Sears
9	STD365402	Switch, Ignition	25	105371X	Terminal Guard
10	STD380300	*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	Battery Bolt (Bolt - Carriage, Rd. Hd. Sq. Neck 1/4 - 20 x 7 - 1/2)
13	STD522505	*Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	29	2008J	Solenoid
14	73510400	Nut, Keps 1/4 - 20	30	106552X	Cover - Cable, 9"
15	4559J	Cable Assembly	31	106580X	Kit, Replacement Fuseholder
16	11050400	Washer Lock, Ext. Tooth, 1/4	32	7192J	Cable Tie
			---	101539X	Sheet - Instruction, Tractor 15 ⁰ Slope
			---	106738X	Owners Manual

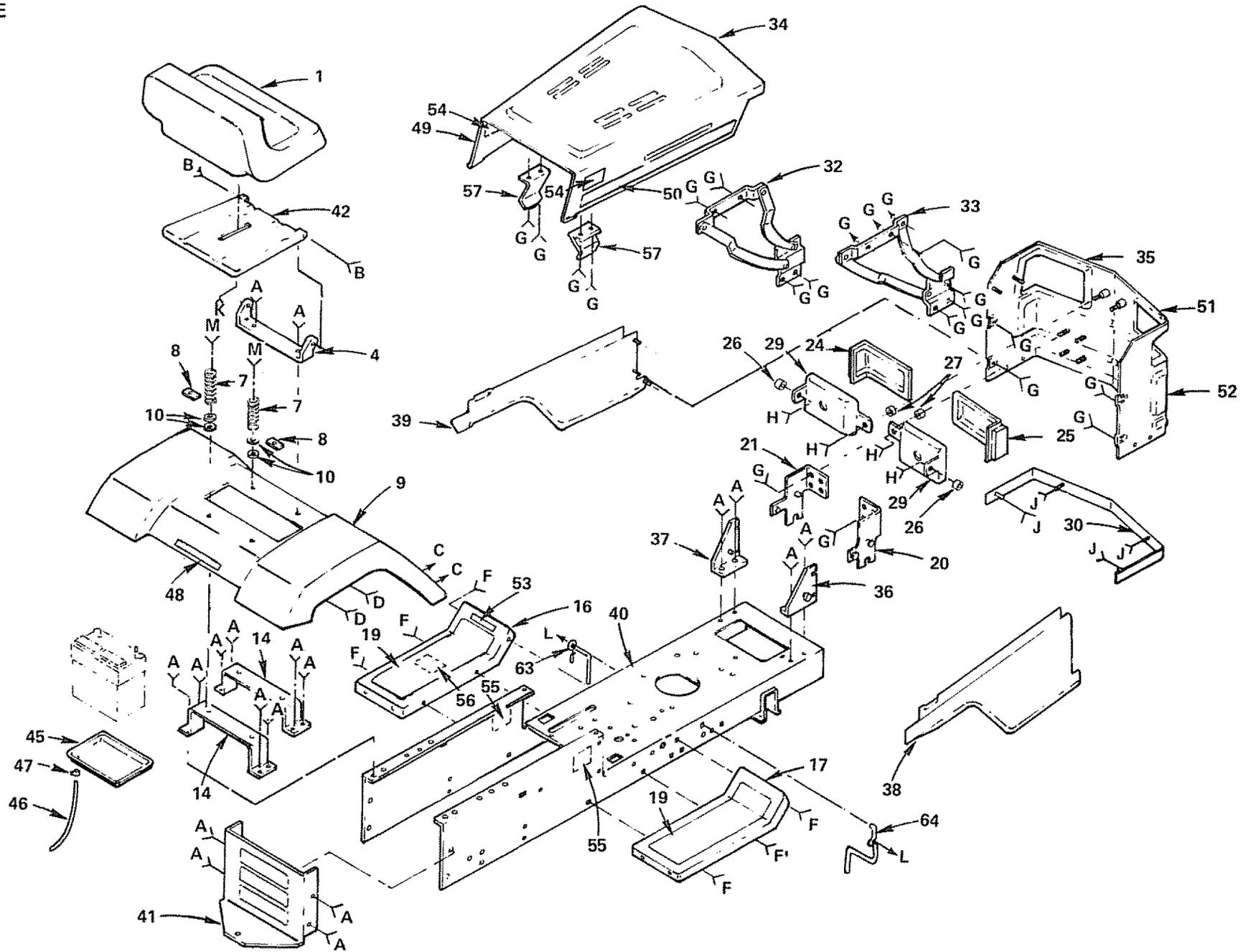
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ENCLOSURE



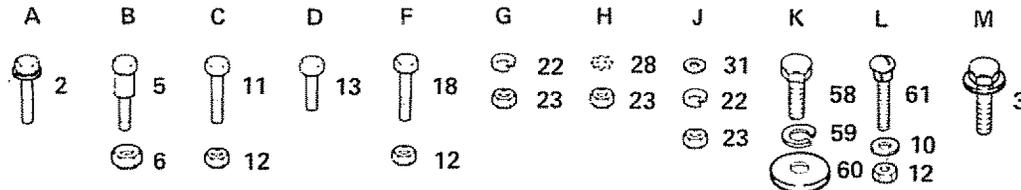
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ENCLOSURE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105873X	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 5/8 - 16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	105604X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16 - 18	37	105606X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16 - 18	38	105683X	Side Panel, R.H.
7	105512X	Spring - Compression	39	105684X	Side Panel, L.H.
8	105514X	Clamp, Spring	40	105666X	Chassis Assembly
9	105274X	Fender	41	102481X	Drawbar
10	19132012	Washer, 13/32 x 1 - 1/4 x 12 Ga.	42	105516X	Pan - Seat
11	STD523707	*Bolt, Hex, 3/8 - 16 x 3/4	45	105372X	Tray, Battery
12	73680600	Nut, Lock 3/8 - 16	46	105687X	Tube - Plastic
13	17490608	Screw, Hex Washer Thd. Roll 3/8 - 16 x 1/2	47	6999R	Clamp, Hose
14	105753X	Bracket, Fender	48	105801X	Decal - Reflective, Rear
16	105465X	Footrest, L.H.	49	105802X	Decal, Stripe, L.H.
17	105464X	Footrest, R.H.	50	105803X	Decal, Stripe, R.H.
18	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4	51	105806X	Decal, Grill Craftsman
19	105466X	Pad, Footrest	52	105807X	Decal, Grill, Stripe
20	105600X	Bracket, Pivot, Grill, R.H.	53	4900J	Decal, Clutch/Brake
21	105602X	Bracket, Pivot, Grill, L.H.	54	105805X	Decal, 11 H.P.
22	STD551125	*Washer, Lock, 1/4	55	105809X	Decal, 5 Speed, 38"
23	STD541025	*Nut, Hex, 1/4 - 20	56	105813X	Decal, V-Belt Schematic
24	105615X	Lens, L.H.	57	105774X	Clip, Hold Down M.L.A.
25	105614X	Lens, R.H.	58	74780812	Bolt, Hex 1/2 - 13 x 3/4
26	105776X	Spacer, .28 x .75 x .20	59	10110800	Washer - Lock - Light 1/2
27	105777X	Spacer, .28 x .75 x .46	60	19171912	Washer 17/32 x 1 - 3/16 x 12 Ga.
28	11030400	Washer, Lock, Int. - Ext. Tooth, 1/4	61	STD523710	*Bolt, Hex 3/8 - 16 x 1
29	105268X	Bezel	63	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
30	105685X	Strap Assembly, Grill	64	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
31	STD551025	*Washer, 9/32 x 5/8 x 16 Ga.			
32	105797X	Hinge, Hood, L.H.			

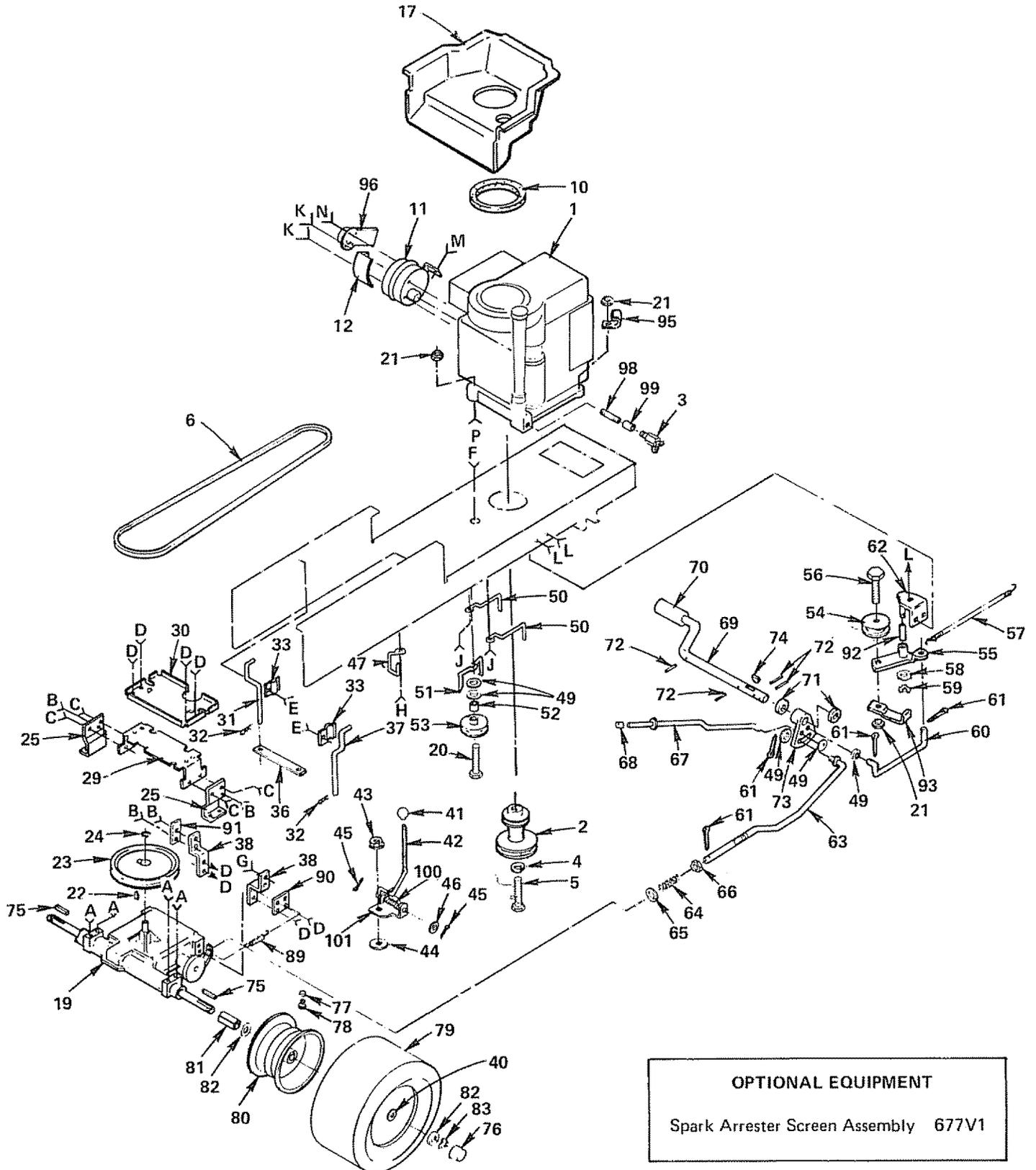
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

DRIVE



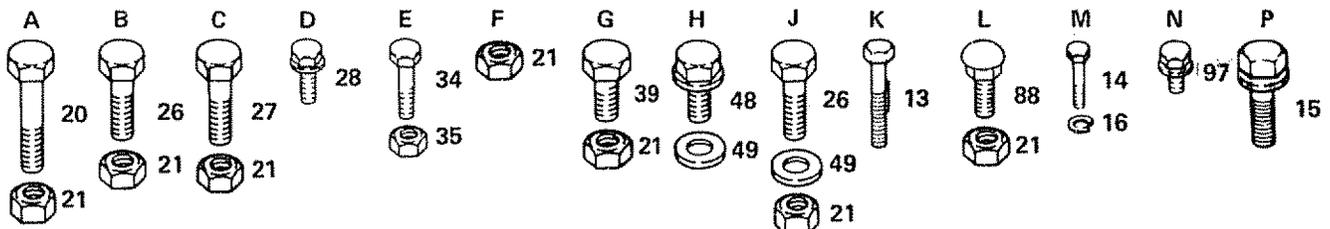
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	101325N	Engine, 11 H.P. Model No. 252707, Type No. 0669-01	49	19131312	Washer 13/32 x 13/16 x 12 Ga.
2	105731X	Pulley, Engine	50	105730X	Keeper, Belt, Engine
3	9767H	Valve, Drain Oil	51	106191X	Keeper, Belt
4	STD551143	*Washer, Lock, 7/16	52	4470J	Spacer
5	74770728	Bolt, Hex 7/16 - 20 x 1 - 3/4	53	4859J	Idler, Flat
6	105732X	V-Belt, Drive	54	106298X	Pulley, Idler
10	106163X	Foam, Strip	55	105705X	Bellcrank Assembly (Inc. Key No. 89)
11	101273M	Muffler	56	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
12	101159L	Shield, Heat	57	105709X	Spring, Return, Clutch
13	74780552	Bolt, Hex Hd. 5/16 - 18 x 3 - 1/4 Gr. 5	58	207J	Washer, Hardened
14	STD522505	Bolt, Hex 1/4 - 20 x 1/2 Gr. 5	59	12000039	Ring, Klip
15	17490620	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 1 - 1/4	60	105710X	Link, Clutch
16	STD551125	*Washer, Lock 1/4	61	76020412	Pin, Cotter 1/8 x 3/4
17	106213X	Duct, Intake, Air	62	105724X	Bracket, Clutch
19	105877X	Transaxle, 5 Speed, Model No. 4150-6 (See pages 36 and 37 for parts breakdown)	63	105752X	Rod, Brake
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	64	105757X	Spring, Rod, Brake
21	73680600	Nut, Lock 3/8 - 16	65	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
22	STD580025	*Key, Woodruff	66	73930600	Nut, Lock 3/8 - 16
23	105703X	Pulley, Transaxle	67	105758X	Rod, Brake, Parking
24	12000028	Ring, Retainer	68	71673	Cap - Plunger
25	3723J	Bracket, Transaxle	69	105720X	Shaft, Foot Pedal
26	STD523710	*Bolt, Hex 3/8 - 16 x 1	70	8883R	Cover - Pedal
27	STD523712	*Bolt, Hex 3/8 - 16 x 1 - 1/4	71	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
28	17490512	Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4	72	STD571810	*Pin, Roll, 3/16 x 1
29	105638X	Bracket, Support	73	105733X	Arm, Brake
30	105639X	Support, Battery	74	STD580025	*Key, Woodruff
31	106188X	Keeper, Belt, L.H.	75	STD580105	*Key, Square 3/16 x 2
32	4921H	Retainer, Spring	76	104757X	Cap, Hub, Rear
33	106190X	Clamp	77	59192	Cap, Valve
34	STD523107	*Bolt, Hex 5/16 - 18 x 3/4	78	65139	Stem, Valve
35	73680500	Nut, Lock 5/16 - 18	79	106268X	Tire, Rear - 18 x 9.50 x 8
36	106294X	Strap, Locator	---	7152J	Tube, Tire (not furnished with tractor)
37	106189X	Keeper, Belt, R.H.	80	106108X	Rim Assembly, Rear
38	105842X	Strap, Torque, Transaxle	81	105702X	Spacer, Split
39	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	82	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
40	19252516	Washer 25/32 x 1 - 9/16 x 16 Ga.	83	12000001	E-Ring
41	6465R	Knob, Shift	88	STD533707	*Bolt, Carriage 3/8 - 16 x 3/4
42	105699X	Rod, Shift	89	106319X	Spring - Ext.
43	73960500	Nut - Lock, Whiz 5/16 - 18	90	106320X	Bracket - Spring
44	105701X	Washer - Shift, Plate	91	106157X	Plate - Strap, Torque
45	STD561210	*Cotter Pin, 1/8 x 1	92	105706X	Bearing
46	19151216	Washer 15/32 x 3/4 x 16 Ga.	93	106499X	Retainer - Belt
47	104777X	Retainer, Belt	95	2751R	Clip - Insulated
48	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	96	106407X	Deflector, Muffler
			97	17390806	Screw, Hex Washer No. 8 - 32 x 3/8
			98	13280312	Nipple, Pipe, 3/8 NPT x 1 - 1/2
			99	13300300	Coupling, Pipe Std. 3/8 - 18 NPT
			100	105700X	Spring
			101	106630X	Plate, Shift

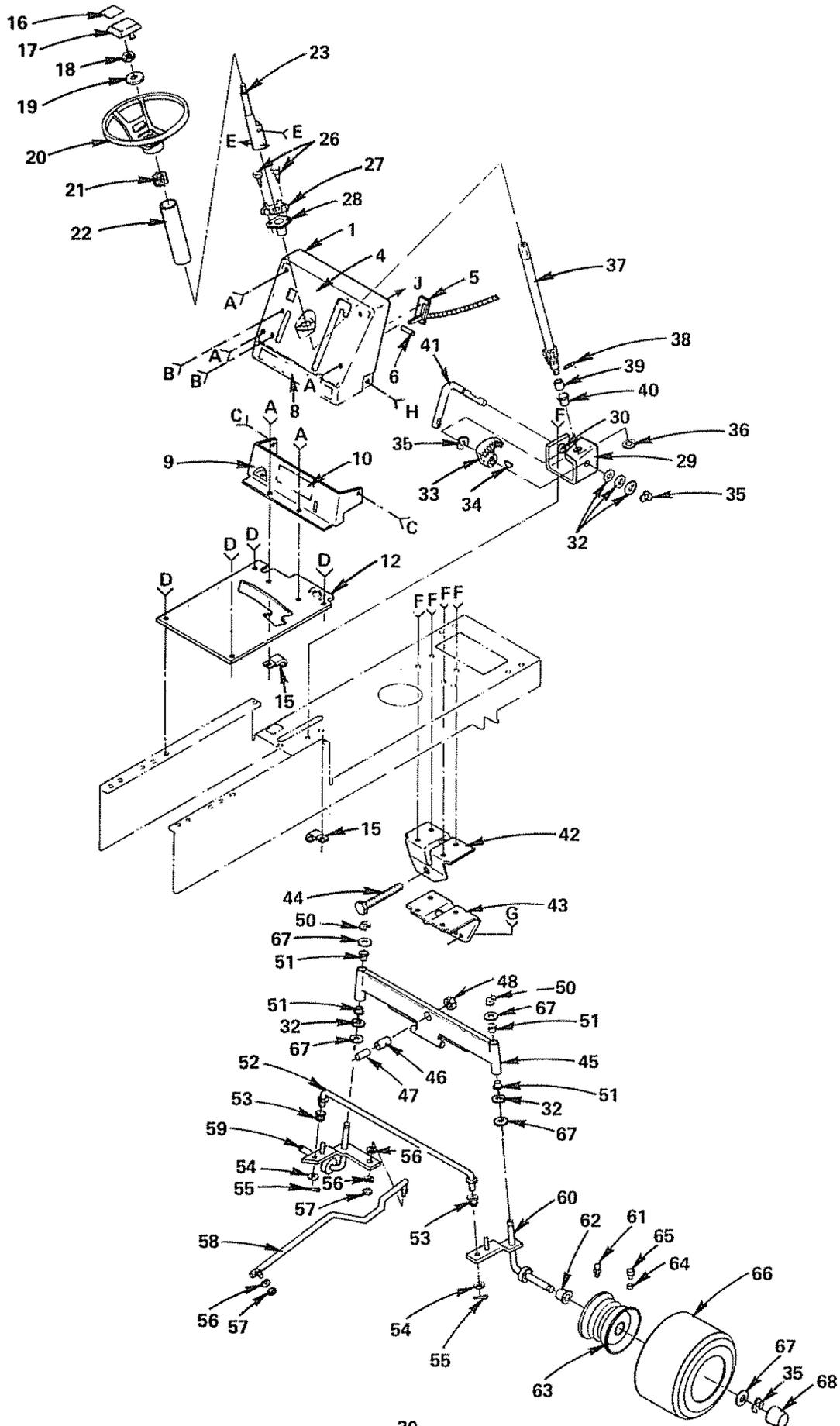
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR—MODEL NUMBER 917.255732

STEERING AND FRONT AXLE



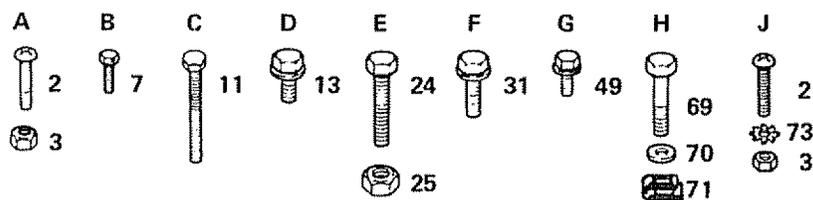
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105620X	Dash	36	19212016	Washer 21/32 x 1 - 1/4 x 16 Ga.
2	74180512	Screw - Truss Hd. Cross Recess 5/16 - 18 x 3/4	37	105641X	Shaft - Steering - Lower
3	73680500	Nut - Lock 5/16 - 18	38	2882J	Pin - Drive 3/16 x 1
4	105800X	Decal - Dash Panel	39	74580	Spacer .627 x .88 x .695
5	105837X	Control - Throttle Cable	40	71208	Bushing
6	61159	Knob	41	106127X	Rod - Steering
7	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	42	105663X	Support - Saddle - Rear
8	106198X	Decal - Dash Lower	43	105664X	Support - Saddle - Front
9	105621X	Dash - Lower	44	74761064	Bolt - Hex 5/8 - 11 x 4
10	106199X	Decal - Caution	45	105669X	Axle - Front
11	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1 - 1/2	46	105725X	Spacer - Axle
12	105843X	Saddle	47	105726X	Bearing - Axle
13	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	48	73901000	Nut - Lock, Flange 5/8 - 11
15	2751R	Clip	49	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
16	105810X	Decal - Cap, Steering Wheel	50	12000029	Klip Ring
17	100710L	Insert - Steering Wheel	51	3366R	Bearing
18	STD541350	* Nut - Hex Jam 1/2 - 20	52	105715X	Rod - Tie
19	100712K	Washer	53	102792X	Bushing
20	100713N	Wheel - Steering	54	19131414	Washer 13/32 x 7/8 x 14 Ga.
21	100711L	Adapter - Steering Wheel	55	STD561210	* Pin - Cotter 1/8 x 1
22	105647X	Sleeve - Steering	56	STD551137	* Washer - Lock 3/8
23	105643X	Shaft - Steering - Upper	57	STD541137	* Nut - Hex 3/8 - 24
24	STD523712	* Bolt - Hex 3/8 - 16 x 1 - 1/4	58	105727X	Link - Drag
25	73680600	Nut - Lock 3/8 - 16	59	105656X	Spindle - L.H.
26	17431008	Screw - Hex Self Tap. No. 10 - 16 x 1/2	60	105654X	Spindle - R.H.
27	105646X	Bracket - Sleeve, Steering	61	278H	Fitting - Grease
28	1554J	Bushing - Steering	62	9040H	Bearing - Flange
29	102531X	Bracket - Steering	63	106732X	Rim - 6" - Front
30	102530X	Bearing - Flange	64	59192	Cap - Valve
31	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	65	65139	Stem - Valve
32	6266H	Bearing - Thrust	66	106222X	Tire - 15 x 6.00 - 6
33	4301J	Gear - Sector	67	59904	Tube - Front (not furnished with tractor)
34	106126X	Key - Woodruff	68	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
35	12000029	Klip Ring	69	104757X	Cap - Hub - Front
			70	106184X	Screw - Special
			71	4043J	Washer
			73	4042J	Clip
				11050500	Washer, Lock, Ext. Tooth, 5/16

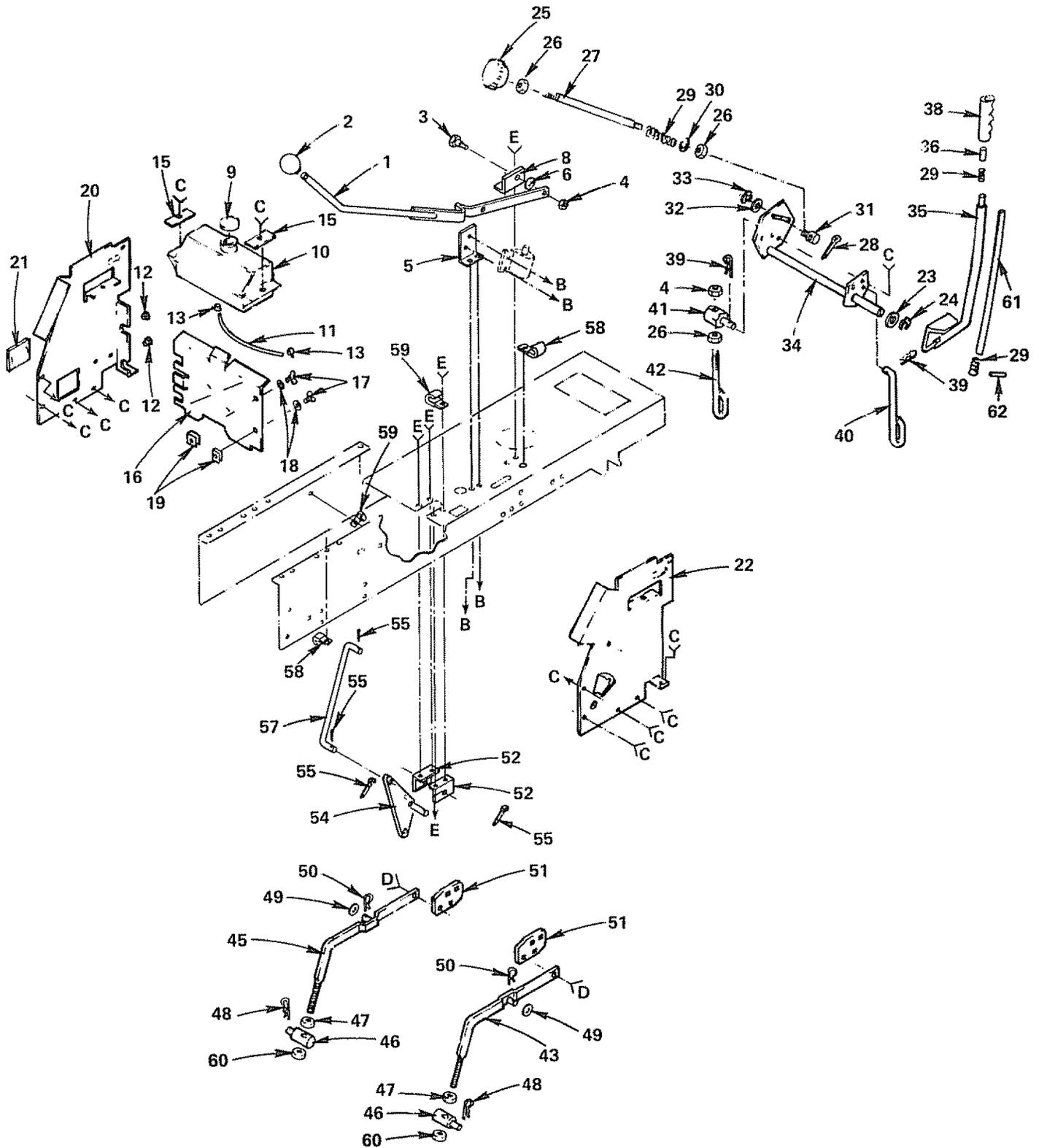
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT



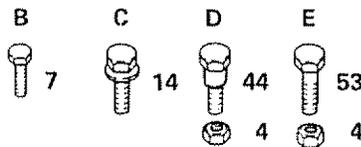
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	29	2876H	Spring
2	9439M	Knob	30	19131016	Washer 13/32 x 5/8 x 16 Ga.
3	106451X	Bolt, Shoulder	31	101272K	Trunnion, Depth Adjustment
4	73680600	Nut, Lock, 3/8 - 16	32	19151216	Washer 15/32 x 3/4 x 16 Ga.
5	106452X	Bracket, Switch, Interlock	33	12000037	Klip Ring
6	19171713	Washer 17/32 x 1 - 1/16 x 13 Ga.	34	105754X	Shaft, Lift
7	17021008	Screw, Hex, Tapping, No. 10 - 24 x 1/2	35	105768X	Lever, Assembly
8	106447X	Support, Lever, Clutch	36	105723X	Plunger
9	105965X	Cap, Fuel	38	106019X	Grip, Handle
10	105738X	Tank, Fuel	39	4939M	Retainer, Spring
11	8547R	Line, Fuel	40	105856X	Link, Lift
12	9151R	Grommet	41	106204X	Trunnion, Lift
13	6999R	Clamp, Hose	42	105855X	Link, Lift, Adjustable
14	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	43	105862X	Arm, Suspension, R.H.
15	105711X	Brace	44	105848X	Bolt, Shoulder, 3/8 - 16
16	105736X	Shield, Heat	45	105863X	Arm, Suspension, L.H.
17	105751X	Stud, 1/4 Turn	46	106308X	Trunnion, Lift, Lower
18	105838X	Retainer - 1/4 Turn	47	STD541250	*Nut, Hex, 1/2 - 13
19	105839X	Receptacle - 1/4 Turn	48	9135R	Retainer, Spring
20	105619X	Panel, Dash, L.H.	49	19171616	Washer 17/32 x 1 x 16 Ga.
21	105505X	Cover, Access	50	4921H	Retainer, Spring
22	105618X	Panel, Dash, R.H.	51	105864X	Bracket, Suspension
23	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	52	106444X	Bracket, Bellcrank
24	12000029	Klip Ring	53	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
25	100734K	Knob	54	106441X	Bellcrank Assembly
26	STD541237	*Nut, Hex Jam 3/8 - 16	55	76020412	Pin, Cotter, 1/8 x 3/4
27	105686X	Rod, Adjust, Lift	57	106446X	Rod, Clutch, Primary
28	76020308	Pin, Cotter 3/32 x 1/2	58	2751R	Clip, Fuel Line
			59	5320R	Clip
			60	73680800	Locknut 1/2 - 13
			61	105764X	Rod Assembly - Lever, Lift
			62	105767X	Pin - Groove

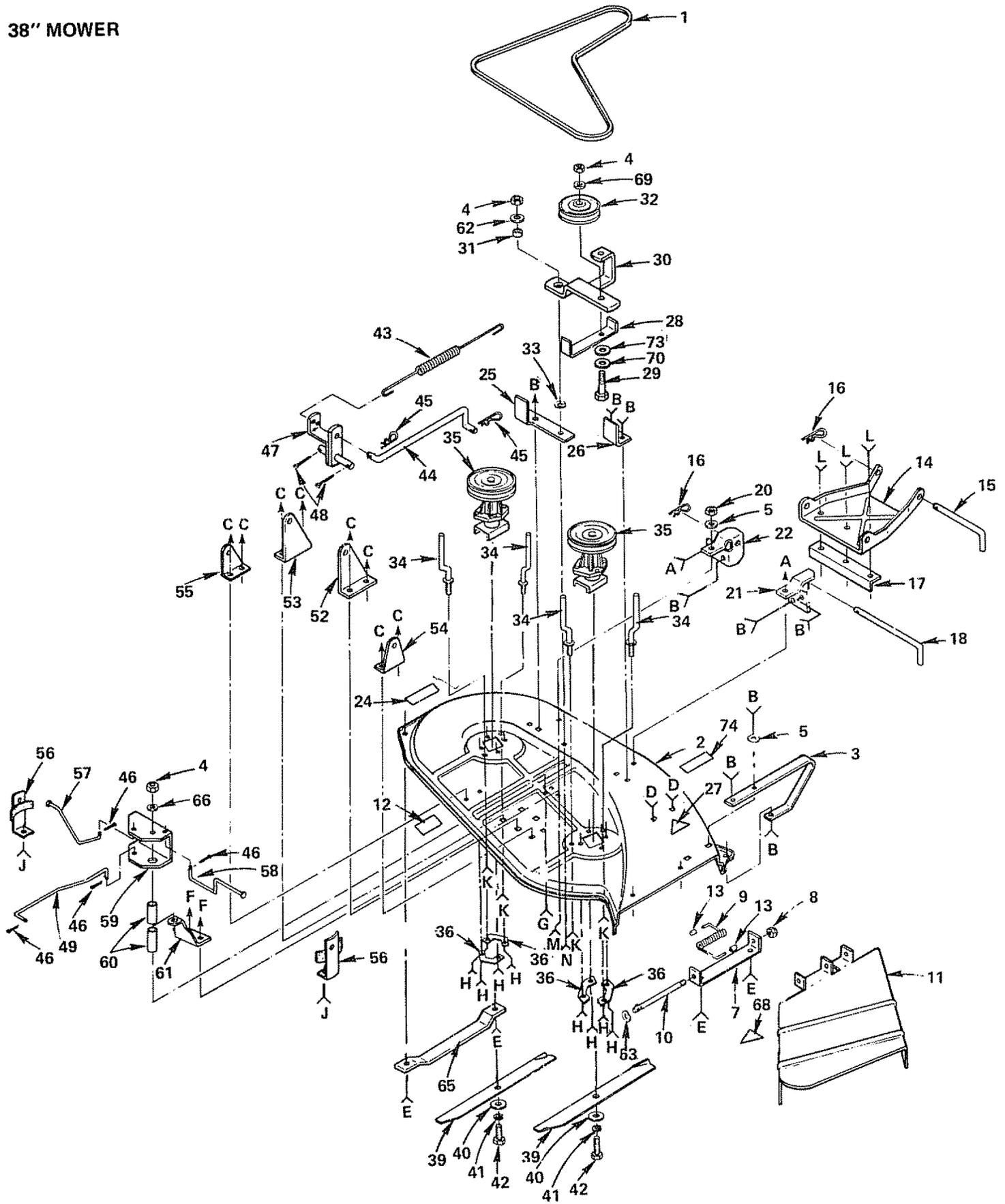
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER



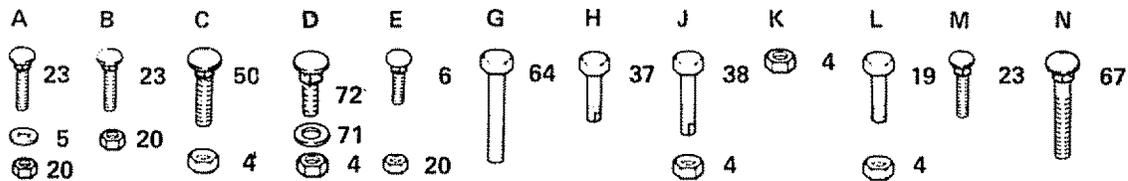
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER

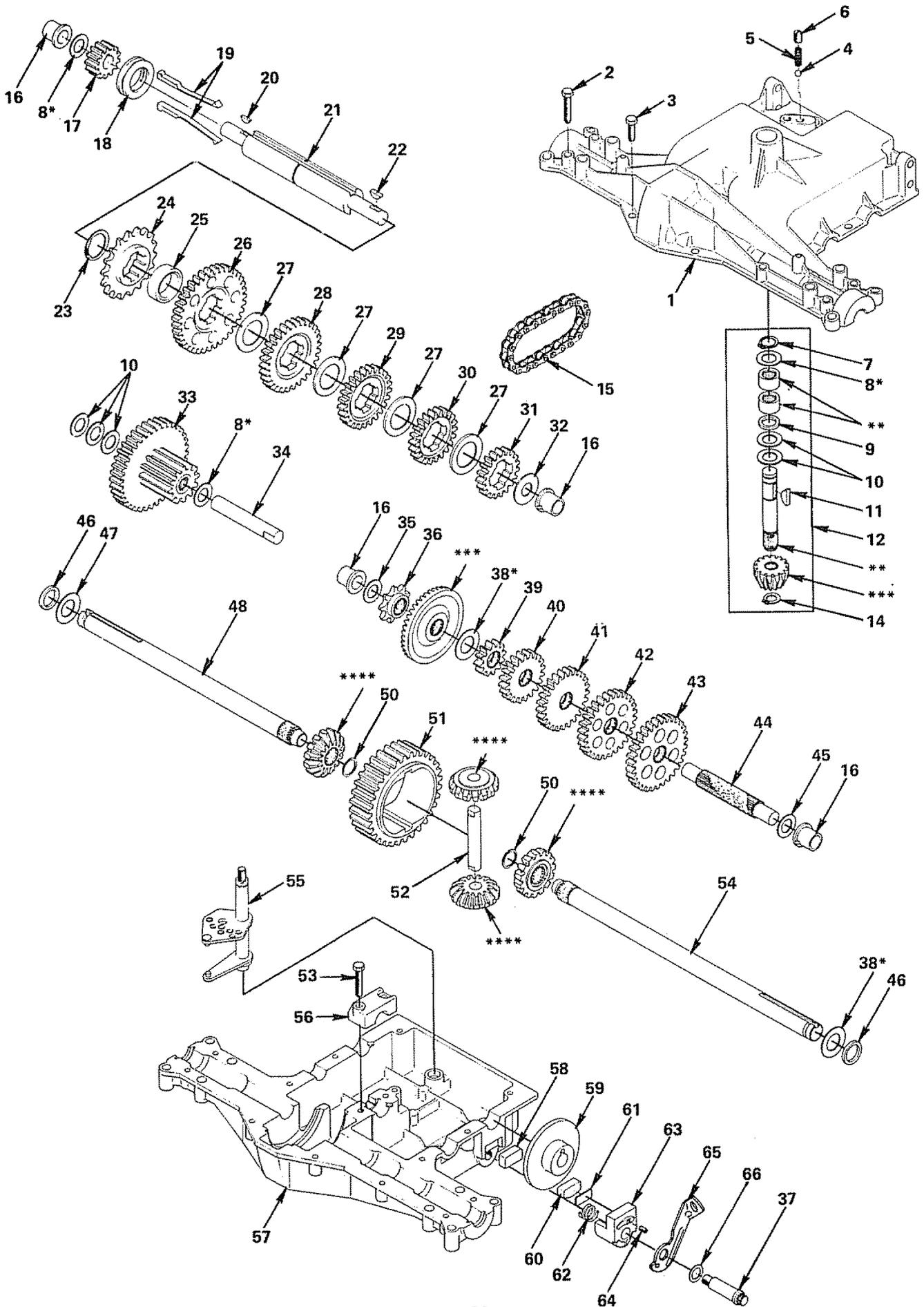
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	39	106634X	Blade, 38"
2	105689X	Housing	40	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	41	STD551137	*Washer, Lock, 3/8"
4	73680600	Nut, Lock, 3/8 - 16	42	STD632715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer, 11/32 x 3/4 x 16 Ga	43	106462X	Spring, Ext.
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	44	106445X	Rod - Clutch, Mower
7	106733X	Bracket, Deflector	45	4921H	Spring - Retainer
8	5846R	Nut	46	STD560907	*Pin - Cotter, 3/32 x 3/4
9	106734X	Spring, Deflector	47	106453X	Pivot Assembly, Mower
10	106735X	Rod - Hinge	48	76020616	Pin, Cotter, 3/16 x 1
11	106736X	Deflector - Shield	49	106457X	Rod, Brake, Primary
12	105814X	Decal	50	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	52	106289X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	53	106288X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	54	105857X	Bracket, Susp., Rear, R.H.
16	9135R	Spring - Retainer	55	105851X	Bracket, Susp., Rear, L.H.
17	105872X	Stop, Link	56	106578X	Brake Assembly
18	105743X	Pin - Hinge, Rear	57	106463X	Rod, Brake, Secondary L.H.
19	STD523707	*Bolt 3/8 - 16 x 3/4	58	106464X	Rod, Brake, Secondary, R.H.
20	73680500	Nut, Lock 5/16 - 18	59	106456X	Bracket, Brake, Pivot
21	105659X	Bracket, Lift, R.H.	60	100672K	Spacer, Brake
22	105660X	Bracket, Lift, L.H.	61	100673L	Bracket, Support
23	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	62	106514X	Washer, Wear 3/16
24	3713J	Instruction - Caution Decal	63	19111016	Washer, 11/32 x 5/8 x 16 Ga.
25	106295X	Support, Arm	64	74760680	Bolt, 3/8 - 16 x 5
26	105850X	Stop, Deck, Front	65	7631J	Runner, L.H.
27	5224J	Decal - Safety Standard	66	19131614	Washer 13/32 x 1 x 14 Ga.
28	106461X	Guide, Belt	67	72140610	Bolt, Carr. 3/8 - 16 x 1 - 1/4
29	STD523720	*Bolt 3/8 - 16 x 2"	68	78850	Decal - Warning
30	106458X	Arm, Idler	69	19141614	Washer 7/16 x 1 x 14 Ga.
31	106283X	Spacer .875 x .309 x .330	70	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
32	102403X	Pulley, Idler	71	19141610	Washer 7/16 x 1 x 10 Ga.
33	106513X	Washer, Wear, 1/16	72	72110606	Bolt, Carriage 3/8 - 16 x 3/4
34	102669X	Keeper, Belt	73	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
35	105891X	Mandrel Assembly	74	106679X	Decal - Warning
36	100668L	Plate, Support, Mandrel			
37	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4			
38	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4			

*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105903X	Housing, Upper	36	105928X	Sprocket, 9T, Reverse Drive
2	2276J	Screw, Tapping, 1/4 - 20 x 1.31 Lg.	37	2285J	Bolt, Shoulder
3	2274J	Screw, Tapping, 1/4 - 20 x .875 Lg.	38	105930X	Washer, Plain, .758 x 1.12 x .015
4	68003	Ball, Detent	38	105931X	Washer, Plain, .758 x 1.12 x .020
5	105904X	Spring, Detent	38	105932X	Washer, Plain, .758 x 1.12 x .025
6	105905X	Screw, Set	38	3417J	Washer, Plain, .758 x 1.25 x .020
7	2267J	Ring, Retaining	38	106097X	Washer, Plain, .758 x 1.25 x .025
8	2233J	Washer, Plain, .632 x 1.00 x .020	38	2264J	Washer, Plain, .758 x 1.25 x .031
8	2232J	Washer, Plain, .632 x 1.00 x .026	38	106098X	Washer, Plain, .758 x 1.25 x .035
8	2231J	Washer, Plain, .632 x 1.00 x .031	38	2265J	Washer, Plain, .758 x 1.25 x .040
8	2230J	Washer, Plain, .632 x 1.00 x .036	38	106586X	Washer, Plain, .758 x 1.25 x .045
8	2229J	Washer, Plain, .632 x 1.00 x .041	38	106587X	Washer, Plain, .758 x 1.25 x .050
8	2228J	Washer, Plain, .632 x 1.00 x .046	38	106588X	Washer, Plain, .758 x 1.25 x .055
8	2227J	Washer, Plain, .632 x 1.00 x .050	38	2263J	Washer, Plain, .758 x 1.25 x .062
8	2226J	Washer, Plain, .632 x 1.00 x .060	39	105933X	Gear, Spur, 12T, 1st - Drive
8	105906X	Washer, Plain, .632 x 1.00 x .082	40	105934X	Gear, Spur, 20T, 2nd - Drive
9	6725J	O-Ring	41	106589X	Gear, Spur, 25T, 3rd - Drive
10	2228J	Washer, Plain, .632 x 1.00 x .046	42	106130X	Gear, Spur, 28T, 4th - Drive
11	2257J	Key, Woodruff, No. 9	43	105937X	Gear, Spur, 31T, 5th - Drive
12	106597X	Assembly, Kit, Input Shaft & Bevel Gear	44	105938X	Shaft, Drive, Splined
13	106598X	Ass'y., Kit, Pinion & Bevel Gear	45	2226J	Washer, Plain, .640 x 1.00 x .060
14	105909X	Ring, Retaining	46	2272J	Seal, Felt
15	105910X	Chain, 24 Pitches	47	2264J	Washer, Plain, .758 x 1.25 x .031
16	105911X	Bearing, Flange	48	106590X	Axle, L.H.
17	105912X	Gear, Spur, 14T	49	106599X	Ass'y., Kit, Miter Gear
18	105913X	Collar, Clutch	50	105941X	Ring, Retaining
19	105914X	Key, Clutch	51	2268J	Gear, Spur, 32T, Differential
20	2242J	Key, Woodruff, No. 3	52	2270J	Shaft, Cross
21	105915X	Shaft, Intermediate	53	106596X	Screw, Tapping, 5/16 - 18 x 1.44 Lg.
22	2244J	Key, Woodruff, No. 61	54	106593X	Axle, R.H.
23	105916X	Ring, Retaining	55	106594X	Assembly, Shifter
24	105917X	Sprocket, 18T, Reverse - Clutch	56	106595X	Cap, Support
25	105918X	Spacer	57	105945X	Housing, Lower
26	105919X	Gear, Spur, 37T, 1st - Clutch	58	4175J	Puck, Friction, Inner
27	105920X	Washer, Special	59	2278J	Disc, Brake
28	105921X	Gear, Spur, 30T, 2nd - Clutch	60	4170J	Puck, Friction, Outer
29	105922X	Gear, Spur, 25T, 3rd - Clutch	61	4169J	Spacer
30	106129X	Gear, Spur, 22T, 4th - Clutch	62	2280J	Spring, Compression
31	105924X	Gear, Spur, 19T, 5th - Clutch	63	6723J	Assembly, Jaw, Brake
32	105925X	Washer, Plain, .640 x 1.37 x .061	64	2281J	Screw, Set, No. 8 - 32 x .312
33	105926X	Assembly, Gear, Comb., 12T & 35T	65	105946X	Assembly, Lever, Actuating
34	105927X	Shaft, Idler	66	2284J	Washer, Plain, .510 x .750 x .006
35	3413J	Washer, Plain, .631 x 1.00 x .010			

*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCES

**ORDER KEY NO. 12

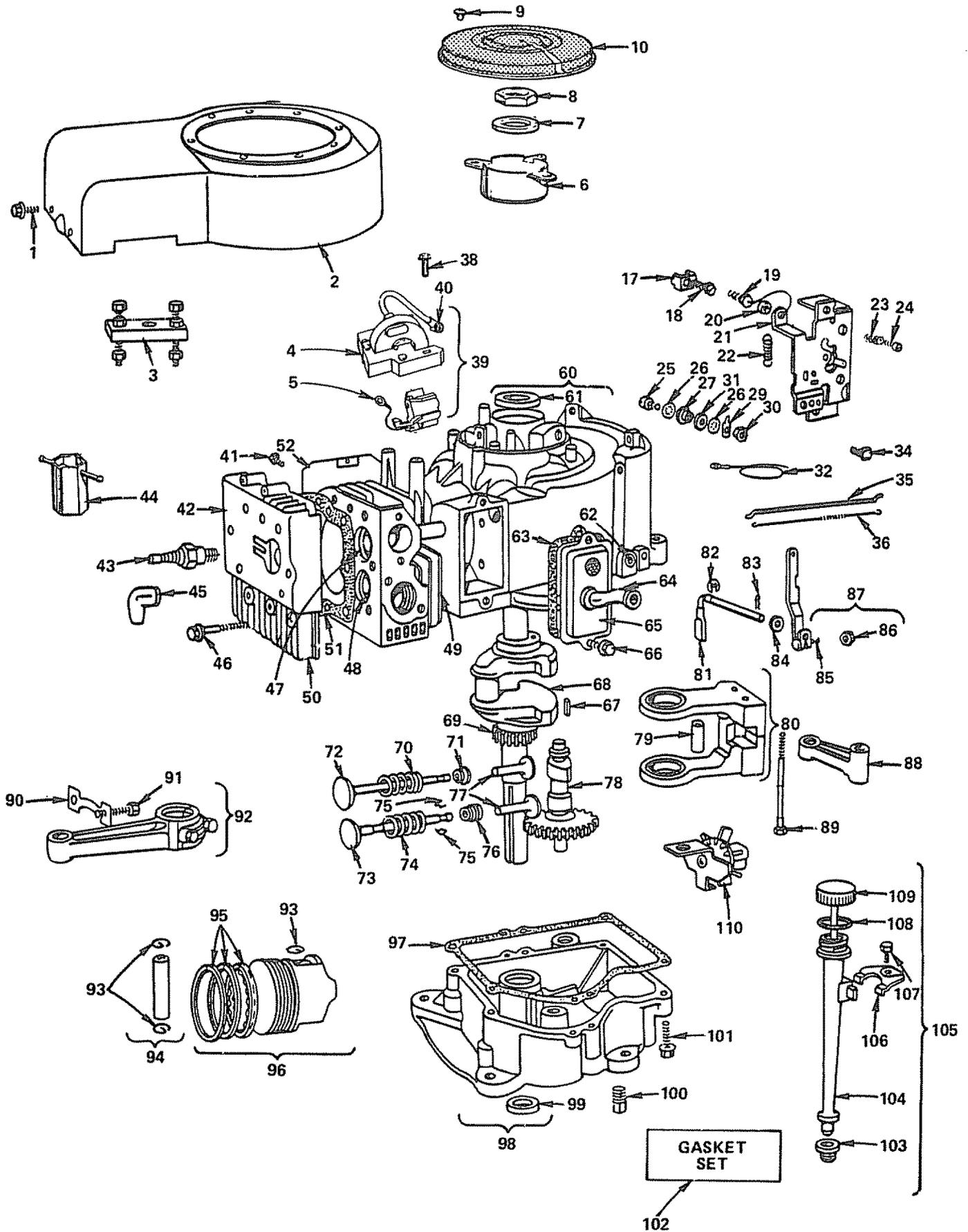
***ORDER KEY NO. 13 (CONTAINS PINION & BEVEL GEAR)

****ORDER KEY NO. 49 (CONTAINS 4 MITER GEARS, 2 RETAINING RINGS AND SHIM WASHERS)

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93158	Screw - Blower Hsg Mtg. Sem	65	391406	Breather Assembly
2	391556	Housing - Blower	66	93394	Screw - Sem
3	19203	Puller - Flywheel	67	222698	Key - Flywheel
4	395326	Armature Assembly (Less Trigger Coil)	68	392299	Crankshaft
5	394970	Trigger Coil	69	261196	Gear - Timing
6	222561	Cup - Screen Mtg.	70	65906	Spring - Intake Valve
7	220865	Washer - Spring	71	221596	Retainer - Intake Valve
8	92284	Nut - Hex	72	261462	Valve - Intake
9	93805	Screw - Sem	73	261185	Valve - Exhaust
10	222562	Screen - Flush Rotating	74	26828	Spring - Exhaust Valve
17	221535	Clamp - Casing	75	93630	Retainer - Exhaust Valve Rotocoil
18	93496	Screw - Sem	76	292260	Rotocoil - Exhaust Valve
19	93686	Screw - Control Brkt. Mtg.	77	261183	Tappet - Valve
20	231039	Spacer - Control Brkt. Mtg.	78	212897	Gear - Cam
21	396199	Plate - Gov. Contol	79	298909	Pin - Counterweight
22	261306	Spring - Governor	80	391373	Counterweight Assy. (Inc. Key No. 79)
23	26157	Spring - Throttle Adjustment	81	231058	Crank - Governor
24	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8"	82	93307	Retainer - E-Ring
25	91920	Screw - Terminal (Fill. Hd.)	83	93306	Cotter - Hairpin
26	92791	Washer - Lock - Shakeproof	84	222450	Washer - Governor Crank
27	66554	Collar - Insulating	85	92613	Bolt - Governor Lever
29	93722	Terminal - Spade	86	231082	Nut - Hex 10 - 24
30	90576	Nut - Hex 8 - 32	87	391733	Lever Assy. - Governor (Inc. Key No's. 85 & 86)
31	66068	Washer - Insulating	88	212359	Link - Counterweight
32	299500	Wire - Ground	89	93875	Screw - Counterweight
34	93572	Screw	90	222299	Lock - Conn. Rod Screw
35	261609	Link - Governor	91	92909	Screw - Conn. Rod
36	261911	Spring - Governor Link	92	391775	Rod Assy. - Conn. (Inc. Key No's. 90 & 91)
38	93381	Screw - Armature Mtg. Sem	93	260924	Lock - Piston Pin
39	395492	Armature Group	94	299691	Pin Assy. - Piston - Std. (Inc. Key No. 93)
40	221798	Terminal - Ignition Cable	94	391286	Pin Assy. - Piston .005" O.S.
41	93163	Screw - Cylinder Shield Mtg. Sem	95	391780	Ring Set - Piston - Std.
42	222725	Cover - Cylinder Head	95	391781	Ring Set - Piston .010" O.S.
43	298809	Plug - Spark	95	391782	Ring Set - Piston .020" O.S.
44	89838	Plug - Spark - Wrench	95	391783	Ring Set - Piston .030" O.S.
45	66538	Elbow - Spark Plug	96	391285	Piston Assy. - Std. (Inc. Key No's. 93 & 95)
46	93723	Screw - Cylinder Head	96	391287	Piston Assy. - .010" O.S.
47	261463	+Seat - Intake Valve	96	391288	Piston Assy. - .020" O.S.
48	210940	+Seat - Exhaust Valve	96	391289	Piston Assy. - .030" O.S.
49	230655	+Guide - Exhaust Valve	97	270808	*Gasket - Crankcase Cover 1/64" thick
50	212914	Head - Cylinder	97	270915	*Gasket Crankcase Cover .005" thick
51	271075	*Gasket - Cylinder Head	97	270916	*Gasket Crankcase Cover .009" thick
52	222744	Shield - Cylinder	98	391784	Sump - Oil (Inc. Key No's. 97 & 99)
60	396324	Cylinder Assy. (Inc. Key No. 61)	99	291675	Seal - Oil
61	391086	Seal - Oil	100	91084	Plug - Oil Drain
62	231055	Bushing - Gov. Crank	101	93585	Screw - Sump Mtg. Sem
63	27803	*Gasket - Valve Cover	102	393411	Gasket Set
64	280100	Tube - Breather	103	68838	Seal - Filler Tube
			104	280134	Tube - Oil Filler
			105	392067	Fill Group - Oil (Inc. Key No's. 103, 104, 106, 107, 108 & 109)
			106	222502	Clamp - Oil Filler Tube
			107	93804	Screw - Clamp Mtg.
			108	270920	Seal - Oil Filler Cap
			109	391841	Cap & Dipstick - Oil Filler
			110	391764	Oil Slinger, Gov. Gear & Bracket Assy.

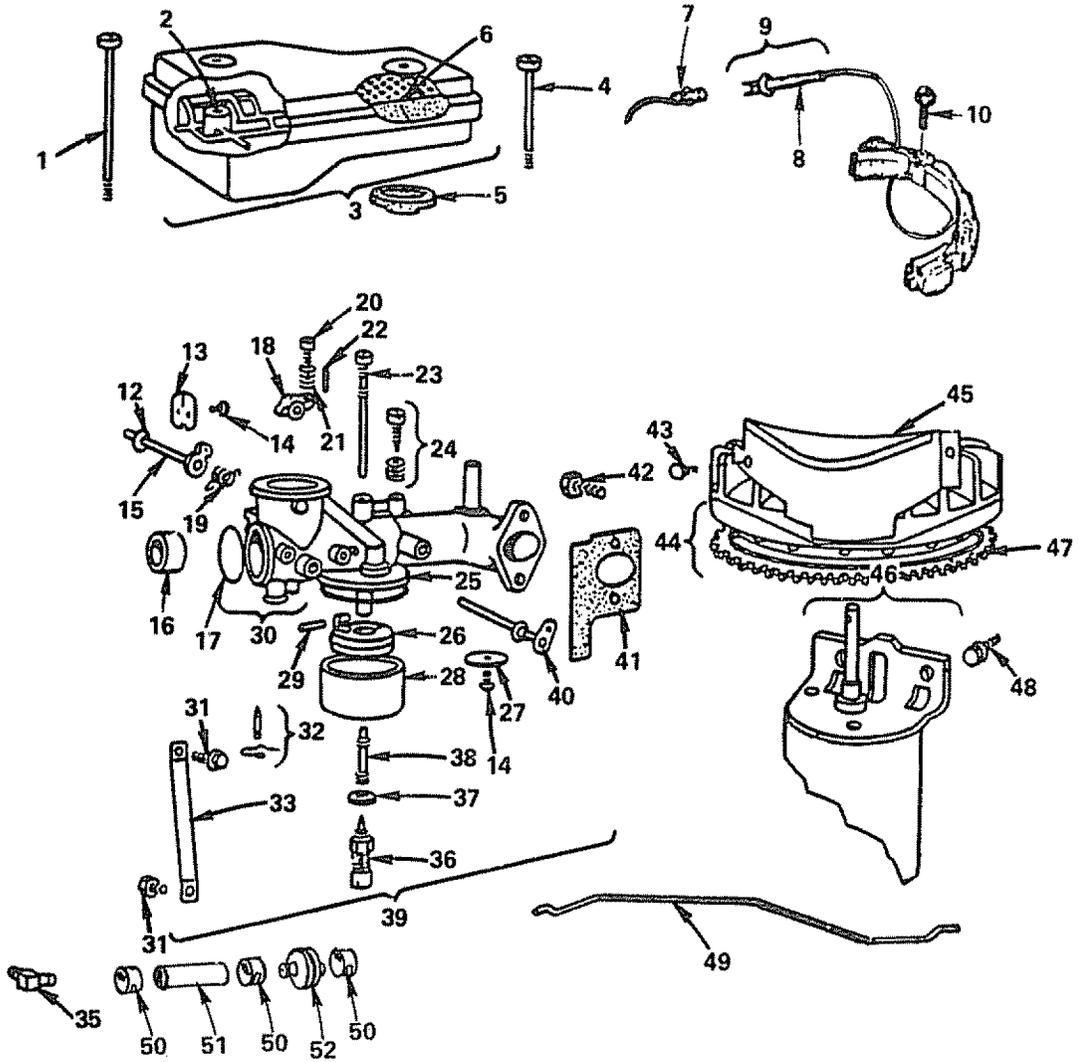
+Special Tools Required to Install

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93323	Screw - Air Cleaner	29	230896	+Pin - Float Hinge
2	280118	Support - Air Cleaner Element	30	391787	Body Assembly Carburetor (Inc. Key No. 17)
3	391786	Cleaner Assembly - Air (Inc. Key No's. 2 & 6)	31	93572	Screw
4	93622	Screw - Air Cleaner	32	299096	+Valve - Fuel Inlet
5	270853	Gasket - Air Cleaner	33	222311	Bracket - Carburetor
6	270843	Element - Air Cleaner	35	67218	Connector - Fuel Pipe
7	393422	Alternator Harness Assy.	36	391233	+Valve - Needle
8	393814	Diode & Connector	37	222014	+Washer - Float Bowl
9	391529	Stator - Alternator (Inc. Key No. 8)	38	230932	+Screw - Nozzle
10	93621	Screw - Sem	39	393410	Carburetor Assy. (Inc. Key No's. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 36, 37 & 38)
12	270382	Washer - Choke Shaft	40	391512	Shaft & Lever - Throttle
13	222010	Valve - Choke	41	270872	*Gasket - Carburetor Mounting
14	93499	Screw - Throttle & Choke Valve Mtg. Sem	42	93357	Screw - Carburetor Mounting
15	390684	Shaft & Lever - Choke	43	93984	Screw - Sem
16	211960	Venturi - Carburetor	44	391988	Flywheel & Ring Gear Assy. - Magneto (Inc. Key No. 47)
17	221997	+Plug - Welch	45	395405	Cover & Shield - Starter
18	211712	Stop - Throttle	46	394805	Motor - Starting
19	261116	Spring - Choke Return	47	392134	Gear - Ring (Inc. Mounting parts)
20	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8	48	93523	Screw - Sem
21	26157	Spring - Throttle Adjustment	49	261610	Link - Choke
22	93043	Pin - Throttle Stop	50	93053	Clamp, Hose
23	299740	+Nozzle - Carburetor	51	394045	Pipe, Fuel
24	292681	+Valve Assembly - Carburetor Idle	52	298090	Filter, Fuel
25	270511	+Gasket - Float Bowl	---	299852	Carburetor Overhaul Kit
26	299707	Float - Carburetor			
27	222858	Valve - Throttle			
28	221995	Bowl - Float			

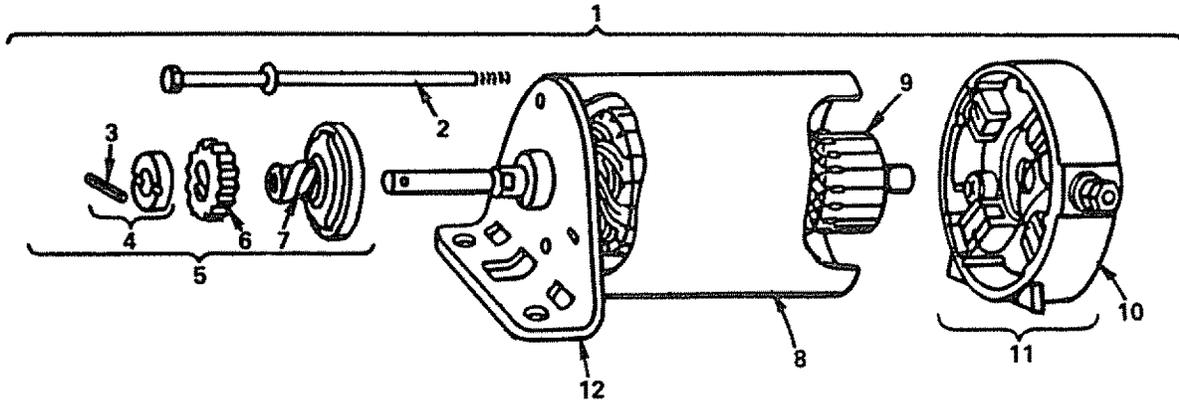
+Included in Carburetor Overhaul Kit - Part No. 299852

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
 ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

STARTER-MOTOR



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	394805	Motor - Starting (Inc. Key No's. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12)	7	391135	Clutch Assembly
2	94003	Thru Bolt Assembly	8	393825	Housing Assembly
3	93754	Roll Pin	9	392747	Armature Assembly
4	391462	Retainer & Pin (Inc. Key No. 3)	10	395538	Brush Assembly
5	391461	Drive Assembly (Inc. Key No's 3, 4, 6 & 7)	11	395537	End Cap Assy. Commutator (Inc. Key No. 10)
6	280104	Gear	12	394856	End Cap Assy. Drive

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

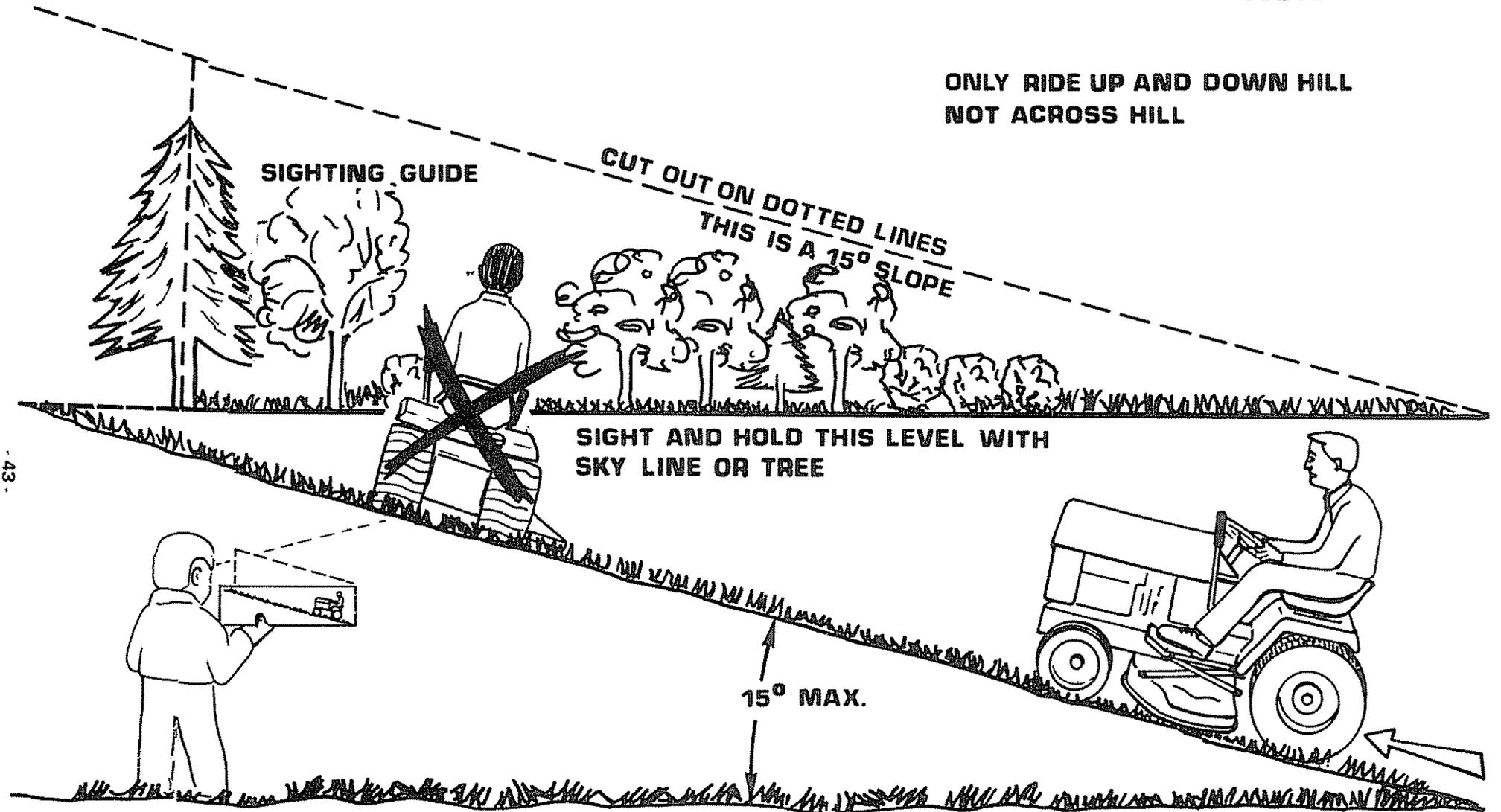
ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL

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.

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106738X-11.2.85
Printed in U.S.A.

SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

**HOW TO ORDER
REPAIR PARTS**

11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

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

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".

SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

Caution:
Read Rules for
Safe Operation
and Instructions
Carefully



11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

Assembly
Installation
Operation
Repair Parts

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. They have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble, operate and maintain your Tractor properly. Always observe the "RULES FOR SAFE OPERATION".

MODEL NUMBER _____
 SERIAL NUMBER _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE DRAWBAR.

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

LIMITED ONE YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

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

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

This warranty does not cover:

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

FULL 90-DAY WARRANTY ON BATTERY

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

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

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

Sears, Roebuck and Co., D/698-731A, Sears Tower, Chicago, IL 60684

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RULES FOR SAFE OPERATION

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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. See your Sears Authorized Service Center for spark arrester muffler part number 677V1.

1. Know the controls and how to stop quickly. **READ THE OWNER'S MANUAL.**
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction or without having read the owner's manual.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in driver's seat.
7. Always get on or off your tractor from the operator's left hand side.
8. Clear the work area of objects which might be picked up and thrown.
9. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs.
12. Disengage power to attachments when transporting or not in use.
13. Take all possible precautions when leaving the vehicle unattended. 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 43.
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. Do not shift gears while going up or down slopes. Choose a gear low enough to negotiate the slope without stopping and shifting gears. To reduce speed, move throttle lever to slow.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign object.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in the deflector (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 this owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for adjustment; **DO NOT** operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler or tamper with the exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
 - c. Shut the engine off when removing the grass catcher or unclogging chute.
 - d. Check the blade mounting bolts for proper tightness at frequent intervals.
36. 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.



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

To assemble your Tractor you will need:

two 7/16" wrenches, two 9/16" wrenches, and a 3/4" wrench

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

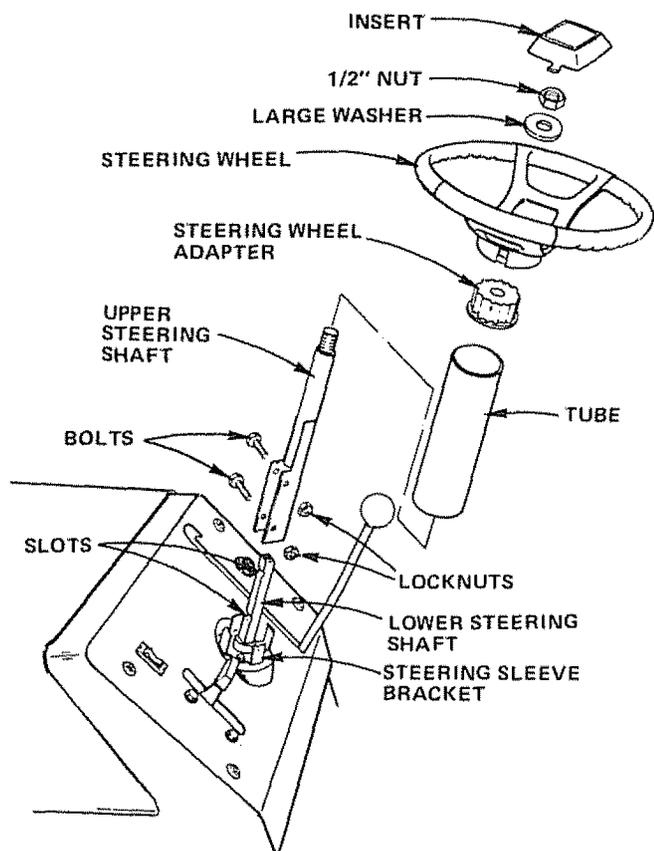


FIGURE 1

CUT AWAY VIEW

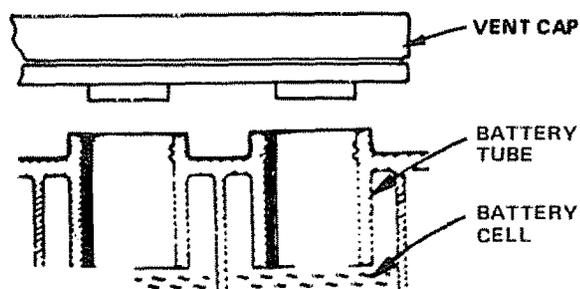


FIGURE 2

ASSEMBLY

1. Remove Shipping Strap Banding, Battery, Steering Wheel and Bag of Parts (under Hood).
2. Slide Upper Steering Shaft over Lower Steering Shaft so bolt holes line up with slots in Lower Steering Shaft (Fig. 1).
3. Use two Bolts and two Locknuts to retain Upper Steering Shaft to Lower Steering Shaft. Tighten securely.
4. Slide Tube over Steering Shaft Assembly and over Steering Sleeve Bracket.
5. Place Steering Wheel Adapter on Upper Steering Shaft.
6. With front wheels pointed straight ahead, place Steering Wheel on Steering Wheel Adapter. Bars of Steering Wheel should point straight across tractor.
7. Place Large Washer on Upper Steering Shaft and install a 1/2" Nut. Tighten securely.
8. Snap Insert into Steering Wheel.
9. Remove plastic on Tractor Hood.

BATTERY INSTALLATION

1. Before installation in Tractor, follow the Battery preparation steps below.



WEAR EYE AND FACE SHIELD.

- a. Battery Electrolyte: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
- b. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 2). NOTE: DO NOT OVERFILL. (OVERFILLING CAN RESULT IN DAMAGE TO TRACTOR).



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

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



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

- e. Neutralize excess electrolyte for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.



DO NOT SHORT BATTERY TERMINALS.

BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRIST-WATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

2. Position Battery in tractor as follows:
 - a. Lift Seat Pan so it rests on Steering Wheel (Fig. 3).
 - b. Lower Battery into Fender Well with Battery Terminals toward front of tractor. Make sure Battery rests in Battery Tray (Fig. 4).

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

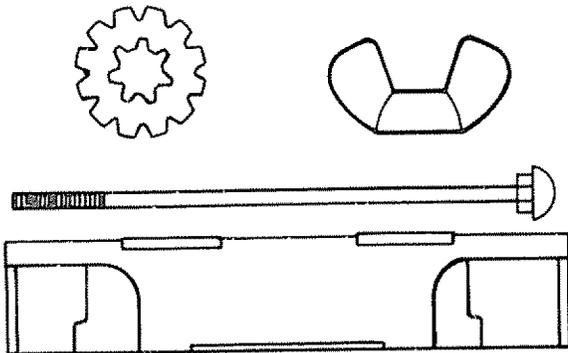
3. Connect Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.



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

- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.

4. Install Battery using: two Int./Ext. Lockwashers, two Wing Nuts (shown full size below) and



two Battery Bolts and one Terminal Guard found in Bag of Parts.

- a. Using the slot on one side of the Battery Support (Fig 5) slide Battery Bolt into Frame Slot (head of Bolt down). Fasten the Battery Bolt to the Terminal Guard using Int./Ext. Lockwasher and Wing Nut as shown in Fig. 5.
- b. Assemble the remaining Battery Bolt to other side of Battery Support and fasten Terminal Guard to it with remaining Int./Ext. Lockwasher and Wing Nut. Tighten Wing Nuts securely by hand (Fig. 5).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 5) FOR:

1. Inspection for secure connections (tighten hardware).
2. Inspection for corrosion.
3. Testing battery.
4. Jumping (if required).
5. Charging (if required).



WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.

NOTE: DO NOT START ENGINE UNTIL INITIAL SERVICE HAS BEEN PERFORMED.

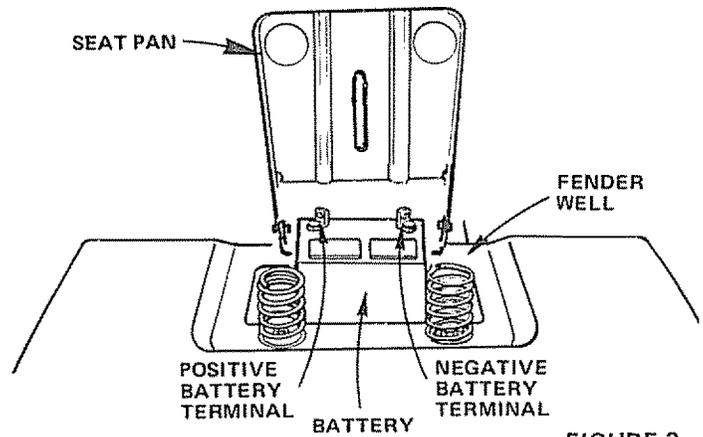


FIGURE 3

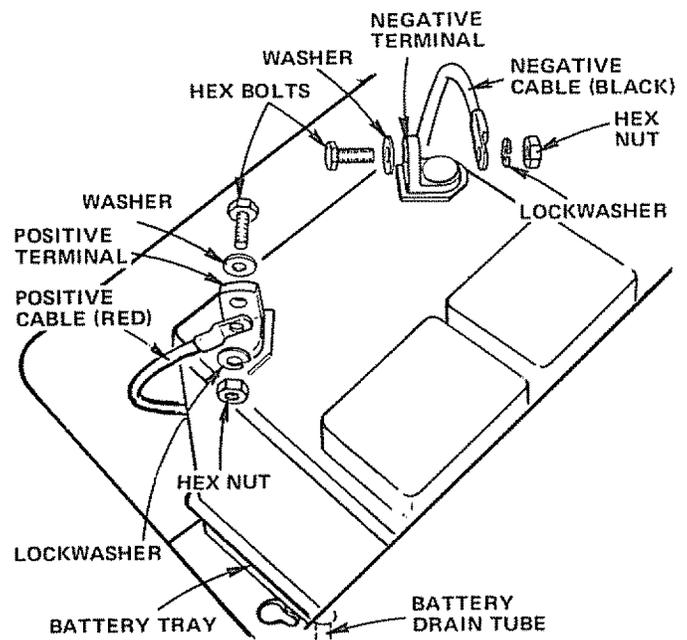


FIGURE 4

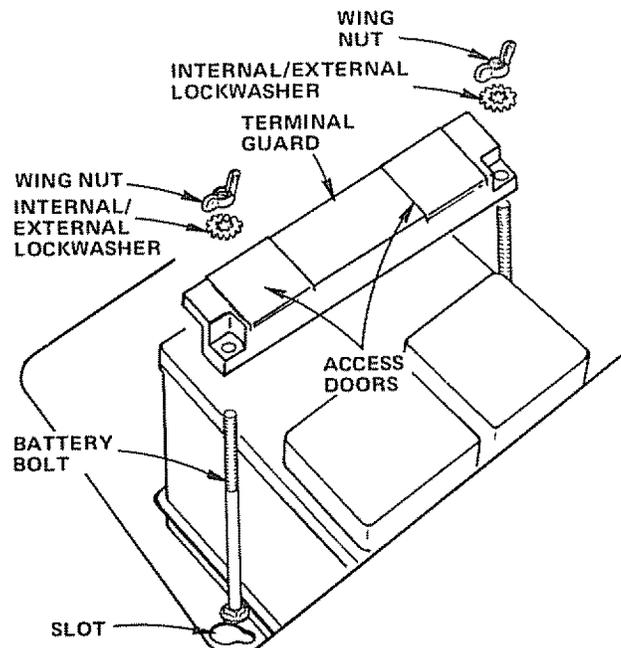


FIGURE 5

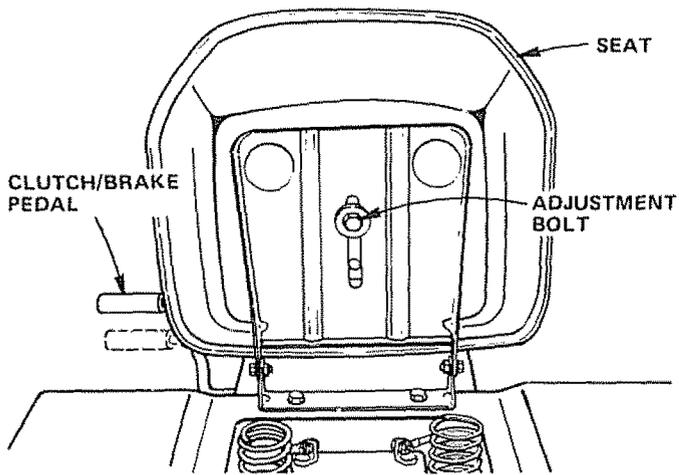


FIGURE 6

INITIAL ADJUSTMENTS

1. SEAT INSTALLATION

- Place Seat on Seat Pan. Screw Adjustment Bolt, Lockwasher and Flat Washer into Seat. Adjustment Bolt, Lockwasher and Flat Washer found in Bag of Parts. Tighten finger tight.
- 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.
- Raise Seat. Use 3/4" wrench to loosen Adjustment Bolt (Fig. 6). When adjusted for comfortable operation, tighten Adjustment Bolt securely.

2. TIRE PRESSURE

- Reduce Tire pressure to 14 PSI in front tires; 12 PSI in rear tires. (Tires were overinflated for shipping).

3. HOOD

- To raise Hood, lift at rear of Hood.
- To remove Hood, Grill and Side Panels, raise Hood and loosen one screw on each Side Panel. (The screw remains in the Side Panel) (Fig. 7).
- Unsnap Headlight Connection (Fig. 8).
- Stand in front of Tractor. Grasp Hood and tilt forward and lift off (Fig. 8).
- To reinstall, reverse above procedure.

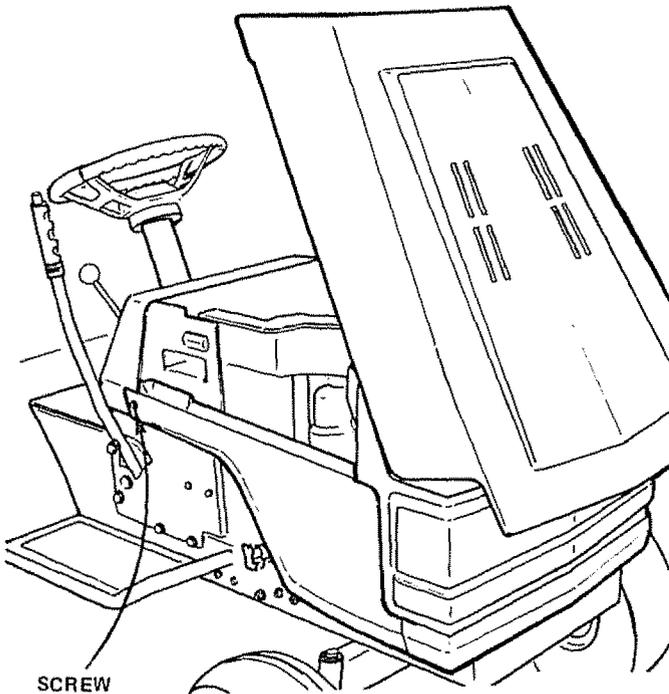


FIGURE 7

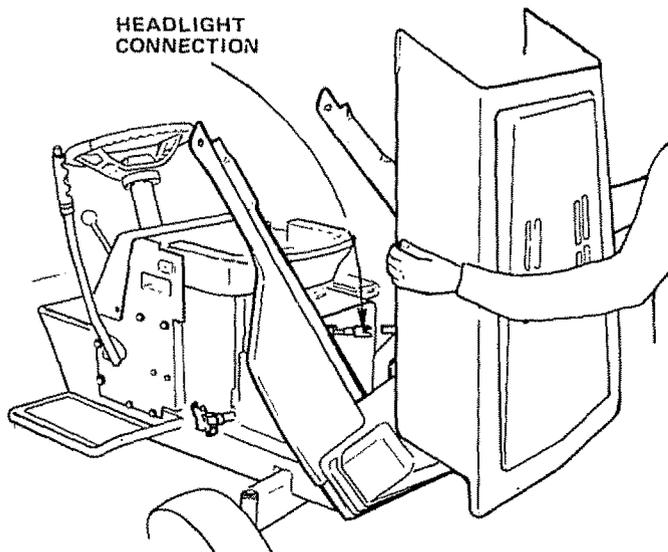


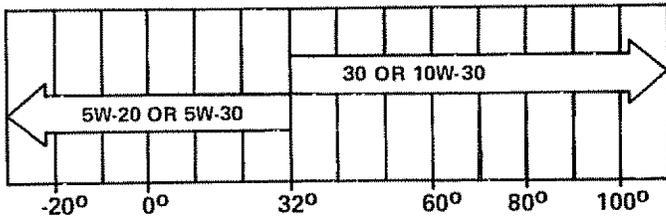
FIGURE 8

INITIAL SERVICE

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

1. Pull up at rear of Hood to open.
2. Check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick (Fig. 9) clean, screw it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached

RECOMMENDED SAE VISCOSITY GRADES



TEMPERATURE RANGE EXPECTED BEFORE NEXT OIL CHANGE. ALL OILS MUST MEET A.P.I. SERVICE CLASSIFICATION SD, SE, OR SF.

Capacity is 3 pints, NOTE: DO NOT OVERFILL. Dipstick assembly must be securely tightened into tube at all times when engine is operating.

3. Fill Fuel Tank (Fig. 9). Use fresh, clean, unleaded automotive gasoline. (Leaded "Regular" grade gasoline is not an acceptable substitute. Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 5 quarts.

WARNING: DO NOT USE GASOHOL OR METHANOL. These type fuels react with water content in the fuel and tend to form strong acids which can corrode metal parts and harm rubber and plastics



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.

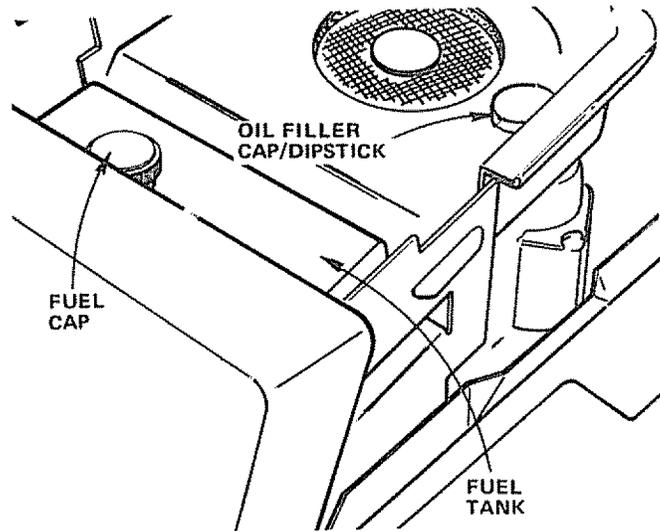
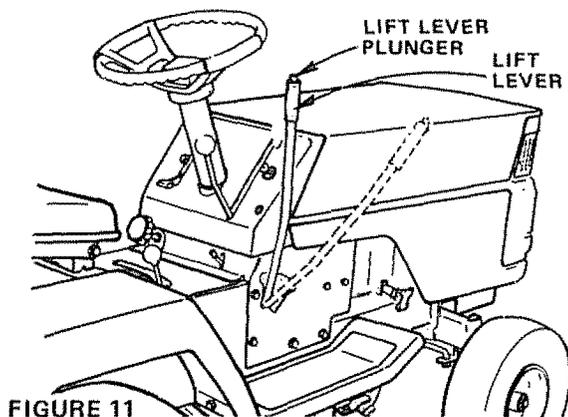
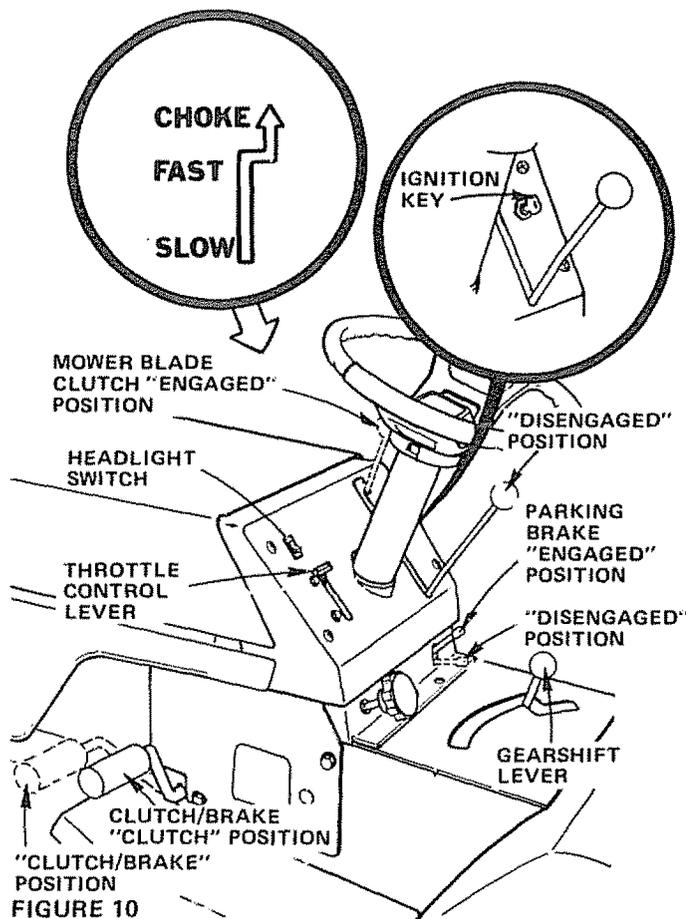


FIGURE 9



OPERATION

NOTE: MOWER OPERATION IS LISTED ON PAGE 11.



THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE MOWER BLADE CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE GEAR SHIFT LEVER IS NOT IN "NEUTRAL" POSITION (FIG. 10). IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

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



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift lever to neutral (Fig. 10).
 - b. Depress Clutch/Brake Pedal and set Parking Brake (Fig. 10).
 - c. Disengage attachment clutch (Mower Blade Clutch Lever) (Fig. 10).
 - d. Shut off engine.
 - e. Remove ignition key.
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

STARTING THE ENGINE

1. Disengage Mower Blade Clutch Lever (Fig. 10).
2. Depress Clutch-Brake Pedal fully. Raise Parking Brake Lever and hold in "ENGAGED" position. Release Clutch-Brake Pedal.



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

3. Place Gear Shift Lever in "NEUTRAL" position (Fig. 10).
4. Move Throttle Control Lever (Fig. 10) to "FAST" detent, then to the right and upward for "CHOKE" position. At the "FAST" position the Lever has a stop. The stop is provided so that you will know when you are at full throttle "FAST" position and prevent over travel into choke position.
5. Turn Ignition Key clockwise (↻) to "START" position and release Key as soon as engine starts (Fig. 10). Immediately move Throttle Control Lever mid-way between "FAST" and "SLOW" positions.
NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If Engine does not start after several attempts, move Throttle Control Lever mid-way between "FAST" and "SLOW" positions, wait a few minutes and try again.



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

WARMING UP THE ENGINE

Move Throttle Control Lever mid-way between "FAST" and "SLOW" positions (Fig. 10). As engine warms up, move Throttle Control Lever to "FAST" position, NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.

When restarting a warm engine, move Throttle Control Lever to "FAST" position, "CHOKE" may not have to be used,

MOWER INSTALLATION

Your 38" Mower installs without the use of tools. Raise Lift Lever (Fig. 11) to its highest position. Turn Depth Adjustment Knob to lowest position (Fig. 14).

1. Install Front Hinge Pin through Axle and Parallel Link (Fig. 12). Secure with Retainer Spring.
 2. Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 12). Secure with Retainer Spring.
 3. Install Clutch Rod in Clutch Lever (Fig. 13 - Inset).
 4. Move Lift Lever (Fig. 11) forward to lower Suspension Arms. Slide Trunnions through Lift Bracket holes and secure with Retainer Springs (Fig. 13).
 5. Roll Belt over Mower Drive Pulley. Make sure Belt is inside Belt Guides (Fig. 14). See Belt Drive Schematic Decal on Mower Housing.
 6. Use Lift Lever (Fig. 11) to raise mower.
- NOTE: SEE MOWER ADJUSTMENT, BELOW.
7. Turn Depth Adjustment Knob clockwise (↻) to the middle of it's travel.

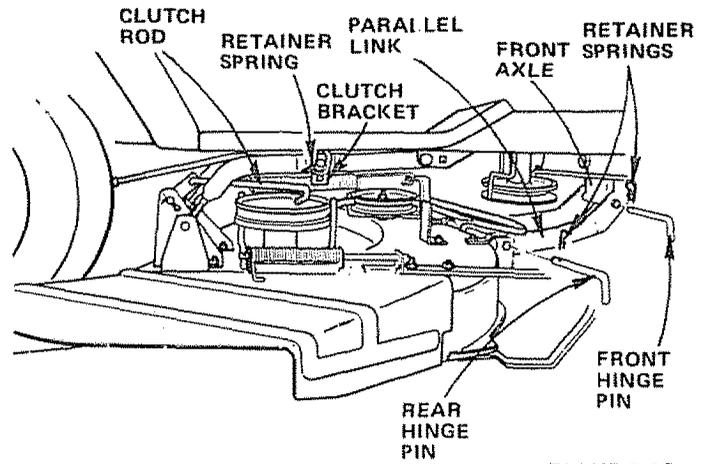


FIGURE 12

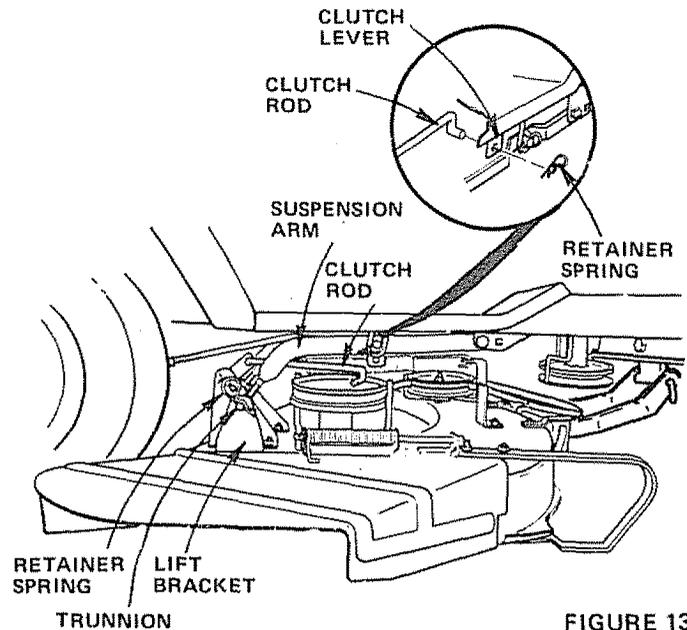


FIGURE 13

MOWER ADJUSTMENT

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "ENGAGED" POSITION. SHUT OFF THE ENGINE. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED, REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.



NOTE: BEFORE CHECKING THE SIDE TO SIDE AND FRONT TO REAR ADJUSTMENTS, PAGE 10, BE SURE PRESSURE IN FRONT TIRES IS 14 PSI AND PRESSURE IN REAR TIRES IS 12 PSI. IF TIRES ARE OVER OR UNDER INFLATED YOU WILL NOT PROPERLY ADJUST YOUR MOWER.

DEPTH ADJUSTMENT

Adjustment for mower height is made with the Depth Adjustment Knob. Raise Mower cutting height by turning Depth Adjustment Knob clockwise (↻). Lower Mower cutting height by turning Depth Adjustment Knob counterclockwise (↺).

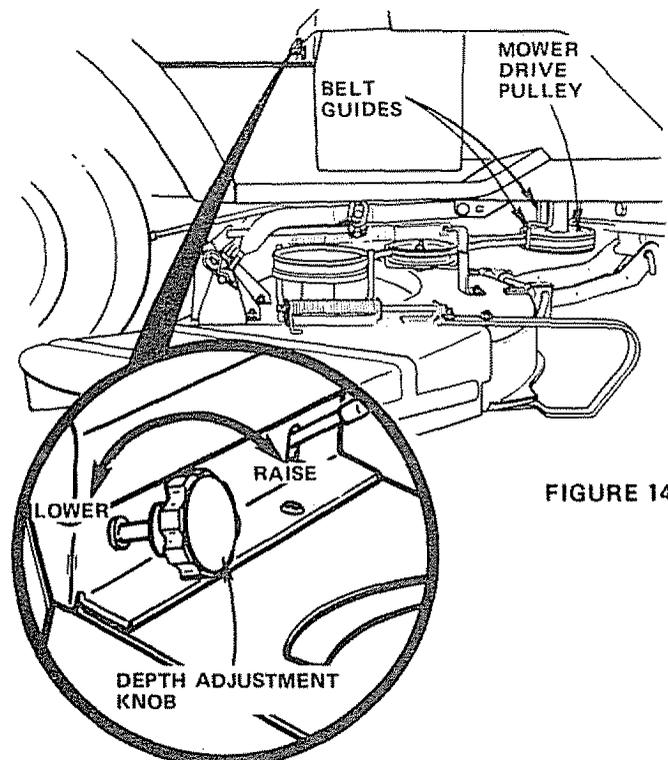


FIGURE 14

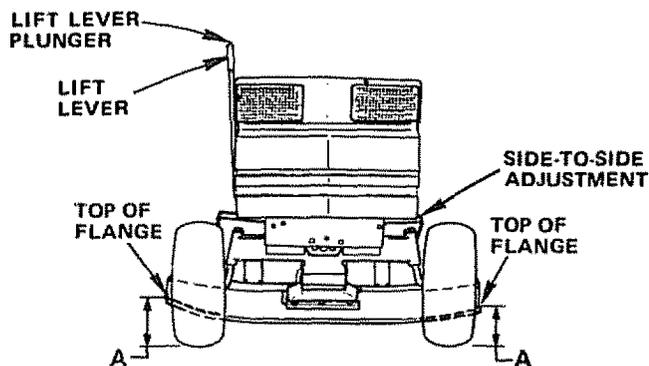


FIGURE 15

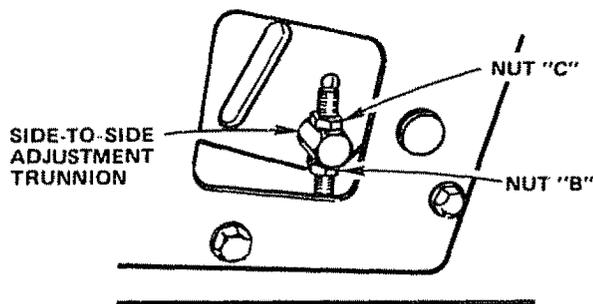


FIGURE 16

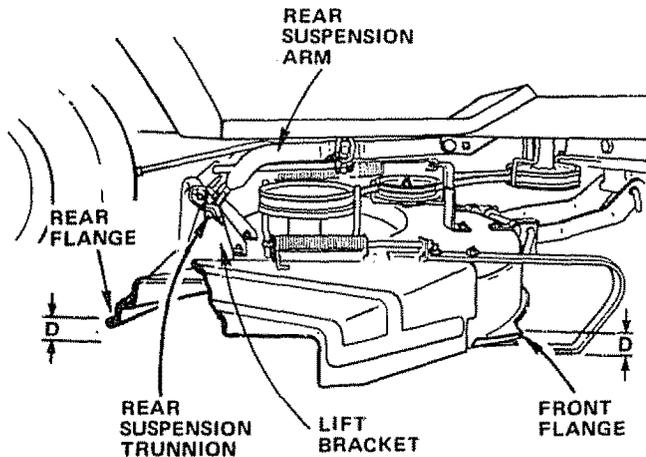


FIGURE 17

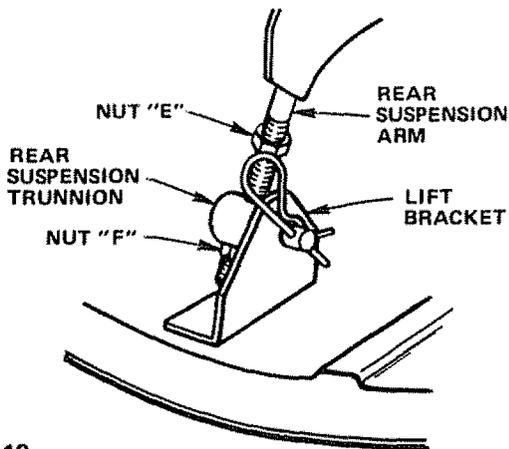


FIGURE 18

LEVEL MOWER FROM SIDE TO SIDE

SEE MOWER ADJUSTMENT, PAGE 9.

1. Park tractor on level surface. Depress Lift Lever Plunger and use Lift Lever to raise mower to maximum cutting height.
2. Measure height of Top of Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15).
3. 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. 16).
4. To raise left side of mower, loosen Nut "B" and tighten Nut "C".
5. To lower left side of mower, loosen Nut "C" and tighten Nut "B".
NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.
6. Be sure all nuts are securely tightened.
NOTE: SEE MOWER ADJUSTMENT, FRONT-TO-REAR, BELOW.

ADJUST MOWER FROM FRONT TO REAR

1. To obtain the best cutting results, your Mower Housing should be adjusted so the Front and Rear Flange distance "D" (Fig. 17) is 5/16" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM SURFACE TO RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT RIGHT FRONT FLANGE.
2. To raise rear of mower, loosen Nut "E" on both Rear Suspension Arms. Screw both Nuts "F" up EQUAL NUMBER OF TURNS (Fig. 18).
3. When distance "D" is 5/16" lower at front than rear, tighten Nut "E".
4. To lower rear of mower, loosen Nut "F" on both Rear Suspension Arms an EQUAL NUMBER OF TURNS (Fig. 18).
5. When distance "D" is 5/16" lower at front than rear, re-tighten Nuts "E".

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

OPERATION - MOWER



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

THE MOWER MUST BE ADJUSTED PROPERLY FROM FRONT TO REAR AND LEVELED FROM SIDE TO SIDE BEFORE OPERATING. THIS IS NECESSARY FOR LEVEL AND EFFICIENT MOWING. REFER TO PAGE 10.

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 19).
2. Push tractor Clutch-Brake Pedal fully into brake position.
3. Place Gear Shift Lever in "NEUTRAL" position.

NOTE: TRACTOR MUST BE IN NEUTRAL AND MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION BEFORE TRACTOR WILL START.

4. Start tractor and set engine speed to about 1/3 to 1/2 throttle before engaging mower. After mower is "ENGAGED" and you have started forward travel, set to FULL THROTTLE.

NOTE: "ENGAGE" OR "DISENGAGE" MOWER BLADE CLUTCH LEVER SLOWLY.



NEVER "ENGAGE" MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.

NOTE: ALWAYS MOW WITH THROTTLE CONTROL IN "FAST" POSITION. THIS RESULTS IN BETTER GRASS CUT, BETTER ENGINE COOLING, AND BETTER FUEL ECONOMY.

5. Use Lift Lever to lower mower into cutting position. Start mowing in the first gear and increase ground speed as conditions will permit. Average cutting height is approximately 2 - 1/2 to 2 - 3/4 inches. Height of cut can be adjusted by means of the Depth Adjustment Knob (Fig. 19). Moving the Knob clockwise (↻) raises the mower (Fig. 14 - Inset). Moving the Knob counterclockwise (↺) lowers the mower.
6. 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. When mowing large areas (Fig. 20) start by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction making left hand turns until finished. If grass is extremely tall, it should be mowed twice. The first time cut relatively high. The second time to the desired height. The left hand side of mower should be used for trimming.

FLIP-UP DISCHARGE GUARD

Your mower has a flip-up Discharge Guard (Fig. 19) for door or gate clearance when held in raised position.



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

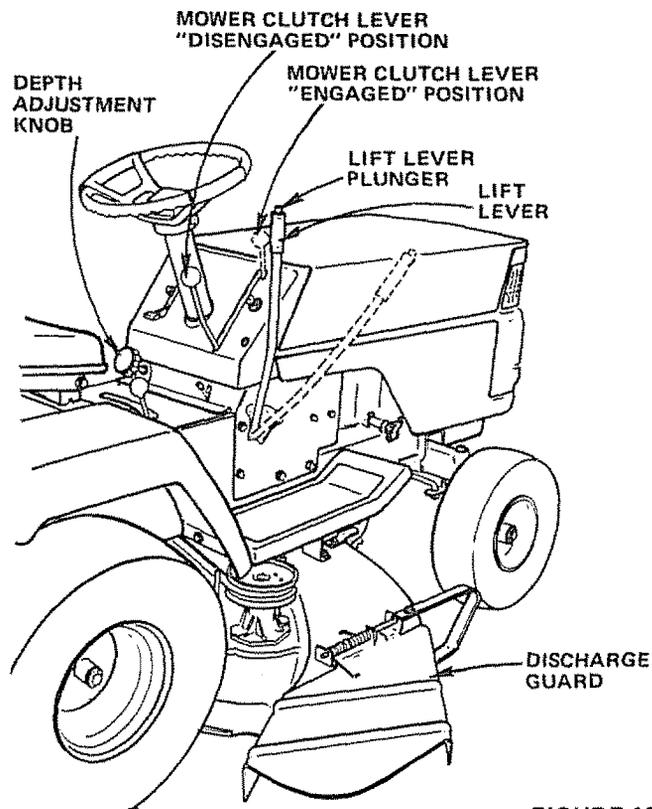


FIGURE 19

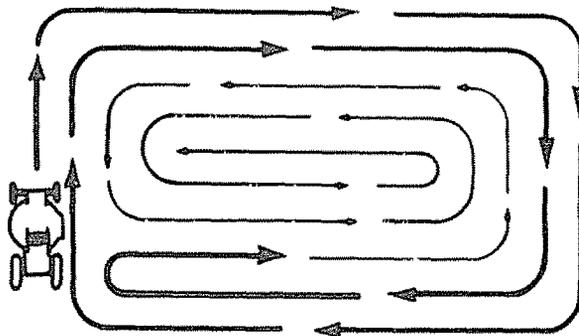


FIGURE 20

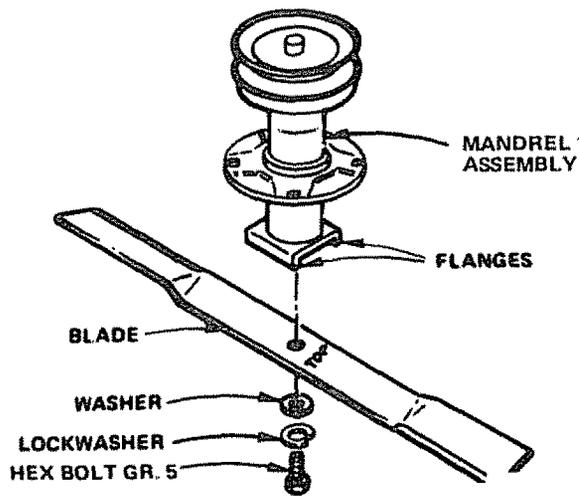


FIGURE 21

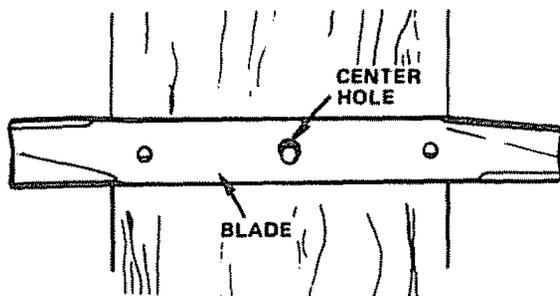


FIGURE 22

MAINTENANCE - MOWER



FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. MOVE GEAR SHIFT LEVER TO "NEUTRAL" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION. TURN IGNITION KEY TO "OFF" POSITION. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED. REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.

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 15 hours of mowing. Do not attempt to sharpen while on mower.

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

To check Blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place Center Hole of clean Blade over the head of the nail (Fig. 22). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 22. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED AND MUST BE REPLACED.

2. To ensure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades. Mower blades can be purchased at any Sears Service Center/Departments and most Sears Retail Stores.

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainers are secure. Keep blades sharp. Observe all safety precautions. Keep mower well lubricated (refer to page 22).

CLEANING MOWER



DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE CLEANING.

Water pressure from a garden hose will remove fresh clippings from underside of mower. Clean mower after each mowing.

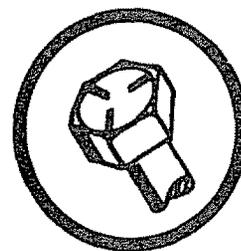
BLADE REPLACEMENT

Raise Mower to highest position to permit access to Blades.

1. Remove Bolt, Lockwasher and Washer (Fig. 21) (turn counterclockwise (↺)).
2. Place new Blade between Flanges, (the word "TOP" is stamped on all Blades to assure proper installation), and secure with Washer, Lockwasher and Bolt previously removed, TIGHTEN SECURELY.



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



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

TRACTOR OPERATION

1. Depress Lift Lever Plunger at top of Mower Lift Lever and move Lever rearward to its "HIGHEST" position (Fig. 23).
2. With engine running and warm, place Throttle Control Lever midway between "FAST" and "SLOW" position.
3. Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24).
4. Move Gear Shift Lever to "1ST" Gear (Fig. 24).
5. Release Clutch-Brake Pedal SLOWLY to start forward movement.
6. If ground travel is too slow, move Throttle Control Lever to "FAST" position or press Clutch-Brake Pedal to stop and shift to a different gear. NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.

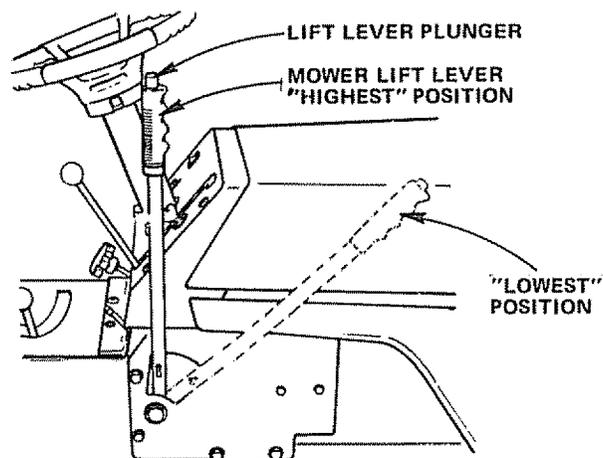


FIGURE 23

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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

NOTE: ALWAYS OPERATE ENGINE AT FULL THROTTLE WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE, LONG ENGINE LIFE AND PROPER DISCHARGE OF CUT MATERIAL. REGULATE GROUND SPEED BY SELECTING A LOW ENOUGH GEAR (FIG. 24) TO GIVE THE MOWER CUTTING PERFORMANCE PLUS QUALITY OF CUT DESIRED.



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

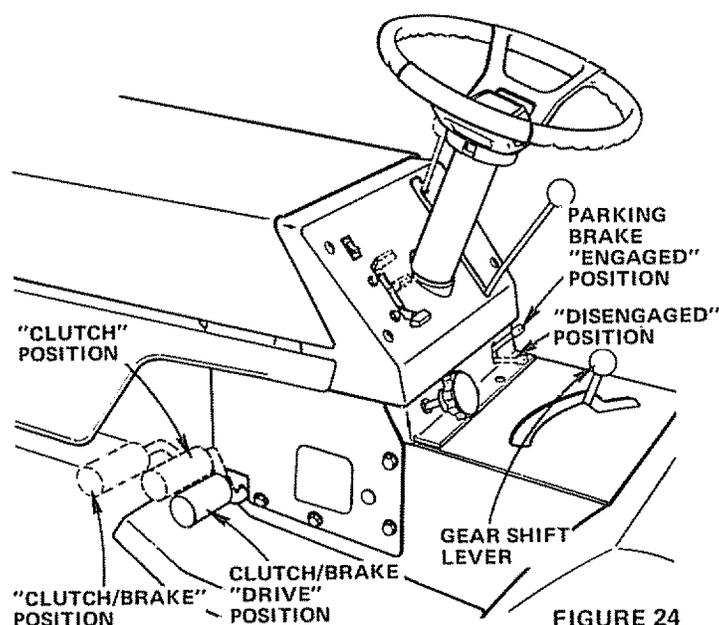


FIGURE 24

TRACTOR OPERATION ON HILLS



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 43.

1. Move Gear Shift Lever to "1ST" Gear before starting up or down hills.
2. **AVOID STOPPING OR SHIFTING ON HILLS.**
 - a. 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.

- b. If stopping is absolutely necessary, push Clutch-Brake Pedal quickly to brake position and engage Parking Brake.
 - c. To restart tractor movement, make sure tractor is in the lowest speed range ("1ST" Gear) and that you have allowed room to roll slightly downhill. Depress Clutch-Brake Pedal fully. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement.
3. Make all turns gradually.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "ENGAGED" position. Raise Parking Brake Lever and hold in "ENGAGED" position (Fig. 24). Release Clutch-Brake Pedal.
4. Move Throttle Control Lever to "SLOW" position.
5. Disengage Mower Blade Clutch Lever.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever in "NEUTRAL" position (Fig. 24). Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

STARTING YOUR TRACTOR WITH A LOW BATTERY

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



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

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



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

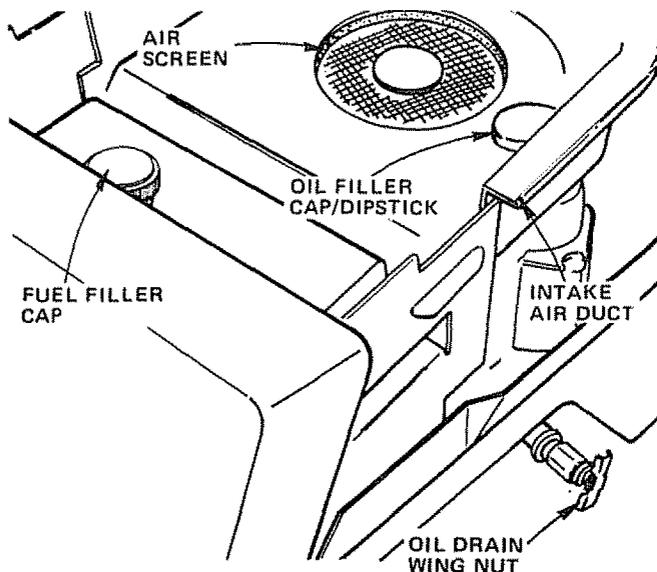


FIGURE 25

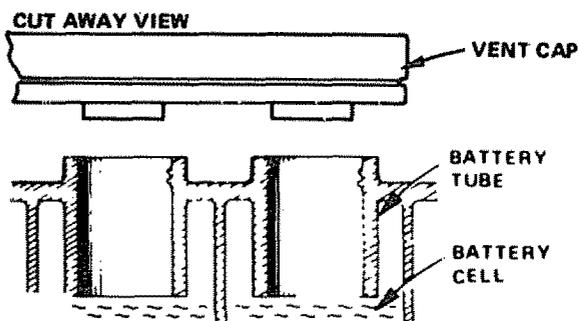


FIGURE 26

MAINTENANCE - TRACTOR

MOWER MAINTENANCE IS LISTED ON PAGE 12.

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule.



REFER TO "STOPPING YOUR TRACTOR" PAGE 13 AND DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR).

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure. Observe all safety precautions. Keep tractor well lubricated (refer to page 22).

FIRST 2 HOURS

1. CHANGE ENGINE OIL

Changing Oil after the first two hours will help eliminate break-in residue which might be damaging to your Engine. **NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHANGING OIL.**

- a. Drain Oil with Engine warm, Loosen Oil Drain Wing Nut (Fig. 25) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Wing Nut.
- b. Refill Engine Oil. See oil chart, page 7, Refill capacity is 1 quart. **NOTE: DO NOT OVERFILL.** Replace Dipstick.

FREQUENTLY

1. CHECK BATTERY

- a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 26). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- b. Keep Battery and Terminals clean.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small Vent holes in Caps open.
- e. Recharge SLOWLY at 3 amperes if necessary.

2. CHECK TIRE PRESSURE

Tire pressure in front Tires should be 14 PSI; rear Tires 12 PSI.

3. CLEAN AIR SCREEN

Air Screen and Intake Air Duct (Fig. 25) must be kept free of dirt and chaff to prevent Engine damage from overheating.

4. CHECK BRAKE OPERATION

This tractor is equipped with an adjustable disc brake mounted on the right side of the transaxle (Fig. 27).



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

NOTE: WHEN ADJUSTING BRAKES DO NOT MOVE 12-POINT BOLT.

NOTE: A 5/64 INCH ALLEN SET SCREW WRENCH IS REQUIRED TO ADJUST THE BRAKE.

- To adjust, tighten Set Screw (Fig. 27) clockwise (↻) until Disc Brake can not be moved by hand. Now loosen Set Screw by turning counterclockwise (↺) 1/2 turn. NOTE: PARKING BRAKE MUST BE DISENGAGED WHILE MAKING ADJUSTMENT.
- Depress Clutch-Brake Pedal and engage Parking Brake.
- Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- If distance is other than 1 - 1/2", turn Nut "A" until distance becomes 1 - 1/2".

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

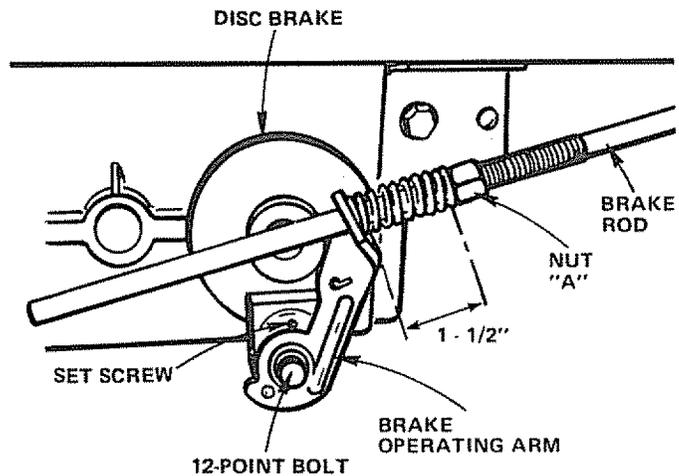


FIGURE 27

EVERY 5 HOURS

CHECK ENGINE OIL LEVEL



DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick clean (Fig. 29), screw it in tight for a few seconds, remove slowly and read Oil level. If necessary, add Oil until "FULL" mark is reached.

EVERY 25 HOURS

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR CLEANER ELEMENT (FIG. 28).

- Open Hood, Pull Intake Air Duct up off engine.
- Remove two screws from Air Cleaner Cover. Lift off Air Cleaner.
- Remove Screen and Spacers from Foam Element.
- Remove Foam Element from Air Cleaner Body.
- Wash Foam Element in liquid detergent and water to remove dirt.
- Wrap foam in cloth and squeeze dry.
- Saturate foam in engine oil. Squeeze to remove excess oil.
- Assemble parts - securely fasten to carburetor with screws.

When assembling make certain the lip of the Foam Element extends over edge of the Air Cleaner Body. The Foam Element lip will form a protective seal.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER OR INTAKE AIR DUCT REMOVED.

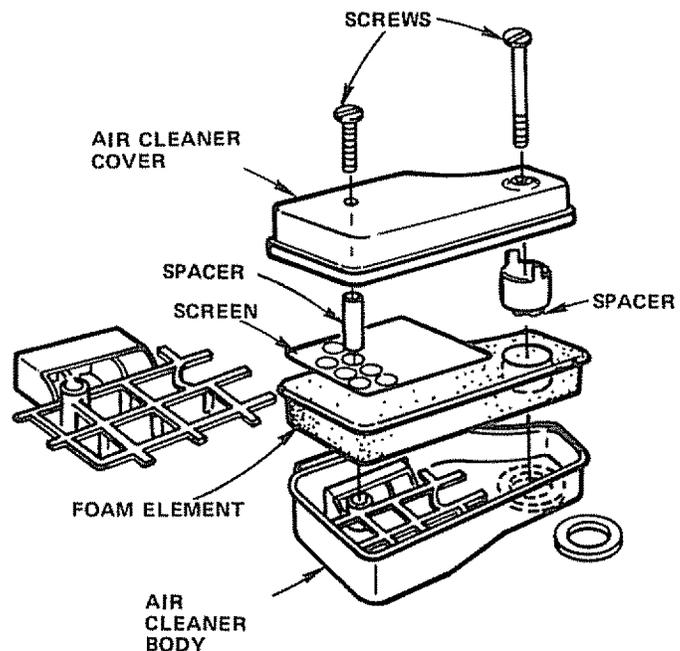


FIGURE 28

2. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot Oil. See oil chart, page 7.

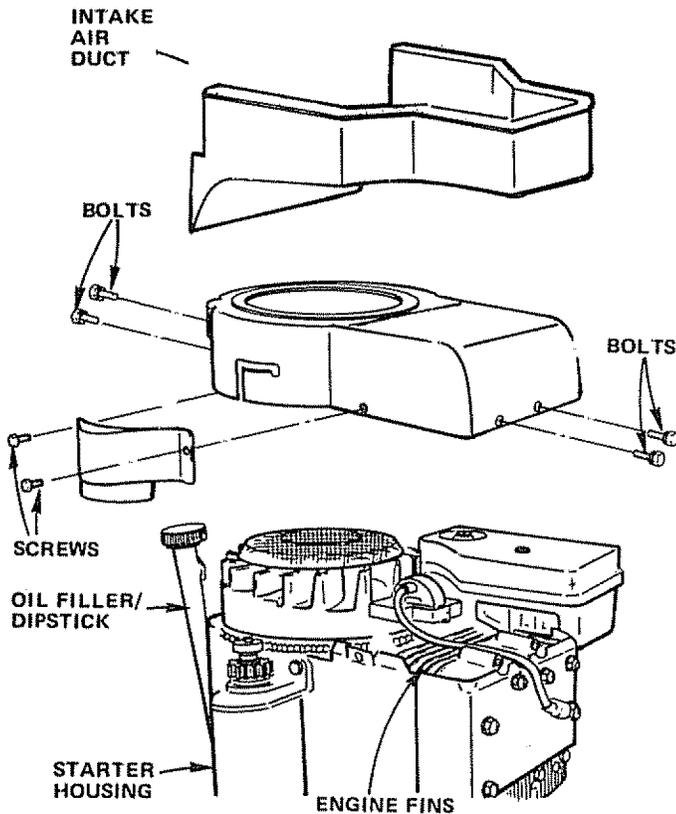


FIGURE 29

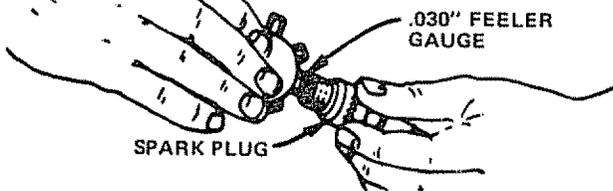


FIGURE 30

EVERY 50 HOURS

1. CLEAN ENGINE COOLING FINS

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

- Pull up to remove Intake Air Duct (Fig. 29).
- Remove four Bolts from blower housing.
- Remove Screws from Starter Housing.
- Pull Oil Filler/Dipstick out of crankcase if clearance is required. Cover opening to prevent entry of dirt.

Pull blower housing up and away from starter.
NOTE: LEAVE AIR CLEANER IN PLACE TO PREVENT DEBRIS FROM GETTING INTO CARBURETOR.

- Use compressed air or stiff bristle brush to thoroughly clean Engine Fins.



WEAR SAFETY GLASSES IF USING COMPRESSED AIR.

- To reassemble, reverse above procedure.

2. MUFFLER

Do not operate the tractor without a Muffler or tamper with the exhaust system.



DO NOT TOUCH HOT MUFFLERS, CYLINDERS OR FINS AS CONTACT MAY CAUSE BURNS.

Periodically clean the muffler area to prevent grass, dirt and combustible material from accumulating. Damaged Mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

EVERY 100 HOURS

The Spark Plug should be changed every 100 hours of operation, or at the beginning of each mowing season. To remove the Spark Plug a Deep Well 13/16" Socket is required. Set Spark Plug gap at .030 inch (Fig. 30).

EVERY 200 HOURS

REPLACE AIR CLEANER ELEMENT

AS NEEDED:

CARBURETOR ADJUSTMENT (FIG. 31)

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment. CAUTION: BEFORE ANY ENGINE ADJUSTMENT, MAKE SURE AIR CLEANER IS CLEAN. SEE PAGE 16. Remove Air Cleaner Assembly.

1. HIGH SPEED SETTING

- With engine off, place Throttle Control in "FAST" position.
- Loosen Clamp Screw. Adjust Throttle Cable until holes "A" are aligned in Governor Control Plate and Slide Plate.
- Tighten Clamp Screw.

2. HIGH SPEED MIXTURE

- Turn High Speed Mixture Screw clockwise (↻) closing finger tight ONLY, and then turn counterclockwise (↺) 1 - 1/2 turns (Fig. 31).
NOTE: VALVES MAY BE DAMAGED BY TURNING THEM TOO FAR.
- Start Engine and allow to warm for five minutes. Make final adjustments with Engine running and Gear Shift Lever in "NEUTRAL" position.
- With Throttle Control Lever in "FAST" position, turn High Speed Mixture Screw counterclockwise (↺) until engine runs "rough" then turn clockwise (↻) until engine begins to miss. Turn Screw to a point midway between these positions.

3. IDLE MIXTURE

- With Throttle Control Lever in "SLOW" position, hold Throttle Lever so that Idle Stop Screw is against Carburetor, turn Idle Mixture Screw counterclockwise (↺) until engine runs "rough" and then turn clockwise (↻) until engine begins to die. Turn Idle Mixture Screw to a point midway between these positions.

4. IDLE SPEED SETTING

- With Throttle Control Lever in "SLOW" position, engine should idle at 1750 RPM. If engine idles too slow, push Throttle Control Lever above idle and turn Idle Speed Screw one turn clockwise (↻). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.
- If engine idles too fast with Throttle Control Lever in "SLOW" position, push Throttle Control Lever above idle and turn Idle Speed Screw one turn counterclockwise (↺). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.

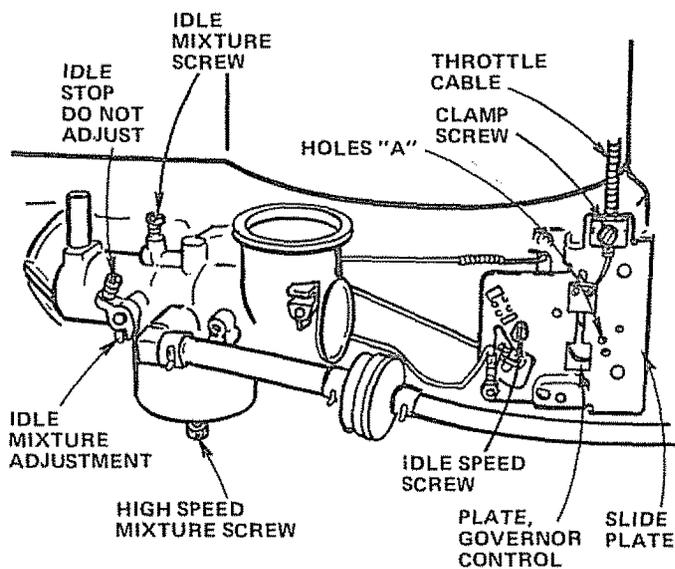


FIGURE 31

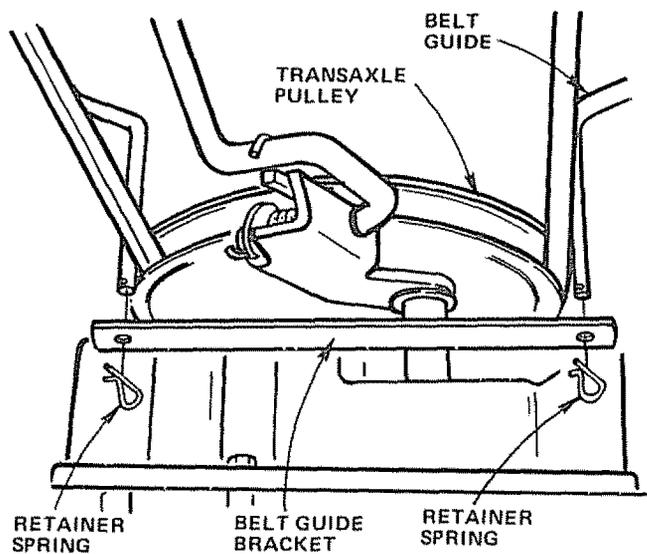


FIGURE 32

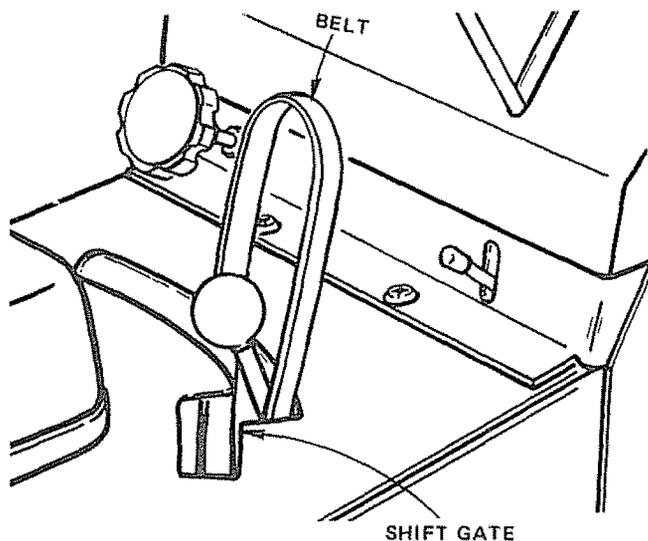
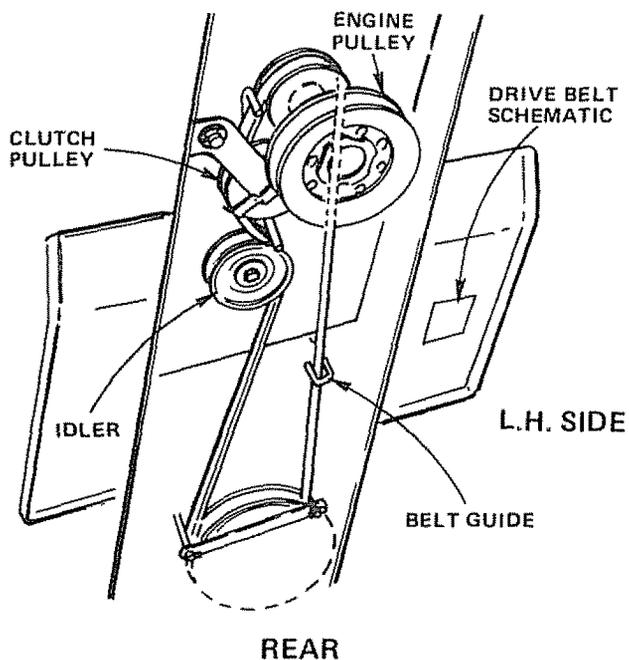


FIGURE 33



VIEWED FROM BOTTOM OF TRACTOR
FIGURE 34

5. REPLACE TRACTOR MOTION DRIVE BELT

The tractor Drive Belt may be replaced without tools. Park the tractor on level area, Engage Parking Brake. NOTE: BELT INSTALLATION DECAL UNDER LEFT FOOT-REST.

- Remove mower. (See Mower Section, page 20).
- Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 32).
- Swing Belt Guides away from Belt, toward rear of tractor (Fig. 32).
- Roll Belt over top of Transaxle Pulley.
- Roll Belt over Engine Pulley and off Idler (Fig. 34).
- Release Parking Brake. Pull Belt as far as possible over top of Clutch Pulley.
- Reset Parking Brake. Pull Belt over top of Clutch Pulley (Fig. 34).
- Pull Belt out through Shift Gate to remove from tractor (Fig. 33).

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

6. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power.



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

- 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 a 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 Vaseline.

7. TIRE CARE

- a. Maintain tire pressure in front tires at 14 PSI and rear tires at 12 PSI.
- b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- d. Removing front wheel for tire repair (Fig. 35).
 - Block up front axle securely. Pull off Dust Cap.
 - Remove Klip Ring and Washer and remove wheel.
 - Repair tire and reassemble. Replace Washer, snap Klip Ring securely in axle groove. Replace Dust Cap.
- e. Removing rear wheel for tire repair (Fig. 36).
 - Block up rear axle securely. Pull off Dust Cap.
 - Remove E-Ring and Washers (1 to 3 as required) and remove wheel.
 - Repair tire and reassemble. Replace Square Key in Axle Shaft.
 - Replace Washers, E-Ring and Dust Cap.

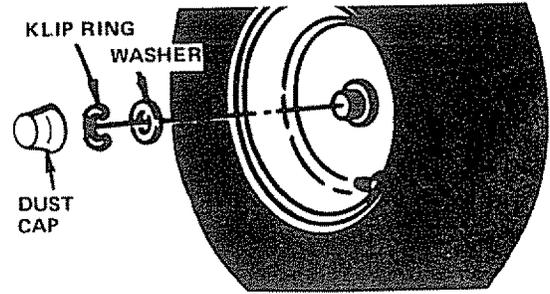


FIGURE 35



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

8. FINISH

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

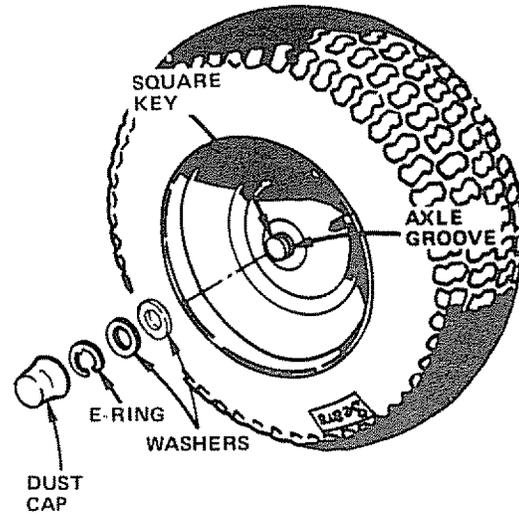


FIGURE 36

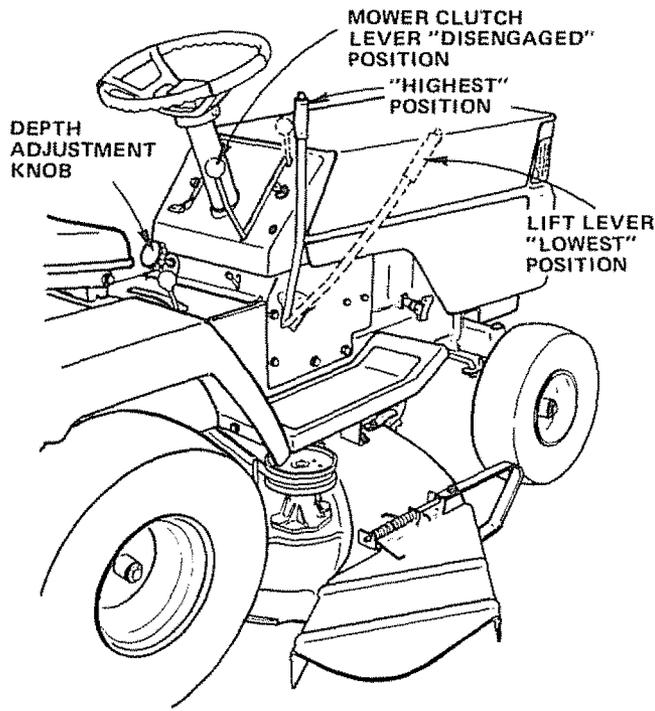


FIGURE 37

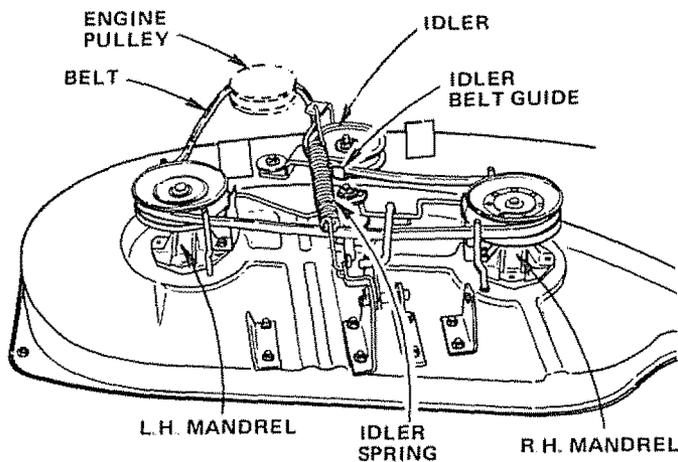


FIGURE 38

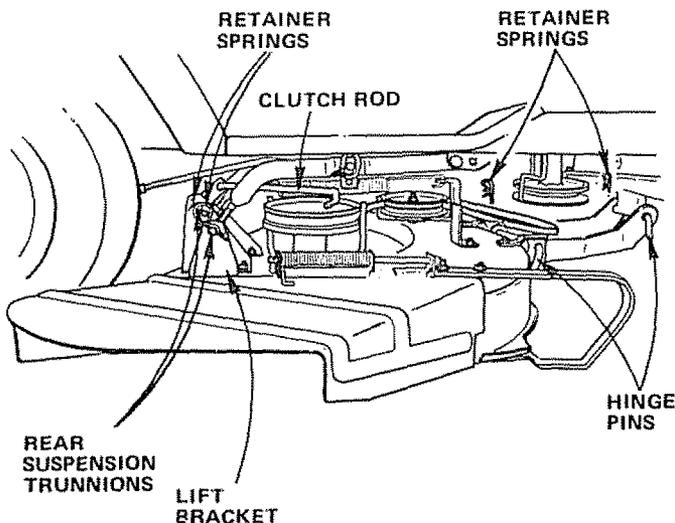


FIGURE 39

TO REMOVE MOWER BELT

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 37).
2. Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 37) forward to lower Mower to its lowest position.
3. Roll Belt off Engine Pulley (Fig. 38).
4. Pull Belt off both Mandrels.
5. Spring Belt Guide away from Idler Pulley and pull Belt off Idler Pulley.
6. Slide Belt from under Idler Spring.

TO REPLACE MOWER BELT

1. Slide Belt under Idler Spring (Fig. 38).
2. Place Belt on rear side of both Mandrels.
3. Spring Idler Belt Guide down and place Belt around rear side of Idler Pulley.
4. Roll Belt over Engine Pulley.

TO REMOVE MOWER

1. Remove mower Belt per instructions under "To Remove Mower Belt", through step 3.
2. Turn Depth Adjustment Knob to lowest position. Use Lift Lever to lower mower to its lowest position.
3. Remove Retainer Spring from Clutch Rod; pull Clutch Rod out of Clutch Bracket.
4. Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 39).
5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin.
6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 39).
7. Use Lift Lever to raise Suspension Arms. Slide mower out from under tractor.

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.

TROUBLE SHOOTING

POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START Shift Lever in gear Mower Blade Clutch Lever engaged No gasoline in Fuel Tank, clogged Fuel Line, or Fuel Filter Blown Fuse Dead Battery	Place in neutral Disengage Lever (Fig. 10). Be sure Lever is in bottom of slot Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary) Replace Fuel Filter. Check for fault and replace Fuse Recharge or replace Battery
HARD TO START Choked improperly, flooded Engine Clogged Fuel System Dirty Air Cleaner Spark Plug dirty or improper gap Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel Improper Carburetor adjustment	Place Throttle Control in "FAST" position (Fig. 10) and run starter several times to clear out gas Remove and clean Tank and lines. Replace Fuel Filter Remove and clean (Fig. 28) Clean, adjust gap or replace (Fig. 30) Recharge or replace Check the wiring and Spark Plug Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug Make necessary adjustments (Fig. 31)
ENGINE MISSES OR LACKS POWER Engine overload Clogged Fuel Tank or Fuel Filter Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Engine Air Screen Low oil level or dirty oil Spark Plug dirty, improper gap or wrong type Faulty ignition Poor compression Oil in gasoline	Shift to a lower gear (Fig. 24) or reduce load Remove and clean Tank; replace Fuel Filter Remove and clean (Fig. 28) Make necessary adjustments (Fig. 31) Clean Air Screen (Fig. 25) Add or change oil (page 14) Replace Spark Plug (Fig. 30) Check Spark Plug and for loose wires Major Engine overhaul Drain Gas Tank and Carburetor and refill
ENGINE OVERHEATS Dirty Air Screen Low oil level or dirty oil Dirty Engine Partially plugged Muffler Partially plugged Air Cleaner Stale fuel or improper Carburetor adjustment	Clean Air Screen (Fig. 25) Add or change oil (page 14) Clean Engine Cooling Fins (page 16) Remove and clean Muffler or replace Remove and clean (Fig. 28) Use fresh fuel and adjust Carburetor (Fig. 31)
NO LIGHTS No Headlights with Light Switch on and Engine running	Check Fuse, Switch and wire connections. Replace Headlight Bulbs
WON'T CHARGE Blown Fuse Defective Battery Defective Diode Assembly Defective Alternator	Check for fault and replace Replace Replace Replace
UNSATISFACTORY MOWER PERFORMANCE Tires not inflated properly Mower improperly adjusted Grass high or wet Incorrect engine RPM's Excessive wear to outer cutting tip of mower blade Improper mower blade installation Incorrect mower blade	Check air pressure in tires (page 6) Check front to rear and side to side mower adjustment (page 10) Use a slower ground speed (refer to Mower Operating Instructions, page 11) Check engine RPM's (refer to Carburetor Adjustment, page 17) Replace mower blade Reinstall with top of blade up Replace with proper mower blade

STORAGE

1. FUEL SYSTEM

- Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

2. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. (See chart, page 7).

3. CYLINDER

- Remove Spark Plug.
- Pour one ounce of engine oil through spark plug hole into cylinder.

- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new Spark Plug.

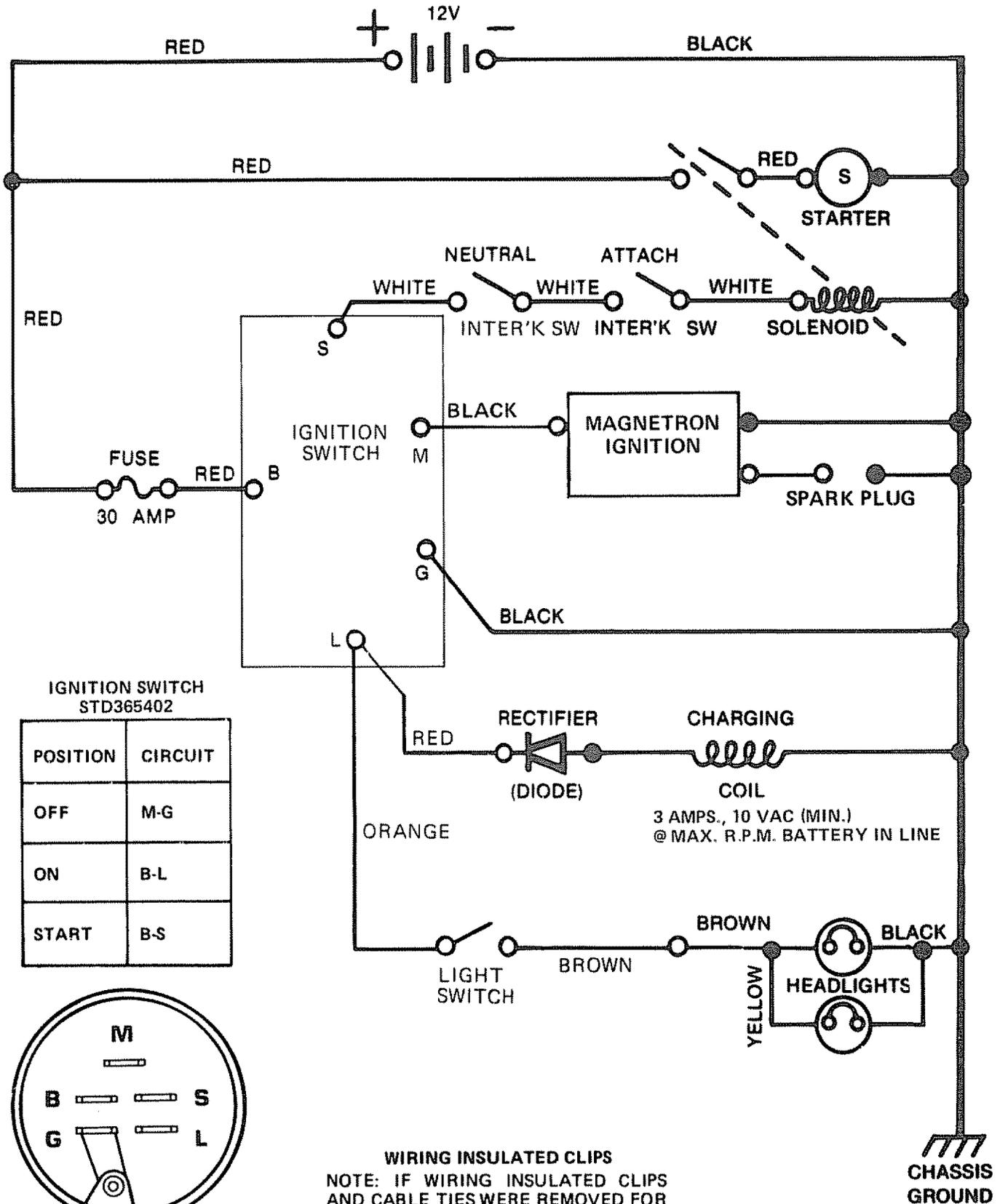
4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F.).
- Re-charge each month if necessary. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

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

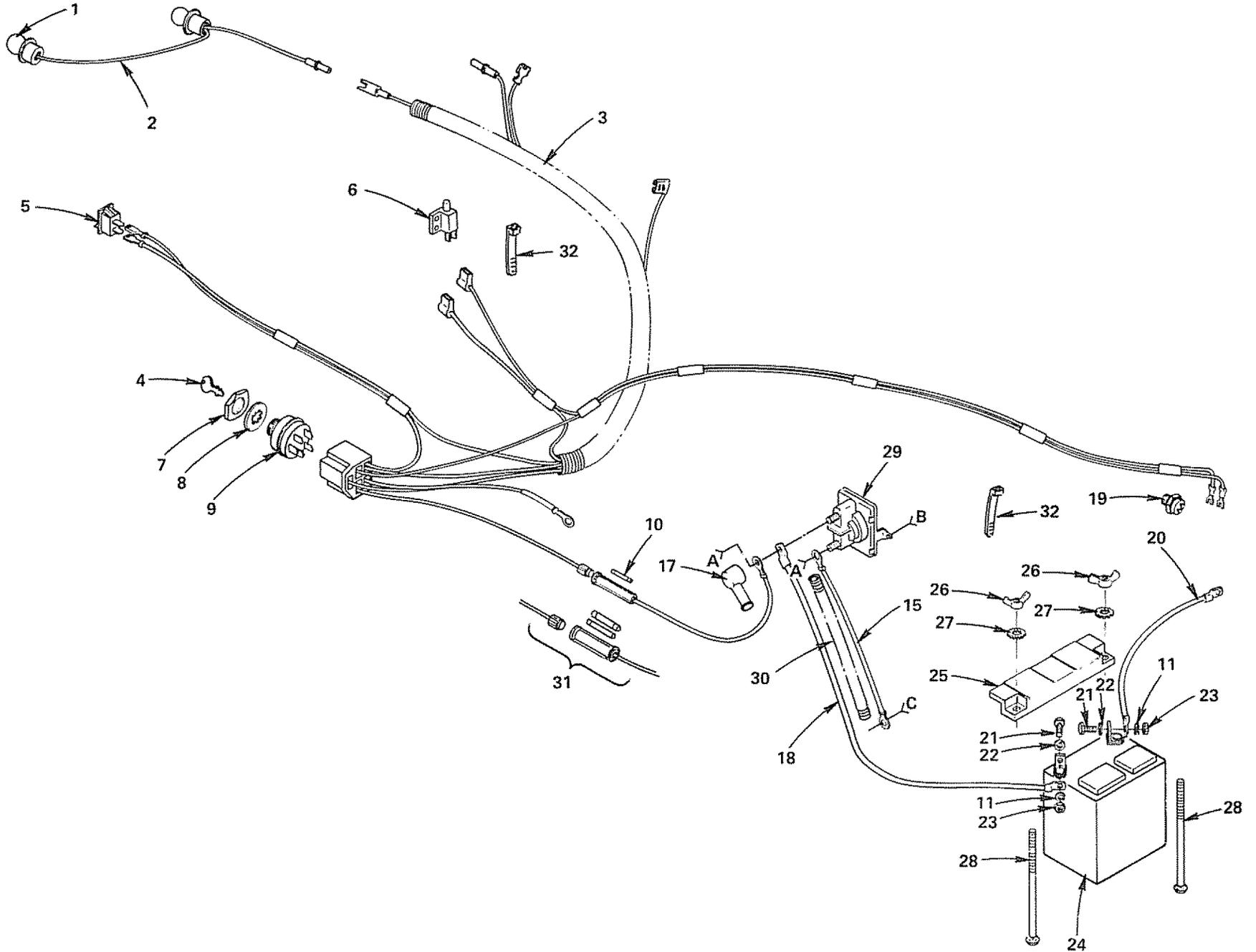
SCHEMATIC



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ELECTRICAL



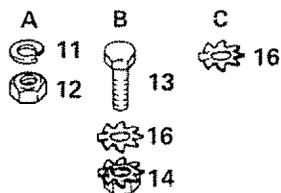
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7662J	Bulb, Light	17	719J	Cover, Terminal
2	105386X	Harness, Light Socket	18	5114J	Cable, Battery
3	106480X	Harness, Ignition	19	105737X	Switch, Interlock
4	STD365410	Key Set	20	2033J	Cable, Battery
5	105381X	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	3258J	Nut, Hex 5/8 - 32	23	STD541025	*Nut, Hex 1/4 - 20
8	11151000	Washer, Lock, Int. Tooth, 5/8	24	104923X	Battery, 12V., Sears
9	STD365402	Switch, Ignition	25	105371X	Terminal Guard
10	STD380300	*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	Battery Bolt (Bolt - Carriage, Rd. Hd. Sq. Neck 1/4 - 20 x 7 - 1/2)
13	STD522505	*Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	29	2008J	Solenoid
14	73510400	Nut, Keps 1/4 - 20	30	106552X	Cover - Cable, 9"
15	4559J	Cable Assembly	31	106580X	Kit, Replacement Fuseholder
16	11050400	Washer Lock, Ext. Tooth, 1/4	32	7192J	Cable Tie
			---	101539X	Sheet - Instruction, Tractor 15 ⁰ Slope
			---	106738X	Owners Manual

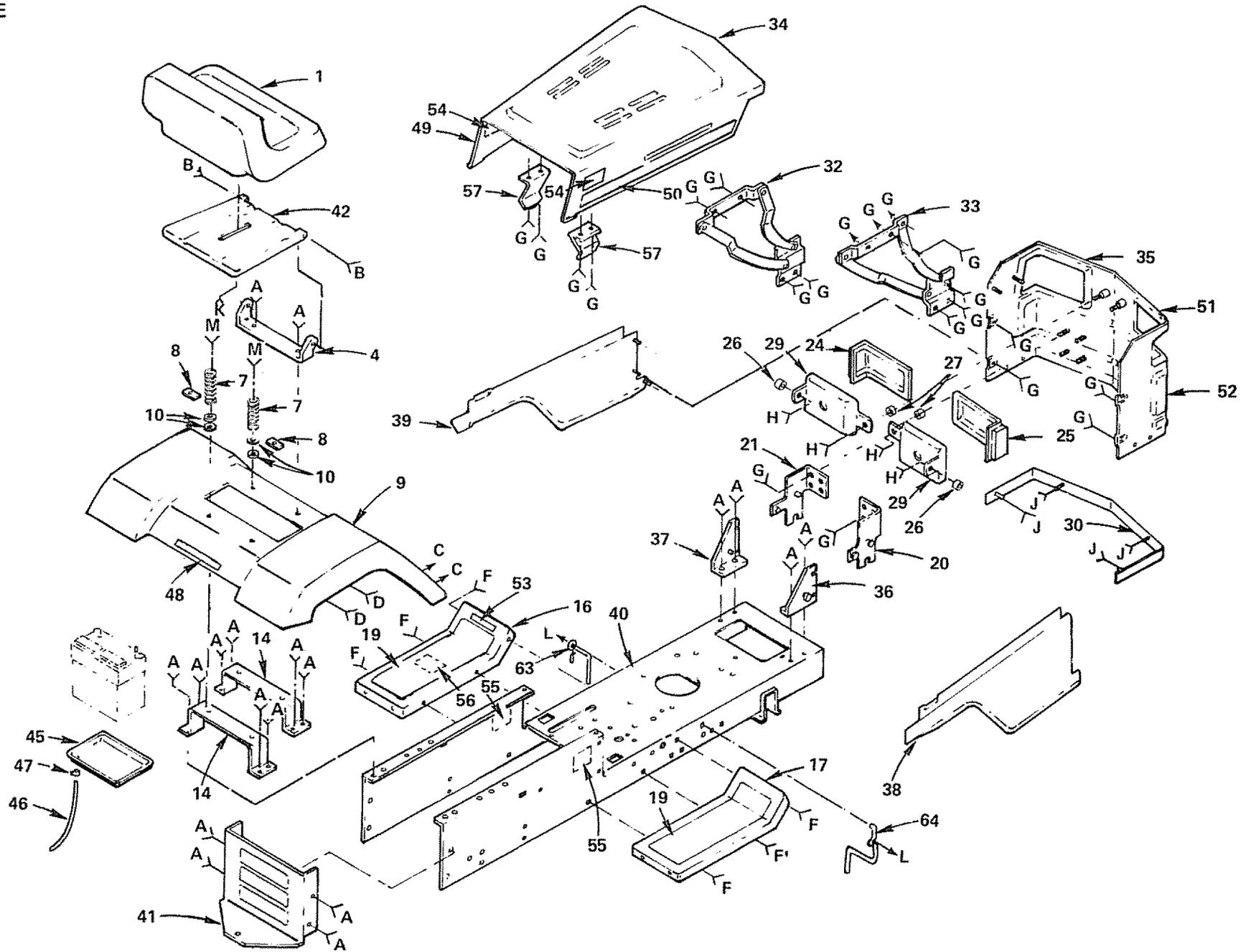
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ENCLOSURE



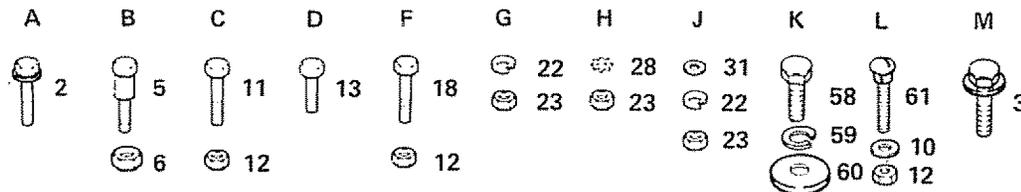
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ENCLOSURE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105873X	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 5/8 - 16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	105604X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16 - 18	37	105606X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16 - 18	38	105683X	Side Panel, R.H.
7	105512X	Spring - Compression	39	105684X	Side Panel, L.H.
8	105514X	Clamp, Spring	40	105666X	Chassis Assembly
9	105274X	Fender	41	102481X	Drawbar
10	19132012	Washer, 13/32 x 1 - 1/4 x 12 Ga.	42	105516X	Pan - Seat
11	STD523707	*Bolt, Hex, 3/8 - 16 x 3/4	45	105372X	Tray, Battery
12	73680600	Nut, Lock 3/8 - 16	46	105687X	Tube - Plastic
13	17490608	Screw, Hex Washer Thd. Roll 3/8 - 16 x 1/2	47	6999R	Clamp, Hose
14	105753X	Bracket, Fender	48	105801X	Decal - Reflective, Rear
16	105465X	Footrest, L.H.	49	105802X	Decal, Stripe, L.H.
17	105464X	Footrest, R.H.	50	105803X	Decal, Stripe, R.H.
18	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4	51	105806X	Decal, Grill Craftsman
19	105466X	Pad, Footrest	52	105807X	Decal, Grill, Stripe
20	105600X	Bracket, Pivot, Grill, R.H.	53	4900J	Decal, Clutch/Brake
21	105602X	Bracket, Pivot, Grill, L.H.	54	105805X	Decal, 11 H.P.
22	STD551125	*Washer, Lock, 1/4	55	105809X	Decal, 5 Speed, 38"
23	STD541025	*Nut, Hex, 1/4 - 20	56	105813X	Decal, V-Belt Schematic
24	105615X	Lens, L.H.	57	105774X	Clip, Hold Down M.L.A.
25	105614X	Lens, R.H.	58	74780812	Bolt, Hex 1/2 - 13 x 3/4
26	105776X	Spacer, .28 x .75 x .20	59	10110800	Washer - Lock - Light 1/2
27	105777X	Spacer, .28 x .75 x .46	60	19171912	Washer 17/32 x 1 - 3/16 x 12 Ga.
28	11030400	Washer, Lock, Int. - Ext. Tooth, 1/4	61	STD523710	*Bolt, Hex 3/8 - 16 x 1
29	105268X	Bezel	63	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
30	105685X	Strap Assembly, Grill	64	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
31	STD551025	*Washer, 9/32 x 5/8 x 16 Ga.			
32	105797X	Hinge, Hood, L.H.			

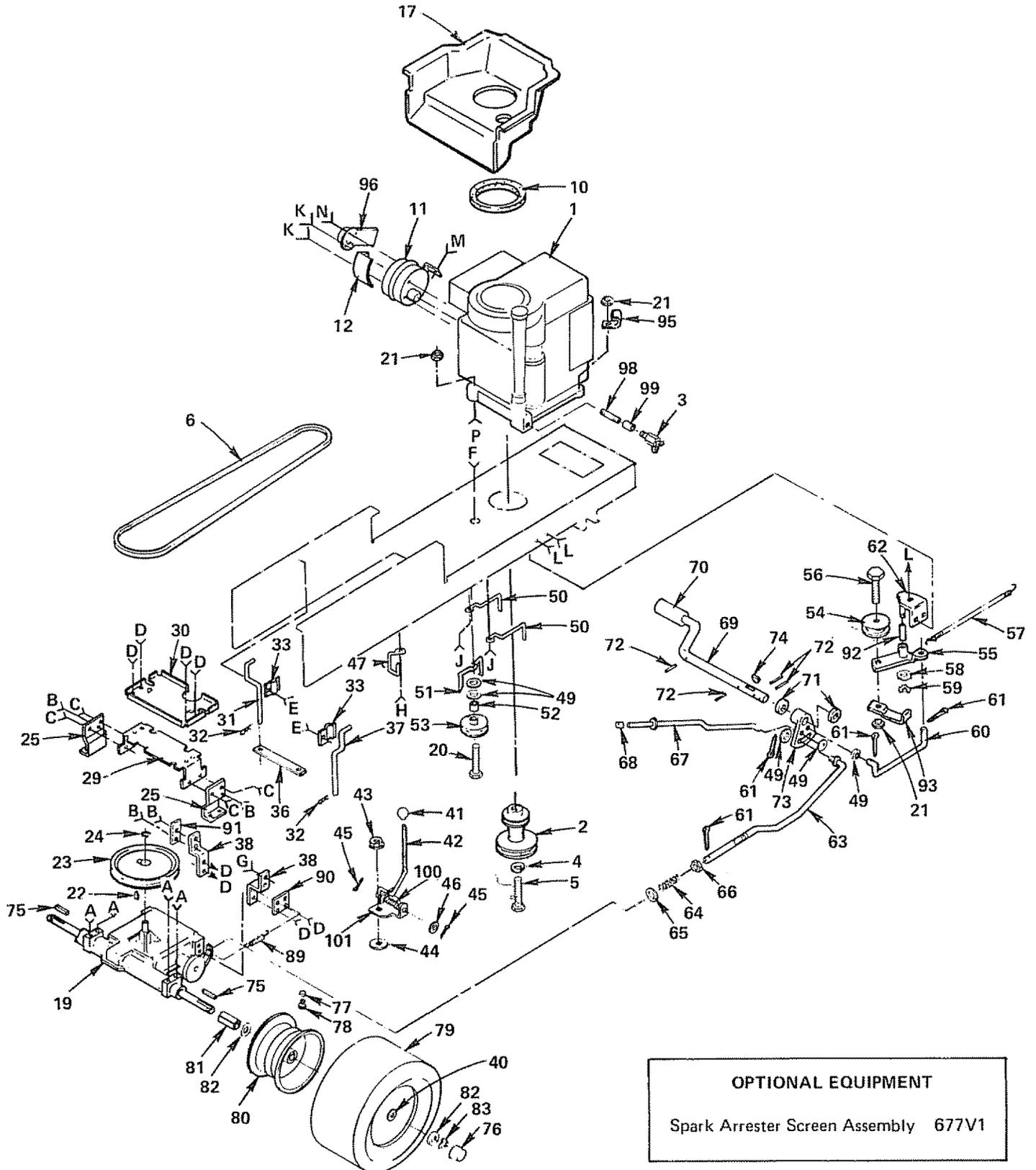
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

DRIVE



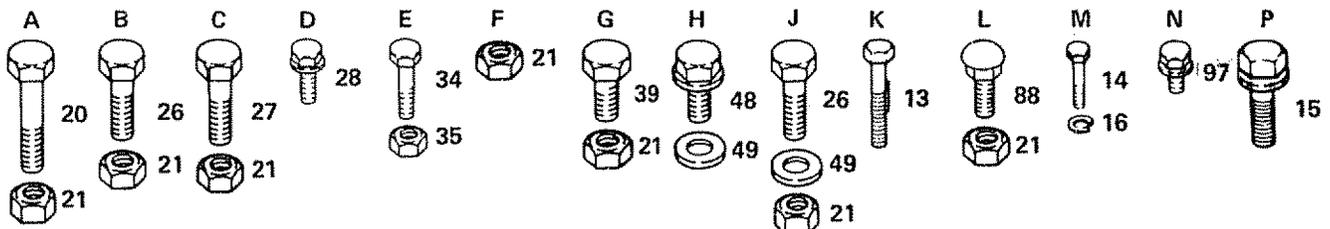
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	101325N	Engine, 11 H.P. Model No. 252707, Type No. 0669-01	49	19131312	Washer 13/32 x 13/16 x 12 Ga.
2	105731X	Pulley, Engine	50	105730X	Keeper, Belt, Engine
3	9767H	Valve, Drain Oil	51	106191X	Keeper, Belt
4	STD551143	*Washer, Lock, 7/16	52	4470J	Spacer
5	74770728	Bolt, Hex 7/16 - 20 x 1 - 3/4	53	4859J	Idler, Flat
6	105732X	V-Belt, Drive	54	106298X	Pulley, Idler
10	106163X	Foam, Strip	55	105705X	Bellcrank Assembly (Inc. Key No. 89)
11	101273M	Muffler	56	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
12	101159L	Shield, Heat	57	105709X	Spring, Return, Clutch
13	74780552	Bolt, Hex Hd. 5/16 - 18 x 3 - 1/4 Gr. 5	58	207J	Washer, Hardened
14	STD522505	Bolt, Hex 1/4 - 20 x 1/2 Gr. 5	59	12000039	Ring, Klip
15	17490620	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 1 - 1/4	60	105710X	Link, Clutch
16	STD551125	*Washer, Lock 1/4	61	76020412	Pin, Cotter 1/8 x 3/4
17	106213X	Duct, Intake, Air	62	105724X	Bracket, Clutch
19	105877X	Transaxle, 5 Speed, Model No. 4150-6 (See pages 36 and 37 for parts breakdown)	63	105752X	Rod, Brake
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	64	105757X	Spring, Rod, Brake
21	73680600	Nut, Lock 3/8 - 16	65	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
22	STD580025	*Key, Woodruff	66	73930600	Nut, Lock 3/8 - 16
23	105703X	Pulley, Transaxle	67	105758X	Rod, Brake, Parking
24	12000028	Ring, Retainer	68	71673	Cap - Plunger
25	3723J	Bracket, Transaxle	69	105720X	Shaft, Foot Pedal
26	STD523710	*Bolt, Hex 3/8 - 16 x 1	70	8883R	Cover - Pedal
27	STD523712	*Bolt, Hex 3/8 - 16 x 1 - 1/4	71	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
28	17490512	Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4	72	STD571810	*Pin, Roll, 3/16 x 1
29	105638X	Bracket, Support	73	105733X	Arm, Brake
30	105639X	Support, Battery	74	STD580025	*Key, Woodruff
31	106188X	Keeper, Belt, L.H.	75	STD580105	*Key, Square 3/16 x 2
32	4921H	Retainer, Spring	76	104757X	Cap, Hub, Rear
33	106190X	Clamp	77	59192	Cap, Valve
34	STD523107	*Bolt, Hex 5/16 - 18 x 3/4	78	65139	Stem, Valve
35	73680500	Nut, Lock 5/16 - 18	79	106268X	Tire, Rear - 18 x 9.50 x 8
36	106294X	Strap, Locator	---	7152J	Tube, Tire (not furnished with tractor)
37	106189X	Keeper, Belt, R.H.	80	106108X	Rim Assembly, Rear
38	105842X	Strap, Torque, Transaxle	81	105702X	Spacer, Split
39	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	82	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
40	19252516	Washer 25/32 x 1 - 9/16 x 16 Ga.	83	12000001	E-Ring
41	6465R	Knob, Shift	88	STD533707	*Bolt, Carriage 3/8 - 16 x 3/4
42	105699X	Rod, Shift	89	106319X	Spring - Ext.
43	73960500	Nut - Lock, Whiz 5/16 - 18	90	106320X	Bracket - Spring
44	105701X	Washer - Shift, Plate	91	106157X	Plate - Strap, Torque
45	STD561210	*Cotter Pin, 1/8 x 1	92	105706X	Bearing
46	19151216	Washer 15/32 x 3/4 x 16 Ga.	93	106499X	Retainer - Belt
47	104777X	Retainer, Belt	95	2751R	Clip - Insulated
48	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	96	106407X	Deflector, Muffler
			97	17390806	Screw, Hex Washer No. 8 - 32 x 3/8
			98	13280312	Nipple, Pipe, 3/8 NPT x 1 - 1/2
			99	13300300	Coupling, Pipe Std. 3/8 - 18 NPT
			100	105700X	Spring
			101	106630X	Plate, Shift

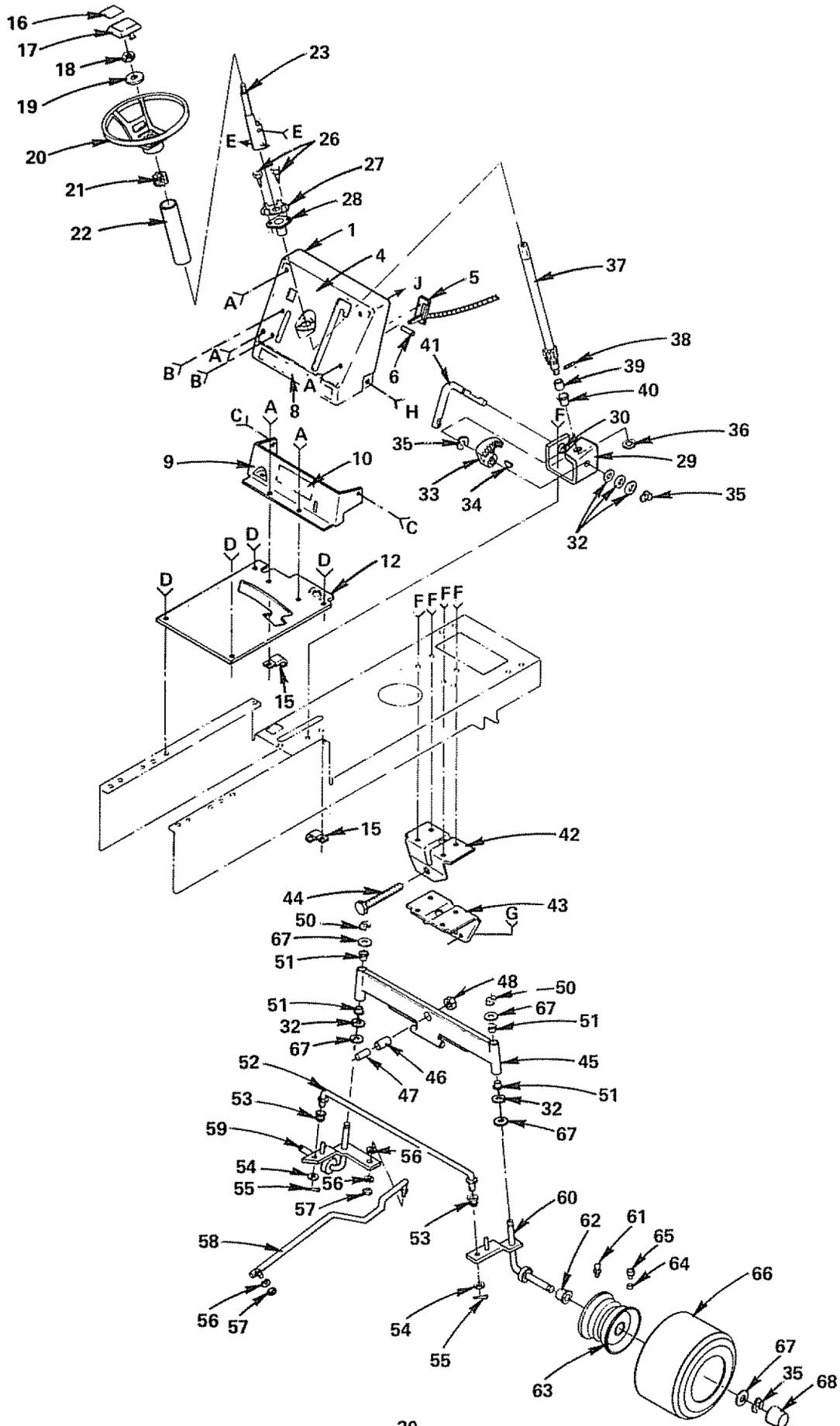
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR—MODEL NUMBER 917.255732

STEERING AND FRONT AXLE



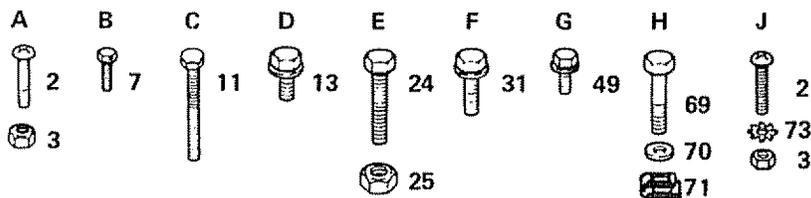
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105620X	Dash	36	19212016	Washer 21/32 x 1 - 1/4 x 16 Ga.
2	74180512	Screw - Truss Hd. Cross Recess 5/16 - 18 x 3/4	37	105641X	Shaft - Steering - Lower
3	73680500	Nut - Lock 5/16 - 18	38	2882J	Pin - Drive 3/16 x 1
4	105800X	Decal - Dash Panel	39	74580	Spacer .627 x .88 x .695
5	105837X	Control - Throttle Cable	40	71208	Bushing
6	61159	Knob	41	106127X	Rod - Steering
7	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	42	105663X	Support - Saddle - Rear
8	106198X	Decal - Dash Lower	43	105664X	Support - Saddle - Front
9	105621X	Dash - Lower	44	74761064	Bolt - Hex 5/8 - 11 x 4
10	106199X	Decal - Caution	45	105669X	Axle - Front
11	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1 - 1/2	46	105725X	Spacer - Axle
12	105843X	Saddle	47	105726X	Bearing - Axle
13	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	48	73901000	Nut - Lock, Flange 5/8 - 11
15	2751R	Clip	49	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
16	105810X	Decal - Cap, Steering Wheel	50	12000029	Klip Ring
17	100710L	Insert - Steering Wheel	51	3366R	Bearing
18	STD541350	* Nut - Hex Jam 1/2 - 20	52	105715X	Rod - Tie
19	100712K	Washer	53	102792X	Bushing
20	100713N	Wheel - Steering	54	19131414	Washer 13/32 x 7/8 x 14 Ga.
21	100711L	Adapter - Steering Wheel	55	STD561210	* Pin - Cotter 1/8 x 1
22	105647X	Sleeve - Steering	56	STD551137	* Washer - Lock 3/8
23	105643X	Shaft - Steering - Upper	57	STD541137	* Nut - Hex 3/8 - 24
24	STD523712	* Bolt - Hex 3/8 - 16 x 1 - 1/4	58	105727X	Link - Drag
25	73680600	Nut - Lock 3/8 - 16	59	105656X	Spindle - L.H.
26	17431008	Screw - Hex Self Tap. No. 10 - 16 x 1/2	60	105654X	Spindle - R.H.
27	105646X	Bracket - Sleeve, Steering	61	278H	Fitting - Grease
28	1554J	Bushing - Steering	62	9040H	Bearing - Flange
29	102531X	Bracket - Steering	63	106732X	Rim - 6" - Front
30	102530X	Bearing - Flange	64	59192	Cap - Valve
31	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	65	65139	Stem - Valve
32	6266H	Bearing - Thrust	66	106222X	Tire - 15 x 6.00 - 6
33	4301J	Gear - Sector	67	59904	Tube - Front (not furnished with tractor)
34	106126X	Key - Woodruff	68	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
35	12000029	Klip Ring	69	104757X	Cap - Hub - Front
			70	106184X	Screw - Special
			71	4043J	Washer
			73	4042J	Clip
				11050500	Washer, Lock, Ext. Tooth, 5/16

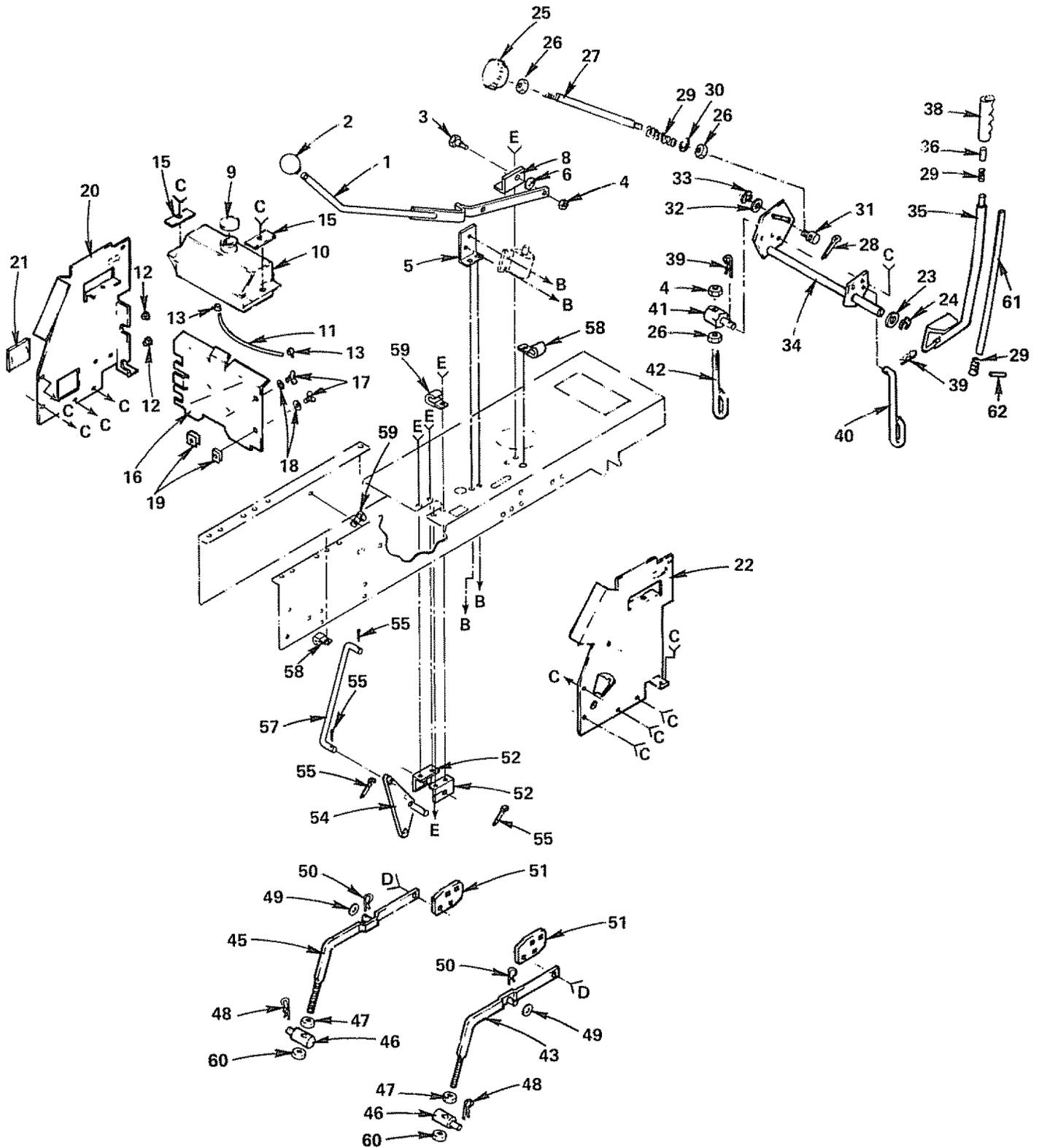
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT



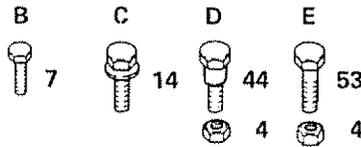
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	29	2876H	Spring
2	9439M	Knob	30	19131016	Washer 13/32 x 5/8 x 16 Ga.
3	106451X	Bolt, Shoulder	31	101272K	Trunnion, Depth Adjustment
4	73680600	Nut, Lock, 3/8 - 16	32	19151216	Washer 15/32 x 3/4 x 16 Ga.
5	106452X	Bracket, Switch, Interlock	33	12000037	Klip Ring
6	19171713	Washer 17/32 x 1 - 1/16 x 13 Ga.	34	105754X	Shaft, Lift
7	17021008	Screw, Hex, Tapping, No. 10 - 24 x 1/2	35	105768X	Lever, Assembly
8	106447X	Support, Lever, Clutch	36	105723X	Plunger
9	105965X	Cap, Fuel	38	106019X	Grip, Handle
10	105738X	Tank, Fuel	39	4939M	Retainer, Spring
11	8547R	Line, Fuel	40	105856X	Link, Lift
12	9151R	Grommet	41	106204X	Trunnion, Lift
13	6999R	Clamp, Hose	42	105855X	Link, Lift, Adjustable
14	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	43	105862X	Arm, Suspension, R.H.
15	105711X	Brace	44	105848X	Bolt, Shoulder, 3/8 - 16
16	105736X	Shield, Heat	45	105863X	Arm, Suspension, L.H.
17	105751X	Stud, 1/4 Turn	46	106308X	Trunnion, Lift, Lower
18	105838X	Retainer - 1/4 Turn	47	STD541250	*Nut, Hex, 1/2 - 13
19	105839X	Receptacle - 1/4 Turn	48	9135R	Retainer, Spring
20	105619X	Panel, Dash, L.H.	49	19171616	Washer 17/32 x 1 x 16 Ga.
21	105505X	Cover, Access	50	4921H	Retainer, Spring
22	105618X	Panel, Dash, R.H.	51	105864X	Bracket, Suspension
23	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	52	106444X	Bracket, Bellcrank
24	12000029	Klip Ring	53	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
25	100734K	Knob	54	106441X	Bellcrank Assembly
26	STD541237	*Nut, Hex Jam 3/8 - 16	55	76020412	Pin, Cotter, 1/8 x 3/4
27	105686X	Rod, Adjust, Lift	57	106446X	Rod, Clutch, Primary
28	76020308	Pin, Cotter 3/32 x 1/2	58	2751R	Clip, Fuel Line
			59	5320R	Clip
			60	73680800	Locknut 1/2 - 13
			61	105764X	Rod Assembly - Lever, Lift
			62	105767X	Pin - Groove

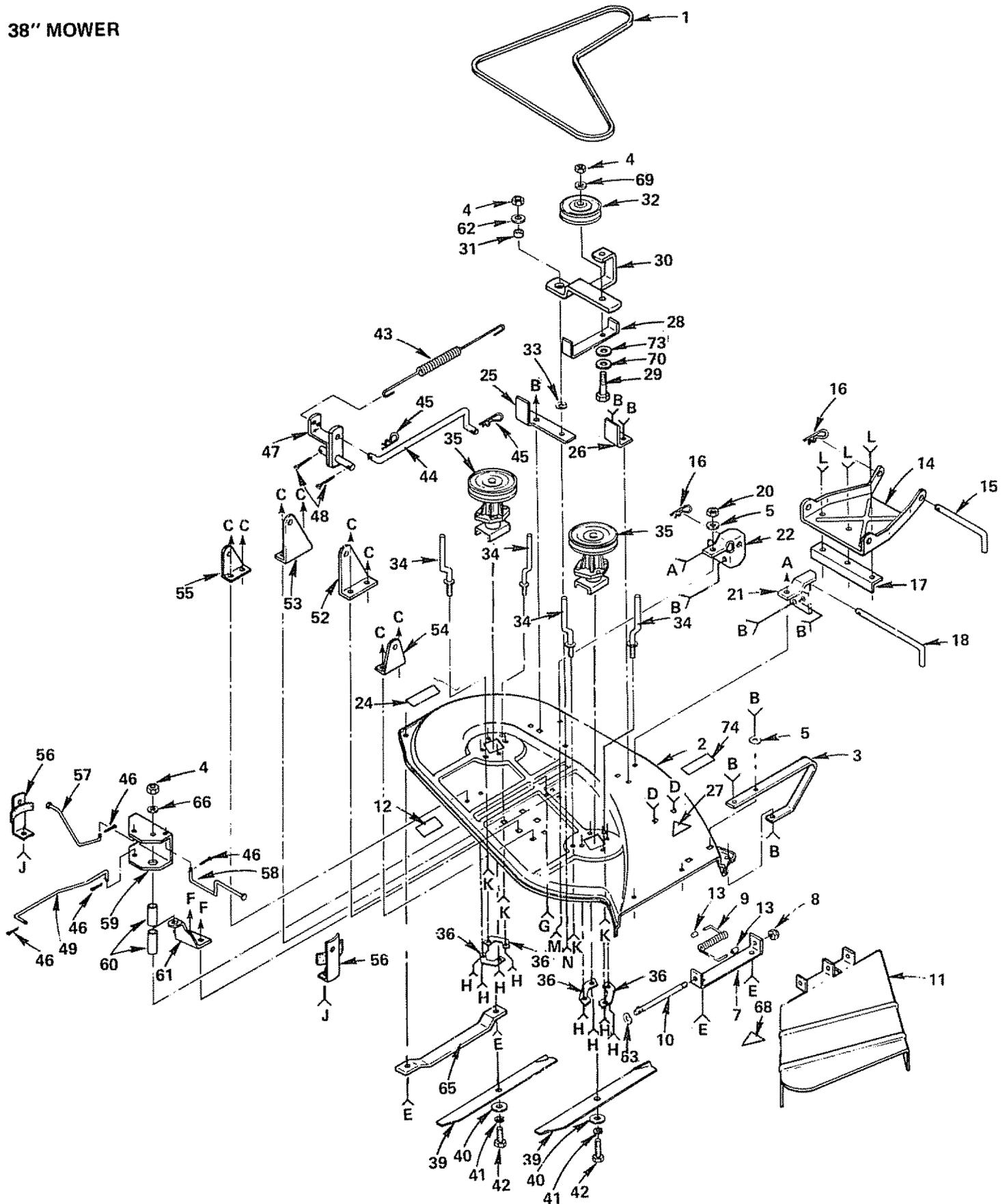
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER



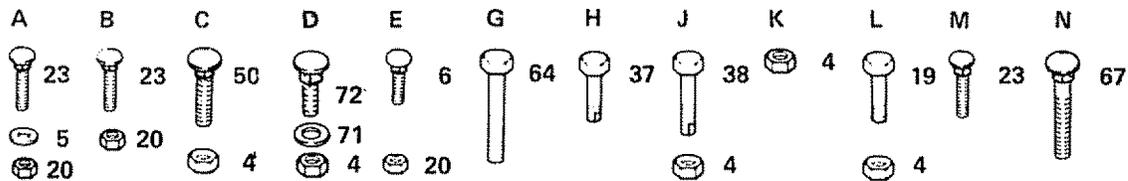
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER

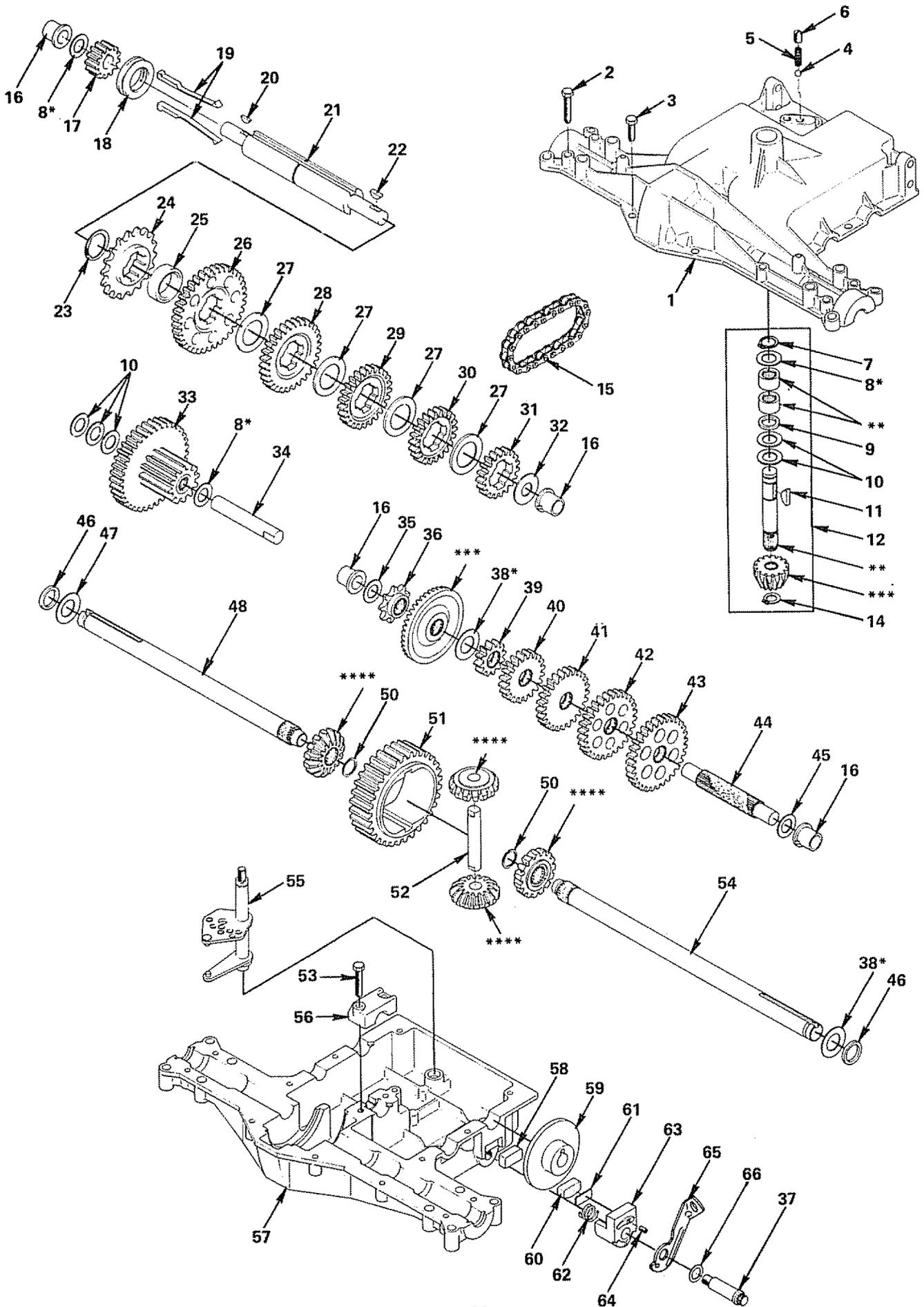
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	39	106634X	Blade, 38"
2	105689X	Housing	40	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	41	STD551137	*Washer, Lock, 3/8"
4	73680600	Nut, Lock, 3/8 - 16	42	STD632715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer, 11/32 x 3/4 x 16 Ga	43	106462X	Spring, Ext.
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	44	106445X	Rod - Clutch, Mower
7	106733X	Bracket, Deflector	45	4921H	Spring - Retainer
8	5846R	Nut	46	STD560907	*Pin - Cotter, 3/32 x 3/4
9	106734X	Spring, Deflector	47	106453X	Pivot Assembly, Mower
10	106735X	Rod - Hinge	48	76020616	Pin, Cotter, 3/16 x 1
11	106736X	Deflector - Shield	49	106457X	Rod, Brake, Primary
12	105814X	Decal	50	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	52	106289X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	53	106288X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	54	105857X	Bracket, Susp., Rear, R.H.
16	9135R	Spring - Retainer	55	105851X	Bracket, Susp., Rear, L.H.
17	105872X	Stop, Link	56	106578X	Brake Assembly
18	105743X	Pin - Hinge, Rear	57	106463X	Rod, Brake, Secondary L.H.
19	STD523707	*Bolt 3/8 - 16 x 3/4	58	106464X	Rod, Brake, Secondary, R.H.
20	73680500	Nut, Lock 5/16 - 18	59	106456X	Bracket, Brake, Pivot
21	105659X	Bracket, Lift, R.H.	60	100672K	Spacer, Brake
22	105660X	Bracket, Lift, L.H.	61	100673L	Bracket, Support
23	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	62	106514X	Washer, Wear 3/16
24	3713J	Instruction - Caution Decal	63	19111016	Washer, 11/32 x 5/8 x 16 Ga.
25	106295X	Support, Arm	64	74760680	Bolt, 3/8 - 16 x 5
26	105850X	Stop, Deck, Front	65	7631J	Runner, L.H.
27	5224J	Decal - Safety Standard	66	19131614	Washer 13/32 x 1 x 14 Ga.
28	106461X	Guide, Belt	67	72140610	Bolt, Carr. 3/8 - 16 x 1 - 1/4
29	STD523720	*Bolt 3/8 - 16 x 2"	68	78850	Decal - Warning
30	106458X	Arm, Idler	69	19141614	Washer 7/16 x 1 x 14 Ga.
31	106283X	Spacer .875 x .309 x .330	70	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
32	102403X	Pulley, Idler	71	19141610	Washer 7/16 x 1 x 10 Ga.
33	106513X	Washer, Wear, 1/16	72	72110606	Bolt, Carriage 3/8 - 16 x 3/4
34	102669X	Keeper, Belt	73	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
35	105891X	Mandrel Assembly	74	106679X	Decal - Warning
36	100668L	Plate, Support, Mandrel			
37	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4			
38	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4			

*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105903X	Housing, Upper	36	105928X	Sprocket, 9T, Reverse Drive
2	2276J	Screw, Tapping, 1/4 - 20 x 1.31 Lg.	37	2285J	Bolt, Shoulder
3	2274J	Screw, Tapping, 1/4 - 20 x .875 Lg.	38	105930X	Washer, Plain, .758 x 1.12 x .015
4	68003	Ball, Detent	38	105931X	Washer, Plain, .758 x 1.12 x .020
5	105904X	Spring, Detent	38	105932X	Washer, Plain, .758 x 1.12 x .025
6	105905X	Screw, Set	38	3417J	Washer, Plain, .758 x 1.25 x .020
7	2267J	Ring, Retaining	38	106097X	Washer, Plain, .758 x 1.25 x .025
8	2233J	Washer, Plain, .632 x 1.00 x .020	38	2264J	Washer, Plain, .758 x 1.25 x .031
8	2232J	Washer, Plain, .632 x 1.00 x .026	38	106098X	Washer, Plain, .758 x 1.25 x .035
8	2231J	Washer, Plain, .632 x 1.00 x .031	38	2265J	Washer, Plain, .758 x 1.25 x .040
8	2230J	Washer, Plain, .632 x 1.00 x .036	38	106586X	Washer, Plain, .758 x 1.25 x .045
8	2229J	Washer, Plain, .632 x 1.00 x .041	38	106587X	Washer, Plain, .758 x 1.25 x .050
8	2228J	Washer, Plain, .632 x 1.00 x .046	38	106588X	Washer, Plain, .758 x 1.25 x .055
8	2227J	Washer, Plain, .632 x 1.00 x .050	38	2263J	Washer, Plain, .758 x 1.25 x .062
8	2226J	Washer, Plain, .632 x 1.00 x .060	39	105933X	Gear, Spur, 12T, 1st - Drive
8	105906X	Washer, Plain, .632 x 1.00 x .082	40	105934X	Gear, Spur, 20T, 2nd - Drive
9	6725J	O-Ring	41	106589X	Gear, Spur, 25T, 3rd - Drive
10	2228J	Washer, Plain, .632 x 1.00 x .046	42	106130X	Gear, Spur, 28T, 4th - Drive
11	2257J	Key, Woodruff, No. 9	43	105937X	Gear, Spur, 31T, 5th - Drive
12	106597X	Assembly, Kit, Input Shaft & Bevel Gear	44	105938X	Shaft, Drive, Splined
13	106598X	Ass'y., Kit, Pinion & Bevel Gear	45	2226J	Washer, Plain, .640 x 1.00 x .060
14	105909X	Ring, Retaining	46	2272J	Seal, Felt
15	105910X	Chain, 24 Pitches	47	2264J	Washer, Plain, .758 x 1.25 x .031
16	105911X	Bearing, Flange	48	106590X	Axle, L.H.
17	105912X	Gear, Spur, 14T	49	106599X	Ass'y., Kit, Miter Gear
18	105913X	Collar, Clutch	50	105941X	Ring, Retaining
19	105914X	Key, Clutch	51	2268J	Gear, Spur, 32T, Differential
20	2242J	Key, Woodruff, No. 3	52	2270J	Shaft, Cross
21	105915X	Shaft, Intermediate	53	106596X	Screw, Tapping, 5/16 - 18 x 1.44 Lg.
22	2244J	Key, Woodruff, No. 61	54	106593X	Axle, R.H.
23	105916X	Ring, Retaining	55	106594X	Assembly, Shifter
24	105917X	Sprocket, 18T, Reverse - Clutch	56	106595X	Cap, Support
25	105918X	Spacer	57	105945X	Housing, Lower
26	105919X	Gear, Spur, 37T, 1st - Clutch	58	4175J	Puck, Friction, Inner
27	105920X	Washer, Special	59	2278J	Disc, Brake
28	105921X	Gear, Spur, 30T, 2nd - Clutch	60	4170J	Puck, Friction, Outer
29	105922X	Gear, Spur, 25T, 3rd - Clutch	61	4169J	Spacer
30	106129X	Gear, Spur, 22T, 4th - Clutch	62	2280J	Spring, Compression
31	105924X	Gear, Spur, 19T, 5th - Clutch	63	6723J	Assembly, Jaw, Brake
32	105925X	Washer, Plain, .640 x 1.37 x .061	64	2281J	Screw, Set, No. 8 - 32 x .312
33	105926X	Assembly, Gear, Comb., 12T & 35T	65	105946X	Assembly, Lever, Actuating
34	105927X	Shaft, Idler	66	2284J	Washer, Plain, .510 x .750 x .006
35	3413J	Washer, Plain, .631 x 1.00 x .010			

*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCES

**ORDER KEY NO. 12

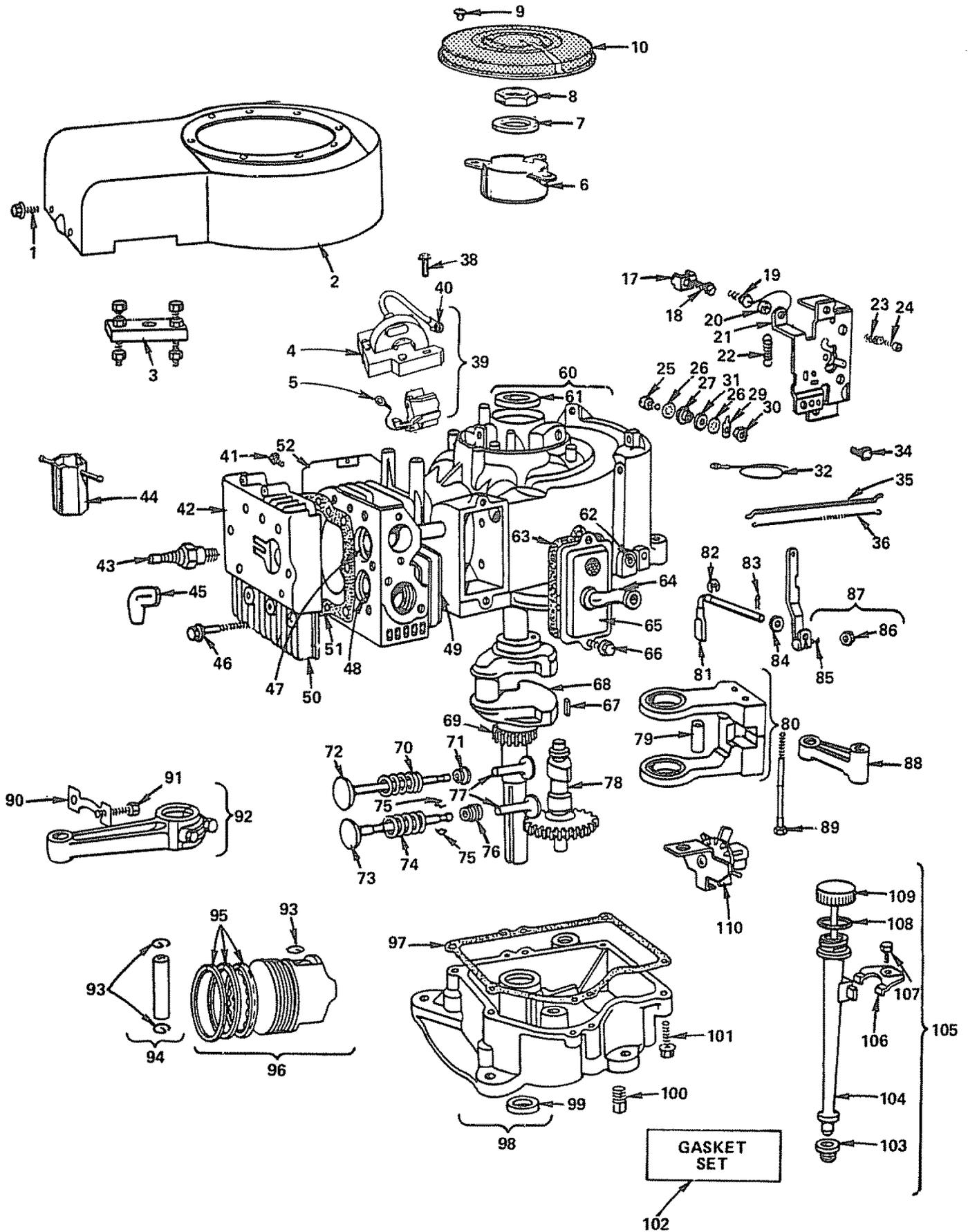
***ORDER KEY NO. 13 (CONTAINS PINION & BEVEL GEAR)

****ORDER KEY NO. 49 (CONTAINS 4 MITER GEARS, 2 RETAINING RINGS AND SHIM WASHERS)

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93158	Screw - Blower Hsg Mtg. Sem	65	391406	Breather Assembly
2	391556	Housing - Blower	66	93394	Screw - Sem
3	19203	Puller - Flywheel	67	222698	Key - Flywheel
4	395326	Armature Assembly (Less Trigger Coil)	68	392299	Crankshaft
5	394970	Trigger Coil	69	261196	Gear - Timing
6	222561	Cup - Screen Mtg.	70	65906	Spring - Intake Valve
7	220865	Washer - Spring	71	221596	Retainer - Intake Valve
8	92284	Nut - Hex	72	261462	Valve - Intake
9	93805	Screw - Sem	73	261185	Valve - Exhaust
10	222562	Screen - Flush Rotating	74	26828	Spring - Exhaust Valve
17	221535	Clamp - Casing	75	93630	Retainer - Exhaust Valve Rotocoil
18	93496	Screw - Sem	76	292260	Rotocoil - Exhaust Valve
19	93686	Screw - Control Brkt. Mtg.	77	261183	Tappet - Valve
20	231039	Spacer - Control Brkt. Mtg.	78	212897	Gear - Cam
21	396199	Plate - Gov. Contol	79	298909	Pin - Counterweight
22	261306	Spring - Governor	80	391373	Counterweight Assy. (Inc. Key No. 79)
23	26157	Spring - Throttle Adjustment	81	231058	Crank - Governor
24	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8"	82	93307	Retainer - E-Ring
25	91920	Screw - Terminal (Fill. Hd.)	83	93306	Cotter - Hairpin
26	92791	Washer - Lock - Shakeproof	84	222450	Washer - Governor Crank
27	66554	Collar - Insulating	85	92613	Bolt - Governor Lever
29	93722	Terminal - Spade	86	231082	Nut - Hex 10 - 24
30	90576	Nut - Hex 8 - 32	87	391733	Lever Assy. - Governor (Inc. Key No's. 85 & 86)
31	66068	Washer - Insulating	88	212359	Link - Counterweight
32	299500	Wire - Ground	89	93875	Screw - Counterweight
34	93572	Screw	90	222299	Lock - Conn. Rod Screw
35	261609	Link - Governor	91	92909	Screw - Conn. Rod
36	261911	Spring - Governor Link	92	391775	Rod Assy. - Conn. (Inc. Key No's. 90 & 91)
38	93381	Screw - Armature Mtg. Sem	93	260924	Lock - Piston Pin
39	395492	Armature Group	94	299691	Pin Assy. - Piston - Std. (Inc. Key No. 93)
40	221798	Terminal - Ignition Cable	94	391286	Pin Assy. - Piston .005" O.S.
41	93163	Screw - Cylinder Shield Mtg. Sem	95	391780	Ring Set - Piston - Std.
42	222725	Cover - Cylinder Head	95	391781	Ring Set - Piston .010" O.S.
43	298809	Plug - Spark	95	391782	Ring Set - Piston .020" O.S.
44	89838	Plug - Spark - Wrench	95	391783	Ring Set - Piston .030" O.S.
45	66538	Elbow - Spark Plug	96	391285	Piston Assy. - Std. (Inc. Key No's. 93 & 95)
46	93723	Screw - Cylinder Head	96	391287	Piston Assy. - .010" O.S.
47	261463	+Seat - Intake Valve	96	391288	Piston Assy. - .020" O.S.
48	210940	+Seat - Exhaust Valve	96	391289	Piston Assy. - .030" O.S.
49	230655	+Guide - Exhaust Valve	97	270808	*Gasket - Crankcase Cover 1/64" thick
50	212914	Head - Cylinder	97	270915	*Gasket Crankcase Cover .005" thick
51	271075	*Gasket - Cylinder Head	97	270916	*Gasket Crankcase Cover .009" thick
52	222744	Shield - Cylinder	98	391784	Sump - Oil (Inc. Key No's. 97 & 99)
60	396324	Cylinder Assy. (Inc. Key No. 61)	99	291675	Seal - Oil
61	391086	Seal - Oil	100	91084	Plug - Oil Drain
62	231055	Bushing - Gov. Crank	101	93585	Screw - Sump Mtg. Sem
63	27803	*Gasket - Valve Cover	102	393411	Gasket Set
64	280100	Tube - Breather	103	68838	Seal - Filler Tube
			104	280134	Tube - Oil Filler
			105	392067	Fill Group - Oil (Inc. Key No's. 103, 104, 106, 107, 108 & 109)
			106	222502	Clamp - Oil Filler Tube
			107	93804	Screw - Clamp Mtg.
			108	270920	Seal - Oil Filler Cap
			109	391841	Cap & Dipstick - Oil Filler
			110	391764	Oil Slinger, Gov. Gear & Bracket Assy.

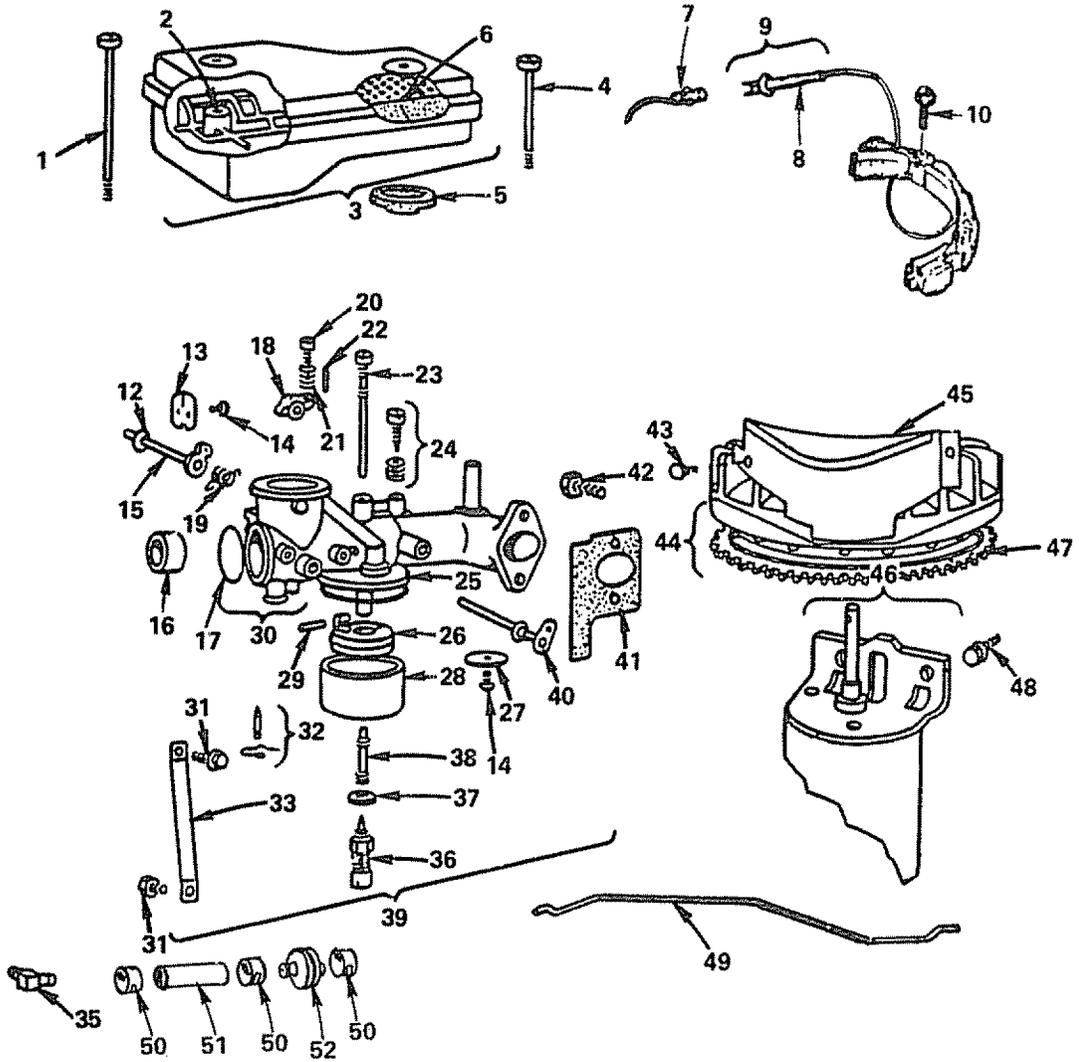
+Special Tools Required to Install

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93323	Screw - Air Cleaner	29	230896	+Pin - Float Hinge
2	280118	Support - Air Cleaner Element	30	391787	Body Assembly Carburetor (Inc. Key No. 17)
3	391786	Cleaner Assembly - Air (Inc. Key No's. 2 & 6)	31	93572	Screw
4	93622	Screw - Air Cleaner	32	299096	+Valve - Fuel Inlet
5	270853	Gasket - Air Cleaner	33	222311	Bracket - Carburetor
6	270843	Element - Air Cleaner	35	67218	Connector - Fuel Pipe
7	393422	Alternator Harness Assy.	36	391233	+Valve - Needle
8	393814	Diode & Connector	37	222014	+Washer - Float Bowl
9	391529	Stator - Alternator (Inc. Key No. 8)	38	230932	+Screw - Nozzle
10	93621	Screw - Sem	39	393410	Carburetor Assy. (Inc. Key No's. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 36, 37 & 38)
12	270382	Washer - Choke Shaft	40	391512	Shaft & Lever - Throttle
13	222010	Valve - Choke	41	270872	*Gasket - Carburetor Mounting
14	93499	Screw - Throttle & Choke Valve Mtg. Sem	42	93357	Screw - Carburetor Mounting
15	390684	Shaft & Lever - Choke	43	93984	Screw - Sem
16	211960	Venturi - Carburetor	44	391988	Flywheel & Ring Gear Assy. - Magneto (Inc. Key No. 47)
17	221997	+Plug - Welch	45	395405	Cover & Shield - Starter
18	211712	Stop - Throttle	46	394805	Motor - Starting
19	261116	Spring - Choke Return	47	392134	Gear - Ring (Inc. Mounting parts)
20	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8	48	93523	Screw - Sem
21	26157	Spring - Throttle Adjustment	49	261610	Link - Choke
22	93043	Pin - Throttle Stop	50	93053	Clamp, Hose
23	299740	+Nozzle - Carburetor	51	394045	Pipe, Fuel
24	292681	+Valve Assembly - Carburetor Idle	52	298090	Filter, Fuel
25	270511	+Gasket - Float Bowl	---	299852	Carburetor Overhaul Kit
26	299707	Float - Carburetor			
27	222858	Valve - Throttle			
28	221995	Bowl - Float			

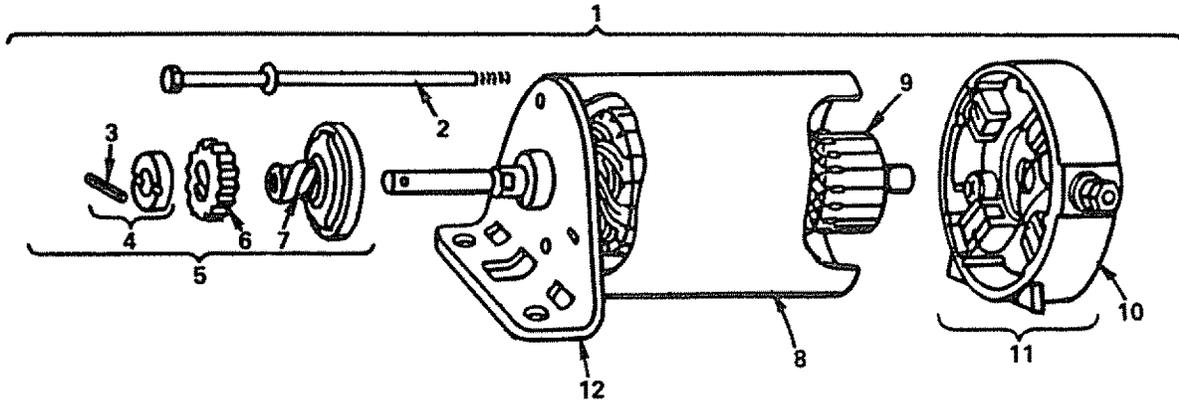
+Included in Carburetor Overhaul Kit - Part No. 299852

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
 ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

STARTER-MOTOR



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	394805	Motor - Starting (Inc. Key No's. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12)	7	391135	Clutch Assembly
2	94003	Thru Bolt Assembly	8	393825	Housing Assembly
3	93754	Roll Pin	9	392747	Armature Assembly
4	391462	Retainer & Pin (Inc. Key No. 3)	10	395538	Brush Assembly
5	391461	Drive Assembly (Inc. Key No's 3, 4, 6 & 7)	11	395537	End Cap Assy. Commutator (Inc. Key No. 10)
6	280104	Gear	12	394856	End Cap Assy. Drive

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

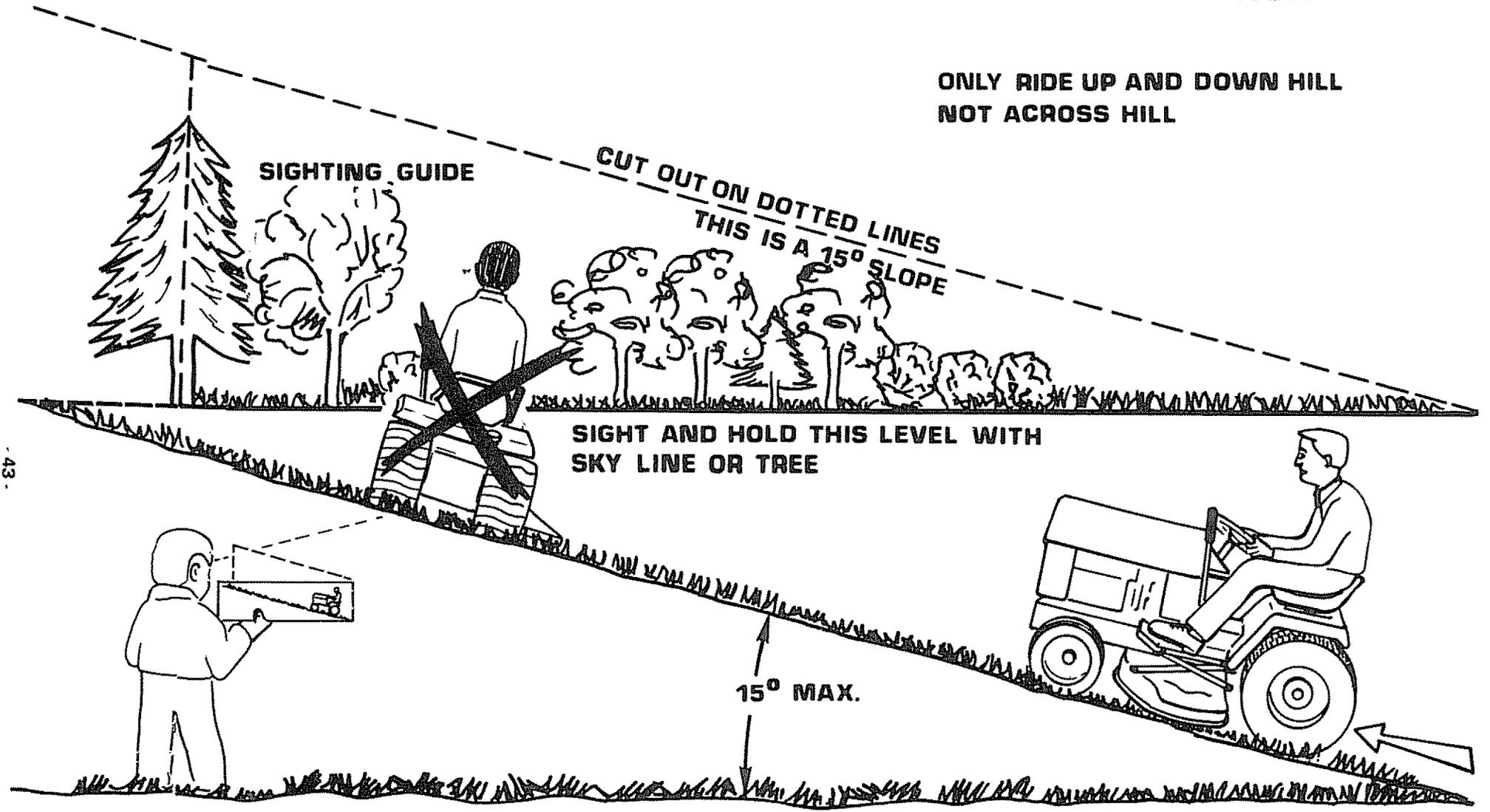
ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL

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.

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Printed in U.S.A.

SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

**HOW TO ORDER
REPAIR PARTS**

11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

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

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".

SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

Caution:
Read Rules for
Safe Operation
and Instructions
Carefully



11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

Assembly
Installation
Operation
Repair Parts

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. They have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble, operate and maintain your Tractor properly. Always observe the "RULES FOR SAFE OPERATION".

MODEL NUMBER _____
 SERIAL NUMBER _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE DRAWBAR.

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

LIMITED ONE YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

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

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

This warranty does not cover:

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

FULL 90-DAY WARRANTY ON BATTERY

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

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

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

Sears, Roebuck and Co., D/698-731A, Sears Tower, Chicago, IL 60684

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RULES FOR SAFE OPERATION

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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. See your Sears Authorized Service Center for spark arrester muffler part number 677V1.

1. Know the controls and how to stop quickly. **READ THE OWNER'S MANUAL.**
2. Do not allow children to operate the vehicle. Do not allow adults to operate it without proper instruction or without having read the owner's manual.
3. Do not carry passengers. Keep children and pets a safe distance away.
4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in driver's seat.
7. Always get on or off your tractor from the operator's left hand side.
8. Clear the work area of objects which might be picked up and thrown.
9. Disengage all attachment clutches and shift into neutral before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or repairs.
12. Disengage power to attachments when transporting or not in use.
13. Take all possible precautions when leaving the vehicle unattended. 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 43.
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. Do not shift gears while going up or down slopes. Choose a gear low enough to negotiate the slope without stopping and shifting gears. To reduce speed, move throttle lever to slow.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign object.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in the deflector (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 this owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
 - a. Use approved gasoline containers.
 - b. Never remove the cap of the fuel tank or add gasoline to a running or hot engine, or fill the fuel tank indoors. Wipe up spilled gasoline.
 - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for adjustment; **DO NOT** operate Engine if air cleaner or cover directly over carburetor air intake is removed. Removal of such part could create a fire hazard.
32. Do not operate without a muffler or tamper with the exhaust system. Damaged mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary.
33. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object, and the damage should be repaired before restarting and operating the equipment.
34. Do not change the engine governor settings or overspeed the engine; severe damage or injury may result.
35. When using the vehicle with mower, proceed as follows:
 - a. Mow only in daylight or in good artificial light.
 - b. Never make a cutting height adjustment while the engine is running if the operator must dismount to do so.
 - c. Shut the engine off when removing the grass catcher or unclogging chute.
 - d. Check the blade mounting bolts for proper tightness at frequent intervals.
36. 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.



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

To assemble your Tractor you will need:

two 7/16" wrenches, two 9/16" wrenches, and a 3/4" wrench

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

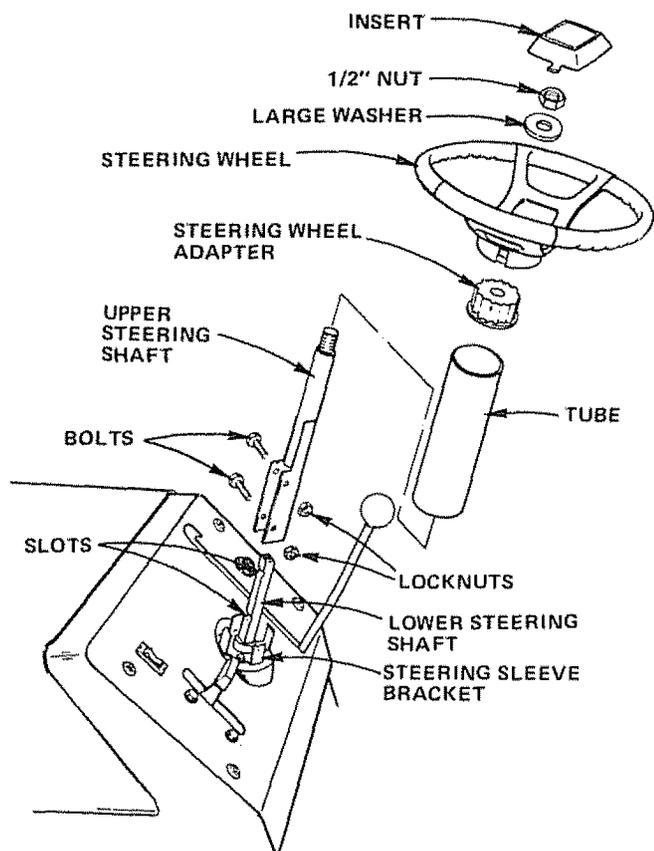


FIGURE 1

CUT AWAY VIEW

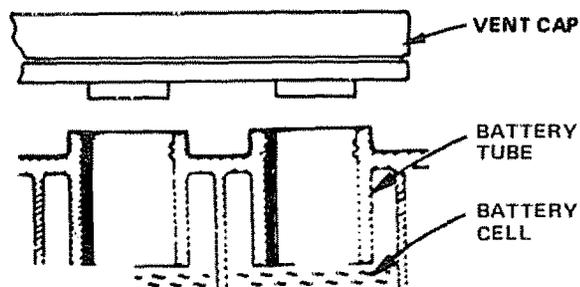


FIGURE 2

ASSEMBLY

1. Remove Shipping Strap Banding, Battery, Steering Wheel and Bag of Parts (under Hood).
2. Slide Upper Steering Shaft over Lower Steering Shaft so bolt holes line up with slots in Lower Steering Shaft (Fig. 1).
3. Use two Bolts and two Locknuts to retain Upper Steering Shaft to Lower Steering Shaft. Tighten securely.
4. Slide Tube over Steering Shaft Assembly and over Steering Sleeve Bracket.
5. Place Steering Wheel Adapter on Upper Steering Shaft.
6. With front wheels pointed straight ahead, place Steering Wheel on Steering Wheel Adapter. Bars of Steering Wheel should point straight across tractor.
7. Place Large Washer on Upper Steering Shaft and install a 1/2" Nut. Tighten securely.
8. Snap Insert into Steering Wheel.
9. Remove plastic on Tractor Hood.

BATTERY INSTALLATION

1. Before installation in Tractor, follow the Battery preparation steps below.



WEAR EYE AND FACE SHIELD.

- a. Battery Electrolyte: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
- b. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 2). NOTE: DO NOT OVERFILL. (OVERFILLING CAN RESULT IN DAMAGE TO TRACTOR).



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

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



DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

- e. Neutralize excess electrolyte for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.



DO NOT SHORT BATTERY TERMINALS.

BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRIST-WATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

2. Position Battery in tractor as follows:
 - a. Lift Seat Pan so it rests on Steering Wheel (Fig. 3).
 - b. Lower Battery into Fender Well with Battery Terminals toward front of tractor. Make sure Battery rests in Battery Tray (Fig. 4).

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

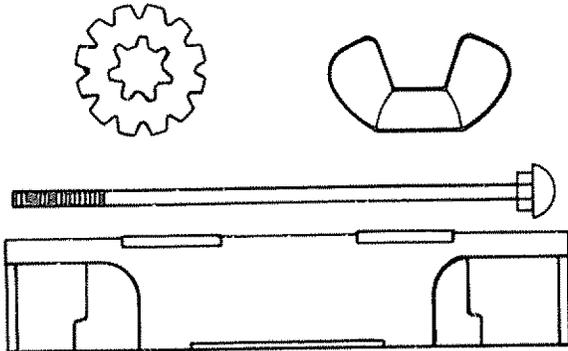
3. Connect Battery Cables using: two Hex Bolts, two Flat Washers, two Lockwashers and two Hex Nuts (shown full size below) found in Bag of Parts.



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

- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 4). Tighten securely.

4. Install Battery using: two Int./Ext. Lockwashers, two Wing Nuts (shown full size below) and



two Battery Bolts and one Terminal Guard found in Bag of Parts.

- a. Using the slot on one side of the Battery Support (Fig 5) slide Battery Bolt into Frame Slot (head of Bolt down). Fasten the Battery Bolt to the Terminal Guard using Int./Ext. Lockwasher and Wing Nut as shown in Fig. 5.
- b. Assemble the remaining Battery Bolt to other side of Battery Support and fasten Terminal Guard to it with remaining Int./Ext. Lockwasher and Wing Nut. Tighten Wing Nuts securely by hand (Fig. 5).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 5) FOR:

1. Inspection for secure connections (tighten hardware).
2. Inspection for corrosion.
3. Testing battery.
4. Jumping (if required).
5. Charging (if required).



WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.

NOTE: DO NOT START ENGINE UNTIL INITIAL SERVICE HAS BEEN PERFORMED.

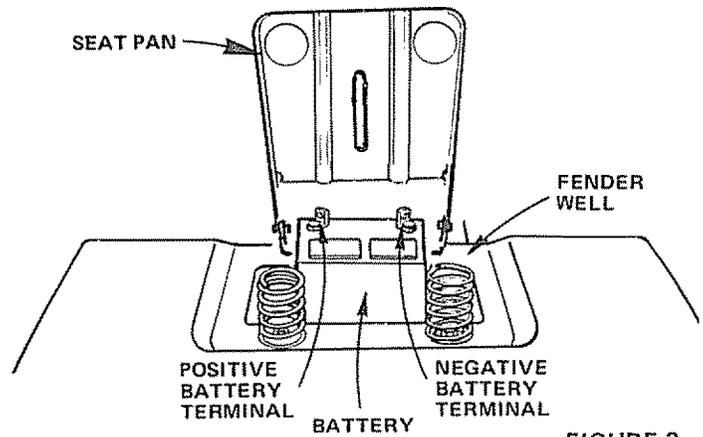


FIGURE 3

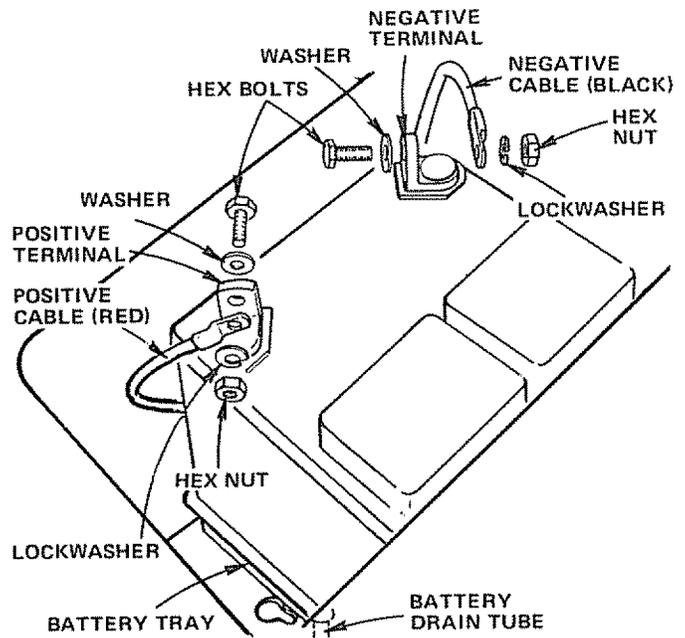


FIGURE 4

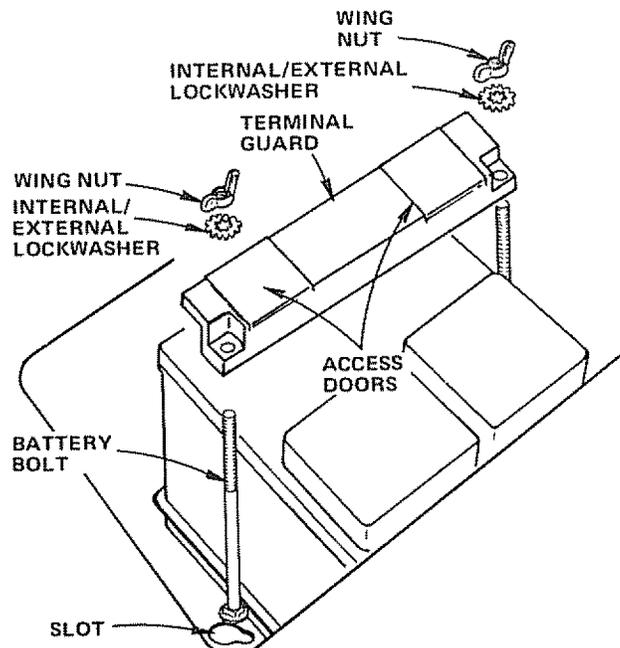


FIGURE 5

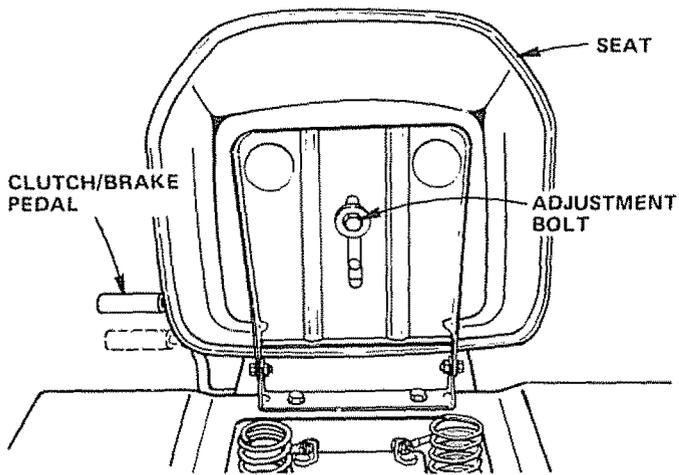


FIGURE 6

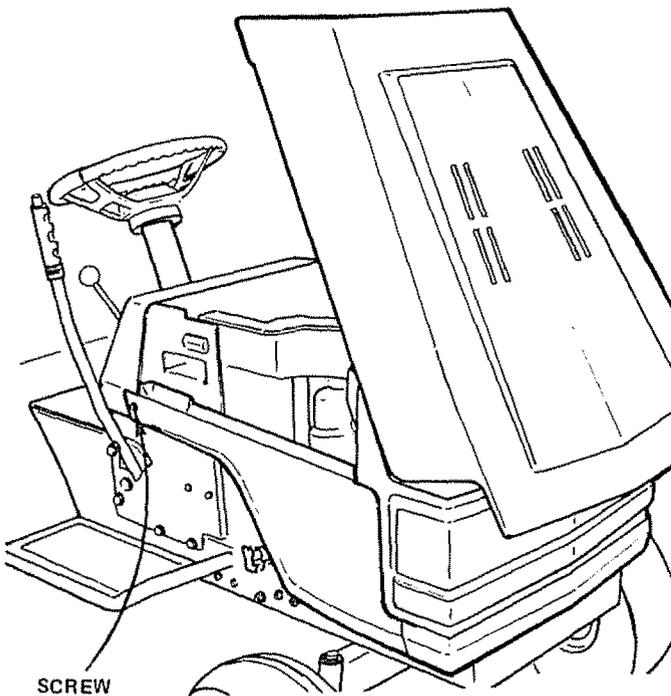


FIGURE 7

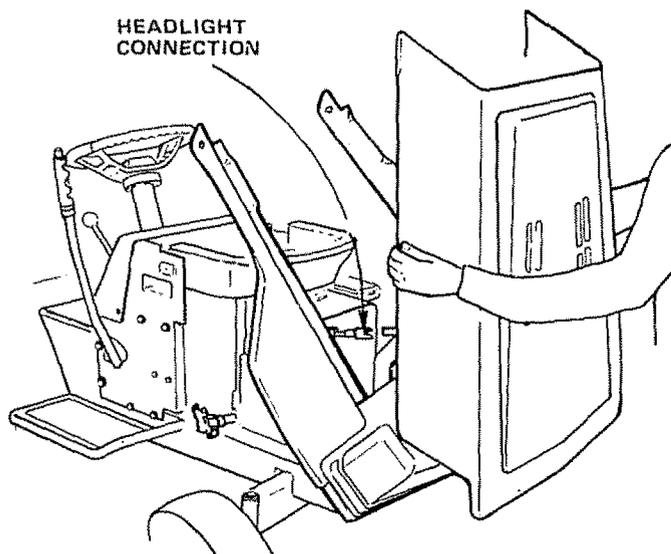


FIGURE 8

INITIAL ADJUSTMENTS

1. SEAT INSTALLATION

- Place Seat on Seat Pan. Screw Adjustment Bolt, Lockwasher and Flat Washer into Seat. Adjustment Bolt, Lockwasher and Flat Washer found in Bag of Parts. Tighten finger tight.
- 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.
- Raise Seat. Use 3/4" wrench to loosen Adjustment Bolt (Fig. 6). When adjusted for comfortable operation, tighten Adjustment Bolt securely.

2. TIRE PRESSURE

- Reduce Tire pressure to 14 PSI in front tires; 12 PSI in rear tires. (Tires were overinflated for shipping).

3. HOOD

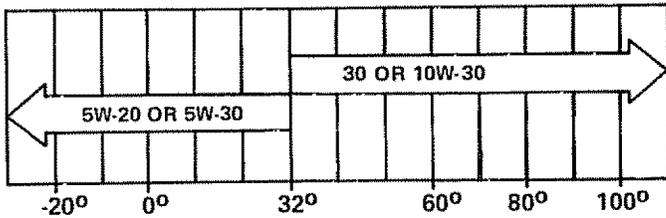
- To raise Hood, lift at rear of Hood.
- To remove Hood, Grill and Side Panels, raise Hood and loosen one screw on each Side Panel. (The screw remains in the Side Panel) (Fig. 7).
- Unsnap Headlight Connection (Fig. 8).
- Stand in front of Tractor. Grasp Hood and tilt forward and lift off (Fig. 8).
- To reinstall, reverse above procedure.

INITIAL SERVICE

NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHECKING OR ADDING OIL OR FUEL.

1. Pull up at rear of Hood to open.
2. Check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick (Fig. 9) clean, screw it in tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached

RECOMMENDED SAE VISCOSITY GRADES



TEMPERATURE RANGE EXPECTED BEFORE NEXT OIL CHANGE. ALL OILS MUST MEET A.P.I. SERVICE CLASSIFICATION SD, SE, OR SF.

Capacity is 3 pints, NOTE: DO NOT OVERFILL. Dipstick assembly must be securely tightened into tube at all times when engine is operating.

3. Fill Fuel Tank (Fig. 9). Use fresh, clean, unleaded automotive gasoline. (Leaded "Regular" grade gasoline is not an acceptable substitute. Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life). Capacity is 5 quarts.

WARNING: DO NOT USE GASOHOL OR METHANOL. These type fuels react with water content in the fuel and tend to form strong acids which can corrode metal parts and harm rubber and plastics



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.

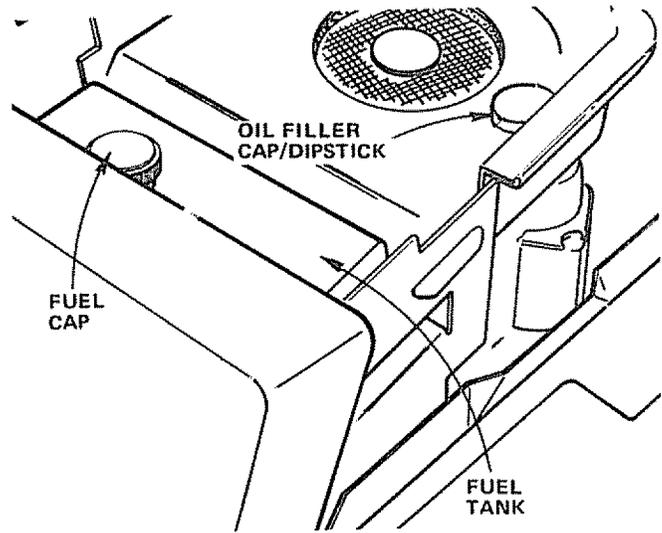
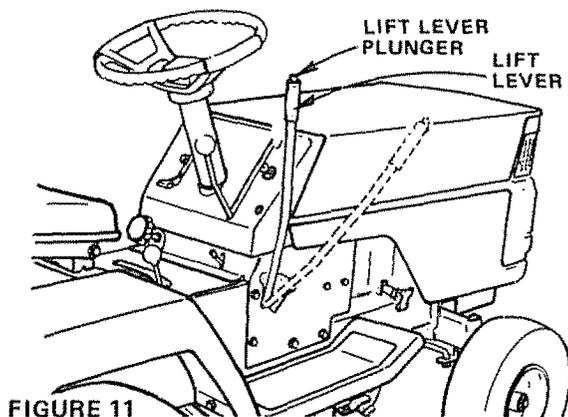
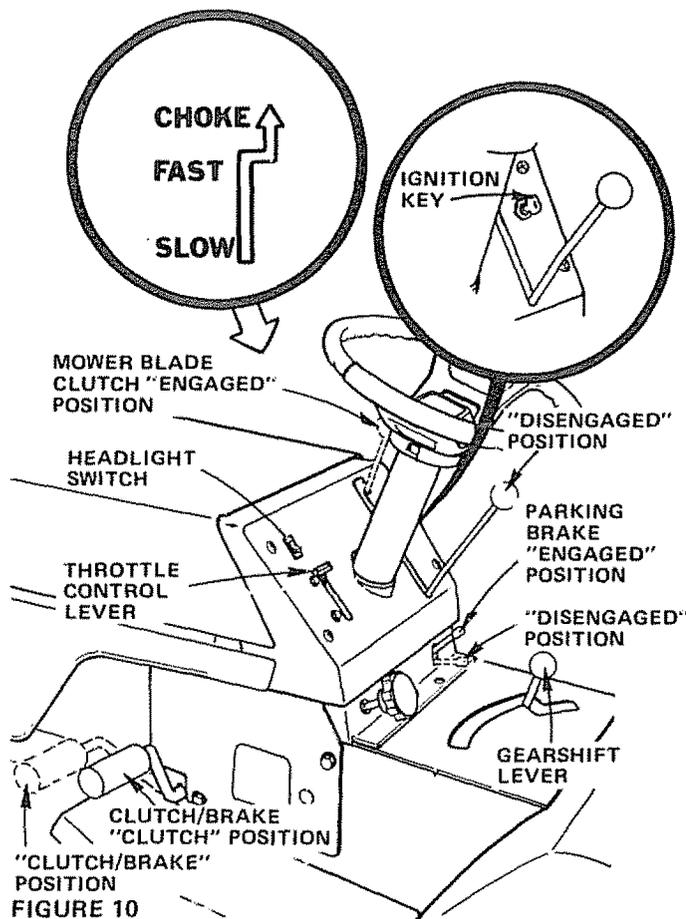


FIGURE 9



OPERATION

NOTE: MOWER OPERATION IS LISTED ON PAGE 11.



THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE MOWER BLADE CLUTCH LEVER IS IN THE "ENGAGED" POSITION AND/OR THE GEAR SHIFT LEVER IS NOT IN "NEUTRAL" POSITION (FIG. 10). IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

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



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift lever to neutral (Fig. 10).
 - b. Depress Clutch/Brake Pedal and set Parking Brake (Fig. 10).
 - c. Disengage attachment clutch (Mower Blade Clutch Lever) (Fig. 10).
 - d. Shut off engine.
 - e. Remove ignition key.
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

STARTING THE ENGINE

1. Disengage Mower Blade Clutch Lever (Fig. 10).
2. Depress Clutch-Brake Pedal fully. Raise Parking Brake Lever and hold in "ENGAGED" position. Release Clutch-Brake Pedal.



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

3. Place Gear Shift Lever in "NEUTRAL" position (Fig. 10).
4. Move Throttle Control Lever (Fig. 10) to "FAST" detent, then to the right and upward for "CHOKE" position. At the "FAST" position the Lever has a stop. The stop is provided so that you will know when you are at full throttle "FAST" position and prevent over travel into choke position.
5. Turn Ignition Key clockwise (↻) to "START" position and release Key as soon as engine starts (Fig. 10). Immediately move Throttle Control Lever mid-way between "FAST" and "SLOW" positions.
NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If Engine does not start after several attempts, move Throttle Control Lever mid-way between "FAST" and "SLOW" positions, wait a few minutes and try again.



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

WARMING UP THE ENGINE

Move Throttle Control Lever mid-way between "FAST" and "SLOW" positions (Fig. 10). As engine warms up, move Throttle Control Lever to "FAST" position, NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE OPERATING.

When restarting a warm engine, move Throttle Control Lever to "FAST" position, "CHOKE" may not have to be used,

MOWER INSTALLATION

Your 38" Mower installs without the use of tools. Raise Lift Lever (Fig. 11) to its highest position. Turn Depth Adjustment Knob to lowest position (Fig. 14).

1. Install Front Hinge Pin through Axle and Parallel Link (Fig. 12). Secure with Retainer Spring.
 2. Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 12). Secure with Retainer Spring.
 3. Install Clutch Rod in Clutch Lever (Fig. 13 - Inset).
 4. Move Lift Lever (Fig. 11) forward to lower Suspension Arms. Slide Trunnions through Lift Bracket holes and secure with Retainer Springs (Fig. 13).
 5. Roll Belt over Mower Drive Pulley. Make sure Belt is inside Belt Guides (Fig. 14). See Belt Drive Schematic Decal on Mower Housing.
 6. Use Lift Lever (Fig. 11) to raise mower.
- NOTE: SEE MOWER ADJUSTMENT, BELOW.
7. Turn Depth Adjustment Knob clockwise (↻) to the middle of it's travel.

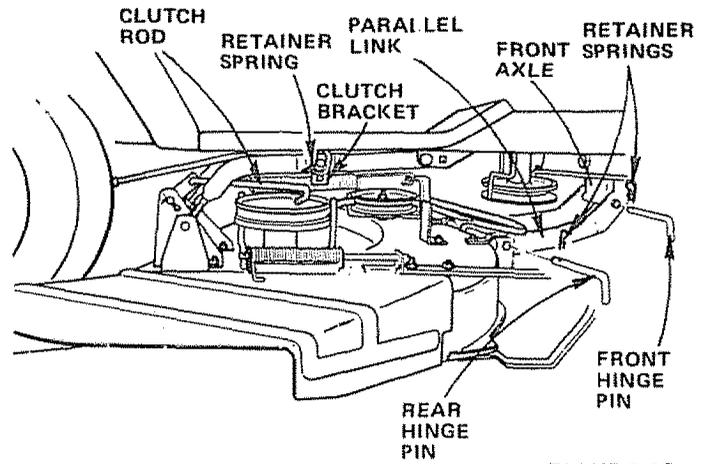


FIGURE 12

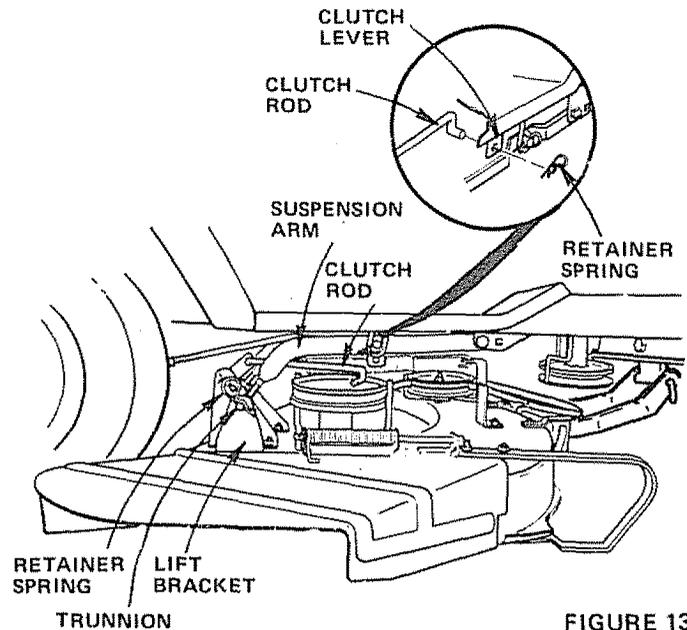


FIGURE 13

MOWER ADJUSTMENT

FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. MOVE GEAR SHIFT LEVER TO "N" NEUTRAL POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "ENGAGED" POSITION. SHUT OFF THE ENGINE. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED, REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.



NOTE: BEFORE CHECKING THE SIDE TO SIDE AND FRONT TO REAR ADJUSTMENTS, PAGE 10, BE SURE PRESSURE IN FRONT TIRES IS 14 PSI AND PRESSURE IN REAR TIRES IS 12 PSI. IF TIRES ARE OVER OR UNDER INFLATED YOU WILL NOT PROPERLY ADJUST YOUR MOWER.

DEPTH ADJUSTMENT

Adjustment for mower height is made with the Depth Adjustment Knob. Raise Mower cutting height by turning Depth Adjustment Knob clockwise (↻). Lower Mower cutting height by turning Depth Adjustment Knob counterclockwise (↺).

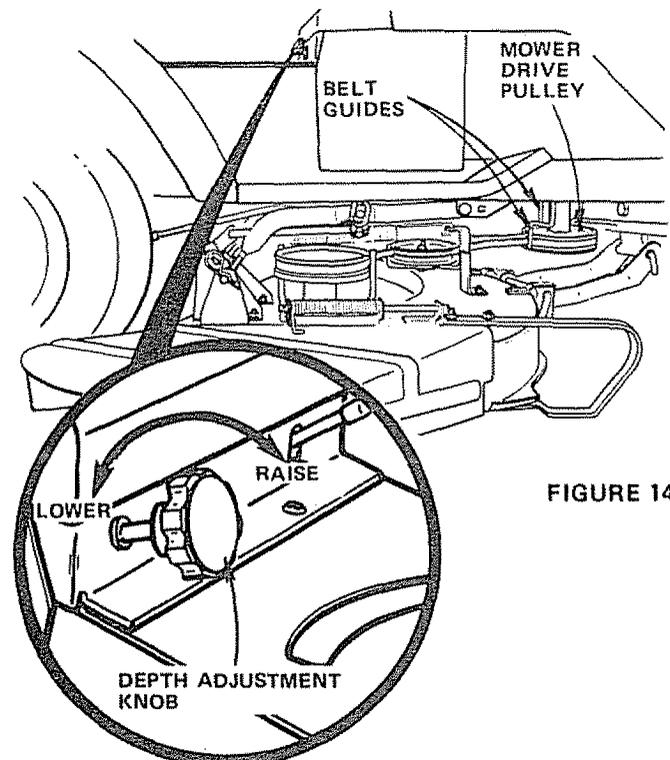


FIGURE 14

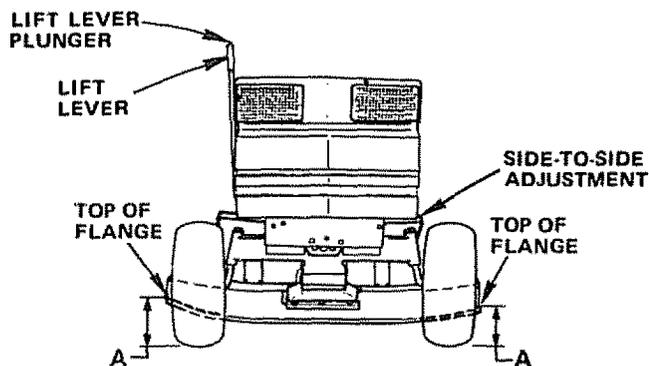


FIGURE 15

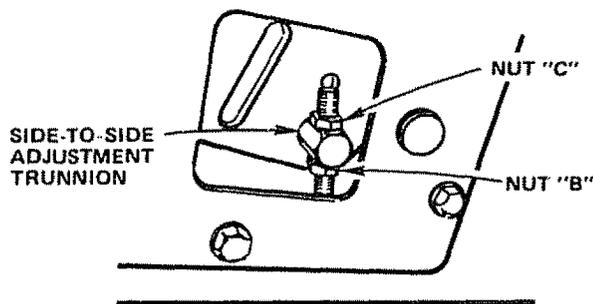


FIGURE 16

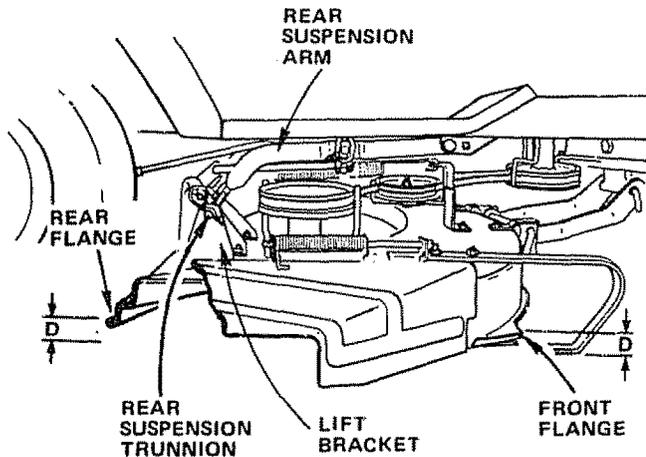


FIGURE 17

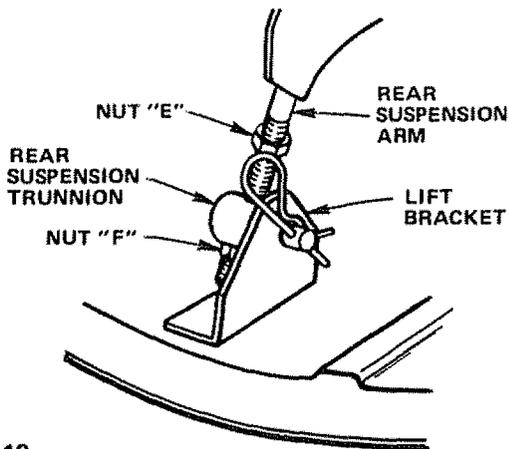


FIGURE 18

LEVEL MOWER FROM SIDE TO SIDE

SEE MOWER ADJUSTMENT, PAGE 9.

1. Park tractor on level surface. Depress Lift Lever Plunger and use Lift Lever to raise mower to maximum cutting height.
2. Measure height of Top of Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15).
3. 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. 16).
4. To raise left side of mower, loosen Nut "B" and tighten Nut "C".
5. To lower left side of mower, loosen Nut "C" and tighten Nut "B".
NOTE: ONE ROTATION OF ADJUSTMENT NUTS IS EQUIVALENT TO APPROXIMATELY 3/16" HEIGHT CHANGE.
6. Be sure all nuts are securely tightened.
NOTE: SEE MOWER ADJUSTMENT, FRONT-TO-REAR, BELOW.

ADJUST MOWER FROM FRONT TO REAR

1. To obtain the best cutting results, your Mower Housing should be adjusted so the Front and Rear Flange distance "D" (Fig. 17) is 5/16" lower in front when the mower is positioned in the highest cutting position. NOTE: MEASURE DISTANCE "D" FROM SURFACE TO RIGHT REAR FLANGE AND COMPARE TO DISTANCE "D" AT RIGHT FRONT FLANGE.
2. To raise rear of mower, loosen Nut "E" on both Rear Suspension Arms. Screw both Nuts "F" up EQUAL NUMBER OF TURNS (Fig. 18).
3. When distance "D" is 5/16" lower at front than rear, tighten Nut "E".
4. To lower rear of mower, loosen Nut "F" on both Rear Suspension Arms an EQUAL NUMBER OF TURNS (Fig. 18).
5. When distance "D" is 5/16" lower at front than rear, re-tighten Nuts "E".

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

OPERATION - MOWER



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

THE MOWER MUST BE ADJUSTED PROPERLY FROM FRONT TO REAR AND LEVELED FROM SIDE TO SIDE BEFORE OPERATING. THIS IS NECESSARY FOR LEVEL AND EFFICIENT MOWING. REFER TO PAGE 10.

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 19).
2. Push tractor Clutch-Brake Pedal fully into brake position.
3. Place Gear Shift Lever in "NEUTRAL" position.

NOTE: TRACTOR MUST BE IN NEUTRAL AND MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION BEFORE TRACTOR WILL START.

4. Start tractor and set engine speed to about 1/3 to 1/2 throttle before engaging mower. After mower is "ENGAGED" and you have started forward travel, set to FULL THROTTLE.

NOTE: "ENGAGE" OR "DISENGAGE" MOWER BLADE CLUTCH LEVER SLOWLY.



NEVER "ENGAGE" MOWER EXCEPT WHEN SITTING ON TRACTOR SEAT.

NOTE: ALWAYS MOW WITH THROTTLE CONTROL IN "FAST" POSITION. THIS RESULTS IN BETTER GRASS CUT, BETTER ENGINE COOLING, AND BETTER FUEL ECONOMY.

5. Use Lift Lever to lower mower into cutting position. Start mowing in the first gear and increase ground speed as conditions will permit. Average cutting height is approximately 2 - 1/2 to 2 - 3/4 inches. Height of cut can be adjusted by means of the Depth Adjustment Knob (Fig. 19). Moving the Knob clockwise (↻) raises the mower (Fig. 14 - Inset). Moving the Knob counterclockwise (↺) lowers the mower.
6. 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. When mowing large areas (Fig. 20) start by turning to the right so that the clippings will be discharged away from shrubs, fences, driveways, etc. After two or three rounds, mow in the opposite direction making left hand turns until finished. If grass is extremely tall, it should be mowed twice. The first time cut relatively high. The second time to the desired height. The left hand side of mower should be used for trimming.

FLIP-UP DISCHARGE GUARD

Your mower has a flip-up Discharge Guard (Fig. 19) for door or gate clearance when held in raised position.



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

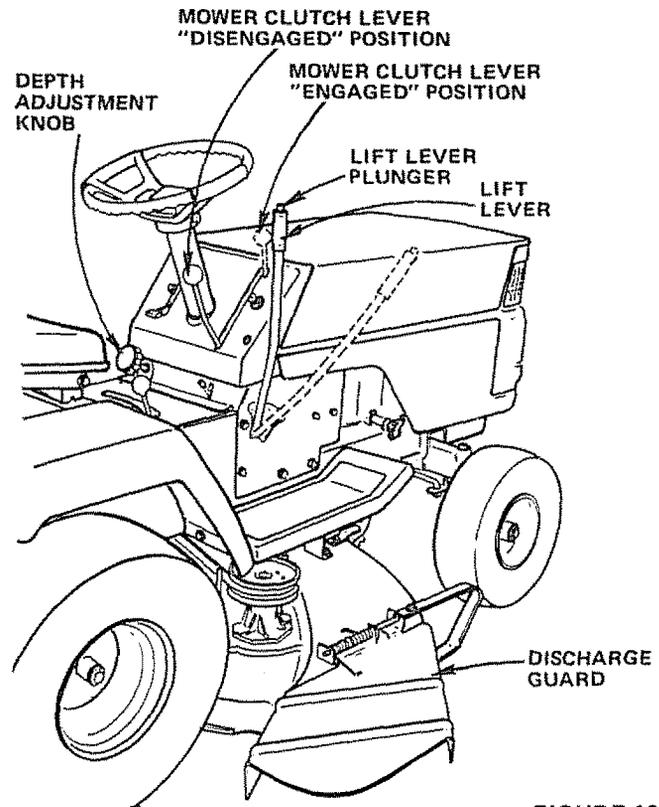


FIGURE 19

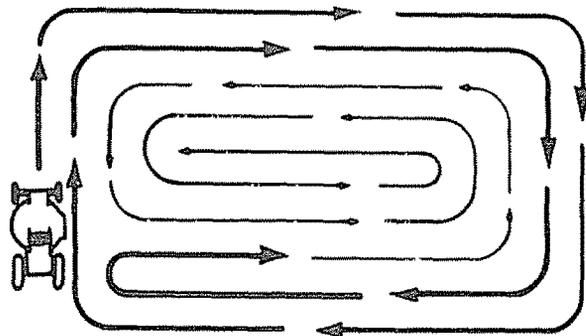


FIGURE 20

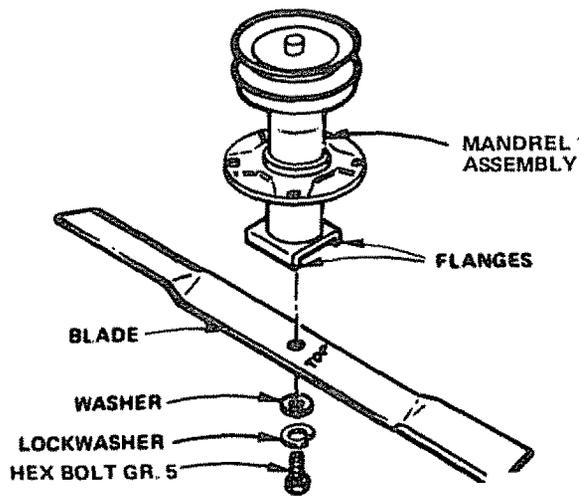


FIGURE 21

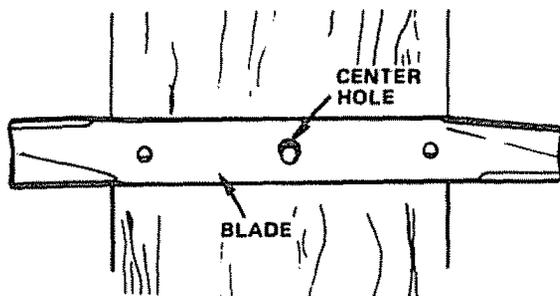


FIGURE 22

MAINTENANCE - MOWER



FOR ANY ADJUSTMENTS, INSPECTION OR MAINTENANCE:

PUSH TRACTOR CLUTCH-BRAKE PEDAL COMPLETELY INTO BRAKE POSITION. PLACE PARKING BRAKE IN "ENGAGED" POSITION. MOVE GEAR SHIFT LEVER TO "NEUTRAL" POSITION. PLACE MOWER BLADE CLUTCH LEVER IN "DISENGAGED" POSITION. TURN IGNITION KEY TO "OFF" POSITION. MAKE ABSOLUTELY SURE THE BLADES AND ALL MOVING PARTS HAVE COMPLETELY STOPPED. REMOVE THE IGNITION KEY, DISCONNECT THE SPARK PLUG WIRE FROM THE SPARK PLUG AND KEEP WIRE AWAY FROM THE PLUG TO PREVENT INJURY FROM ACCIDENTAL STARTING.

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 15 hours of mowing. Do not attempt to sharpen while on mower.

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

To check Blade balance, drive a nail into a beam or wall. Leave about one inch of the straight nail exposed. Place Center Hole of clean Blade over the head of the nail (Fig. 22). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 22. IF EITHER END OF THE BLADE MOVES DOWNWARD, BLADE IS NOT BALANCED AND MUST BE REPLACED.

2. To ensure satisfactory operation, it is recommended that before the start of each mowing season, the old blades be discarded and replaced with new blades. Mower blades can be purchased at any Sears Service Center/Departments and most Sears Retail Stores.

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainers are secure. Keep blades sharp. Observe all safety precautions. Keep mower well lubricated (refer to page 22).

CLEANING MOWER



DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE CLEANING.

Water pressure from a garden hose will remove fresh clippings from underside of mower. Clean mower after each mowing.

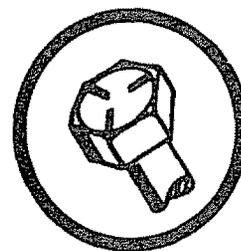
BLADE REPLACEMENT

Raise Mower to highest position to permit access to Blades.

1. Remove Bolt, Lockwasher and Washer (Fig. 21) (turn counterclockwise (↺)).
2. Place new Blade between Flanges, (the word "TOP" is stamped on all Blades to assure proper installation), and secure with Washer, Lockwasher and Bolt previously removed, TIGHTEN SECURELY.



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



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

TRACTOR OPERATION

1. Depress Lift Lever Plunger at top of Mower Lift Lever and move Lever rearward to its "HIGHEST" position (Fig. 23).
2. With engine running and warm, place Throttle Control Lever midway between "FAST" and "SLOW" position.
3. Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24).
4. Move Gear Shift Lever to "1ST" Gear (Fig. 24).
5. Release Clutch-Brake Pedal SLOWLY to start forward movement.
6. If ground travel is too slow, move Throttle Control Lever to "FAST" position or press Clutch-Brake Pedal to stop and shift to a different gear. NOTE: ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.

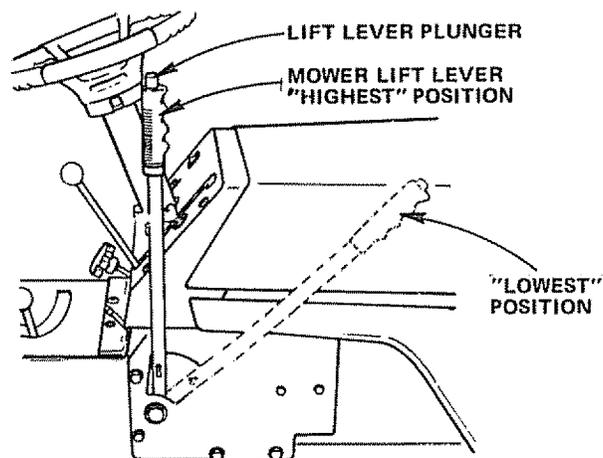


FIGURE 23

MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.



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

NOTE: ALWAYS OPERATE ENGINE AT FULL THROTTLE WHEN MOWING TO ASSURE BETTER MOWING PERFORMANCE, LONG ENGINE LIFE AND PROPER DISCHARGE OF CUT MATERIAL. REGULATE GROUND SPEED BY SELECTING A LOW ENOUGH GEAR (FIG. 24) TO GIVE THE MOWER CUTTING PERFORMANCE PLUS QUALITY OF CUT DESIRED.



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

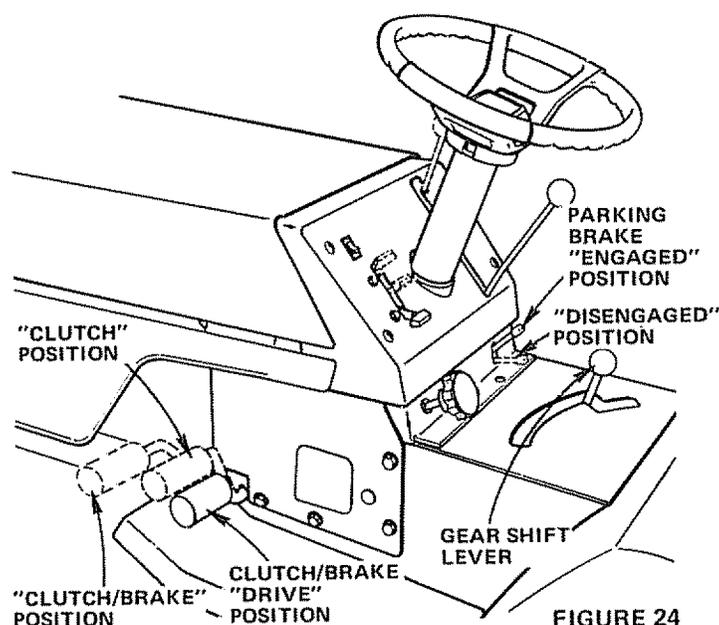


FIGURE 24

TRACTOR OPERATION ON HILLS



DO NOT DRIVE UP OR DOWN HILLS WITH SLOPES GREATER THAN 15° AND DO NOT DRIVE ACROSS ANY SLOPE. REFER TO PAGE 43.

1. Move Gear Shift Lever to "1ST" Gear before starting up or down hills.
2. **AVOID STOPPING OR SHIFTING ON HILLS.**
 - a. 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.

- b. If stopping is absolutely necessary, push Clutch-Brake Pedal quickly to brake position and engage Parking Brake.
 - c. To restart tractor movement, make sure tractor is in the lowest speed range ("1ST" Gear) and that you have allowed room to roll slightly downhill. Depress Clutch-Brake Pedal fully. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement.
3. Make all turns gradually.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal completely into "BRAKE" position.
2. Move Gear Shift Lever to "NEUTRAL" position.
3. Place Parking Brake in "ENGAGED" position. Raise Parking Brake Lever and hold in "ENGAGED" position (Fig. 24). Release Clutch-Brake Pedal.
4. Move Throttle Control Lever to "SLOW" position.
5. Disengage Mower Blade Clutch Lever.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS.

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Lever in "NEUTRAL" position (Fig. 24). Push Clutch-Brake Pedal down firmly to "DISENGAGE" Parking Brake (Fig. 24). NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.

STARTING YOUR TRACTOR WITH A LOW BATTERY

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



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

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



DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

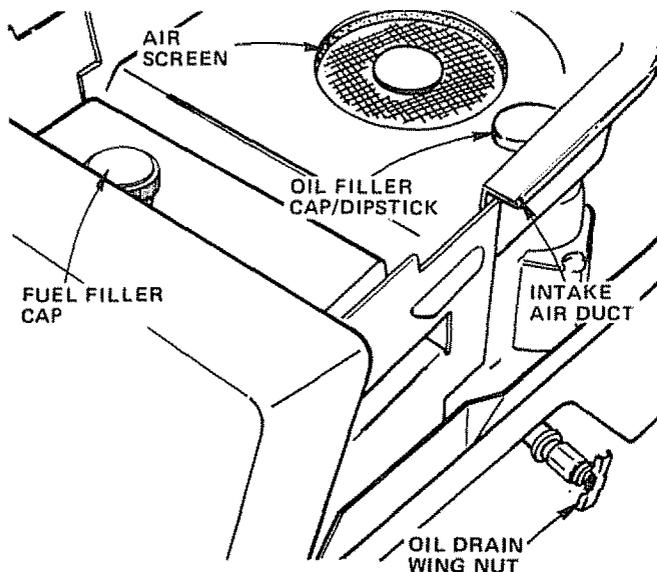


FIGURE 25

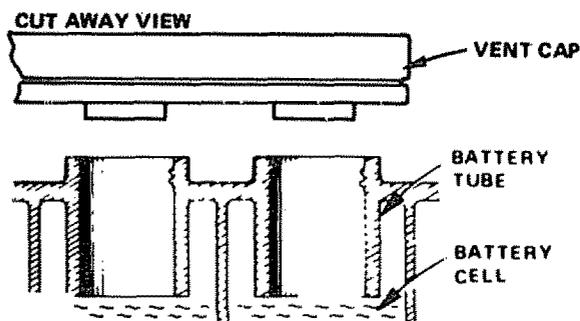


FIGURE 26

MAINTENANCE - TRACTOR

MOWER MAINTENANCE IS LISTED ON PAGE 12.

To keep your tractor running better, longer; perform necessary service using the following Maintenance Schedule.



REFER TO "STOPPING YOUR TRACTOR" PAGE 13 AND DISCONNECT SPARK PLUG WIRE TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR).

DAILY MAINTENANCE

Make sure all nuts on bolts are tight and cotter pins and retainer springs are secure. Observe all safety precautions. Keep tractor well lubricated (refer to page 22).

FIRST 2 HOURS

1. CHANGE ENGINE OIL

Changing Oil after the first two hours will help eliminate break-in residue which might be damaging to your Engine. NOTE: BE CAREFUL NOT TO ALLOW DIRT TO ENTER THE ENGINE WHEN CHANGING OIL.

- a. Drain Oil with Engine warm, Loosen Oil Drain Wing Nut (Fig. 25) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Wing Nut.
- b. Refill Engine Oil. See oil chart, page 7, Refill capacity is 1 quart. NOTE: DO NOT OVERFILL. Replace Dipstick.

FREQUENTLY

1. CHECK BATTERY

- a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 26). Add distilled water if necessary. NOTE: DO NOT OVERFILL.
- b. Keep Battery and Terminals clean.
- c. Keep Battery Bolts tight.
- d. Keep Vent Caps tight and small Vent holes in Caps open.
- e. Recharge SLOWLY at 3 amperes if necessary.

2. CHECK TIRE PRESSURE

Tire pressure in front Tires should be 14 PSI; rear Tires 12 PSI.

3. CLEAN AIR SCREEN

Air Screen and Intake Air Duct (Fig. 25) must be kept free of dirt and chaff to prevent Engine damage from overheating.

4. CHECK BRAKE OPERATION

This tractor is equipped with an adjustable disc brake mounted on the right side of the transaxle (Fig. 27).



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

NOTE: WHEN ADJUSTING BRAKES DO NOT MOVE 12-POINT BOLT.

NOTE: A 5/64 INCH ALLEN SET SCREW WRENCH IS REQUIRED TO ADJUST THE BRAKE.

- To adjust, tighten Set Screw (Fig. 27) clockwise (↻) until Disc Brake can not be moved by hand. Now loosen Set Screw by turning counterclockwise (↺) 1/2 turn. NOTE: PARKING BRAKE MUST BE DISENGAGED WHILE MAKING ADJUSTMENT.
- Depress Clutch-Brake Pedal and engage Parking Brake.
- Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- If distance is other than 1 - 1/2", turn Nut "A" until distance becomes 1 - 1/2".

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

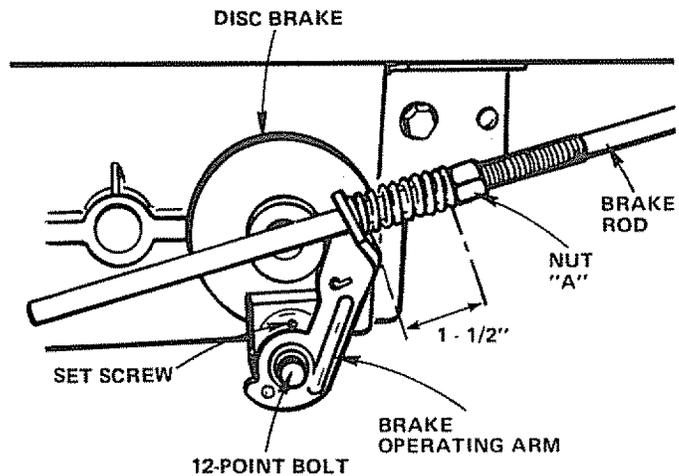


FIGURE 27

EVERY 5 HOURS

CHECK ENGINE OIL LEVEL



DO NOT CHECK ENGINE OIL LEVEL WITH ENGINE RUNNING.

Several minutes after stopping Engine, check Engine Oil Level with Tractor on level ground. Remove and wipe Dipstick clean (Fig. 29), screw it in tight for a few seconds, remove slowly and read Oil level. If necessary, add Oil until "FULL" mark is reached.

EVERY 25 HOURS

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. CLEAN AIR CLEANER ELEMENT (FIG. 28).

- Open Hood, Pull Intake Air Duct up off engine.
- Remove two screws from Air Cleaner Cover. Lift off Air Cleaner.
- Remove Screen and Spacers from Foam Element.
- Remove Foam Element from Air Cleaner Body.
- Wash Foam Element in liquid detergent and water to remove dirt.
- Wrap foam in cloth and squeeze dry.
- Saturate foam in engine oil. Squeeze to remove excess oil.
- Assemble parts - securely fasten to carburetor with screws.

When assembling make certain the lip of the Foam Element extends over edge of the Air Cleaner Body. The Foam Element lip will form a protective seal.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER OR INTAKE AIR DUCT REMOVED.

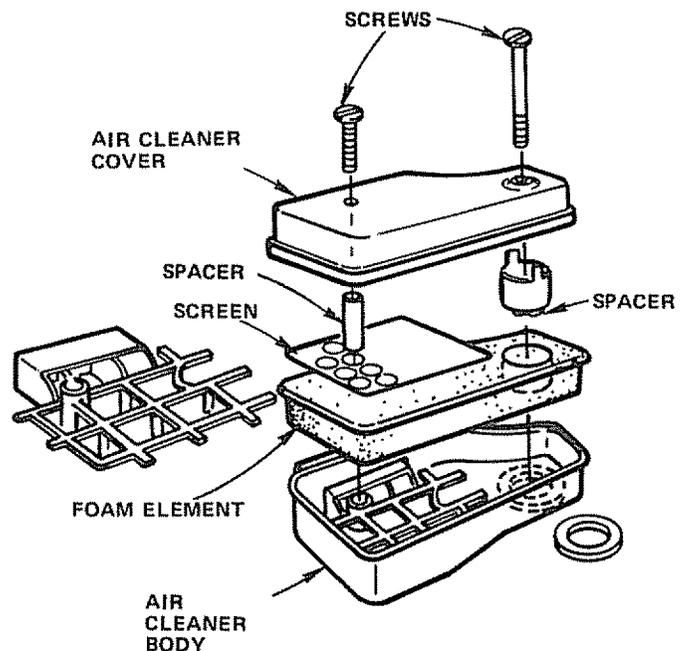


FIGURE 28

2. CHANGE ENGINE OIL

The best time to change Engine Oil is at the end of a day's operation when all dirt and foreign materials are suspended in the hot Oil. See oil chart, page 7.

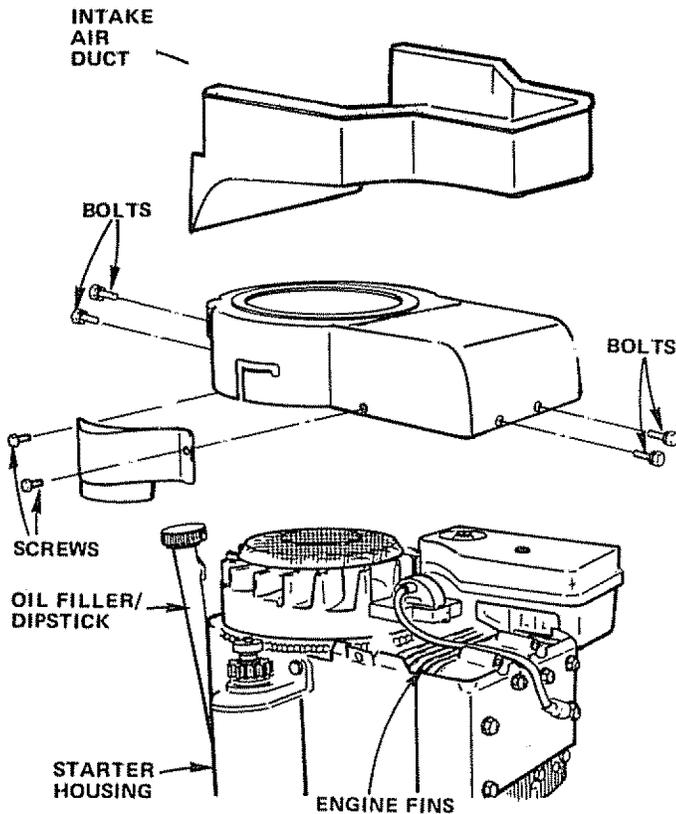


FIGURE 29

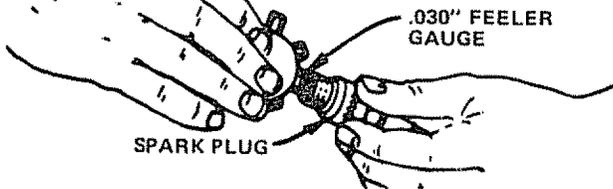


FIGURE 30

EVERY 50 HOURS

1. CLEAN ENGINE COOLING FINS

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

- a. Pull up to remove Intake Air Duct (Fig. 29).
- b. Remove four Bolts from blower housing.
- c. Remove Screws from Starter Housing.
- d. Pull Oil Filler/Dipstick out of crankcase if clearance is required. Cover opening to prevent entry of dirt.

e. Pull blower housing up and away from starter.
NOTE: LEAVE AIR CLEANER IN PLACE TO PREVENT DEBRIS FROM GETTING INTO CARBURETOR.

- f. Use compressed air or stiff bristle brush to thoroughly clean Engine Fins.



WEAR SAFETY GLASSES IF USING COMPRESSED AIR.

- g. To reassemble, reverse above procedure.

2. MUFFLER

Do not operate the tractor without a Muffler or tamper with the exhaust system.



DO NOT TOUCH HOT MUFFLERS, CYLINDERS OR FINS AS CONTACT MAY CAUSE BURNS.

Periodically clean the muffler area to prevent grass, dirt and combustible material from accumulating. Damaged Mufflers or spark arresters could create a fire hazard. Inspect periodically and replace if necessary. If your engine is equipped with a spark arrester screen assembly, remove every 50 hours for cleaning and inspection. Replace if damaged.

EVERY 100 HOURS

The Spark Plug should be changed every 100 hours of operation, or at the beginning of each mowing season. To remove the Spark Plug a Deep Well 13/16" Socket is required. Set Spark Plug gap at .030 inch (Fig. 30).

EVERY 200 HOURS

REPLACE AIR CLEANER ELEMENT

AS NEEDED:

CARBURETOR ADJUSTMENT (FIG. 31)

Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment. CAUTION: BEFORE ANY ENGINE ADJUSTMENT, MAKE SURE AIR CLEANER IS CLEAN. SEE PAGE 16. Remove Air Cleaner Assembly.

1. HIGH SPEED SETTING

- With engine off, place Throttle Control in "FAST" position.
- Loosen Clamp Screw. Adjust Throttle Cable until holes "A" are aligned in Governor Control Plate and Slide Plate.
- Tighten Clamp Screw.

2. HIGH SPEED MIXTURE

- Turn High Speed Mixture Screw clockwise (↻) closing finger tight ONLY, and then turn counterclockwise (↺) 1 - 1/2 turns (Fig. 31).
NOTE: VALVES MAY BE DAMAGED BY TURNING THEM TOO FAR.
- Start Engine and allow to warm for five minutes. Make final adjustments with Engine running and Gear Shift Lever in "NEUTRAL" position.
- With Throttle Control Lever in "FAST" position, turn High Speed Mixture Screw counterclockwise (↺) until engine runs "rough" then turn clockwise (↻) until engine begins to miss. Turn Screw to a point midway between these positions.

3. IDLE MIXTURE

- With Throttle Control Lever in "SLOW" position, hold Throttle Lever so that Idle Stop Screw is against Carburetor, turn Idle Mixture Screw counterclockwise (↺) until engine runs "rough" and then turn clockwise (↻) until engine begins to die. Turn Idle Mixture Screw to a point midway between these positions.

4. IDLE SPEED SETTING

- With Throttle Control Lever in "SLOW" position, engine should idle at 1750 RPM. If engine idles too slow, push Throttle Control Lever above idle and turn Idle Speed Screw one turn clockwise (↻). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.
- If engine idles too fast with Throttle Control Lever in "SLOW" position, push Throttle Control Lever above idle and turn Idle Speed Screw one turn counterclockwise (↺). Set Throttle Control Lever at "SLOW". Repeat until satisfactory idle is attained.

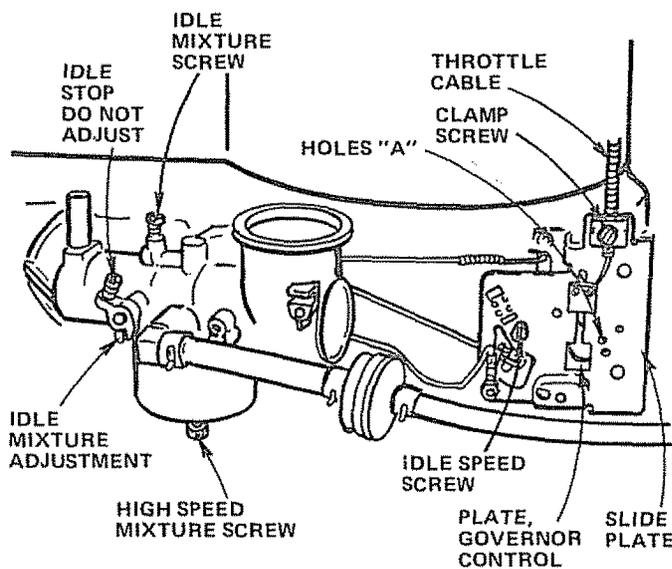


FIGURE 31

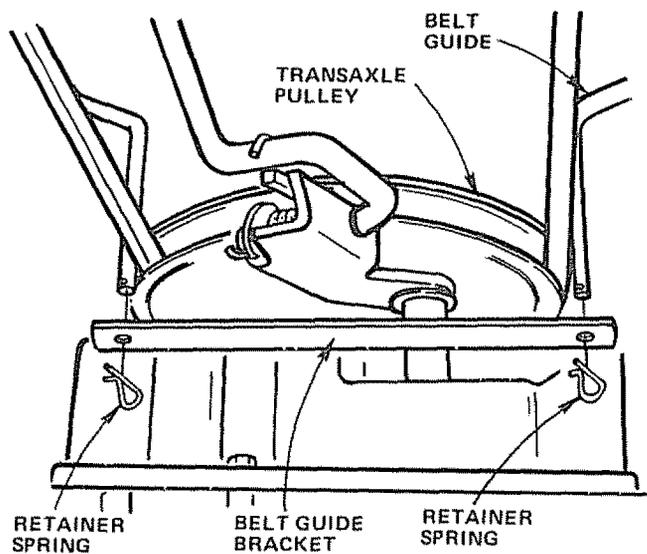


FIGURE 32

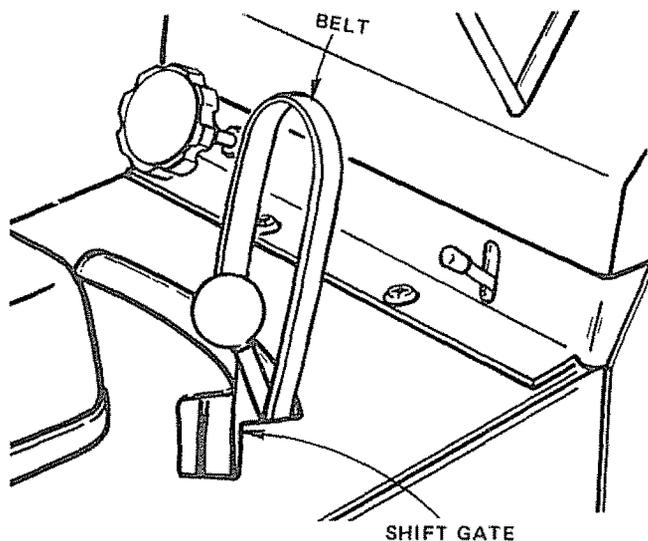
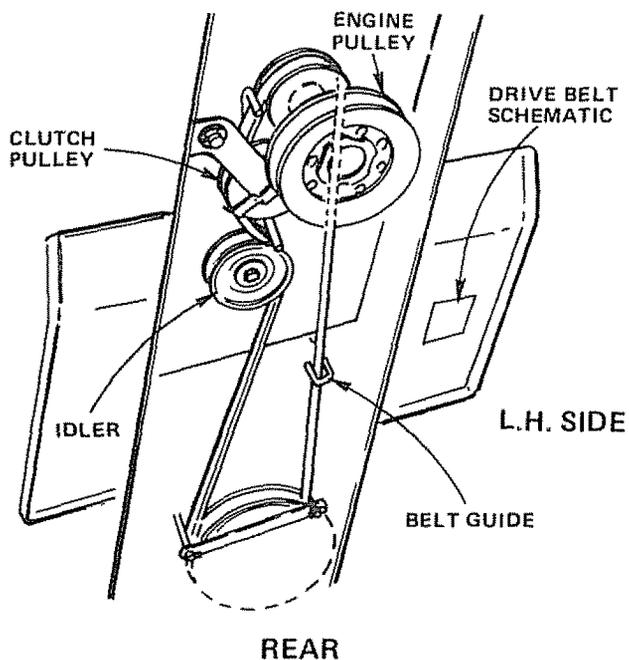


FIGURE 33



VIEWED FROM BOTTOM OF TRACTOR
FIGURE 34

5. REPLACE TRACTOR MOTION DRIVE BELT

The tractor Drive Belt may be replaced without tools. Park the tractor on level area, Engage Parking Brake. NOTE: BELT INSTALLATION DECAL UNDER LEFT FOOT-REST.

- a. Remove mower. (See Mower Section, page 20).
- b. Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 32).
- c. Swing Belt Guides away from Belt, toward rear of tractor (Fig. 32).
- d. Roll Belt over top of Transaxle Pulley.
- e. Roll Belt over Engine Pulley and off Idler (Fig. 34).
- 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. 34).
- h. Pull Belt out through Shift Gate to remove from tractor (Fig. 33).

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

6. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power.



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

- a. 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.
- b. Clean Terminals and Battery Cable ends with a 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 Vaseline.

7. TIRE CARE

- a. Maintain tire pressure in front tires at 14 PSI and rear tires at 12 PSI.
- b. Keep tires free of gasoline, oil, or insect control chemicals which can destroy rubber.
- c. Avoid stumps, stones, deep ruts and other hazards that may cause tire damage.
- d. Removing front wheel for tire repair (Fig. 35).
 - Block up front axle securely. Pull off Dust Cap.
 - Remove Klip Ring and Washer and remove wheel.
 - Repair tire and reassemble. Replace Washer, snap Klip Ring securely in axle groove. Replace Dust Cap.
- e. Removing rear wheel for tire repair (Fig. 36).
 - Block up rear axle securely. Pull off Dust Cap.
 - Remove E-Ring and Washers (1 to 3 as required) and remove wheel.
 - Repair tire and reassemble. Replace Square Key in Axle Shaft.
 - Replace Washers, E-Ring and Dust Cap.

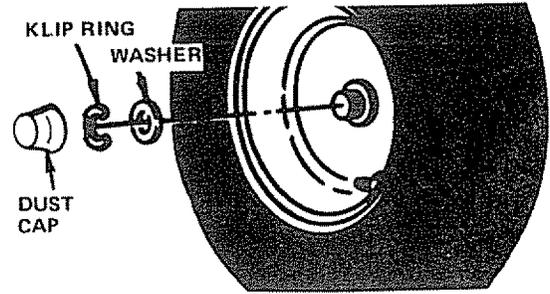


FIGURE 35



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

8. FINISH

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

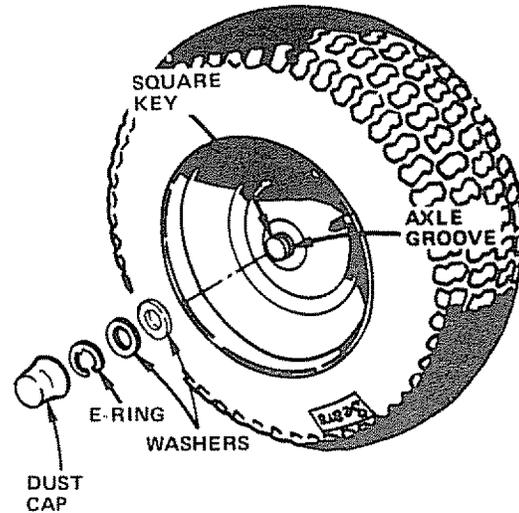


FIGURE 36

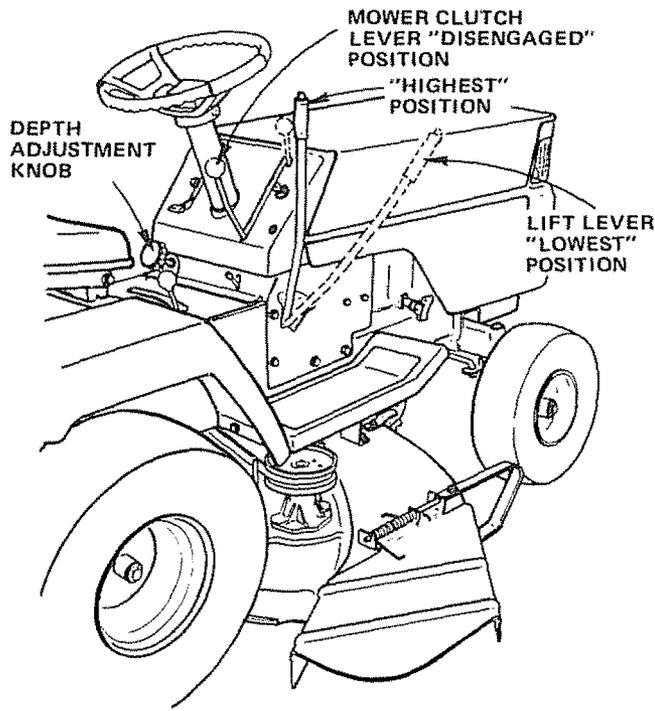


FIGURE 37

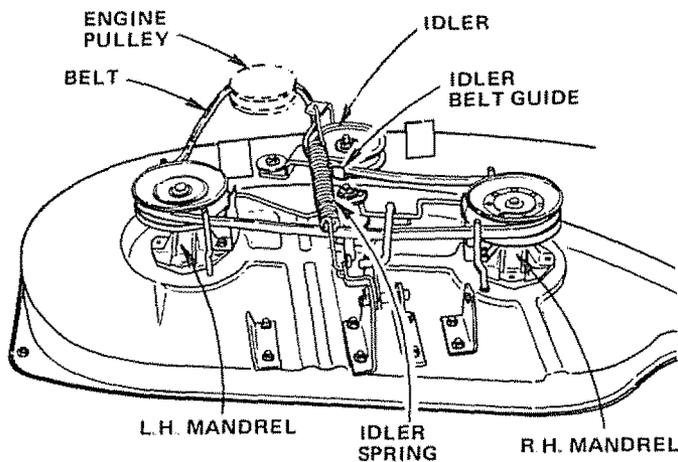


FIGURE 38

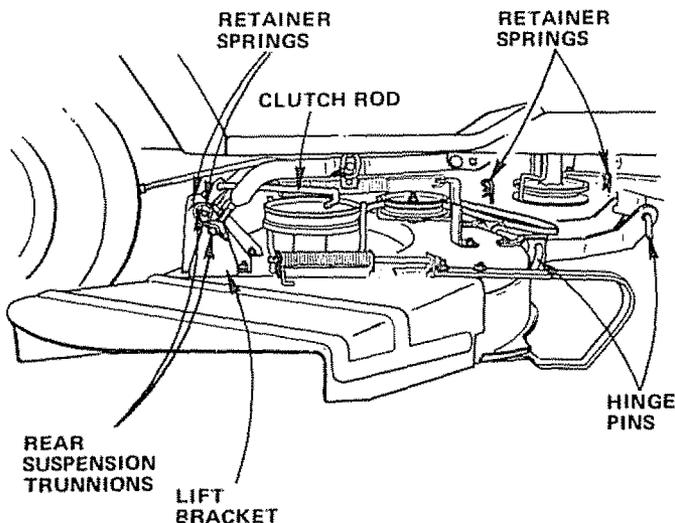


FIGURE 39

TO REMOVE MOWER BELT

NOTE: MOWER BELT INSTALLATION DECAL LOCATED ON MOWER HOUSING.

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL

1. Place Mower Blade Clutch Lever in "DISENGAGED" position (Fig. 37).
2. Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 37) forward to lower Mower to its lowest position.
3. Roll Belt off Engine Pulley (Fig. 38).
4. Pull Belt off both Mandrels.
5. Spring Belt Guide away from Idler Pulley and pull Belt off Idler Pulley.
6. Slide Belt from under Idler Spring.

TO REPLACE MOWER BELT

1. Slide Belt under Idler Spring (Fig. 38).
2. Place Belt on rear side of both Mandrels.
3. Spring Idler Belt Guide down and place Belt around rear side of Idler Pulley.
4. Roll Belt over Engine Pulley.

TO REMOVE MOWER

1. Remove mower Belt per instructions under "To Remove Mower Belt", through step 3.
2. Turn Depth Adjustment Knob to lowest position. Use Lift Lever to lower mower to its lowest position.
3. Remove Retainer Spring from Clutch Rod; pull Clutch Rod out of Clutch Bracket.
4. Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 39).
5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin.
6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 39).
7. Use Lift Lever to raise Suspension Arms. Slide mower out from under tractor.

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.

TROUBLE SHOOTING

POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START Shift Lever in gear Mower Blade Clutch Lever engaged No gasoline in Fuel Tank, clogged Fuel Line, or Fuel Filter Blown Fuse Dead Battery	Place in neutral Disengage Lever (Fig. 10). Be sure Lever is in bottom of slot Fill Tank with Gasoline. Check Fuel Line and Carburetor (clean if necessary) Replace Fuel Filter. Check for fault and replace Fuse Recharge or replace Battery
HARD TO START Choked improperly, flooded Engine Clogged Fuel System Dirty Air Cleaner Spark Plug dirty or improper gap Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel Improper Carburetor adjustment	Place Throttle Control in "FAST" position (Fig. 10) and run starter several times to clear out gas Remove and clean Tank and lines. Replace Fuel Filter Remove and clean (Fig. 28) Clean, adjust gap or replace (Fig. 30) Recharge or replace Check the wiring and Spark Plug Drain Fuel Tank and Carburetor, use fresh fuel and replace Spark Plug Make necessary adjustments (Fig. 31)
ENGINE MISSES OR LACKS POWER Engine overload Clogged Fuel Tank or Fuel Filter Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Engine Air Screen Low oil level or dirty oil Spark Plug dirty, improper gap or wrong type Faulty ignition Poor compression Oil in gasoline	Shift to a lower gear (Fig. 24) or reduce load Remove and clean Tank; replace Fuel Filter Remove and clean (Fig. 28) Make necessary adjustments (Fig. 31) Clean Air Screen (Fig. 25) Add or change oil (page 14) Replace Spark Plug (Fig. 30) Check Spark Plug and for loose wires Major Engine overhaul Drain Gas Tank and Carburetor and refill
ENGINE OVERHEATS Dirty Air Screen Low oil level or dirty oil Dirty Engine Partially plugged Muffler Partially plugged Air Cleaner Stale fuel or improper Carburetor adjustment	Clean Air Screen (Fig. 25) Add or change oil (page 14) Clean Engine Cooling Fins (page 16) Remove and clean Muffler or replace Remove and clean (Fig. 28) Use fresh fuel and adjust Carburetor (Fig. 31)
NO LIGHTS No Headlights with Light Switch on and Engine running	Check Fuse, Switch and wire connections. Replace Headlight Bulbs
WON'T CHARGE Blown Fuse Defective Battery Defective Diode Assembly Defective Alternator	Check for fault and replace Replace Replace Replace
UNSATISFACTORY MOWER PERFORMANCE Tires not inflated properly Mower improperly adjusted Grass high or wet Incorrect engine RPM's Excessive wear to outer cutting tip of mower blade Improper mower blade installation Incorrect mower blade	Check air pressure in tires (page 6) Check front to rear and side to side mower adjustment (page 10) Use a slower ground speed (refer to Mower Operating Instructions, page 11) Check engine RPM's (refer to Carburetor Adjustment, page 17) Replace mower blade Reinstall with top of blade up Replace with proper mower blade

STORAGE

1. FUEL SYSTEM

- Drain fuel tank and carburetor by allowing the engine to run out of gasoline. NOTE: GASOLINE LEFT IN YOUR ENGINE WILL LEAVE GUM DEPOSITS CLOGGING FUEL SYSTEM.
- Dispose of gasoline if not to be used. NOTE: GASOLINE STORED FOR SEVERAL MONTHS LOSES ITS VOLATILITY (ABILITY TO BURN EFFECTIVELY).

2. ENGINE OIL

Drain (with engine warm) and replace with clean engine oil. (See chart, page 7).

3. CYLINDER

- Remove Spark Plug.
- Pour one ounce of engine oil through spark plug hole into cylinder.

- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new Spark Plug.

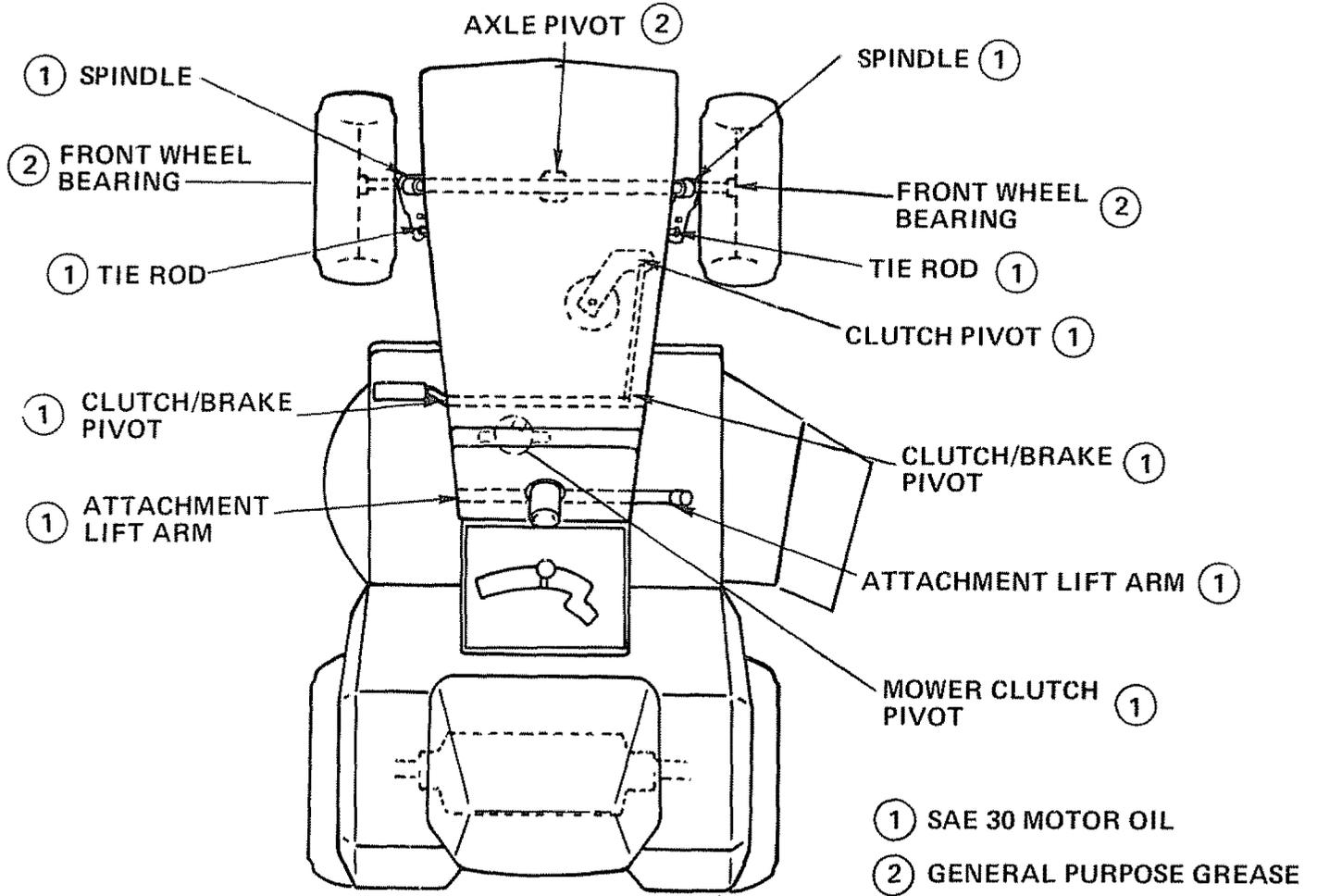
4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F.).
- Re-charge each month if necessary. NOTE: BATTERIES NOT IN USE FOR SEVERAL MONTHS AND NOT KEPT FULLY CHARGED, PRODUCE SULPHATE DEPOSITS ON PLATES WHICH CANNOT BE REMOVED BY RECHARGING.

5. GENERAL CLEANING

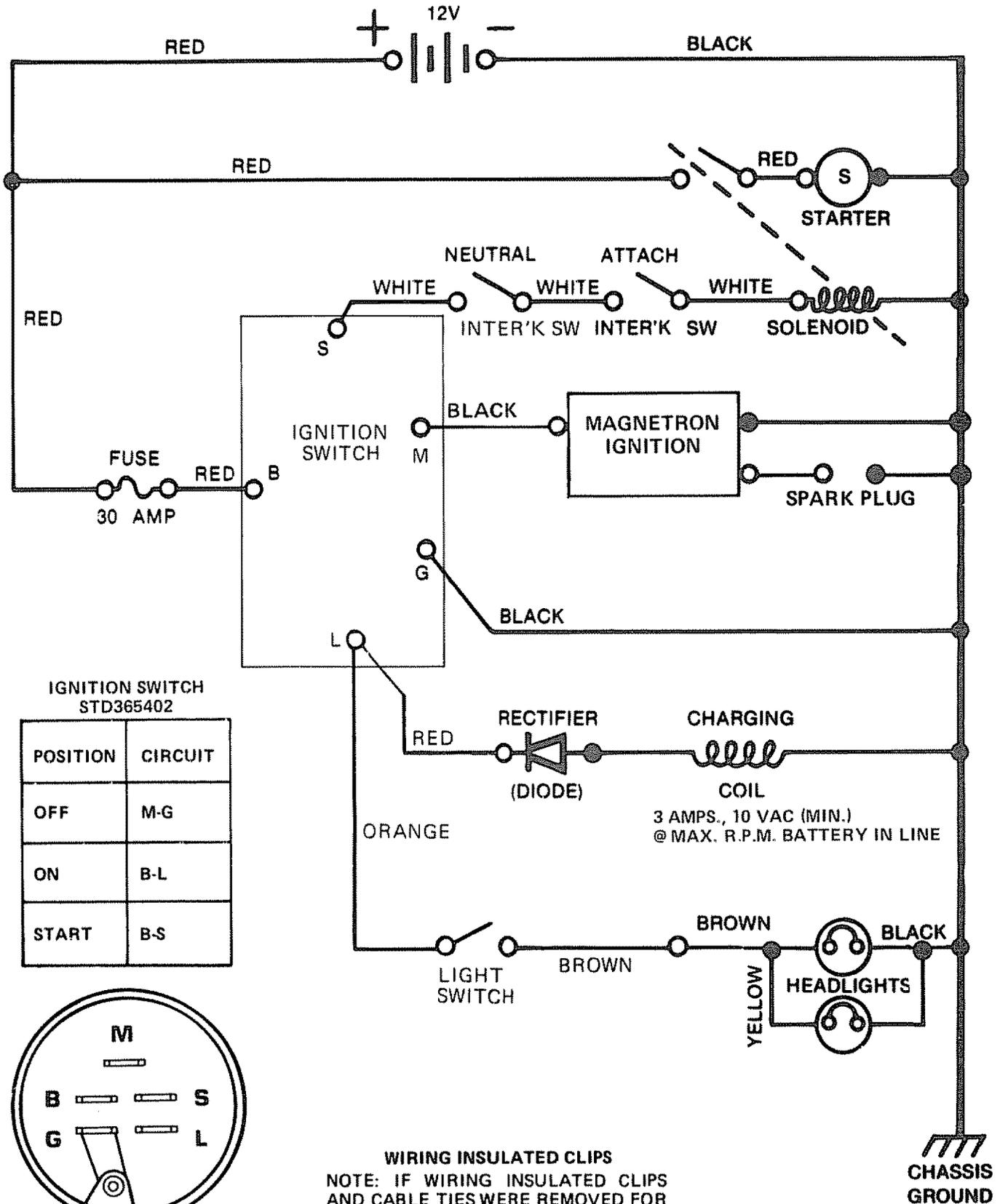
Clean engine, battery, finish, seat, etc of all foreign matter.

LUBRICATION CHART



SERVICE RECORD	FREQUENTLY EVERY 5 HOURS EVERY 25 HOURS EVERY 50 HOURS EVERY 100 HOURS EVERY 200 HOURS					SERVICE DATES
Check Engine Oil Level	✓					
Change Engine Oil (see chart, page 7)		✓				
Lubricate Pivot Points ① and ②	✓	✓				
Check Brake Operation	✓					
Clean Air Screen and Air Intake Duct	✓					
Clean Air Cleaner Element		✓				
Replace Air Cleaner Element				✓		
Clean Engine Cooling Fins			✓			
Replace Spark Plug				✓		
Check Battery Level	✓					
Check Tire Pressure	✓					
Replace Fuel Filter					✓	

SCHEMATIC



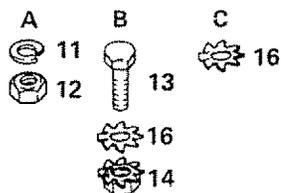
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ELECTRICAL

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	7662J	Bulb, Light	17	719J	Cover, Terminal
2	105386X	Harness, Light Socket	18	5114J	Cable, Battery
3	106480X	Harness, Ignition	19	105737X	Switch, Interlock
4	STD365410	Key Set	20	2033J	Cable, Battery
5	105381X	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	3258J	Nut, Hex 5/8 - 32	23	STD541025	*Nut, Hex 1/4 - 20
8	11151000	Washer, Lock, Int. Tooth, 5/8	24	104923X	Battery, 12V., Sears
9	STD365402	Switch, Ignition	25	105371X	Terminal Guard
10	STD380300	*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	Battery Bolt (Bolt - Carriage, Rd. Hd. Sq. Neck 1/4 - 20 x 7 - 1/2)
13	STD522505	*Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	29	2008J	Solenoid
14	73510400	Nut, Keps 1/4 - 20	30	106552X	Cover - Cable, 9"
15	4559J	Cable Assembly	31	106580X	Kit, Replacement Fuseholder
16	11050400	Washer Lock, Ext. Tooth, 1/4	32	7192J	Cable Tie
			---	101539X	Sheet - Instruction, Tractor 15 ⁰ Slope
			---	106738X	Owners Manual

*STANDARD HARDWARE--PURCHASE LOCALLY



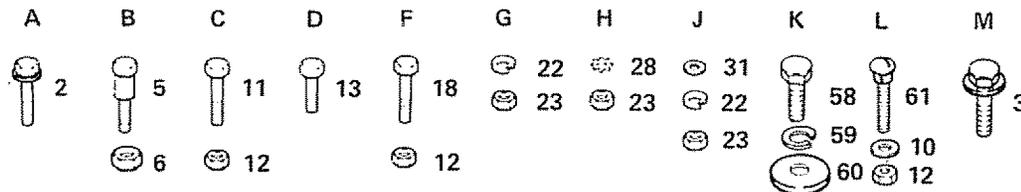
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

ENCLOSURE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105873X	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 5/8 - 16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	105604X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16 - 18	37	105606X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16 - 18	38	105683X	Side Panel, R.H.
7	105512X	Spring - Compression	39	105684X	Side Panel, L.H.
8	105514X	Clamp, Spring	40	105666X	Chassis Assembly
9	105274X	Fender	41	102481X	Drawbar
10	19132012	Washer, 13/32 x 1 - 1/4 x 12 Ga.	42	105516X	Pan - Seat
11	STD523707	*Bolt, Hex, 3/8 - 16 x 3/4	45	105372X	Tray, Battery
12	73680600	Nut, Lock 3/8 - 16	46	105687X	Tube - Plastic
13	17490608	Screw, Hex Washer Thd. Roll 3/8 - 16 x 1/2	47	6999R	Clamp, Hose
14	105753X	Bracket, Fender	48	105801X	Decal - Reflective, Rear
16	105465X	Footrest, L.H.	49	105802X	Decal, Stripe, L.H.
17	105464X	Footrest, R.H.	50	105803X	Decal, Stripe, R.H.
18	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4	51	105806X	Decal, Grill Craftsman
19	105466X	Pad, Footrest	52	105807X	Decal, Grill, Stripe
20	105600X	Bracket, Pivot, Grill, R.H.	53	4900J	Decal, Clutch/Brake
21	105602X	Bracket, Pivot, Grill, L.H.	54	105805X	Decal, 11 H.P.
22	STD551125	*Washer, Lock, 1/4	55	105809X	Decal, 5 Speed, 38"
23	STD541025	*Nut, Hex, 1/4 - 20	56	105813X	Decal, V-Belt Schematic
24	105615X	Lens, L.H.	57	105774X	Clip, Hold Down M.L.A.
25	105614X	Lens, R.H.	58	74780812	Bolt, Hex 1/2 - 13 x 3/4
26	105776X	Spacer, .28 x .75 x .20	59	10110800	Washer - Lock - Light 1/2
27	105777X	Spacer, .28 x .75 x .46	60	19171912	Washer 17/32 x 1 - 3/16 x 12 Ga.
28	11030400	Washer, Lock, Int. - Ext. Tooth, 1/4	61	STD523710	*Bolt, Hex 3/8 - 16 x 1
29	105268X	Bezel	63	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
30	105685X	Strap Assembly, Grill	64	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
31	STD551025	*Washer, 9/32 x 5/8 x 16 Ga.			
32	105797X	Hinge, Hood, L.H.			

*STANDARD HARDWARE--PURCHASE LOCALLY



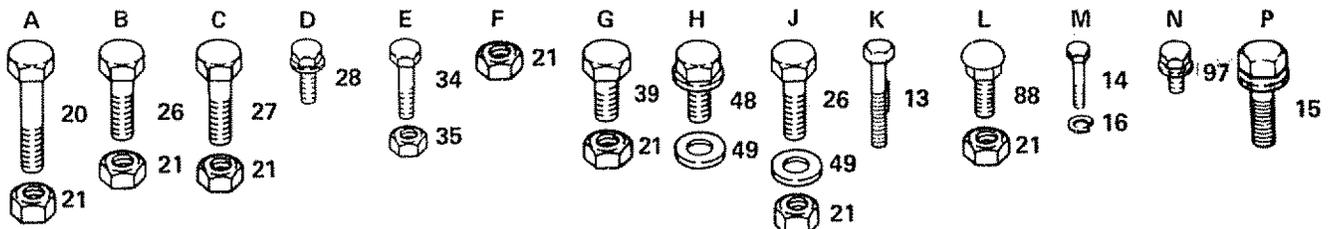
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	101325N	Engine, 11 H.P. Model No. 252707, Type No. 0669-01	49	19131312	Washer 13/32 x 13/16 x 12 Ga.
2	105731X	Pulley, Engine	50	105730X	Keeper, Belt, Engine
3	9767H	Valve, Drain Oil	51	106191X	Keeper, Belt
4	STD551143	*Washer, Lock, 7/16	52	4470J	Spacer
5	74770728	Bolt, Hex 7/16 - 20 x 1 - 3/4	53	4859J	Idler, Flat
6	105732X	V-Belt, Drive	54	106298X	Pulley, Idler
10	106163X	Foam, Strip	55	105705X	Bellcrank Assembly (Inc. Key No. 89)
11	101273M	Muffler	56	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
12	101159L	Shield, Heat	57	105709X	Spring, Return, Clutch
13	74780552	Bolt, Hex Hd. 5/16 - 18 x 3 - 1/4 Gr. 5	58	207J	Washer, Hardened
14	STD522505	Bolt, Hex 1/4 - 20 x 1/2 Gr. 5	59	12000039	Ring, Klip
15	17490620	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 1 - 1/4	60	105710X	Link, Clutch
16	STD551125	*Washer, Lock 1/4	61	76020412	Pin, Cotter 1/8 x 3/4
17	106213X	Duct, Intake, Air	62	105724X	Bracket, Clutch
19	105877X	Transaxle, 5 Speed, Model No. 4150-6 (See pages 36 and 37 for parts breakdown)	63	105752X	Rod, Brake
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	64	105757X	Spring, Rod, Brake
21	73680600	Nut, Lock 3/8 - 16	65	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
22	STD580025	*Key, Woodruff	66	73930600	Nut, Lock 3/8 - 16
23	105703X	Pulley, Transaxle	67	105758X	Rod, Brake, Parking
24	12000028	Ring, Retainer	68	71673	Cap - Plunger
25	3723J	Bracket, Transaxle	69	105720X	Shaft, Foot Pedal
26	STD523710	*Bolt, Hex 3/8 - 16 x 1	70	8883R	Cover - Pedal
27	STD523712	*Bolt, Hex 3/8 - 16 x 1 - 1/4	71	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
28	17490512	Screw, Hex Washer Thread Rolling 5/16 - 18 x 3/4	72	STD571810	*Pin, Roll, 3/16 x 1
29	105638X	Bracket, Support	73	105733X	Arm, Brake
30	105639X	Support, Battery	74	STD580025	*Key, Woodruff
31	106188X	Keeper, Belt, L.H.	75	STD580105	*Key, Square 3/16 x 2
32	4921H	Retainer, Spring	76	104757X	Cap, Hub, Rear
33	106190X	Clamp	77	59192	Cap, Valve
34	STD523107	*Bolt, Hex 5/16 - 18 x 3/4	78	65139	Stem, Valve
35	73680500	Nut, Lock 5/16 - 18	79	106268X	Tire, Rear - 18 x 9.50 x 8
36	106294X	Strap, Locator	---	7152J	Tube, Tire (not furnished with tractor)
37	106189X	Keeper, Belt, R.H.	80	106108X	Rim Assembly, Rear
38	105842X	Strap, Torque, Transaxle	81	105702X	Spacer, Split
39	STD523707	*Bolt, Hex 3/8 - 16 x 3/4	82	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
40	19252516	Washer 25/32 x 1 - 9/16 x 16 Ga.	83	12000001	E-Ring
41	6465R	Knob, Shift	88	STD533707	*Bolt, Carriage 3/8 - 16 x 3/4
42	105699X	Rod, Shift	89	106319X	Spring - Ext.
43	73960500	Nut - Lock, Whiz 5/16 - 18	90	106320X	Bracket - Spring
44	105701X	Washer - Shift, Plate	91	106157X	Plate - Strap, Torque
45	STD561210	*Cotter Pin, 1/8 x 1	92	105706X	Bearing
46	19151216	Washer 15/32 x 3/4 x 16 Ga.	93	106499X	Retainer - Belt
47	104777X	Retainer, Belt	95	2751R	Clip - Insulated
48	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	96	106407X	Deflector, Muffler
			97	17390806	Screw, Hex Washer No. 8 - 32 x 3/8
			98	13280312	Nipple, Pipe, 3/8 NPT x 1 - 1/2
			99	13300300	Coupling, Pipe Std. 3/8 - 18 NPT
			100	105700X	Spring
			101	106630X	Plate, Shift

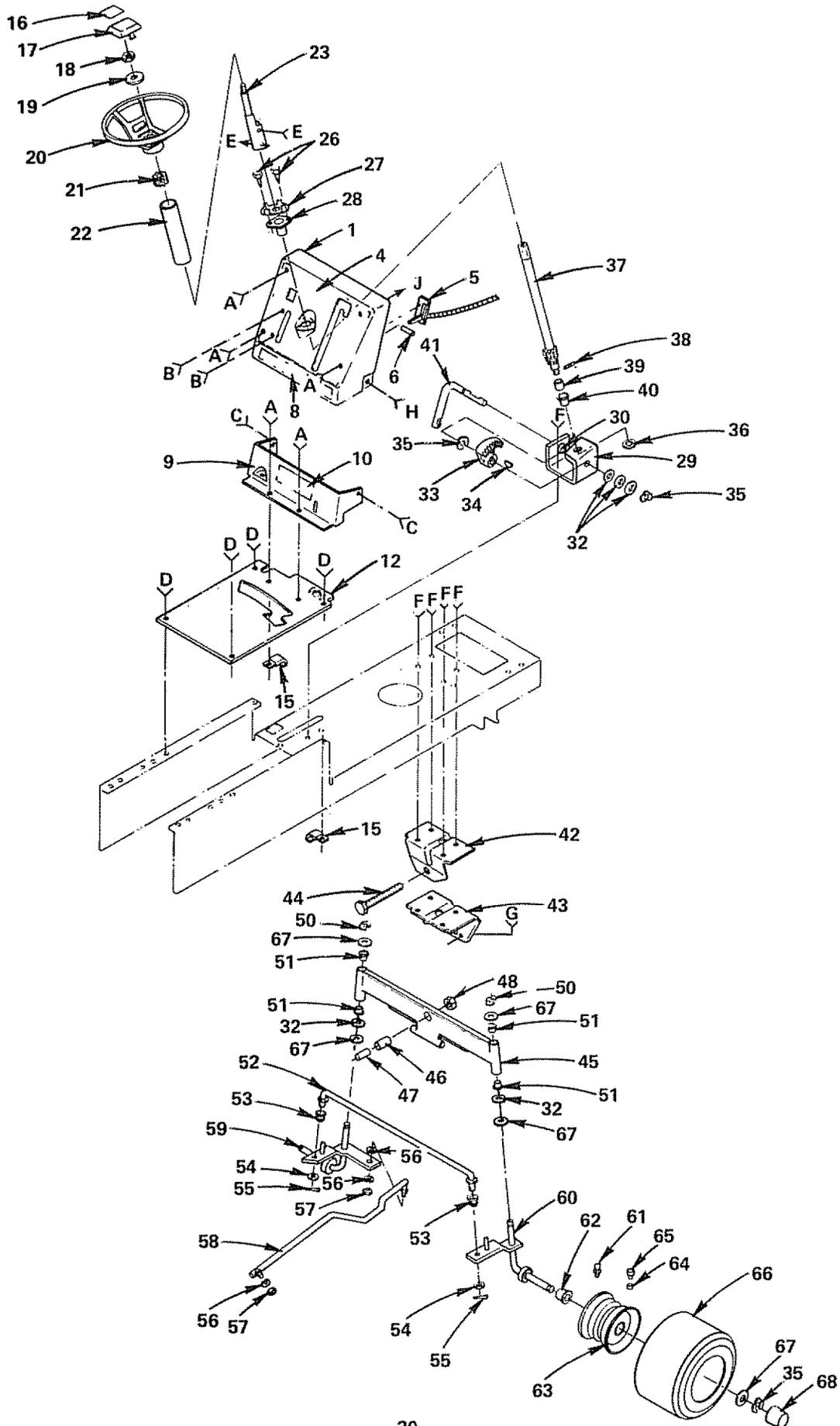
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR—MODEL NUMBER 917.255732

STEERING AND FRONT AXLE



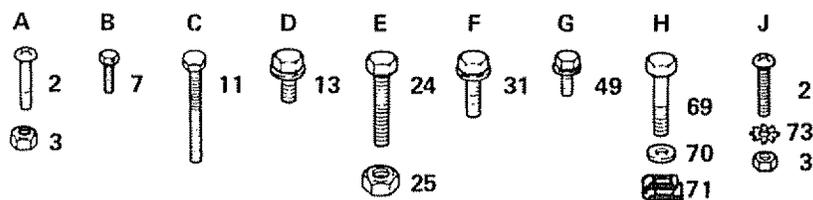
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

STEERING AND FRONT AXLE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105620X	Dash	36	19212016	Washer 21/32 x 1 - 1/4 x 16 Ga.
2	74180512	Screw - Truss Hd. Cross Recess 5/16 - 18 x 3/4	37	105641X	Shaft - Steering - Lower
3	73680500	Nut - Lock 5/16 - 18	38	2882J	Pin - Drive 3/16 x 1
4	105800X	Decal - Dash Panel	39	74580	Spacer .627 x .88 x .695
5	105837X	Control - Throttle Cable	40	71208	Bushing
6	61159	Knob	41	106127X	Rod - Steering
7	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	42	105663X	Support - Saddle - Rear
8	106198X	Decal - Dash Lower	43	105664X	Support - Saddle - Front
9	105621X	Dash - Lower	44	74761064	Bolt - Hex 5/8 - 11 x 4
10	106199X	Decal - Caution	45	105669X	Axle - Front
11	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1 - 1/2	46	105725X	Spacer - Axle
12	105843X	Saddle	47	105726X	Bearing - Axle
13	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	48	73901000	Nut - Lock, Flange 5/8 - 11
15	2751R	Clip	49	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
16	105810X	Decal - Cap, Steering Wheel	50	12000029	Klip Ring
17	100710L	Insert - Steering Wheel	51	3366R	Bearing
18	STD541350	* Nut - Hex Jam 1/2 - 20	52	105715X	Rod - Tie
19	100712K	Washer	53	102792X	Bushing
20	100713N	Wheel - Steering	54	19131414	Washer 13/32 x 7/8 x 14 Ga.
21	100711L	Adapter - Steering Wheel	55	STD561210	* Pin - Cotter 1/8 x 1
22	105647X	Sleeve - Steering	56	STD551137	* Washer - Lock 3/8
23	105643X	Shaft - Steering - Upper	57	STD541137	* Nut - Hex 3/8 - 24
24	STD523712	* Bolt - Hex 3/8 - 16 x 1 - 1/4	58	105727X	Link - Drag
25	73680600	Nut - Lock 3/8 - 16	59	105656X	Spindle - L.H.
26	17431008	Screw - Hex Self Tap. No. 10 - 16 x 1/2	60	105654X	Spindle - R.H.
27	105646X	Bracket - Sleeve, Steering	61	278H	Fitting - Grease
28	1554J	Bushing - Steering	62	9040H	Bearing - Flange
29	102531X	Bracket - Steering	63	106732X	Rim - 6" - Front
30	102530X	Bearing - Flange	64	59192	Cap - Valve
31	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	65	65139	Stem - Valve
32	6266H	Bearing - Thrust	66	106222X	Tire - 15 x 6.00 - 6
33	4301J	Gear - Sector	67	59904	Tube - Front (not furnished with tractor)
34	106126X	Key - Woodruff	68	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
35	12000029	Klip Ring	69	104757X	Cap - Hub - Front
			70	106184X	Screw - Special
			71	4043J	Washer
			73	4042J	Clip
				11050500	Washer, Lock, Ext. Tooth, 5/16

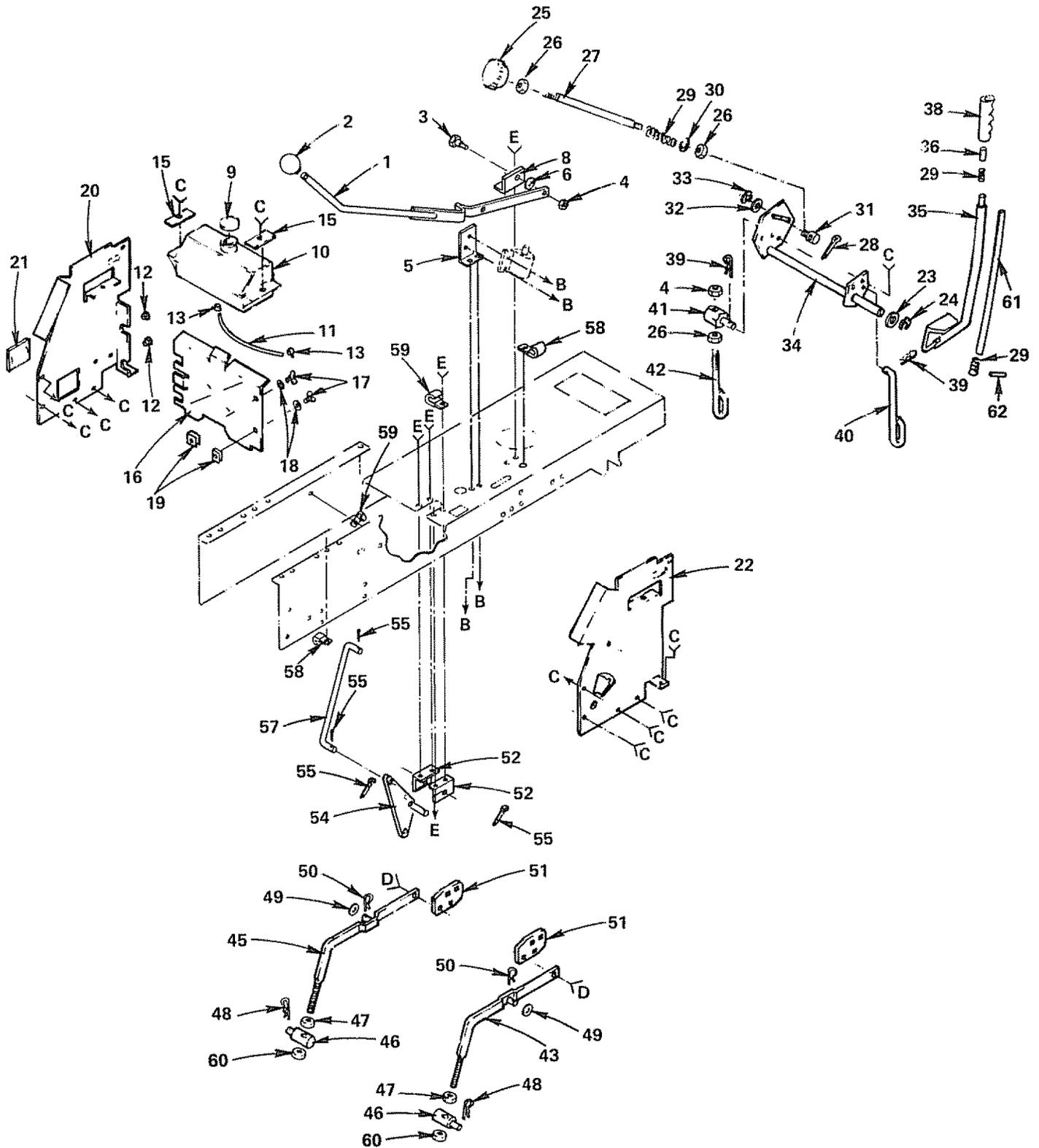
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REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT



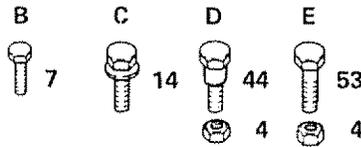
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	29	2876H	Spring
2	9439M	Knob	30	19131016	Washer 13/32 x 5/8 x 16 Ga.
3	106451X	Bolt, Shoulder	31	101272K	Trunnion, Depth Adjustment
4	73680600	Nut, Lock, 3/8 - 16	32	19151216	Washer 15/32 x 3/4 x 16 Ga.
5	106452X	Bracket, Switch, Interlock	33	12000037	Klip Ring
6	19171713	Washer 17/32 x 1 - 1/16 x 13 Ga.	34	105754X	Shaft, Lift
7	17021008	Screw, Hex, Tapping, No. 10 - 24 x 1/2	35	105768X	Lever, Assembly
8	106447X	Support, Lever, Clutch	36	105723X	Plunger
9	105965X	Cap, Fuel	38	106019X	Grip, Handle
10	105738X	Tank, Fuel	39	4939M	Retainer, Spring
11	8547R	Line, Fuel	40	105856X	Link, Lift
12	9151R	Grommet	41	106204X	Trunnion, Lift
13	6999R	Clamp, Hose	42	105855X	Link, Lift, Adjustable
14	17490612	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 3/4	43	105862X	Arm, Suspension, R.H.
15	105711X	Brace	44	105848X	Bolt, Shoulder, 3/8 - 16
16	105736X	Shield, Heat	45	105863X	Arm, Suspension, L.H.
17	105751X	Stud, 1/4 Turn	46	106308X	Trunnion, Lift, Lower
18	105838X	Retainer - 1/4 Turn	47	STD541250	*Nut, Hex, 1/2 - 13
19	105839X	Receptacle - 1/4 Turn	48	9135R	Retainer, Spring
20	105619X	Panel, Dash, L.H.	49	19171616	Washer 17/32 x 1 x 16 Ga.
21	105505X	Cover, Access	50	4921H	Retainer, Spring
22	105618X	Panel, Dash, R.H.	51	105864X	Bracket, Suspension
23	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	52	106444X	Bracket, Bellcrank
24	12000029	Klip Ring	53	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
25	100734K	Knob	54	106441X	Bellcrank Assembly
26	STD541237	*Nut, Hex Jam 3/8 - 16	55	76020412	Pin, Cotter, 1/8 x 3/4
27	105686X	Rod, Adjust, Lift	57	106446X	Rod, Clutch, Primary
28	76020308	Pin, Cotter 3/32 x 1/2	58	2751R	Clip, Fuel Line
			59	5320R	Clip
			60	73680800	Locknut 1/2 - 13
			61	105764X	Rod Assembly - Lever, Lift
			62	105767X	Pin - Groove

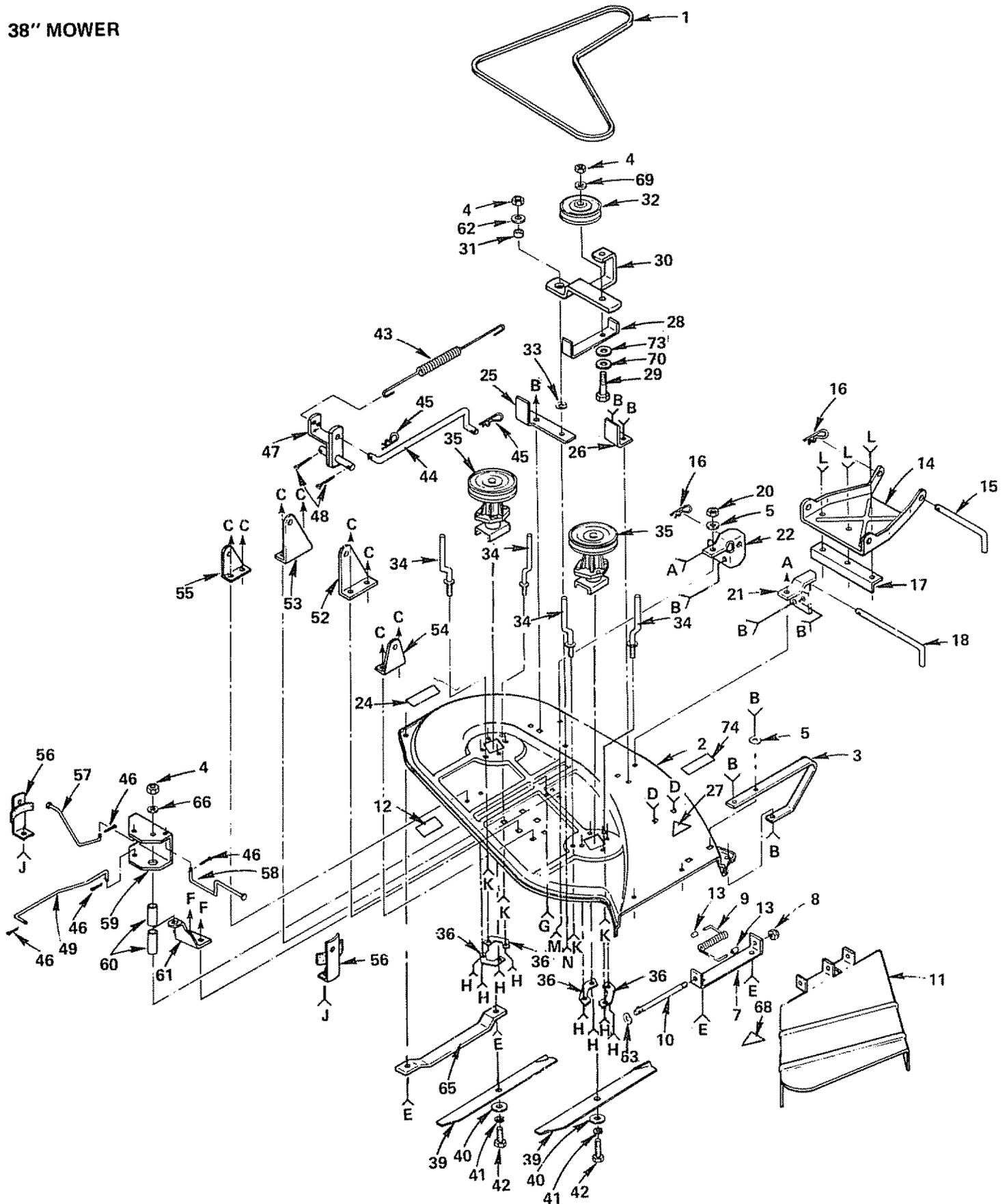
*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER



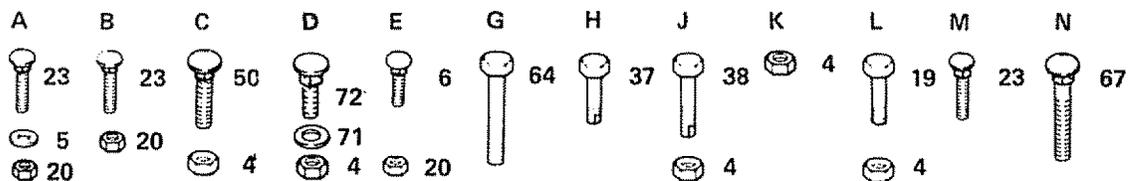
REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

38" MOWER

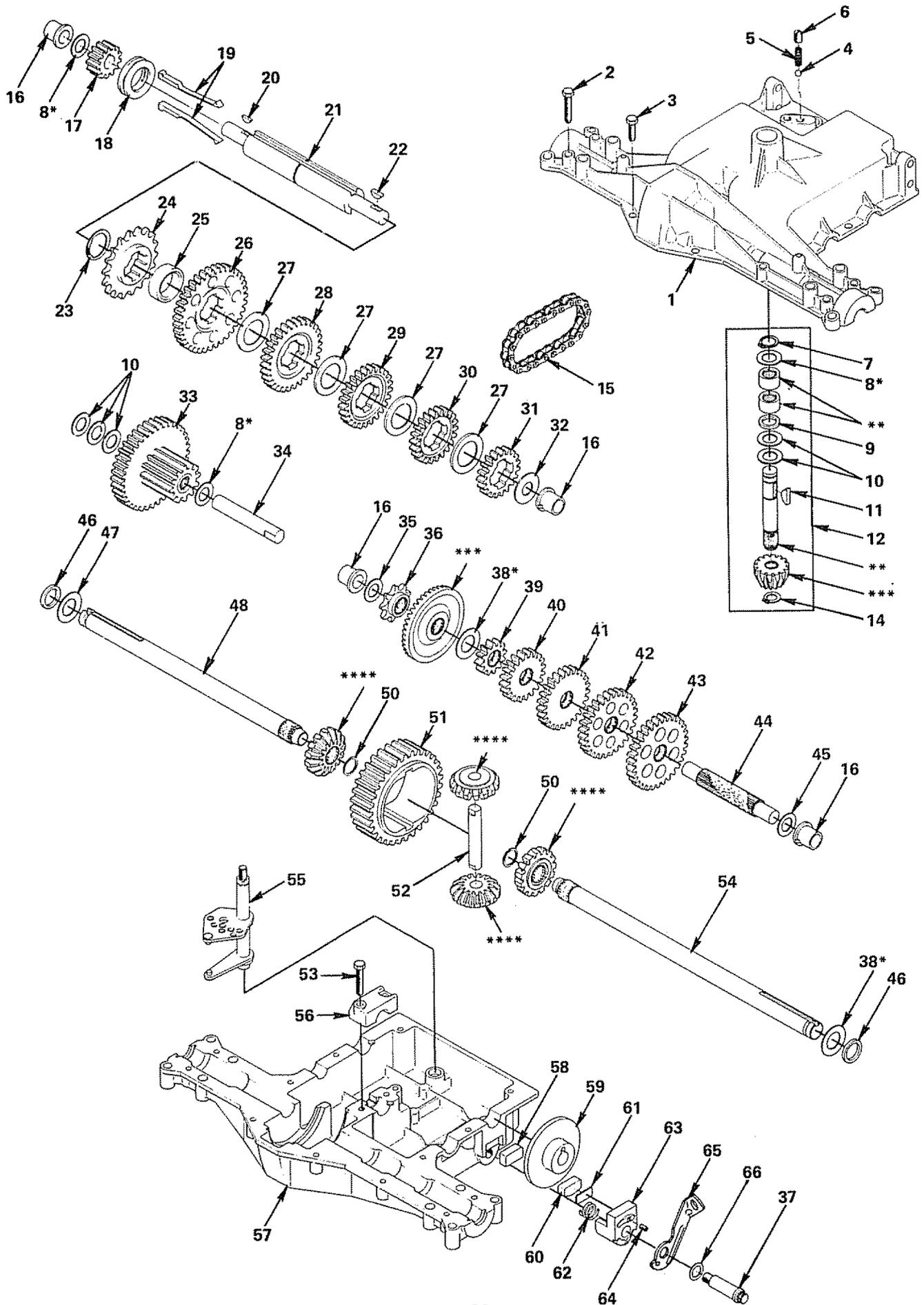
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	39	106634X	Blade, 38"
2	105689X	Housing	40	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	41	STD551137	*Washer, Lock, 3/8"
4	73680600	Nut, Lock, 3/8 - 16	42	STD632715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer, 11/32 x 3/4 x 16 Ga	43	106462X	Spring, Ext.
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	44	106445X	Rod - Clutch, Mower
7	106733X	Bracket, Deflector	45	4921H	Spring - Retainer
8	5846R	Nut	46	STD560907	*Pin - Cotter, 3/32 x 3/4
9	106734X	Spring, Deflector	47	106453X	Pivot Assembly, Mower
10	106735X	Rod - Hinge	48	76020616	Pin, Cotter, 3/16 x 1
11	106736X	Deflector - Shield	49	106457X	Rod, Brake, Primary
12	105814X	Decal	50	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	52	106289X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	53	106288X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	54	105857X	Bracket, Susp., Rear, R.H.
16	9135R	Spring - Retainer	55	105851X	Bracket, Susp., Rear, L.H.
17	105872X	Stop, Link	56	106578X	Brake Assembly
18	105743X	Pin - Hinge, Rear	57	106463X	Rod, Brake, Secondary L.H.
19	STD523707	*Bolt 3/8 - 16 x 3/4	58	106464X	Rod, Brake, Secondary, R.H.
20	73680500	Nut, Lock 5/16 - 18	59	106456X	Bracket, Brake, Pivot
21	105659X	Bracket, Lift, R.H.	60	100672K	Spacer, Brake
22	105660X	Bracket, Lift, L.H.	61	100673L	Bracket, Support
23	STD533107	*Bolt, Carr. 5/16 - 18 x 3/4	62	106514X	Washer, Wear 3/16
24	3713J	Instruction - Caution Decal	63	19111016	Washer, 11/32 x 5/8 x 16 Ga.
25	106295X	Support, Arm	64	74760680	Bolt, 3/8 - 16 x 5
26	105850X	Stop, Deck, Front	65	7631J	Runner, L.H.
27	5224J	Decal - Safety Standard	66	19131614	Washer 13/32 x 1 x 14 Ga.
28	106461X	Guide, Belt	67	72140610	Bolt, Carr. 3/8 - 16 x 1 - 1/4
29	STD523720	*Bolt 3/8 - 16 x 2"	68	78850	Decal - Warning
30	106458X	Arm, Idler	69	19141614	Washer 7/16 x 1 x 14 Ga.
31	106283X	Spacer .875 x .309 x .330	70	STD551037	*Washer 13/32 x 13/16 x 16 Ga.
32	102403X	Pulley, Idler	71	19141610	Washer 7/16 x 1 x 10 Ga.
33	106513X	Washer, Wear, 1/16	72	72110606	Bolt, Carriage 3/8 - 16 x 3/4
34	102669X	Keeper, Belt	73	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
35	105891X	Mandrel Assembly	74	106679X	Decal - Warning
36	100668L	Plate, Support, Mandrel			
37	17490612	Screw, Hex Washer Hd. 3/8 - 16 x 3/4			
38	17490620	Screw, Hex Washer Hd. 3/8 - 16 x 1 - 1/4			

*STANDARD HARDWARE--PURCHASE LOCALLY



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105903X	Housing, Upper	36	105928X	Sprocket, 9T, Reverse Drive
2	2276J	Screw, Tapping, 1/4 - 20 x 1.31 Lg.	37	2285J	Bolt, Shoulder
3	2274J	Screw, Tapping, 1/4 - 20 x .875 Lg.	38	105930X	Washer, Plain, .758 x 1.12 x .015
4	68003	Ball, Detent	38	105931X	Washer, Plain, .758 x 1.12 x .020
5	105904X	Spring, Detent	38	105932X	Washer, Plain, .758 x 1.12 x .025
6	105905X	Screw, Set	38	3417J	Washer, Plain, .758 x 1.25 x .020
7	2267J	Ring, Retaining	38	106097X	Washer, Plain, .758 x 1.25 x .025
8	2233J	Washer, Plain, .632 x 1.00 x .020	38	2264J	Washer, Plain, .758 x 1.25 x .031
8	2232J	Washer, Plain, .632 x 1.00 x .026	38	106098X	Washer, Plain, .758 x 1.25 x .035
8	2231J	Washer, Plain, .632 x 1.00 x .031	38	2265J	Washer, Plain, .758 x 1.25 x .040
8	2230J	Washer, Plain, .632 x 1.00 x .036	38	106586X	Washer, Plain, .758 x 1.25 x .045
8	2229J	Washer, Plain, .632 x 1.00 x .041	38	106587X	Washer, Plain, .758 x 1.25 x .050
8	2228J	Washer, Plain, .632 x 1.00 x .046	38	106588X	Washer, Plain, .758 x 1.25 x .055
8	2227J	Washer, Plain, .632 x 1.00 x .050	38	2263J	Washer, Plain, .758 x 1.25 x .062
8	2226J	Washer, Plain, .632 x 1.00 x .060	39	105933X	Gear, Spur, 12T, 1st - Drive
8	105906X	Washer, Plain, .632 x 1.00 x .082	40	105934X	Gear, Spur, 20T, 2nd - Drive
9	6725J	O-Ring	41	106589X	Gear, Spur, 25T, 3rd - Drive
10	2228J	Washer, Plain, .632 x 1.00 x .046	42	106130X	Gear, Spur, 28T, 4th - Drive
11	2257J	Key, Woodruff, No. 9	43	105937X	Gear, Spur, 31T, 5th - Drive
12	106597X	Assembly, Kit, Input Shaft & Bevel Gear	44	105938X	Shaft, Drive, Splined
13	106598X	Ass'y., Kit, Pinion & Bevel Gear	45	2226J	Washer, Plain, .640 x 1.00 x .060
14	105909X	Ring, Retaining	46	2272J	Seal, Felt
15	105910X	Chain, 24 Pitches	47	2264J	Washer, Plain, .758 x 1.25 x .031
16	105911X	Bearing, Flange	48	106590X	Axle, L.H.
17	105912X	Gear, Spur, 14T	49	106599X	Ass'y., Kit, Miter Gear
18	105913X	Collar, Clutch	50	105941X	Ring, Retaining
19	105914X	Key, Clutch	51	2268J	Gear, Spur, 32T, Differential
20	2242J	Key, Woodruff, No. 3	52	2270J	Shaft, Cross
21	105915X	Shaft, Intermediate	53	106596X	Screw, Tapping, 5/16 - 18 x 1.44 Lg.
22	2244J	Key, Woodruff, No. 61	54	106593X	Axle, R.H.
23	105916X	Ring, Retaining	55	106594X	Assembly, Shifter
24	105917X	Sprocket, 18T, Reverse - Clutch	56	106595X	Cap, Support
25	105918X	Spacer	57	105945X	Housing, Lower
26	105919X	Gear, Spur, 37T, 1st - Clutch	58	4175J	Puck, Friction, Inner
27	105920X	Washer, Special	59	2278J	Disc, Brake
28	105921X	Gear, Spur, 30T, 2nd - Clutch	60	4170J	Puck, Friction, Outer
29	105922X	Gear, Spur, 25T, 3rd - Clutch	61	4169J	Spacer
30	106129X	Gear, Spur, 22T, 4th - Clutch	62	2280J	Spring, Compression
31	105924X	Gear, Spur, 19T, 5th - Clutch	63	6723J	Assembly, Jaw, Brake
32	105925X	Washer, Plain, .640 x 1.37 x .061	64	2281J	Screw, Set, No. 8 - 32 x .312
33	105926X	Assembly, Gear, Comb., 12T & 35T	65	105946X	Assembly, Lever, Actuating
34	105927X	Shaft, Idler	66	2284J	Washer, Plain, .510 x .750 x .006
35	3413J	Washer, Plain, .631 x 1.00 x .010			

*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCES

**ORDER KEY NO. 12

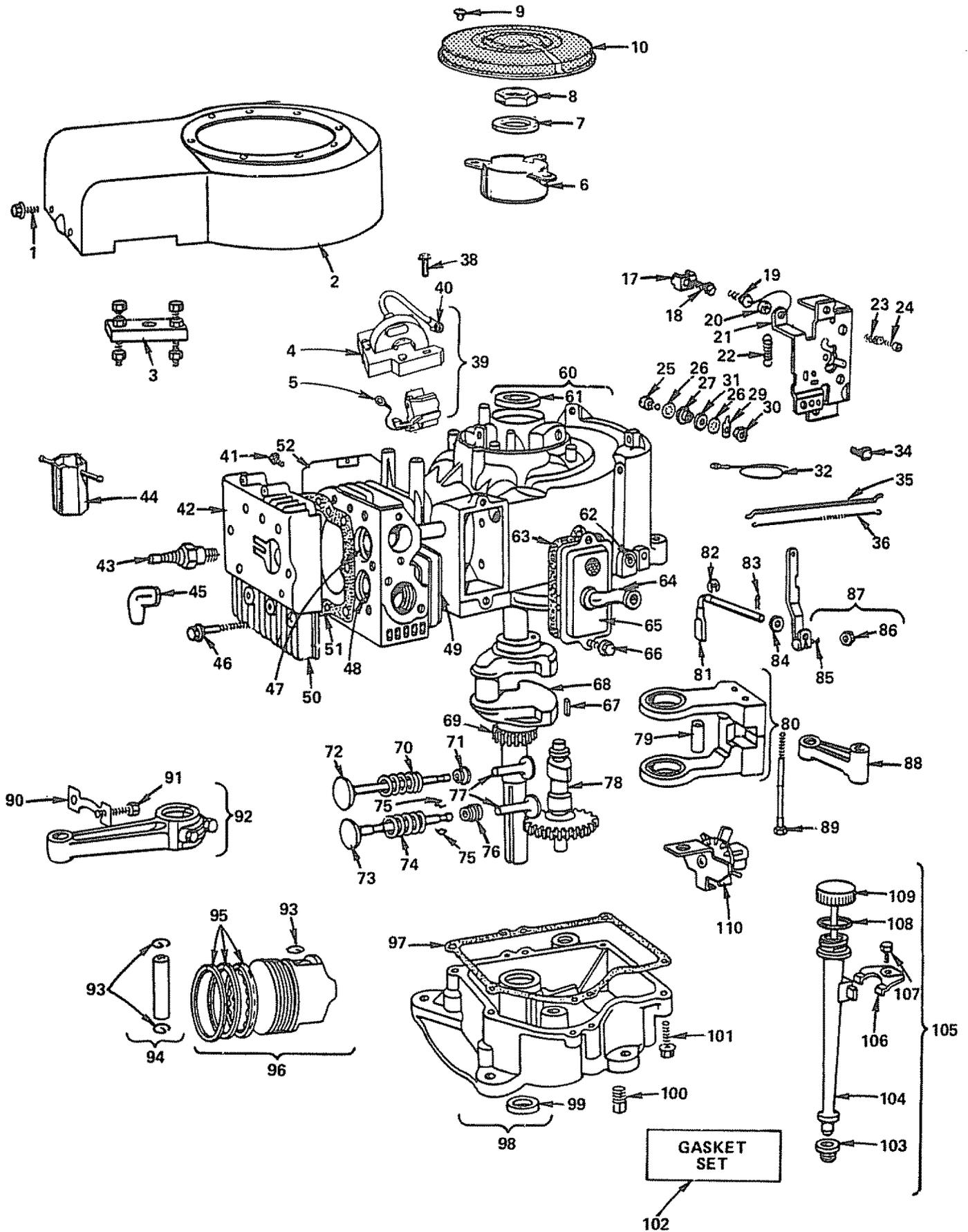
***ORDER KEY NO. 13 (CONTAINS PINION & BEVEL GEAR)

****ORDER KEY NO. 49 (CONTAINS 4 MITER GEARS, 2 RETAINING RINGS AND SHIM WASHERS)

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CYLINDER BLOCK GROUP

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93158	Screw - Blower Hsg Mtg. Sem	65	391406	Breather Assembly
2	391556	Housing - Blower	66	93394	Screw - Sem
3	19203	Puller - Flywheel	67	222698	Key - Flywheel
4	395326	Armature Assembly (Less Trigger Coil)	68	392299	Crankshaft
5	394970	Trigger Coil	69	261196	Gear - Timing
6	222561	Cup - Screen Mtg.	70	65906	Spring - Intake Valve
7	220865	Washer - Spring	71	221596	Retainer - Intake Valve
8	92284	Nut - Hex	72	261462	Valve - Intake
9	93805	Screw - Sem	73	261185	Valve - Exhaust
10	222562	Screen - Flush Rotating	74	26828	Spring - Exhaust Valve
17	221535	Clamp - Casing	75	93630	Retainer - Exhaust Valve Rotocoil
18	93496	Screw - Sem	76	292260	Rotocoil - Exhaust Valve
19	93686	Screw - Control Brkt. Mtg.	77	261183	Tappet - Valve
20	231039	Spacer - Control Brkt. Mtg.	78	212897	Gear - Cam
21	396199	Plate - Gov. Contol	79	298909	Pin - Counterweight
22	261306	Spring - Governor	80	391373	Counterweight Assy. (Inc. Key No. 79)
23	26157	Spring - Throttle Adjustment	81	231058	Crank - Governor
24	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8"	82	93307	Retainer - E-Ring
25	91920	Screw - Terminal (Fill. Hd.)	83	93306	Cotter - Hairpin
26	92791	Washer - Lock - Shakeproof	84	222450	Washer - Governor Crank
27	66554	Collar - Insulating	85	92613	Bolt - Governor Lever
29	93722	Terminal - Spade	86	231082	Nut - Hex 10 - 24
30	90576	Nut - Hex 8 - 32	87	391733	Lever Assy. - Governor (Inc. Key No's. 85 & 86)
31	66068	Washer - Insulating	88	212359	Link - Counterweight
32	299500	Wire - Ground	89	93875	Screw - Counterweight
34	93572	Screw	90	222299	Lock - Conn. Rod Screw
35	261609	Link - Governor	91	92909	Screw - Conn. Rod
36	261911	Spring - Governor Link	92	391775	Rod Assy. - Conn. (Inc. Key No's. 90 & 91)
38	93381	Screw - Armature Mtg. Sem	93	260924	Lock - Piston Pin
39	395492	Armature Group	94	299691	Pin Assy. - Piston - Std. (Inc. Key No. 93)
40	221798	Terminal - Ignition Cable	94	391286	Pin Assy. - Piston .005" O.S.
41	93163	Screw - Cylinder Shield Mtg. Sem	95	391780	Ring Set - Piston - Std.
42	222725	Cover - Cylinder Head	95	391781	Ring Set - Piston .010" O.S.
43	298809	Plug - Spark	95	391782	Ring Set - Piston .020" O.S.
44	89838	Plug - Spark - Wrench	95	391783	Ring Set - Piston .030" O.S.
45	66538	Elbow - Spark Plug	96	391285	Piston Assy. - Std. (Inc. Key No's. 93 & 95)
46	93723	Screw - Cylinder Head	96	391287	Piston Assy. - .010" O.S.
47	261463	+Seat - Intake Valve	96	391288	Piston Assy. - .020" O.S.
48	210940	+Seat - Exhaust Valve	96	391289	Piston Assy. - .030" O.S.
49	230655	+Guide - Exhaust Valve	97	270808	*Gasket - Crankcase Cover 1/64" thick
50	212914	Head - Cylinder	97	270915	*Gasket Crankcase Cover .005" thick
51	271075	*Gasket - Cylinder Head	97	270916	*Gasket Crankcase Cover .009" thick
52	222744	Shield - Cylinder	98	391784	Sump - Oil (Inc. Key No's. 97 & 99)
60	396324	Cylinder Assy. (Inc. Key No. 61)	99	291675	Seal - Oil
61	391086	Seal - Oil	100	91084	Plug - Oil Drain
62	231055	Bushing - Gov. Crank	101	93585	Screw - Sump Mtg. Sem
63	27803	*Gasket - Valve Cover	102	393411	Gasket Set
64	280100	Tube - Breather	103	68838	Seal - Filler Tube
			104	280134	Tube - Oil Filler
			105	392067	Fill Group - Oil (Inc. Key No's. 103, 104, 106, 107, 108 & 109)
			106	222502	Clamp - Oil Filler Tube
			107	93804	Screw - Clamp Mtg.
			108	270920	Seal - Oil Filler Cap
			109	391841	Cap & Dipstick - Oil Filler
			110	391764	Oil Slinger, Gov. Gear & Bracket Assy.

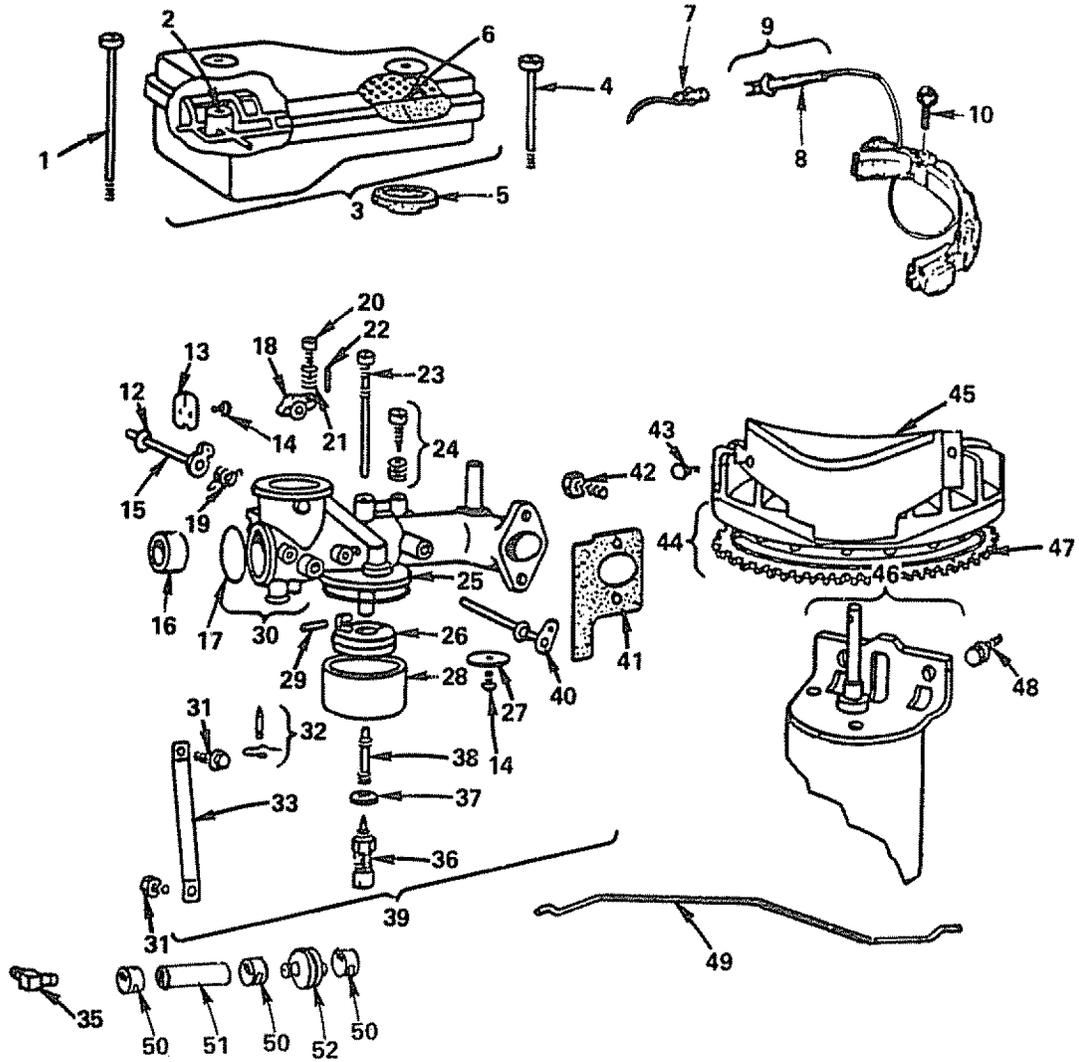
+Special Tools Required to Install

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR



REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

CARBURETOR

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	93323	Screw - Air Cleaner	29	230896	+Pin - Float Hinge
2	280118	Support - Air Cleaner Element	30	391787	Body Assembly Carburetor (Inc. Key No. 17)
3	391786	Cleaner Assembly - Air (Inc. Key No's. 2 & 6)	31	93572	Screw
4	93622	Screw - Air Cleaner	32	299096	+Valve - Fuel Inlet
5	270853	Gasket - Air Cleaner	33	222311	Bracket - Carburetor
6	270843	Element - Air Cleaner	35	67218	Connector - Fuel Pipe
7	393422	Alternator Harness Assy.	36	391233	+Valve - Needle
8	393814	Diode & Connector	37	222014	+Washer - Float Bowl
9	391529	Stator - Alternator (Inc. Key No. 8)	38	230932	+Screw - Nozzle
10	93621	Screw - Sem	39	393410	Carburetor Assy. (Inc. Key No's. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 36, 37 & 38)
12	270382	Washer - Choke Shaft	40	391512	Shaft & Lever - Throttle
13	222010	Valve - Choke	41	270872	*Gasket - Carburetor Mounting
14	93499	Screw - Throttle & Choke Valve Mtg. Sem	42	93357	Screw - Carburetor Mounting
15	390684	Shaft & Lever - Choke	43	93984	Screw - Sem
16	211960	Venturi - Carburetor	44	391988	Flywheel & Ring Gear Assy. - Magneto (Inc. Key No. 47)
17	221997	+Plug - Welch	45	395405	Cover & Shield - Starter
18	211712	Stop - Throttle	46	394805	Motor - Starting
19	261116	Spring - Choke Return	47	392134	Gear - Ring (Inc. Mounting parts)
20	91920	Screw - Machine, Fill. Hd. 8 - 32 x 5/8	48	93523	Screw - Sem
21	26157	Spring - Throttle Adjustment	49	261610	Link - Choke
22	93043	Pin - Throttle Stop	50	93053	Clamp, Hose
23	299740	+Nozzle - Carburetor	51	394045	Pipe, Fuel
24	292681	+Valve Assembly - Carburetor Idle	52	298090	Filter, Fuel
25	270511	+Gasket - Float Bowl	---	299852	Carburetor Overhaul Kit
26	299707	Float - Carburetor			
27	222858	Valve - Throttle			
28	221995	Bowl - Float			

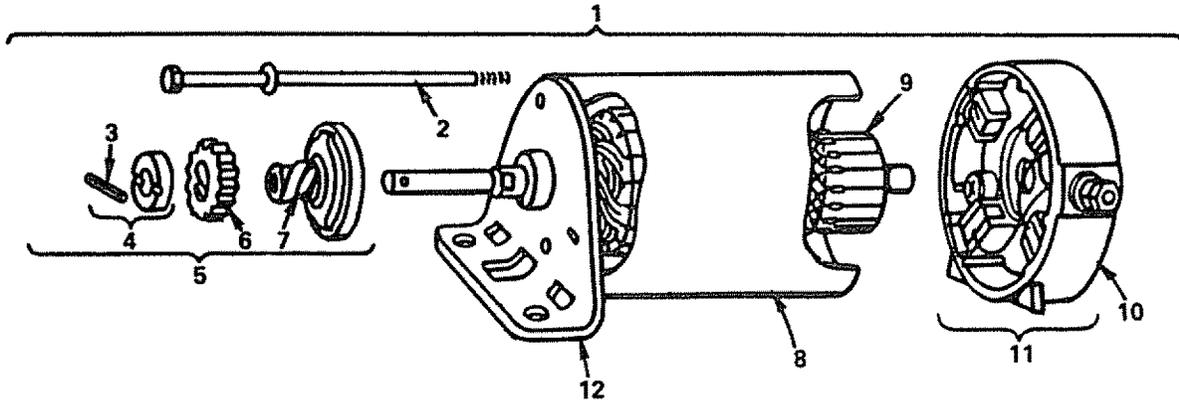
+Included in Carburetor Overhaul Kit - Part No. 299852

*Included in Gasket Set - Part No. 393411

REPAIR PARTS

11 H.P. 38" RIDING LAWN TRACTOR--MODEL NUMBER 917.255732
 ENGINE--MODEL NUMBER 252707, TYPE NUMBER 0669-01

STARTER-MOTOR



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	394805	Motor - Starting (Inc. Key No's. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12)	7	391135	Clutch Assembly
2	94003	Thru Bolt Assembly	8	393825	Housing Assembly
3	93754	Roll Pin	9	392747	Armature Assembly
4	391462	Retainer & Pin (Inc. Key No. 3)	10	395538	Brush Assembly
5	391461	Drive Assembly (Inc. Key No's 3, 4, 6 & 7)	11	395537	End Cap Assy. Commutator (Inc. Key No. 10)
6	280104	Gear	12	394856	End Cap Assy. Drive

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

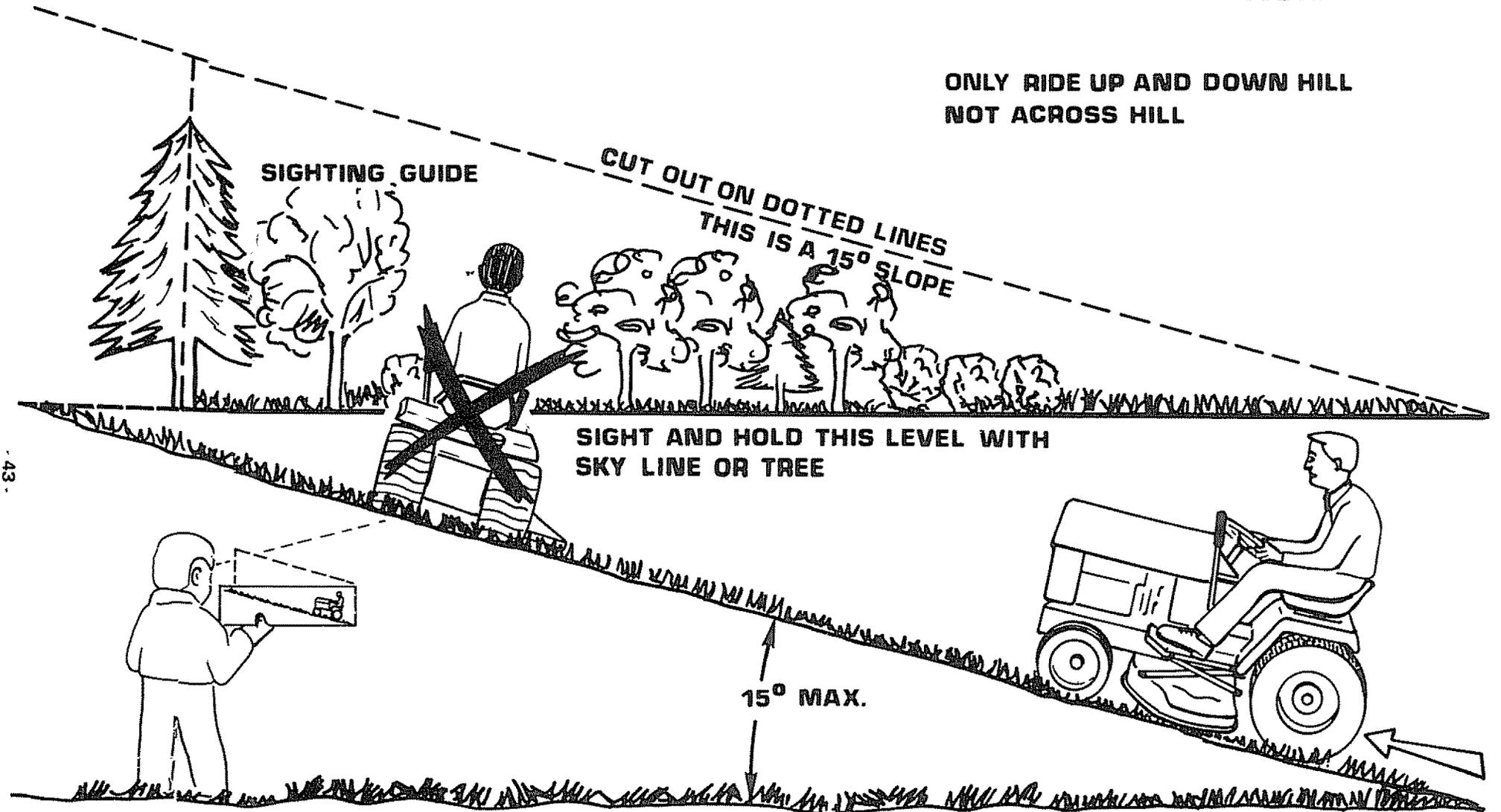
ONLY RIDE UP AND DOWN HILL
NOT ACROSS HILL

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.

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SEARS
OWNERS
MANUAL

MODEL NO.
917.255732

**HOW TO ORDER
REPAIR PARTS**

11 H.P.
38" RIDING
LAWN TRACTOR
ELECTRIC START

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

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

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

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

If the parts you need are not stocked locally, your order will be electronically transmitted to a Sears Repair Parts Distribution Center for "expedited handling".