

8010

**SEARS**  
OWNERS  
MANUAL

MODEL NO.  
917.255723

Caution:  
Read Rules for  
Safe Operation  
and Instructions  
Carefully



38"  
Blade 235 26 4445

10 H.P.  
36" 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 FENDER.

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 34479.

1. Know the controls and how to stop quickly. **READ THIS OPERATOR'S MANUAL** and instructions furnished with attachments.
2. Do not allow children to operate the machine. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. Do not mow when children and others are around.
4. Always wear substantial footwear. Do not wear loose fitting clothing that could get caught in moving parts.
5. Keep your eyes and mind on your tractor, mower and the area being cut. Don't let other interests distract you.
6. Do not attempt to operate your tractor or mower when not in the drivers seat.
7. Always get on or off your tractor from the operators left hand side.
8. Clear the work area of objects (wire, rocks, etc.) which might be picked up and thrown.
9. Disengage all attachment clutches before attempting to start the engine.
10. Disengage power to attachments and stop the engine before leaving the operator's position.
11. Disengage power to mower, stop the engine and disconnect spark plug wire(s) from spark plug(s) before cleaning, making an adjustment or 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. While going up or down slopes, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards. Keep away from drop-offs.
19. Do not drive too close to creeks, ditches and public highways.
20. Exercise special care when mowing around fixed objects in order to prevent the blades from striking them. Never deliberately run tractor or mower into or over any foreign object.
21. Never shift gears until tractor comes to a stop.
22. Never place hands or feet under the mower, in discharge chute or near any moving parts while tractor or mower are running. Always keep clear of discharge chute.
23. Use care when pulling loads or using heavy equipment.
  - a. Use only approved drawbar hitch points.
  - b. Limit loads to those you can safely control.
  - c. Do not turn sharply. Use care when backing.
  - d. Use counterweight or wheel weights when suggested in the owner's manual.
24. Watch out for traffic when crossing or near roadways.
25. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near the vehicle while in operation.
26. Handle gasoline with care - it is highly flammable.
  - a. Use approved gasoline containers.
  - b. Never remove the fuel cap of the fuel tank or add gasoline to a running or hot engine or an engine that has not been allowed to cool for several minutes after running. Never fill the tank indoors, always clean up spilled gasoline.
  - c. Open doors if the engine is run in the garage - exhaust fumes are dangerous. Do not run the engine indoors.
27. Keep the vehicle and attachments in good operating condition, and keep safety devices in place and working.
28. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition.
29. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
30. To reduce fire hazard, keep the engine free of grass, leaves or excessive grease. Do not clean product while engine is running.
31. Except for 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. Shut the engine off when unclogging chute.
  - c. Check the blade mounting bolts for proper tightness at frequent intervals.
36. Do not operate the mower without the deflector shield in place.
37. Disengage power to mower before backing up. Do not mow in reverse unless absolutely necessary and then only after careful observation of the entire area behind the mower.
38. Under normal usage the grass catcher bag material is subject to deterioration and wear. It should be checked frequently for bag replacement. Replacement bags should be checked to ensure compliance with the original manufacturer's recommendations or specifications.



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

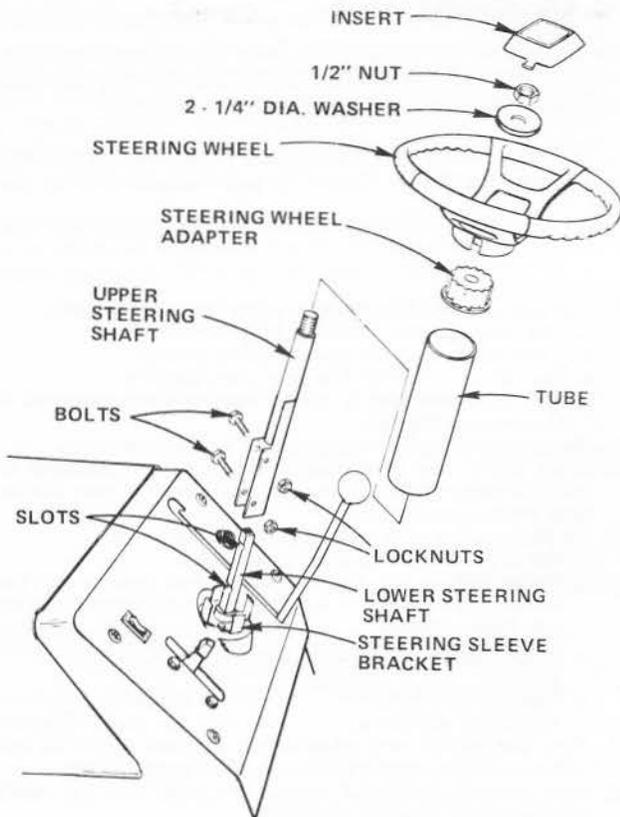


FIGURE 1

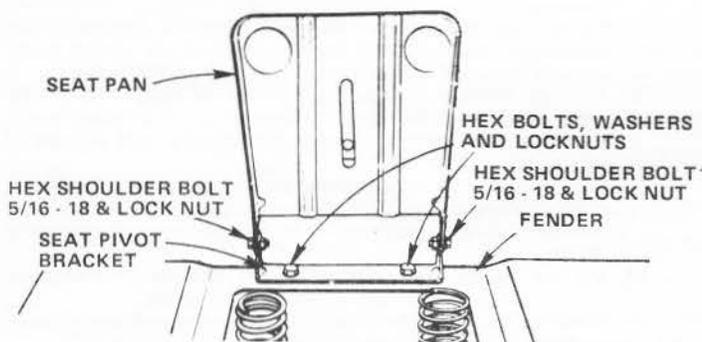


FIGURE 2

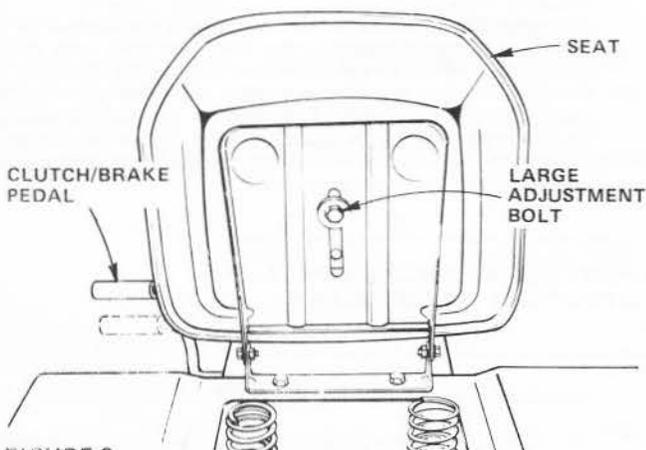


FIGURE 3

To assemble your Tractor you will need:

two 7/16" wrenches, two 9/16" wrenches, two 1/2" wrenches, a 3/4" wrench and a utility knife

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

## ASSEMBLY

1. Cut down carton at four corners, fold down carton. Remove Bag of Parts.
2. Slide Upper Steering Shaft over Lower Steering Shaft until 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 2 - 1/4" Dia. 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.

## SEAT INSTALLATION

1. Mount Seat Pivot Bracket to Fender using two Hex Bolts 3/8 - 16 x 3/4, two Washers 13/32 x 13/16 x 16 Ga. and two Crownlock Nuts 3/8 - 16 (Fig. 2). NOTE: WASHERS SHOULD BE POSITIONED UNDER FENDER NEXT TO NUTS. Seat Pivot Bracket, Bolts, Washers and Nuts found in Bag of Parts. Tighten Nuts securely.
2. Mount Seat Pan to Seat Pivot Bracket using two Shoulder Bolts 5/16 - 18 and two Lock Nuts 5/16 - 18 (Fig. 2) (head of Bolts to outside). Bolts and Lock Nuts found in Bag of Parts. Tighten Nuts securely.
3. Place Seat on Seat Pan. Screw Large Adjustment Bolt, Lockwasher and Flat Washer into Seat (Fig. 3). Adjustment Bolt, Lockwasher and Flat Washer found in Bag of Parts. Tighten finger tight.
4. 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.
5. Raise Seat. Use 3/4" wrench to loosen Adjustment Bolt (Fig. 3). When adjusted for comfortable operation, tighten Adjustment Bolt securely.

## BATTERY INSTALLATION

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



READ THE INSTRUCTIONS INCLUDED WITH THE BATTERY ACID CONTAINER. ALWAYS WEAR CLOTHING TO PROTECT YOUR HANDS AND EYES.

- a. Remove the vent caps from the battery. Fill each cell with acid. Add the acid until it reaches the bottom of the vent tube (Fig. 4). Do not add the acid beyond this level or the additional acid can come out when the battery is charged.



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

- b. Wait 20 to 30 minutes before installing the vent caps. If the level of acid falls below the point as described in step a, add more acid until the correct level is reached. Install the vent caps. Wash the top of the battery with water to remove any acid, then wipe dry.
- c. Neutralize excess battery acid for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.



**DO NOT SMOKE. FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.**

- d. Use a 12 volt battery charger. Charge battery at a rate of 2 amperes for 3 to 4 hours. Check the acid level after the battery is charged. If the acid has fallen below the correct level, add water.



**DO NOT SHORT BATTERY TERMINALS.**

**BEFORE INSTALLING BATTERY, REMOVE METAL BRACELETS, WRISTWATCH BANDS, RINGS, ETC. FROM YOUR PERSON.**

2. Position Battery in tractor as follows:
  - a. Lift Seat (Fig. 5).
  - b. Lower Battery into Fender Well with Battery Terminals toward front of tractor (Fig. 5). Make sure Battery rests in Battery Tray (Fig. 6).

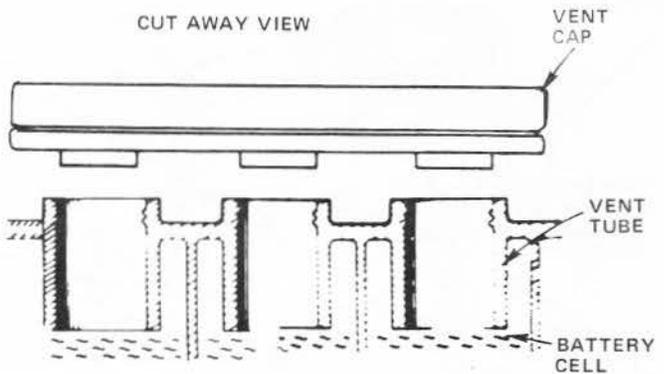
**NOTE: BE SURE BATTERY DRAIN TUBE IS SECURELY ATTACHED TO BATTERY TRAY DRAIN.**

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.

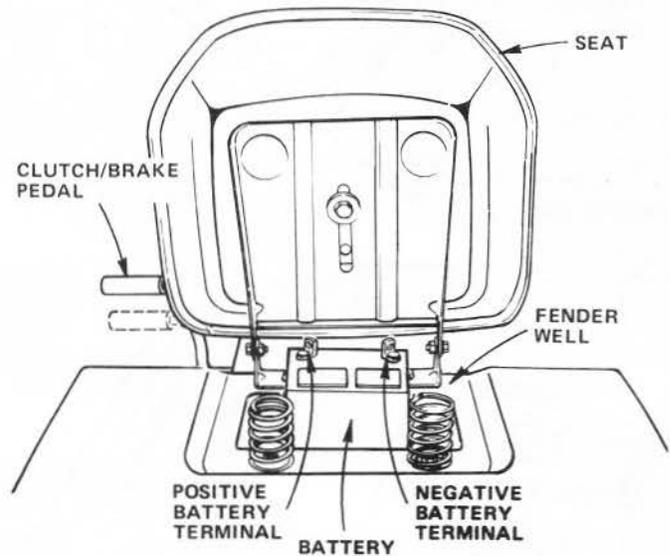


**POSITIVE TERMINAL MUST BE CONNECTED FIRST TO PREVENT SPARKS FROM ACCIDENTAL GROUNDING.**

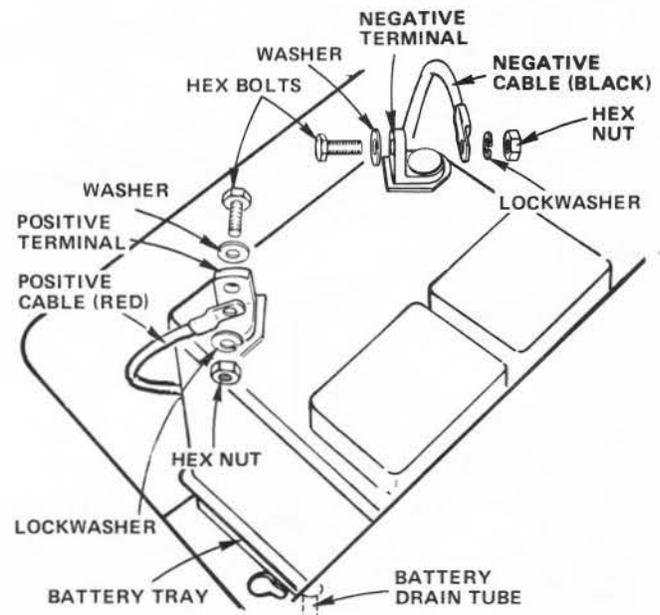
- a. Connect RED Battery Cable to Positive (+) Battery Terminal with Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 6). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 6). Tighten securely.



**FIGURE 4**



**FIGURE 5**



**FIGURE 6**

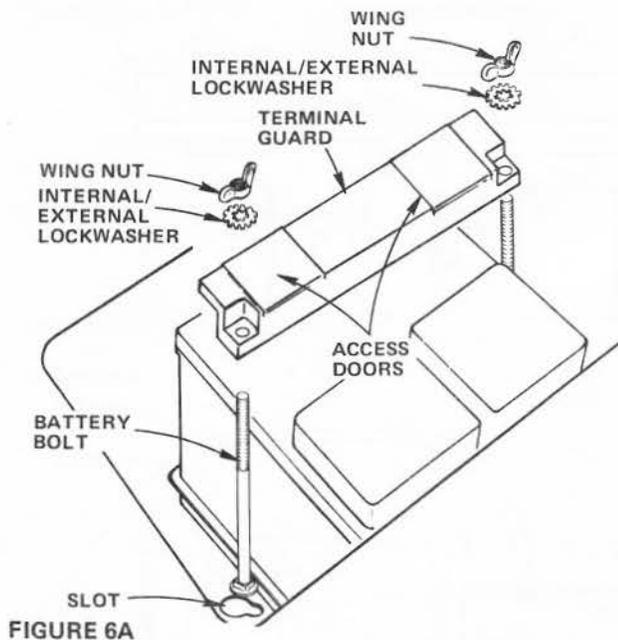


FIGURE 6A

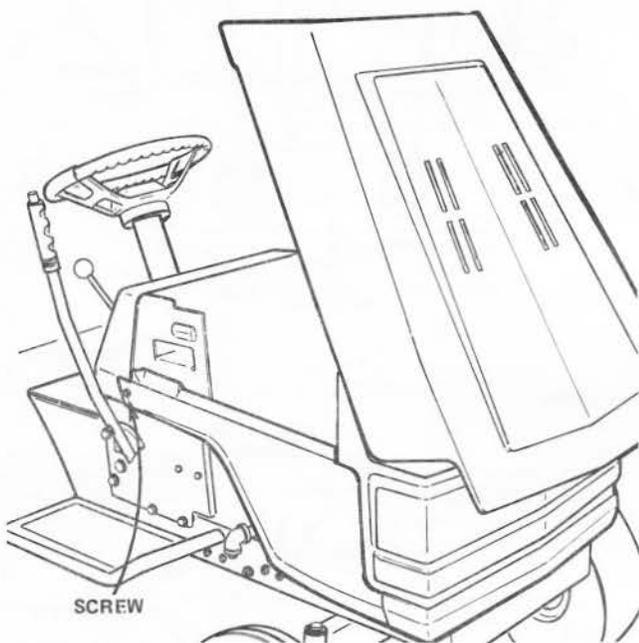


FIGURE 7

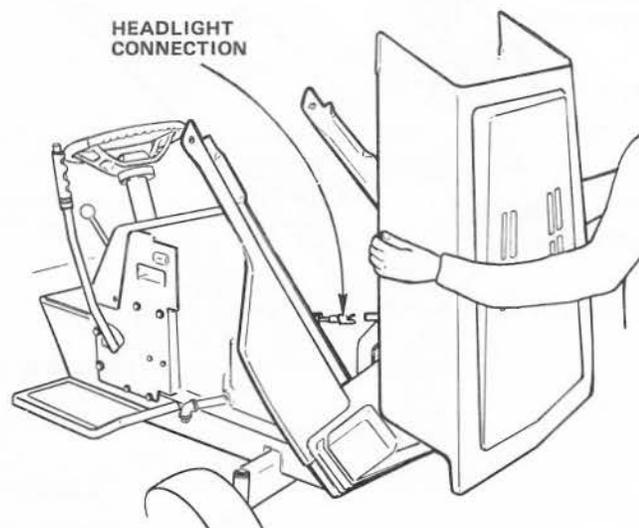
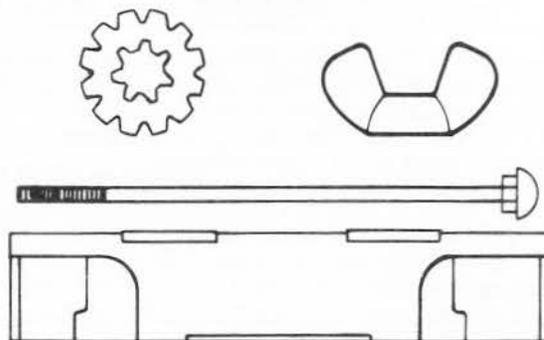


FIGURE 8

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. 6A) 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. 6A.
- 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. 6A).

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

## INITIAL ADJUSTMENTS

### 1. TIRE PRESSURE

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

### 2. HOOD

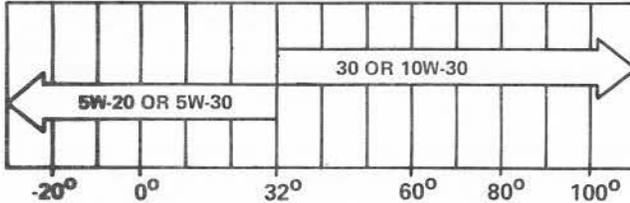
- a. To raise Hood, lift at rear of Hood.
- b. To remove Hood, Grill and Side Panels, raise Hood and loosen one screw on each Side Panel. (The screw remains in the Side Panel)(Fig. 7).
- c. Unsnap Headlight Connection (Fig. 8).
- d. Stand in front of Tractor. Grasp Hood and tilt forward and lift off (Fig. 8).
- e. 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 1 quart, 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.

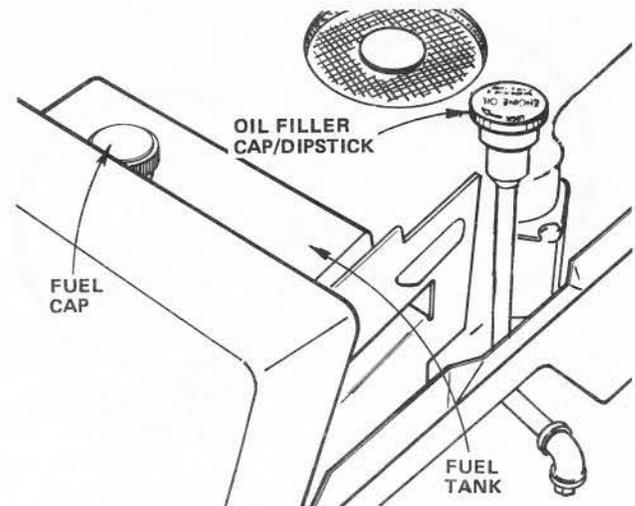
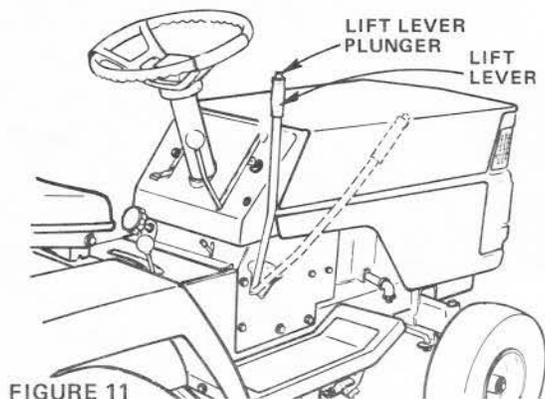
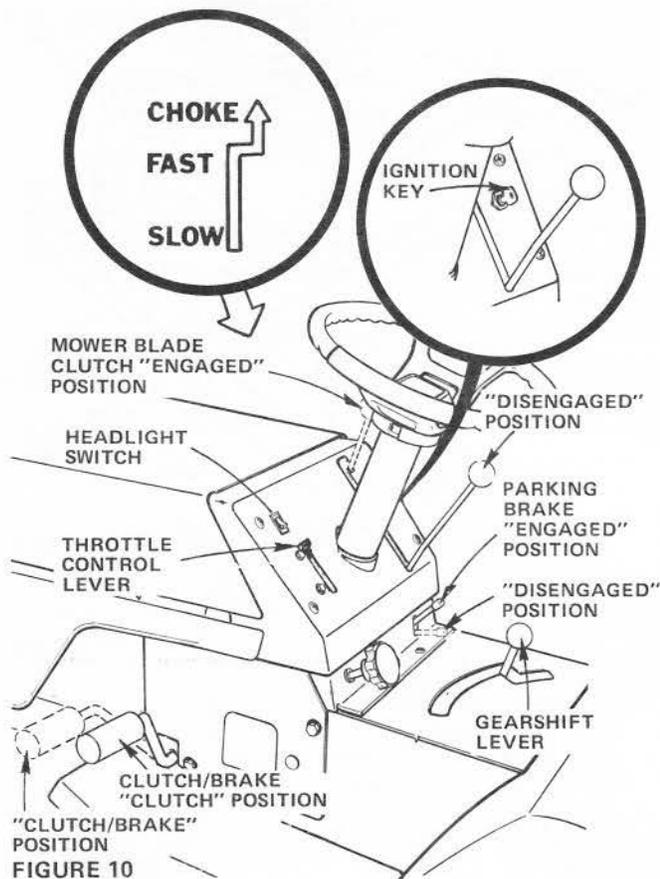


FIGURE 9



## 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 FOOT PEDAL IS NOT FULLY DEPRESSED. IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

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.



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 36" 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). NOTE: INSTALL RETAINER SPRING FROM THE BOTTOM OF CLUTCH ROD TO AVOID INTERFERENCE WITH MOWER DRIVE BELT.
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 its travel.

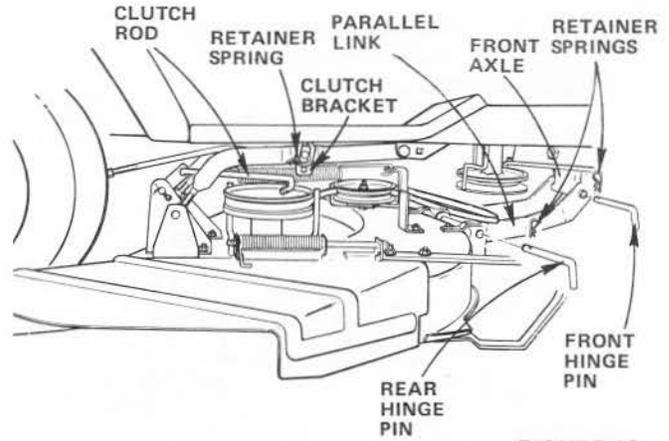


FIGURE 12

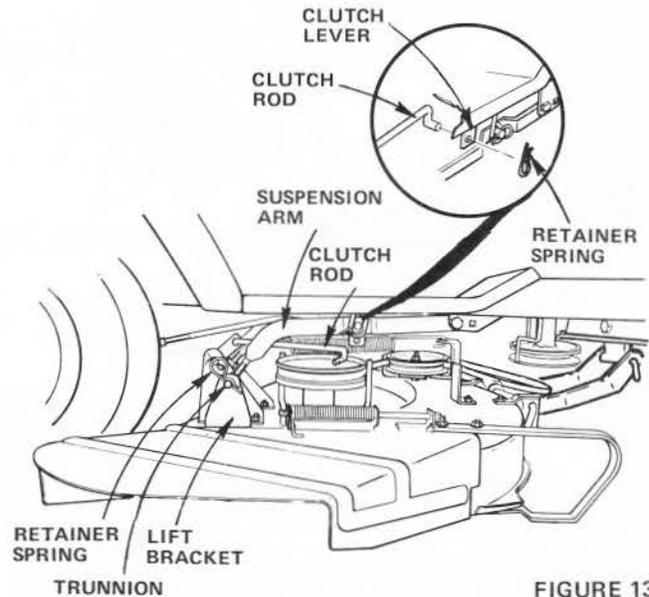


FIGURE 13

## 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. SHUT OFF THE ENGINE. PLACE MOWER BLADE CLUTCH LEVER IN "ENGAGED" 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.

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 (↺).

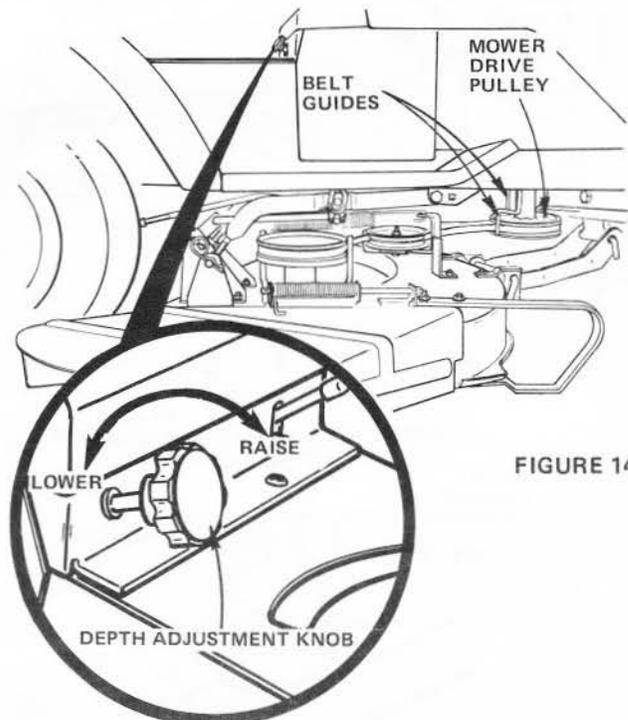


FIGURE 14

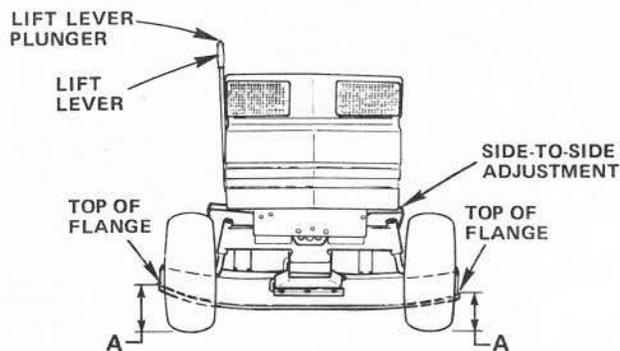


FIGURE 15

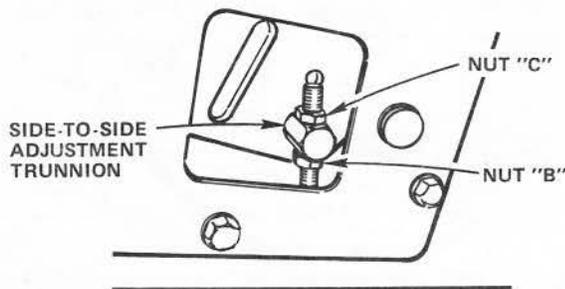


FIGURE 16

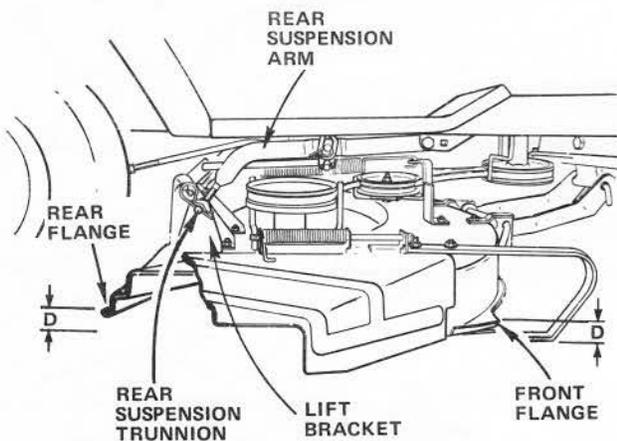


FIGURE 17

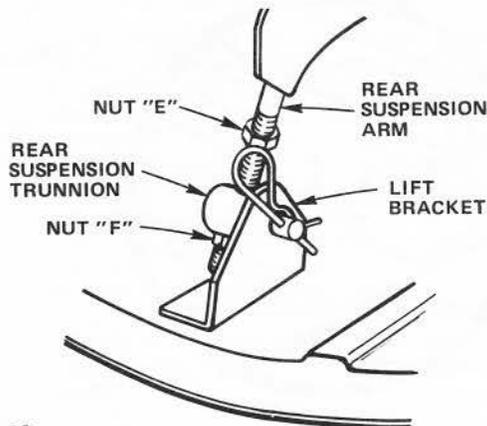


FIGURE 18

## 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 HAVE FOOT PEDAL DEPRESSED 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.

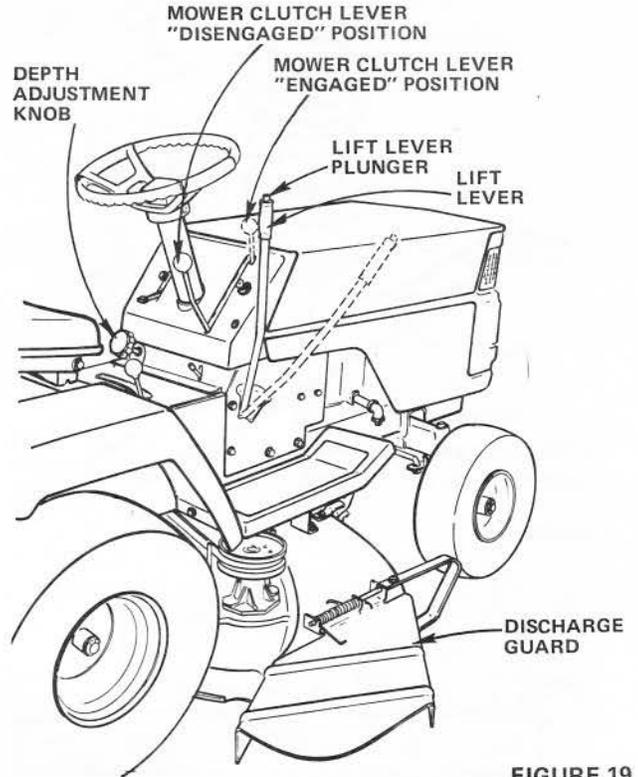


FIGURE 19

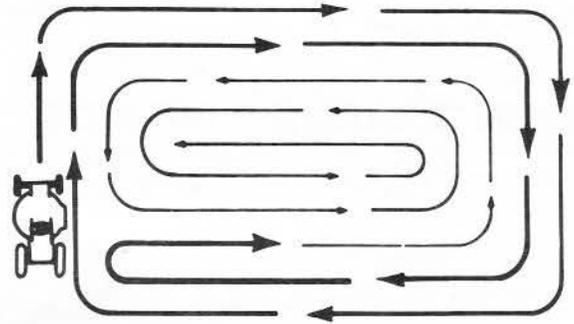


FIGURE 20

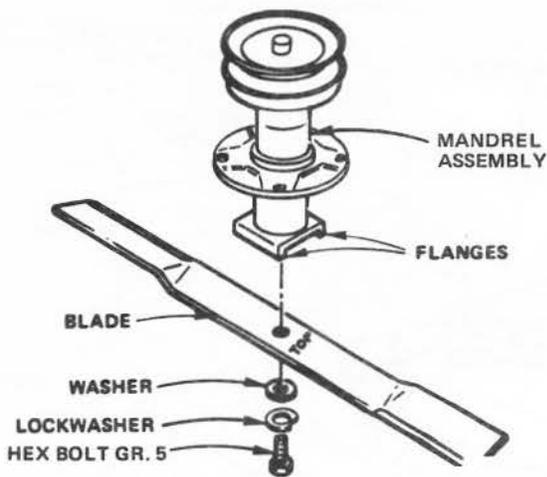


FIGURE 21

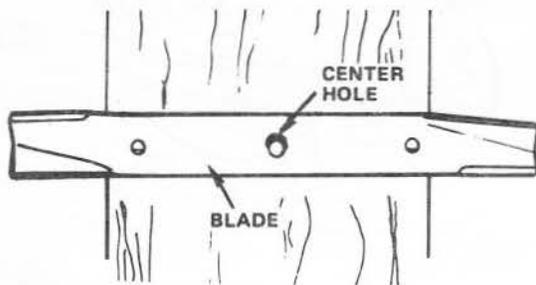


FIGURE 22

## 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. Move Gear Shift Lever to "1ST" Gear (Fig. 24).
4. Release Clutch-Brake Pedal SLOWLY to start forward movement.
5. 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. NEVER CHANGE GEARS WHILE TRACTOR IS MOVING.

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.

## 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 fully. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor movement.
3. Make all turns gradually.

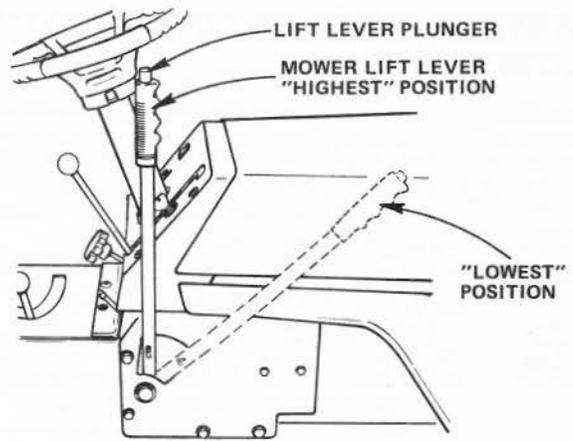


FIGURE 23

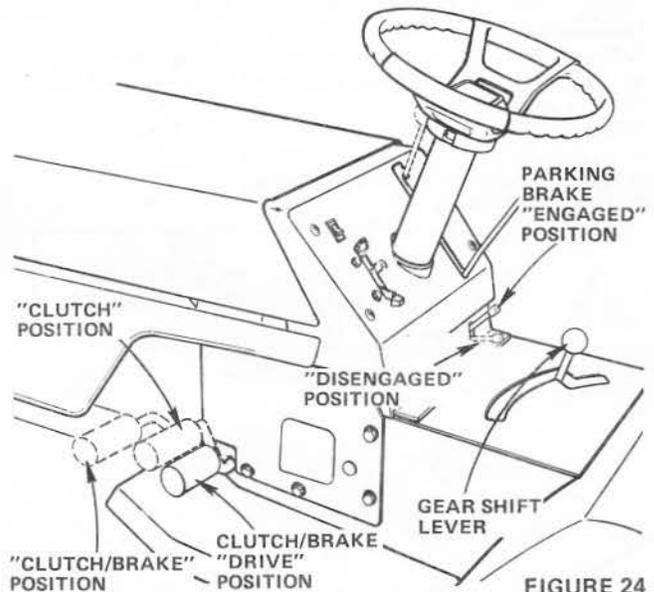


FIGURE 24

## 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.

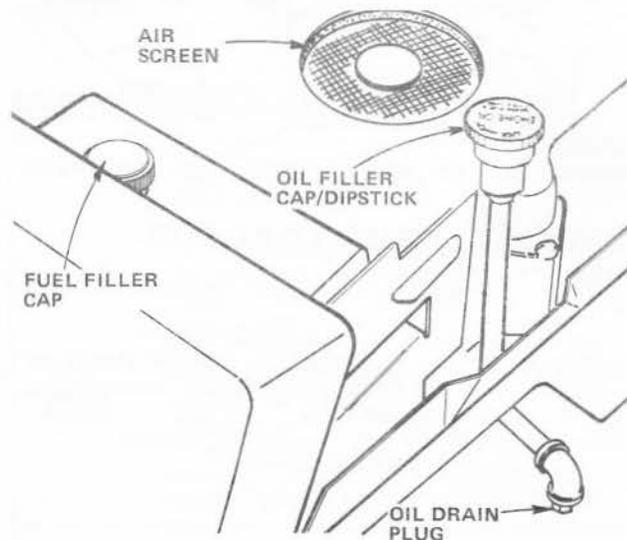


FIGURE 25

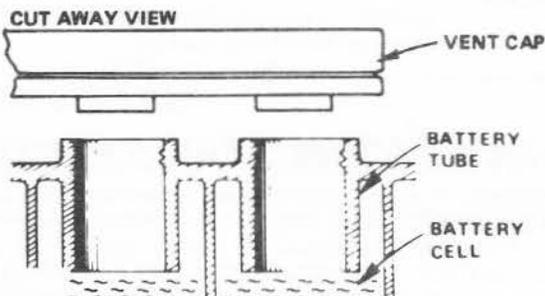


FIGURE 26

## 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 retainers 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. Unscrew Oil Drain Plug (Fig. 25) and remove Dipstick. Catch Oil in a suitable container. Replace Plug.
- 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 (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 AND GEAR SHIFT LEVER IN NEUTRAL WHILE MAKING ADJUSTMENT.
- Depress Clutch-Brake Pedal and engage Parking Brake.
- Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- If distance is other than 1 - 1/2", loosen Jam Nut (Fig. 27) and turn Nut "A" until distance becomes 1 - 1/2". Retighten Jam Nut against Nut "A".

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

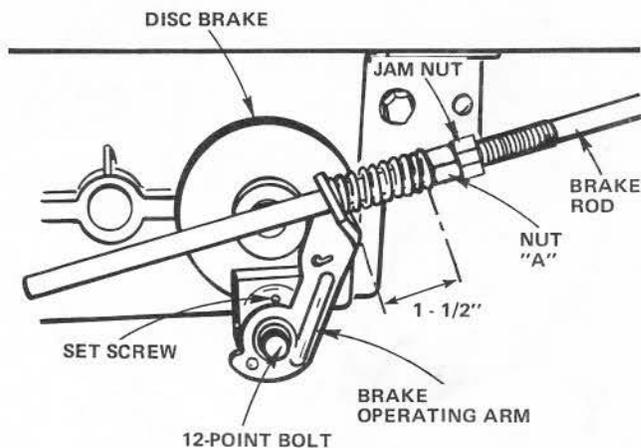


FIGURE 27

## 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. 28), 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.
- Snap off Air Cleaner Cover.
- Remove Foam Element from Air Cleaner Body.
- Wash Foam Element in liquid detergent and water to remove dirt.
- Wrap foam in cloth and squeeze dry.
- Saturate foam in engine oil. Squeeze to remove excess oil.
- Replace Foam Element and snap Cover on Air Cleaner Body.

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

### 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.

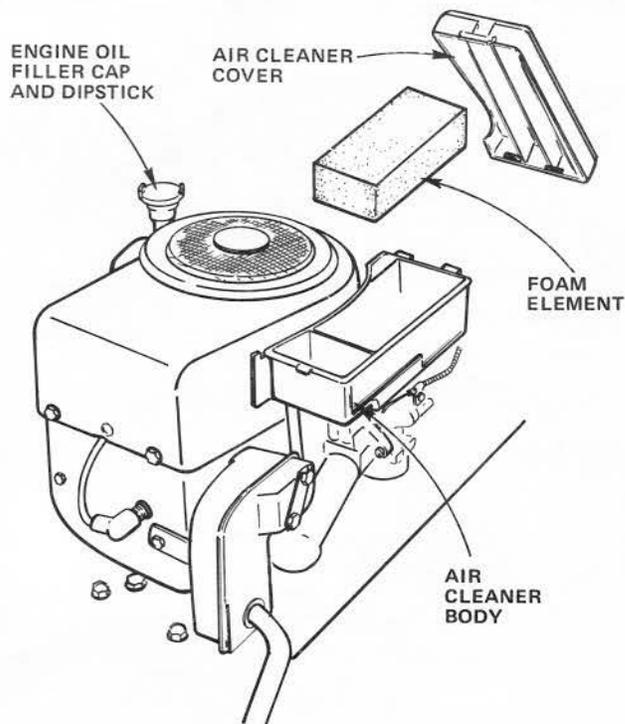


FIGURE 28

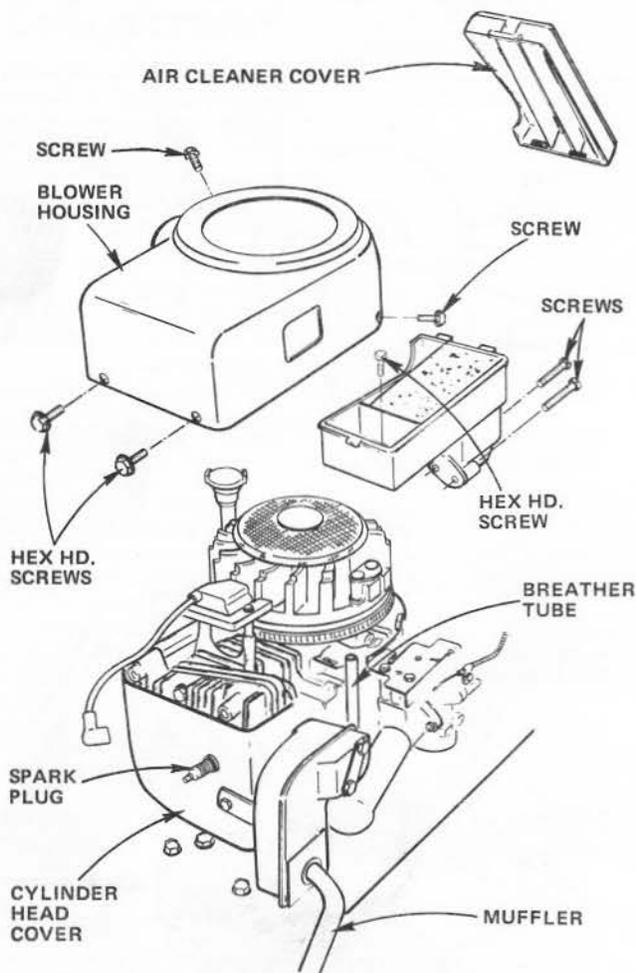


FIGURE 29

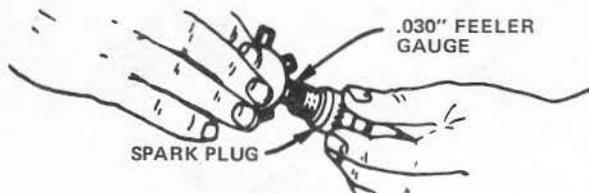


FIGURE 30

## 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. Snap Cover off Air Cleaner (Fig. 29). Remove Hex Head Screw from inside Air Cleaner. Remove two Slotted Head Screws from rear of Air Cleaner. Pull Air Cleaner off.
- b. Remove two Hex Head Screws from front of Blower Housing. Remove two Hex Head Screws from side of Blower Housing.
- c. Pull Blower Housing off.  
Cylinder Head Cover may also be removed. Clean Engine Cooling Fins with a stiff bristled brush or compressed air.



**WEAR SAFETY GLASSES IF USING COMPRESSED AIR.**

- d. To reassemble, reverse above procedure.

NOTE: PRESS BREATHER TUBE INTO BOTTOM OF AIR CLEANER (FIG. 29)

### 2. MUFFLER

Do not operate the tractor without a Muffler (Fig. 29) 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

### 1. CARBURETOR ADJUSTMENT

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

- a. Make sure Air Cleaner is clean (see page 15).
- b. With engine not running, place Throttle at "FAST" detent (not in "CHOKE" position).
- c. Check that hole in Throttle Lever and hole in Plate line up (Fig. 31 - Inset). If holes are not aligned, loosen Clamp Screw and move Throttle Cable until holes are aligned. Tighten Clamp Screw.
- d. Turn Mixture Screw clockwise (↻) LIGHTLY to seat. CAUTION: FORCING WILL CAUSE DAMAGE. Turn Mixture Screw counterclockwise (↺) one turn.
- e. Start engine and allow to idle for 5 minutes.
- f. Turn Mixture Screw clockwise (↻) until the engine speed drops. NOTE THE SCREW POSITION.
- g. Turn Mixture Screw counterclockwise (↺) until the engine begins to run rough. Set Mixture Screw between the two positions.
- h. Push Throttle Lever to "FAST" detent (not "CHOKE"). If engine "hunts" or runs rough, make small adjustments on Mixture Screw until engine runs smoothly.
- i. If engine idles too fast or too slow, adjust Idle with Idle Speed Stop Screw.
- j. High Speed Stop is factory adjusted. DO NOT ADJUST - DAMAGE MAY RESULT.

### 2. REPLACE FUEL FILTER

- a. Remove Clamps from fuel lines at front and rear of Fuel Filter (Fig. 31).
- b. Pull Fuel Filter out of fuel lines.
- c. Install new Fuel Filter with arrow pointing toward engine.
- d. Install new Fuel Line Clamps supplied with Fuel Filter.

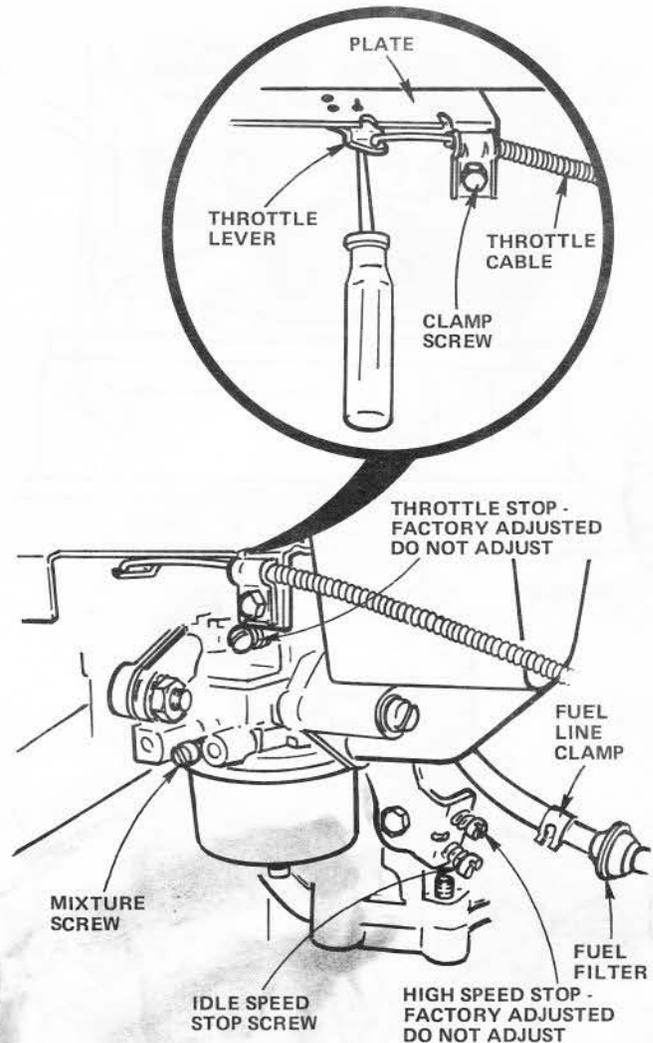


FIGURE 31

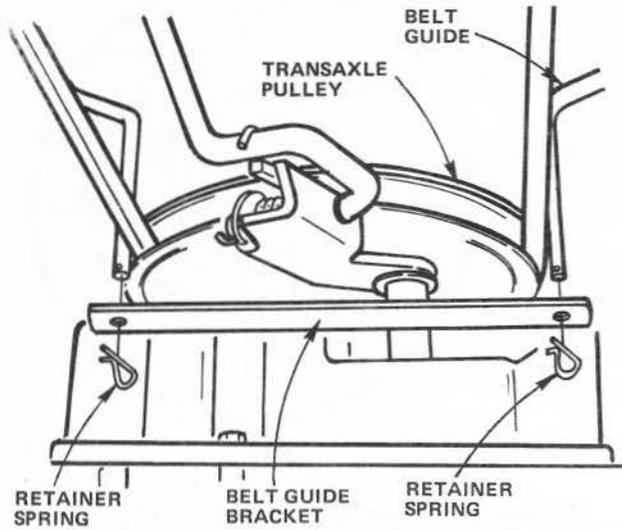


FIGURE 32

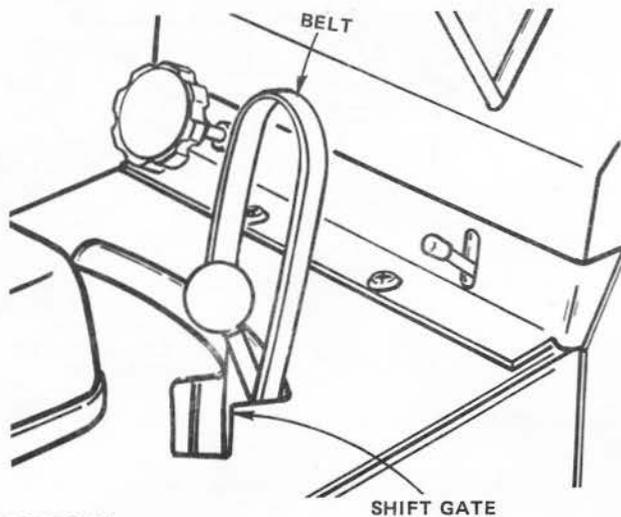


FIGURE 33

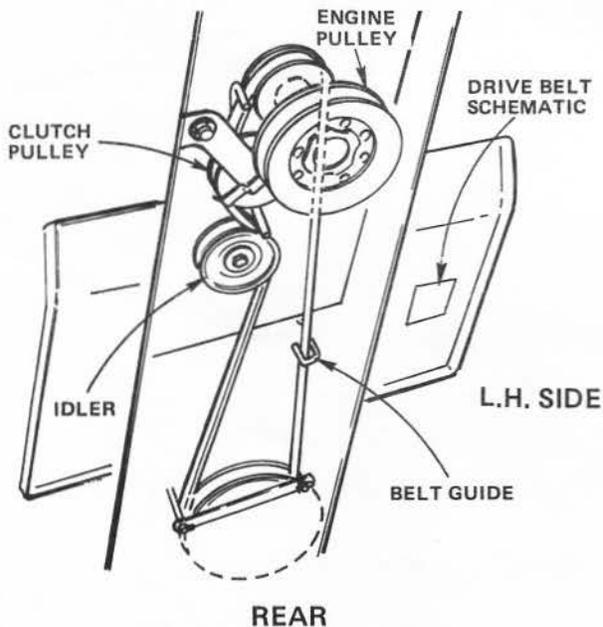


FIGURE 34

### 3. 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.**

### 4. 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.

## 5. 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.

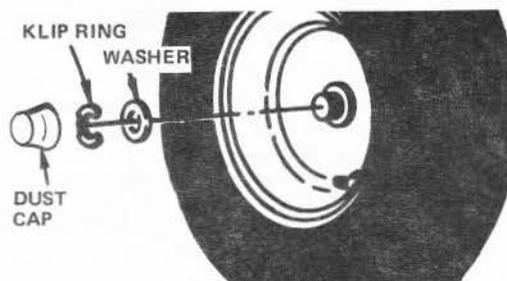


FIGURE 35



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

## 6. FINISH

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

## MOWER BELT ADJUSTMENT

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

If the Mower Clutch Lever (Fig. 37) travels 3 - 1/2" up the slot in the dash before spring tension resistance is evident, adjustment is necessary. NOTE: CHECK FOR PROPER SPRING TENSION WITH ENGINE OFF AND LIFT LEVER IN HIGHEST POSITION.

1. Remove mower deck from tractor.
2. Remove Cotter Pins from both sides of the Rock Shaft Assembly (Fig. 38).
3. Loosen the 4 Locknuts on the R.H. and L.H. Pivot Brackets (Fig. 38) only until Rock Shaft Assembly can be removed.
4. Remove Rock Shaft Assembly from R.H. and L.H. Pivot Brackets. NOTE: DO NOT DISASSEMBLE BRAKE ROD.
5. Remove Extension Spring from lower hole (original position) in Rock Shaft Assembly and insert in upper hole in Rock Shaft Assembly (Fig. 38 - Inset).
6. Replace Rock Shaft Assembly between R.H. and L.H. Pivot Brackets.
7. Tighten Locknuts securely making sure Carriage Bolts are seated in square holes of mower housing.
8. Replace Cotter Pins on both sides of Rock Shaft Assembly.

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

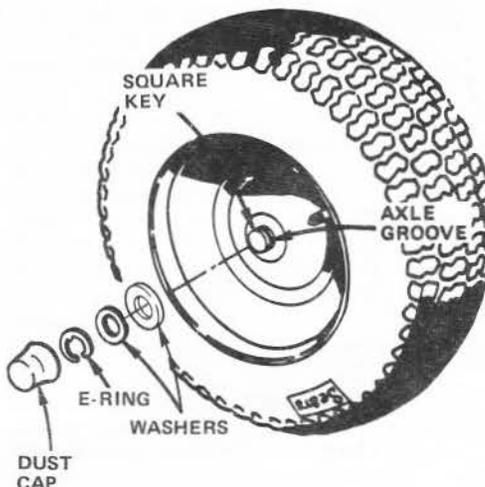


FIGURE 36

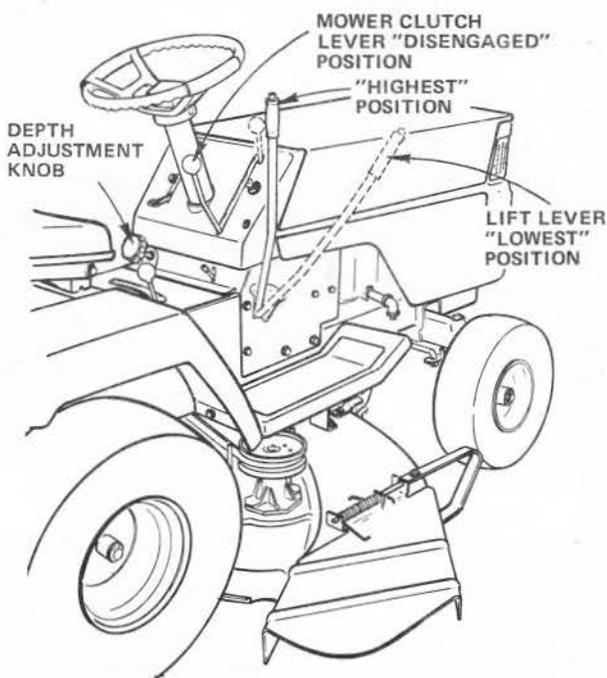


FIGURE 37

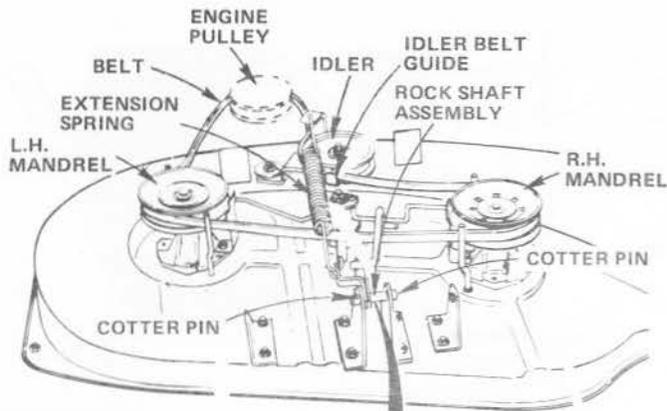


FIGURE 38

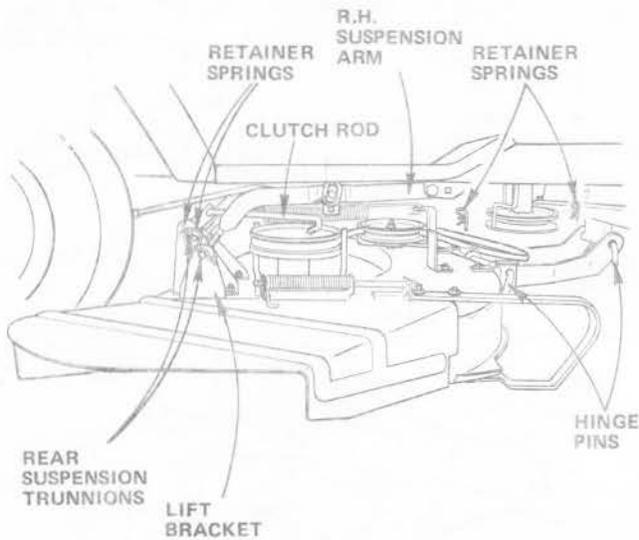
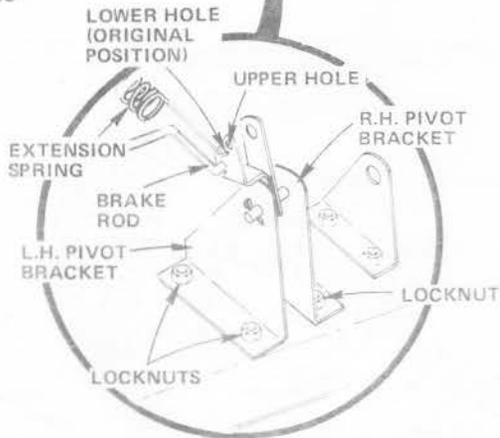


FIGURE 39

## 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 Extension Spring.

## TO REPLACE MOWER BELT

1. Slide Belt under Extension 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.

NOTE: IF AN ATTACHMENT OTHER THAN THE MOWER DECK IS TO BE MOUNTED ON THE TRACTOR, THE L.H. AND R.H. SUSPENSION ARMS (FIG. 39) SHOULD BE REMOVED FROM 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.

<b>TROUBLE SHOOTING</b>	
<b>POSSIBLE CAUSE</b>	<b>POSSIBLE REMEDY</b>
<b>WILL NOT START</b> Foot Pedal not depressed Mower Blade Clutch Lever engaged No gasoline in Fuel Tank, clogged Fuel Line, or Fuel Filter Blown Fuse Dead Battery	Depress Foot Pedal fully 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
<b>HARD TO START</b> 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)
<b>ENGINE MISSES OR LACKS POWER</b> 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
<b>ENGINE OVERHEATS</b> 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)
<b>NO LIGHTS</b> No Headlights with Light Switch on and Engine running	Check Fuse, Switch and wire connections. Replace Headlight Bulbs
<b>WON'T CHARGE</b> Blown Fuse Defective Battery Defective Diode Assembly Defective Alternator	Check for fault and replace Replace Replace Replace
<b>UNSATISFACTORY MOWER PERFORMANCE/UNEVEN DISTRIBUTION OF CLIPPINGS</b> 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 Belt slippage	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 Re-adjust mower drive belt (page 19)

## 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.

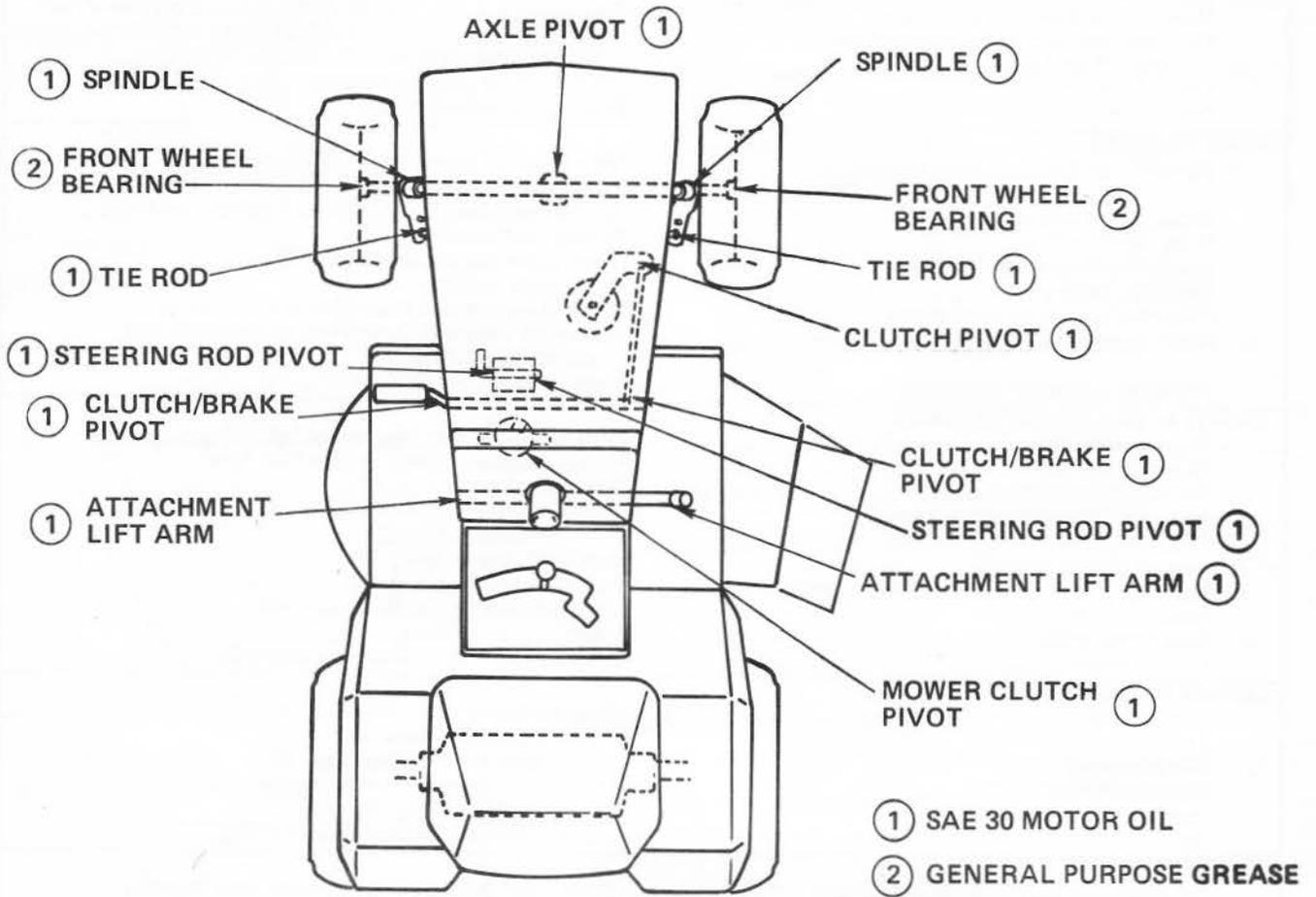
### 4. BATTERY

- 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

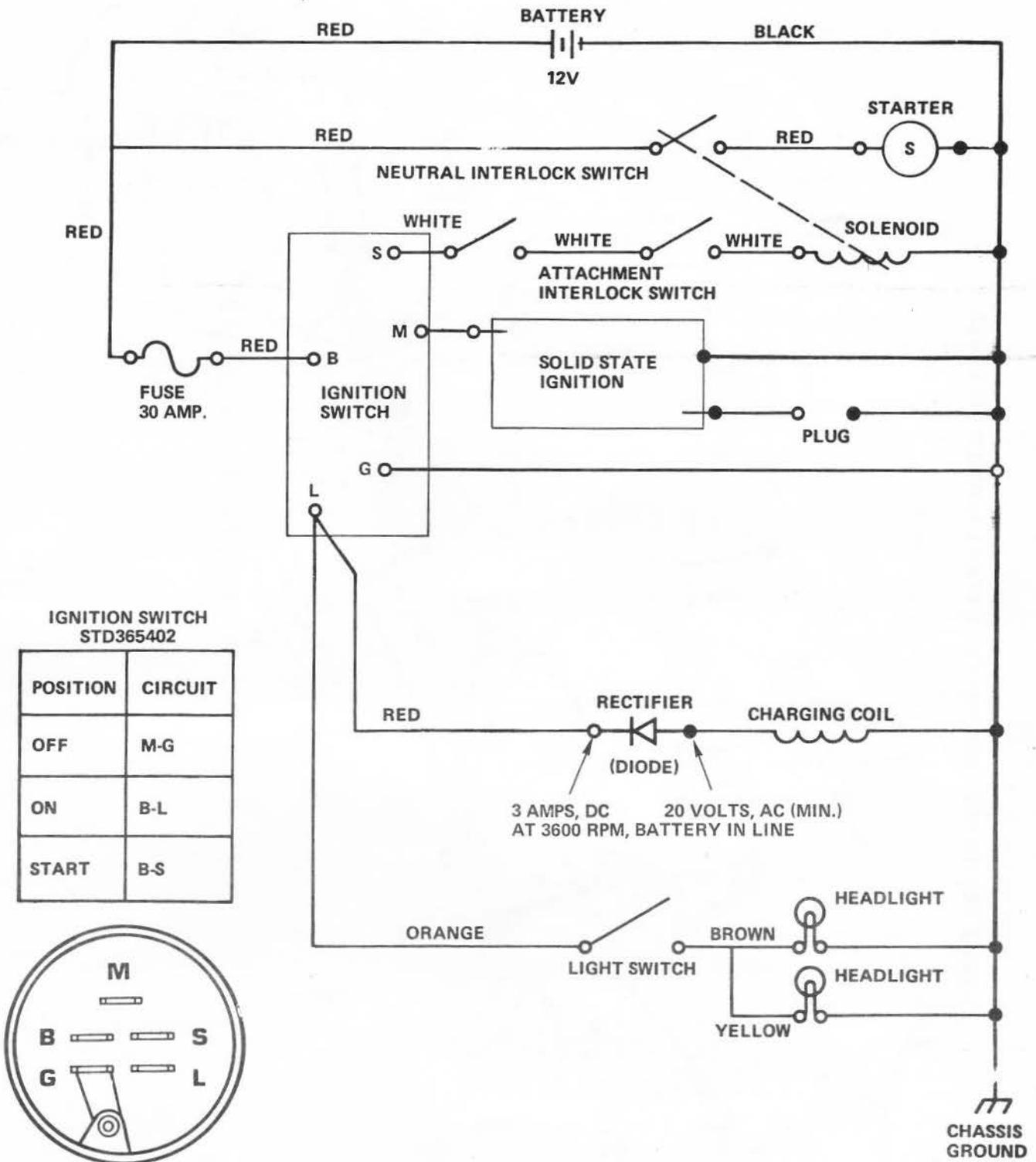
# LUBRICATION CHART



SERVICE RECORD FILL IN DATES AS YOU COMPLETE REGULAR SERVICE	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			✓			
Check Brake Operation	✓					
Clean Air Screen	✓					
Clean Air Cleaner Element			✓			
Replace Air Cleaner Element				✓		
Clean Engine Cooling Fins				✓		
Replace Spark Plug					✓	
Check Battery Level	✓					
Check Tire Pressure	✓					
Replace Fuel Filter					✓	

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

SCHEMATIC DIAGRAM

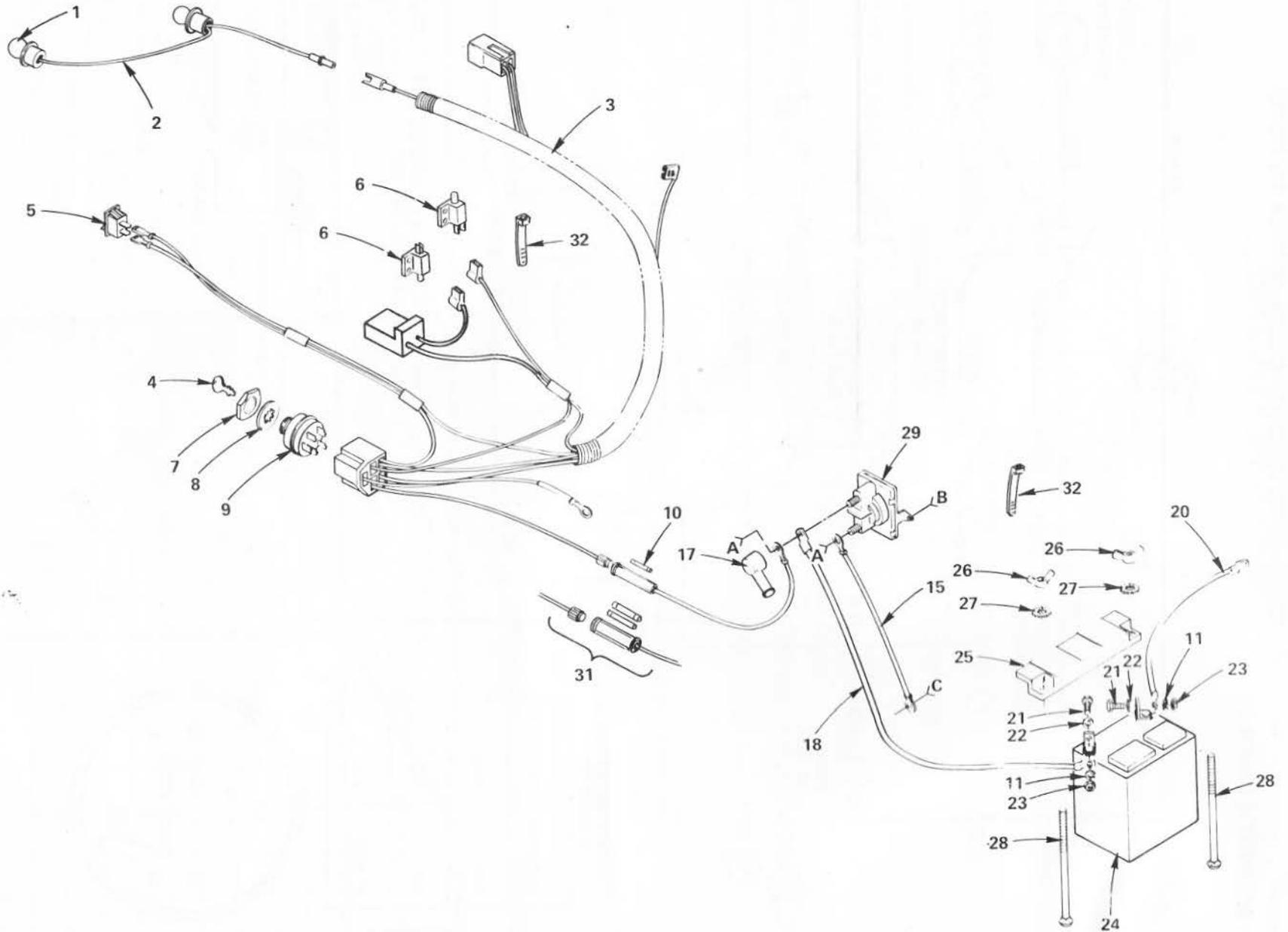


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# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

ELECTRICAL



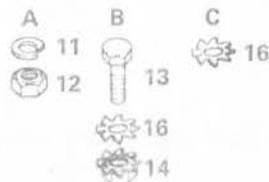
## REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

### 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	108379X	Harness, Ignition	20	2033J	Cable, Battery
4	105613X	Key Set	21	STD522507	*Bolt, Hex. 1/4 - 20 x 3/4
5	105381X	Switch, Light	22	STD551025	*Washer 9/32 x 5/8 x 16 Ga.
6	104445X	Switch, Interlock	23	STD541025	*Nut, Hex 1/4 - 20
7	3258J	Nut, Hex 5/8 - 32	24	104923X	Battery, 12V., Sears
8	11151000	Washer, Lock, Int. Tooth, 5/8	25	105371X	Terminal Guard
9	STD365402	Switch, Ignition	26	STD541625	*Wing Nut 1/4 - 20
10	STD380300	*Fuse, 30 Amp.	27	11030400	Int./Ext. Tooth Lockwasher 1/4
11	STD551125	*Washer, Lock, 1/4	28	72240460	Battery Bolt (Bolt - Carriage, Rd. Hd. Sq. Neck 1/4 - 20 x 7 - 1/2)
12	STD541225	*Nut, Hex Jam 1/4 - 20	29	2008J	Solenoid
13	STD522505	*Bolt, Hex, 1/4 - 20 x 1/2 Gr. 5	31	106580X	Kit, Replacement Fuseholder
14	73510400	Nut, Keps 1/4 - 20	32	7192J	Cable Tie
15	4560J	Cable Assembly	---	101539X	Sheet - Instruction, Tractor 15° Slope
16	11050400	Washer, Lock, Ext. Tooth, 1/4	---	108378X	Owners Manual

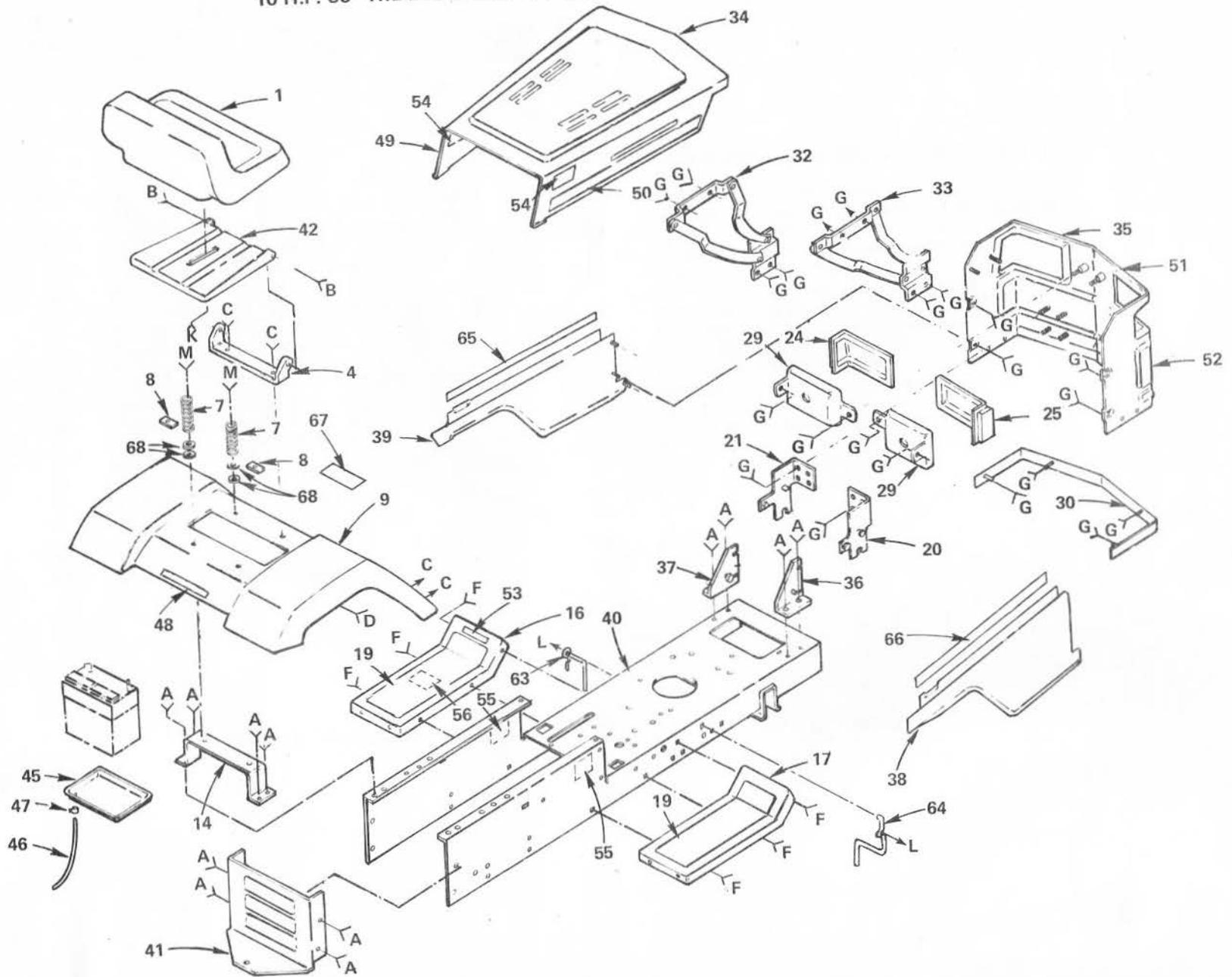
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## ENCLOSURE



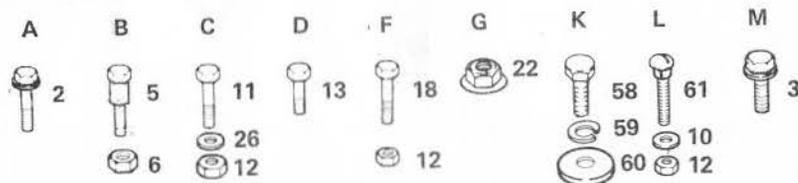
# REPAIR PARTS

## 10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

### ENCLOSURE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	105841X	Seat	33	105792X	Hinge, Hood, R.H.
2	17490612	Screw, Hex Washer Thd. Roll 3/8 - 16 x 3/4 Type TT	34	105682X	Hood Assembly
3	17490616	Screw, Hex Washer Thd. Rolling 3/8 - 16 x 1	35	105678X	Grill Assembly
4	105513X	Bracket - Pivot, Seat	36	108500X	Bracket, Frame, Pivot, R.H.
5	105529X	Bolt, Shoulder, 5/16 - 18	37	108501X	Bracket, Frame, Pivot, L.H.
6	73680500	Nut, Lock, 5/16 - 18	38	106927X	Side Panel, R.H.
7	105512X	Spring - Compression	39	106929X	Side Panel, L.H.
8	105514X	Clamp, Spring	40	108168X	Chassis Assembly
9	105274X	Fender	41	102481X	Drawbar
10	19131312	Washer 13/32 x 13/16 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	108504X	Bracket, Pivot, Grill, R.H.	53	4900J	Decal, Clutch/Brake
21	108505X	Bracket, Pivot, Grill, L.H.	54	105804X	Decal, 10 H.P.
22	108067X	Pal Nut 1/4 - 20	55	105808X	Decal, 4 Speed, 38"
24	108361X	Lens, L.H.	56	105813X	Decal, V-Belt Schematic
25	108360X	Lens, R.H.	58	74780812	Bolt, Hex 1/2 - 13 x 3/4
26	STD551037	*Washer 13/32 x 13/16 x 16 Ga.	59	10110800	Washer - Lock - Light 1/2
29	105268X	Bezel	60	19171912	Washer 17/32 x 1 - 3/16 x 12 Ga.
30	105685X	Strap Assembly, Grill	61	STD523710	*Bolt, Hex 3/8 - 16 x 1
32	105797X	Hinge, Hood, L.H.	63	106301X	Guide - Belt, Lower, Eng. Pulley, L.H.
			64	106300X	Guide - Belt, Lower, Eng. Pulley, R.H.
			65	106811X	Decal - Stripe, Side Panel, L.H.
			66	106812X	Decal - Stripe, Side Panel, R.H.
			67	106974X	Decal - Opei - Caution
			68	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.

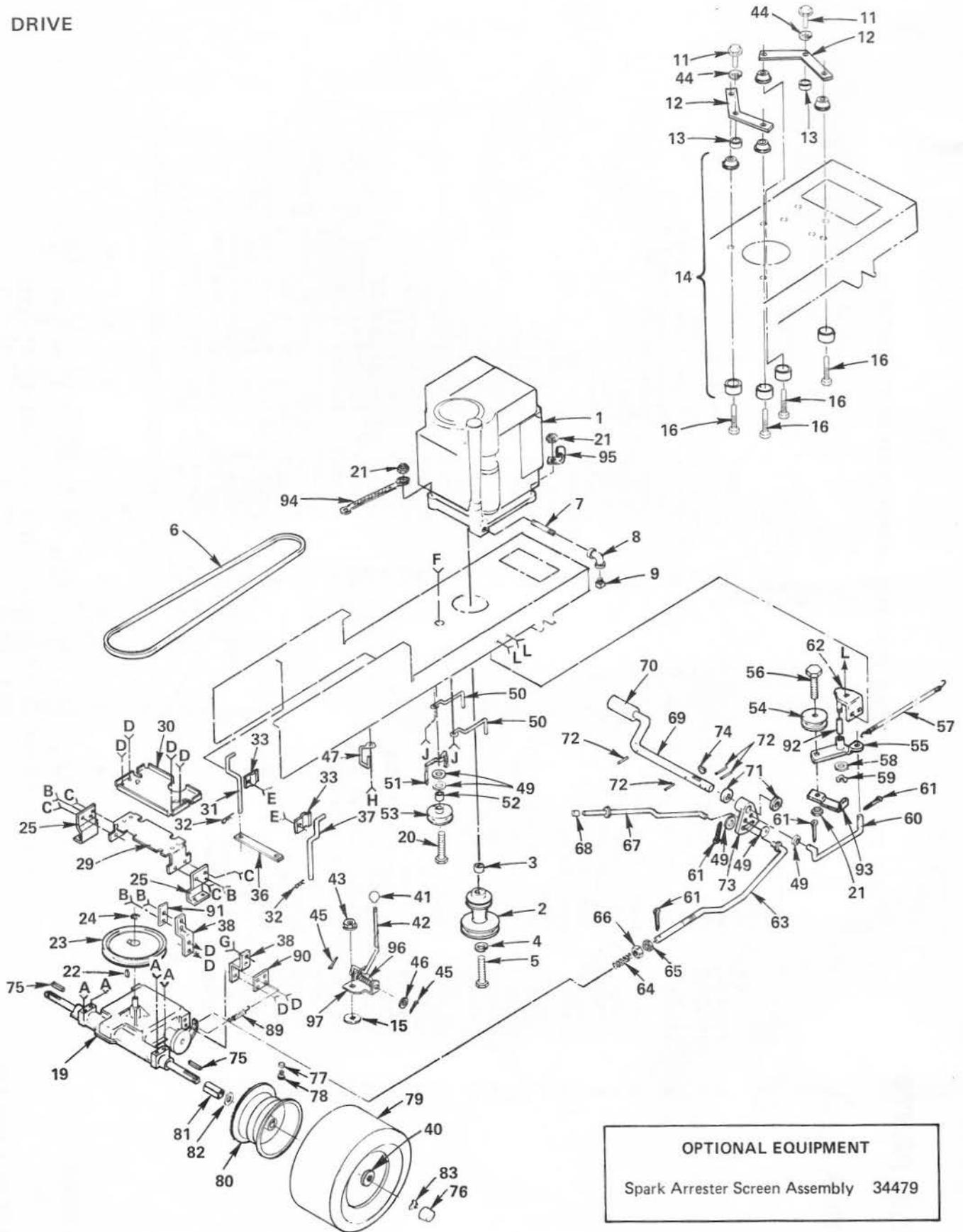
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## DRIVE



### OPTIONAL EQUIPMENT

Spark Arrester Screen Assembly 34479

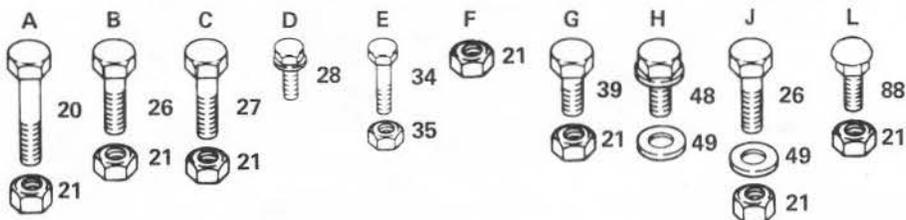
# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## DRIVE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	108730X	Engine, 10 H.P., Model No. 143.366062	48	17490612	Screw, Hex Washer Thd, Rolling 3/8 - 16 x 3/4
2	105731X	Pulley, Engine	49	19131312	Washer 13/32 x 13/16 x 12 Ga.
3	6404J	Spacer	50	105730X	Keeper, Belt, Engine
4	STD551143	*Washer, Lock, 7/16	51	106191X	Keeper, Belt
5	74770728	Bolt, Hex 7/16 - 20 x 1 - 3/4	52	4470J	Spacer
6	105732X	V-Belt, Drive	53	4859J	Idler, Flat
7	13280312	Nipple, Pipe	54	106298X	Pulley, Idler
8	13200300	Elbow, Std. 3/8 - 18 NPT	55	105705X	Bellcrank Assembly (Inc. Key No. 92)
9	31927	Plug, Pipe	56	STD523715	*Bolt, Hex 3/8 - 16 x 1 - 1/2
11	17490620	Screw, Hex Washer, 3/8 - 16 x 1 - 1/4	57	105709X	Spring, Return, Clutch
12	105640X	Strap, Torque, Engine	58	207J	Washer, Hardened
13	106342X	Spacer	59	12000039	Ring, Klip
14	105831X	Isomount Assembly	60	105710X	Link, Clutch
15	105701X	Washer - Shift, Plate	61	76020412	Pin, Cotter 1/8 x 3/4
16	17490640	Screw, Hex Washer, 3/8 - 16 x 2 - 1/2	62	105724X	Bracket, Clutch
19	108228X	Transaxle, 4 Speed, Model 4150-12 (See pages 36 and 37 for parts breakdown)	63	105752X	Rod, Brake
20	STD523727	*Bolt, Hex 3/8 - 16 x 2 - 3/4	64	106888X	Spring, Rod, Brake
21	73680600	Nut, Lock 3/8 - 16	65	73350600	Nut - Jam 3/8 - 16
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	106918X	Arm, Brake
30	105639X	Support, Battery	74	STD580025	*Key, Woodruff
31	106903X	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	106904X	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	83	12000001	E-Ring
40	19252516	Washer 25/32 x 1 - 9/16 x 16 Ga.	88	STD533707	*Bolt Carriage 3/8 - 16 x 3/4
41	106933X	Knob, Control	89	106319X	Spring - Ext.
42	105699X	Rod, Shifter	90	106320X	Bracket - Spring
43	73960500	Nut - Lock, Whiz 5/16 - 18	91	106157X	Plate - Strap, Torque
44	STD551137	*Washer - Lock 3/8	92	105706X	Bearing
45	STD561210	*Cotter Pin, 1/8 x 1	93	106499X	Retainer - Belt
46	19151216	Washer 15/32 x 3/4 x 16 Ga.	94	106299X	Strap - Ground
47	104777X	Retainer, Belt	95	2751R	Clip - Insulated
			96	105700X	Spring, Torsion
			97	106919X	Plate, Shift, Rod

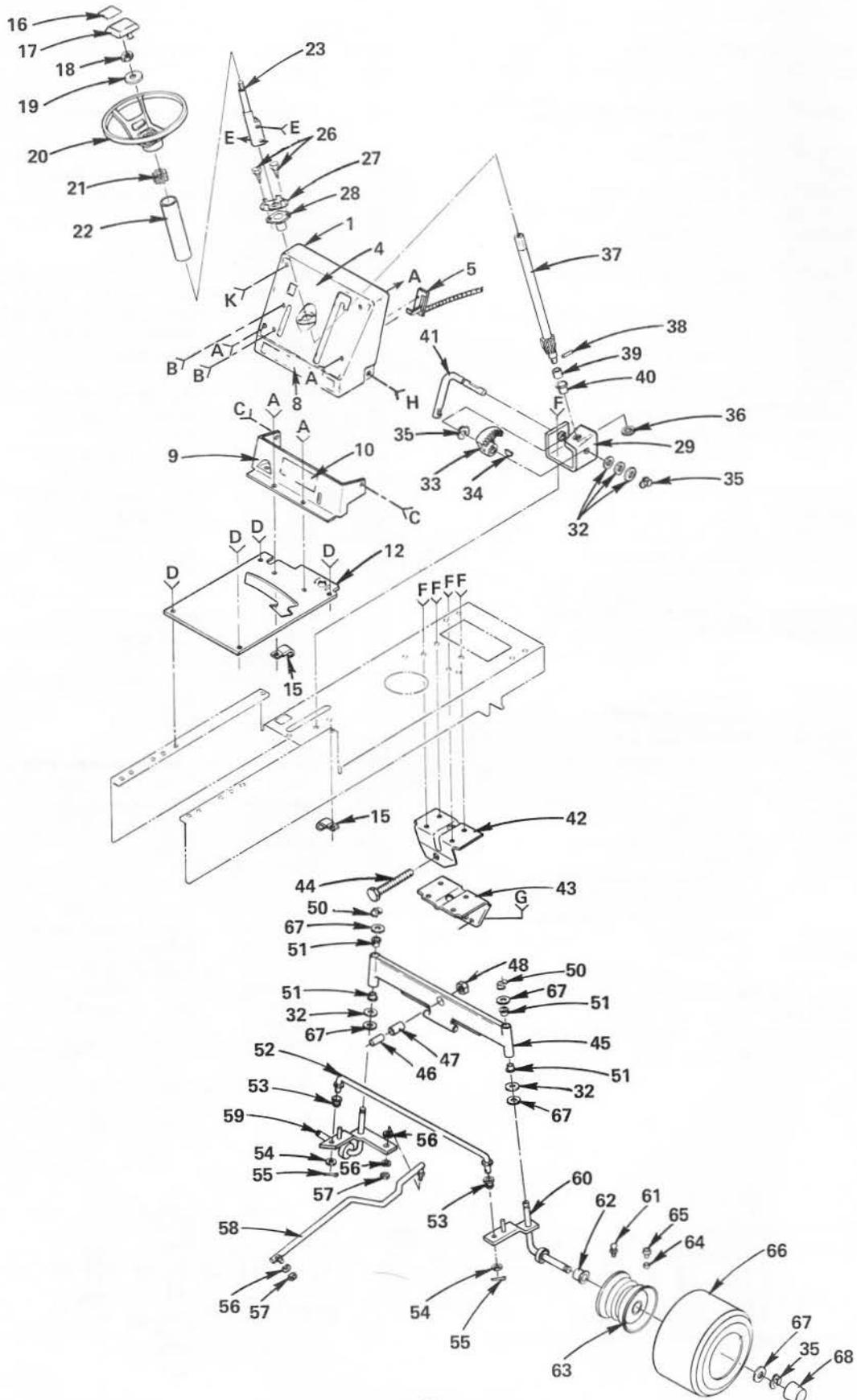
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## STEERING AND FRONT AXLE



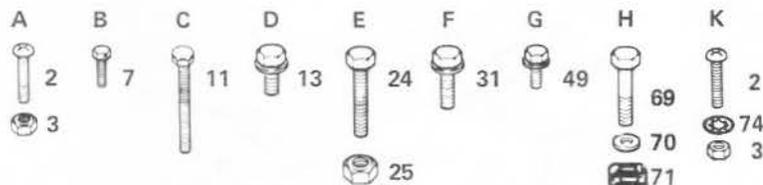
# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## 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	108593X	Control - Throttle Cable	40	71208	Bushing
7	17720408	Screw - Hex Thread Cut. 1/4 - 20 x 1/2	41	106127X	Rod - Steering
8	108456X	Decal - Dash Lower	42	105663X	Support - Saddle - Rear
9	105621X	Dash - Lower	43	105664X	Support - Saddle - Front
10	106199X	Decal - Caution	44	74761060	Bolt - Hex 5/8 - 11 x 3 - 3/4
11	17190508	Screw - Hex Washer Hd. Thread Cut. 5/16 - 18 x 1 - 1/2	45	105669X	Axle - Front
12	105742X	Saddle	46	105725X	Spacer - Axle
13	17490608	Screw - Hex Washer Hd. Thread Rolling 3/8 - 16 x 1/2	47	105726X	Bearing - Axle
15	2751R	Clip	48	73901000	Nut - Lock, Flange 5/8 - 11
16	105810X	Decal - Cap, Steering Wheel	49	17490508	Screw - Hex Washer Thread Rolling 5/16 - 18 x 1/2 Type TT
17	100710L	Insert - Steering Wheel	50	12000029	Klip Ring
18	STD541350	* Nut - Hex Jam 1/2 - 20	51	3366R	Bearing
19	100712K	Washer	52	105715X	Rod - Tie
20	100713N	Wheel - Steering	53	102792X	Bushing
21	100711L	Adapter - Steering Wheel	54	19131416	Washer 13/32 x 7/8 x 16 Ga.
22	105647X	Sleeve - Steering	55	STD561210	* Pin - Cotter 1/8 x 1
23	105643X	Shaft - Steering - Upper	56	STD551137	* Washer - Lock 3/8
24	STD523712	* Bolt - Hex 3/8 - 16 x 1 - 1/4	57	STD541137	* Nut - Hex 3/8 - 24
25	73680600	Nut - Lock 3/8 - 16	58	105727X	Link - Drag
26	17431008	Screw - Hex Self Tap. No. 10 - 16 x 1/2	59	105656X	Spindle - L.H.
27	105646X	Bracket - Sleeve, Steering	60	105654X	Spindle - R.H.
28	1554J	Bushing - Steering	61	278H	Fitting - Grease
29	102531X	Bracket - Steering	62	9040H	Bearing - Flange
31	17490612	Screw - Hex Washer Thread Rolling 3/8 - 16 x 3/4 Type TT	63	106732X	Rim - 6" - Front
32	6266H	Bearing - Thrust	64	59192	Cap - Valve
33	4301J	Gear - Sector	65	65139	Stem - Valve
34	106126X	Key - Woodruff	66	106217X	Tire - Rib 15 x 6.00 - 6
35	12000029	Klip Ring	---	59904	Tube - Front (not furnished with tractor)
			67	19252016	Washer 25/32 x 1 - 1/4 x 16 Ga.
			68	104757X	Cap - Hub - Front
			69	106909X	Screw - Special
			70	106910X	Washer
			71	106911X	Clip - U
			74	11150500	Washer, Lock, Int. Tooth, 5/16

\*STANDARD HARDWARE--PURCHASE LOCALLY

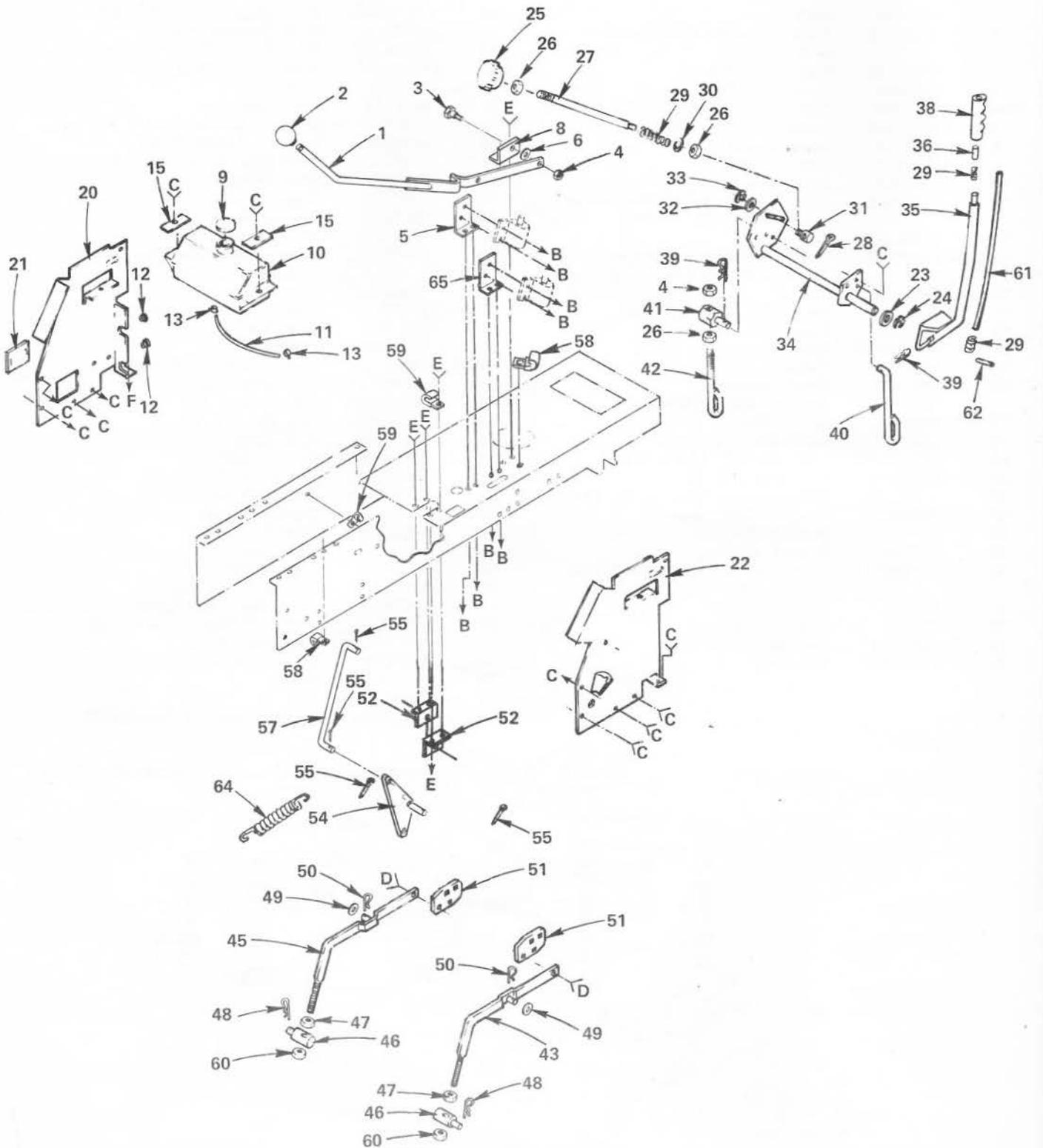


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# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## LIFT ADJUSTMENT



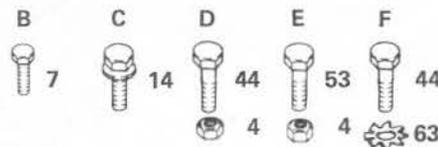
# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

## LIFT ADJUSTMENT

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106448X	Lever, Clutch, Mower	29	2876H	Spring
2	106932X	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	2316J	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	106901X	Clamp - Tank, Fuel	44	105848X	Bolt, Shoulder, 3/8 - 16
20	106920X	Panel, Dash, L.H.	45	105863X	Arm, Suspension, L.H.
21	105505X	Cover, Access	46	106308X	Trunnion, Lift, Lower
22	106921X	Panel, Dash, R.H.	47	STD541250	*Nut - Hex Fin. 1/2 - 13
23	19292016	Washer 29/32 x 1 - 1/4 x 16 Ga.	48	9135R	Retainer, Spring
24	12000029	Klip Ring	49	19171616	Washer 17/32 x 1 x 16 Ga.
25	100734K	Knob	50	4921H	Retainer, Spring
26	STD541237	*Nut, Hex Jam 3/8 - 16	51	105864X	Bracket, Suspension
27	105686X	Rod, Adjust, Lift	52	106444X	Bracket, Bellcrank
28	76020308	Pin, Cotter 3/32 x 1/2	53	STD523707	*Bolt, Hex 3/8 - 16 x 3/4
			54	106441X	Bellcrank Assembly
			55	76020412	Pin, Cotter, 1/8 x 3/4
			57	106446X	Rod, Clutch, Primary
			58	2751R	Clip, Fuel Line
			59	5320R	Clip
			60	73680800	Locknut 1/2 - 13
			61	105764X	Rod Assembly - Lever, Lift
			62	105767X	Pin - Groove
			63	11050600	Lockwasher 3/8 Ext. Tooth
			64	106810X	Spring - Extension
			65	108236X	Bracket - Switch

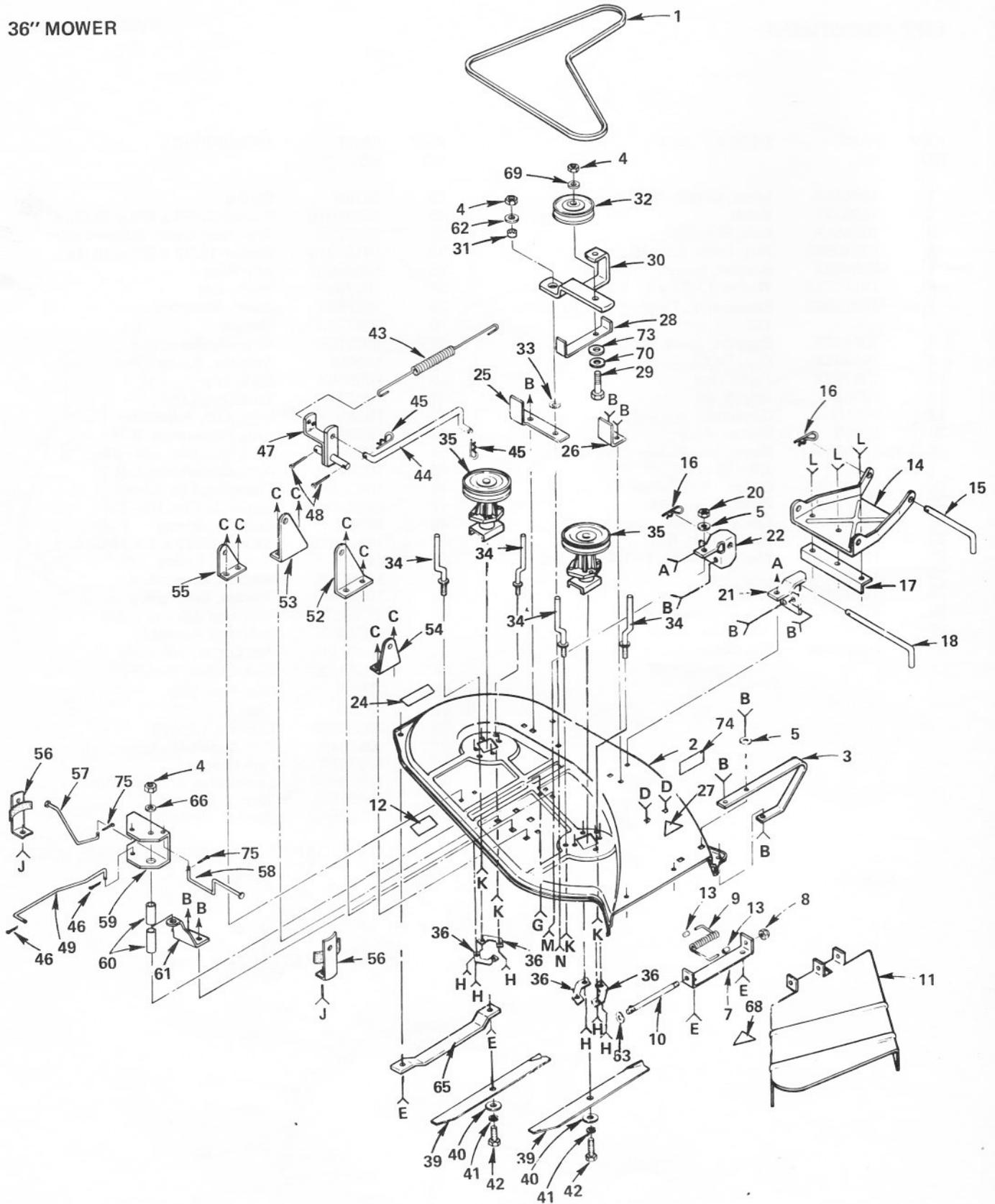
\*STANDARD HARDWARE--PURCHASE LOCALLY



# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

36" MOWER



another free manual from [www.searstractormanuals.com](http://www.searstractormanuals.com)

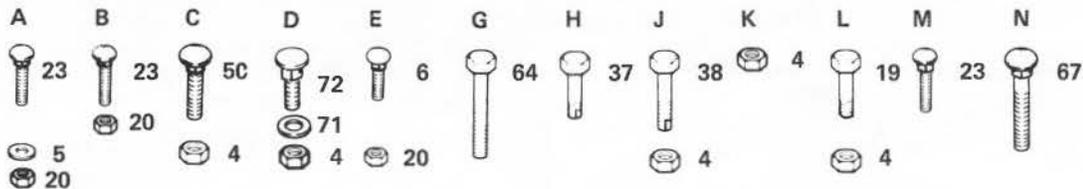
# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723

36" MOWER

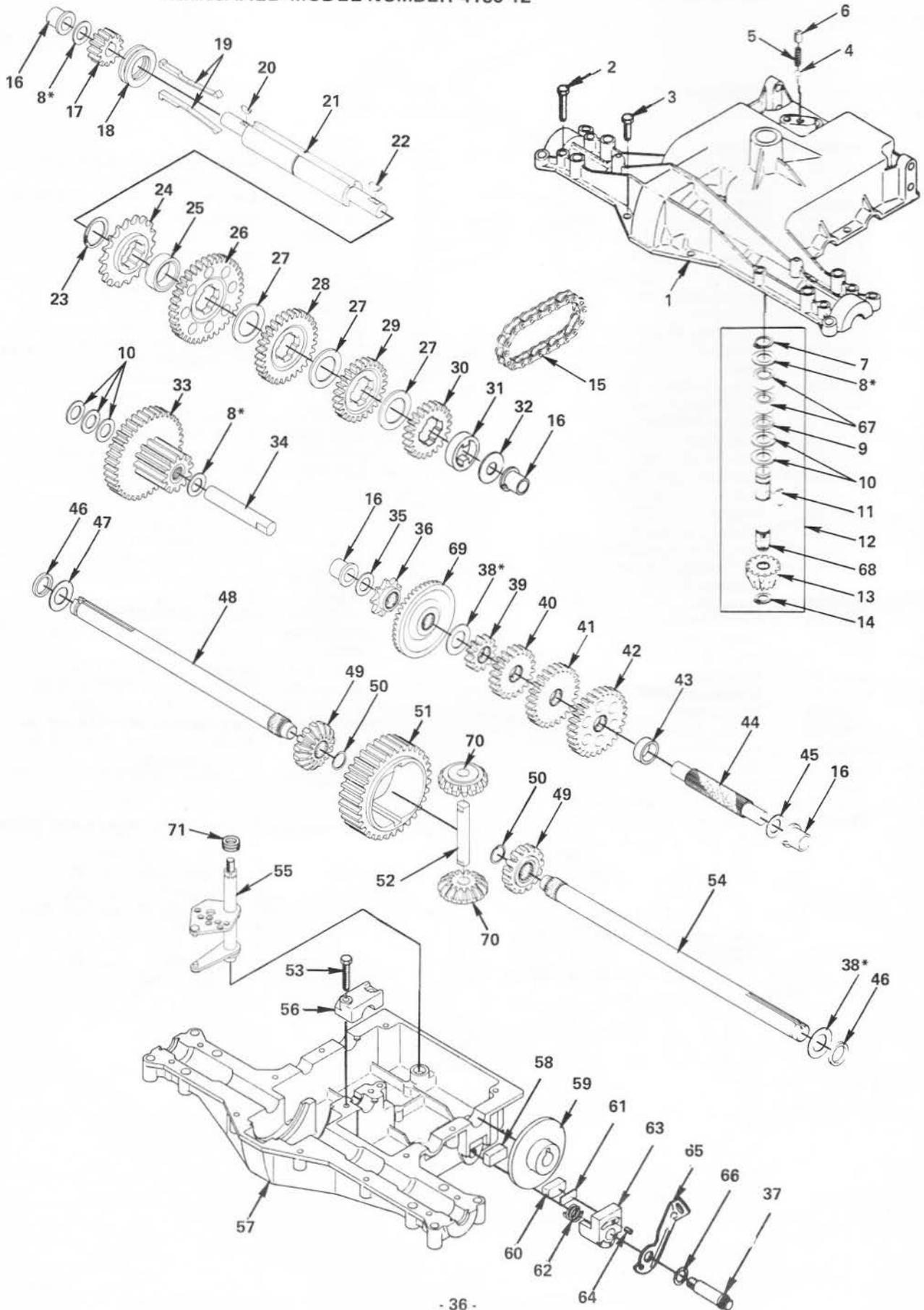
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	106085X	V-Belt	39	106634X	Blade, 36"
2	105689X	Housing	40	19132012	Washer 13/32 x 1 - 1/4 x 12 Ga.
3	8417J	Runner, R.H.	41	STD551137	*Washer, Lock, 3/8"
4	73680600	Nut, Lock, 3/8 - 16	42	STD632715	*Bolt, Hex, 3/8 - 24 x 1 - 1/2 Gr. 5
5	19111216	Washer, 11/32 x 3/4 x 16 Ga.	43	108250X	Spring, Ext.
6	72140505	Bolt, Carr., 5/16 - 18 x 5/8	44	108235X	Rod - Clutch, Mower
7	105896X	Bracket, Deflector	45	4921H	Spring - Retainer
8	5846R	Nut	46	STD560907	*Pin, Cotter 3/32 x 3/4
9	106734X	Spring, Deflector	47	108068X	Rock Shaft Assembly
10	106735X	Rod - Hinge	48	76020616	Pin, Cotter, 3/16 x 1
11	106755X	Deflector - Shield	49	108247X	Rod, Brake, Primary
12	105814X	Decal	50	STD533707	*Bolt, Carr. 3/8 - 16 x 3/4
13	105304X	Cap	52	108243X	Bracket, Pivot, R.H.
14	105662X	Link, Parallel	53	108241X	Bracket, Pivot, L.H.
15	105744X	Pin - Hinge, Front	54	105857X	Bracket, Susp., Rear, R.H.
16	3146R	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	108249X	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	74760684	Bolt, 3/8 - 16 x 5 - 1/4
26	105850X	Stop, Deck, Front	65	7631J	Runner, L.H.
27	106975X	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	106902X	Spacer - Retainer	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	75	76020308	Pin, Cotter, 3/32 x 1/2
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

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
TRANSAXLE--MODEL NUMBER 4150-12



another free manual from [www.searstractormanuals.com](http://www.searstractormanuals.com)

# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
TRANSAXLE--MODEL NUMBER 4150-12

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	108239X	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	105937X	Gear, Spur, 31T, High - Drive
11	2257J	Key, Woodruff, No. 9	43	105936X	Spacer
12	106094X	Assembly, Kit, Input Shaft (Inc. Key No's. 7, 8, 9, 11, 13, 14, 68 & 2 each Key No's. 10 & 67)	44	105938X	Shaft, Drive, Splined
13	106095X	Pinion, Bevel, 14T	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	106591X	Gear, Miter, 15T
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	108763X	Ass'y., Shifter & Seal (Inc. Key No. 71)
24	105917X	Sprocket, 18T, Rev. 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	108455X	Gear, Spur, 19T, 4th - Clutch	62	2280J	Spring, Compression
31	105923X	Spacer	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	67	106782X	Bearing, Needle
			68	-----	+Input Shaft
			69	106605X	Gear, Bevel, 42T
			70	106592X	Gear, Miter, 15T
			71	108727X	Seal - Shift Shaft

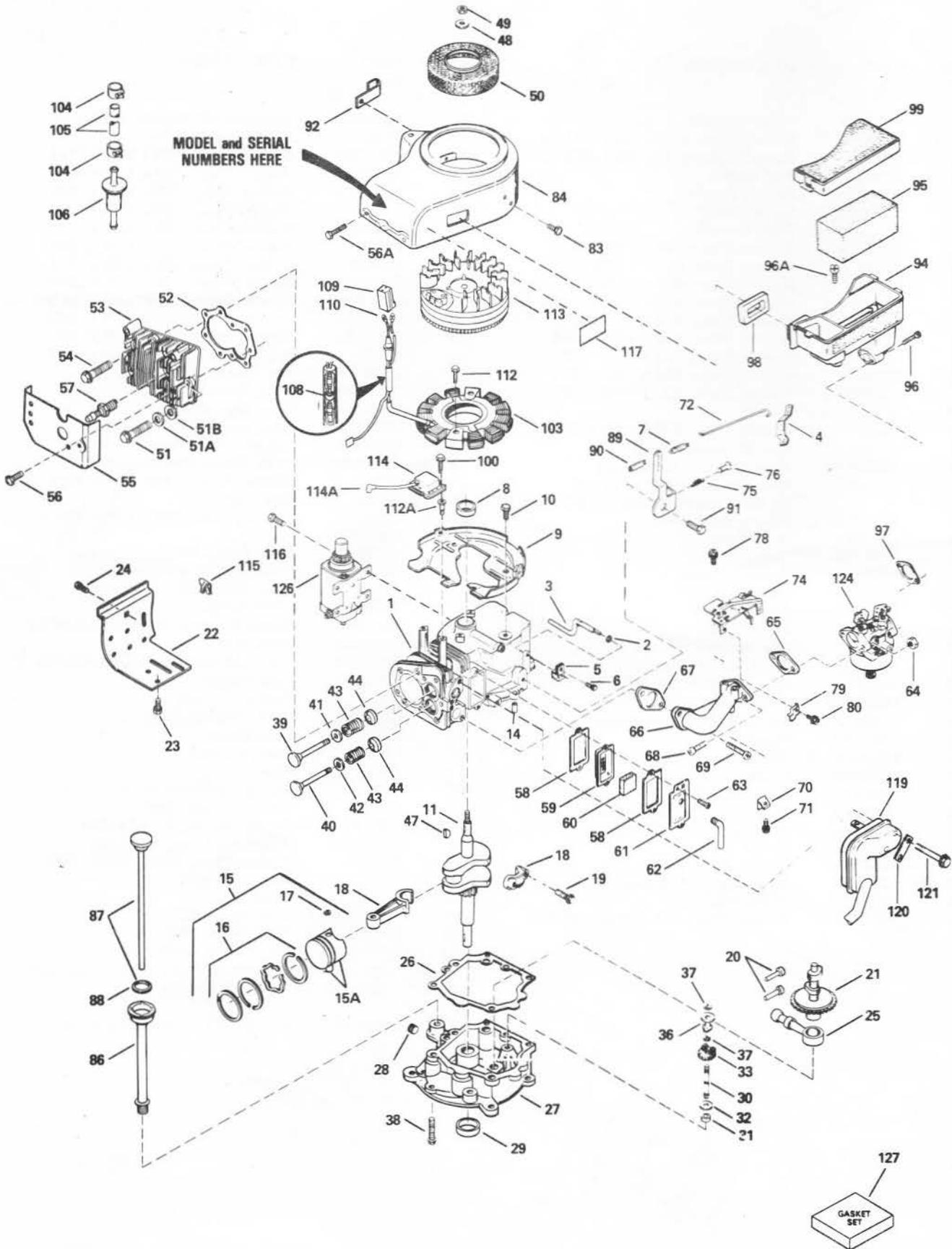
\*USE IN VARIOUS COMBINATIONS TO MAINTAIN PROPER CLEARANCES

+NOT SOLD SEPARATELY--ORDER KEY NO. 12

# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
ENGINE--MODEL NUMBER 143.366062

## ENGINE



# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
ENGINE--MODEL NUMBER 143.366062

## ENGINE

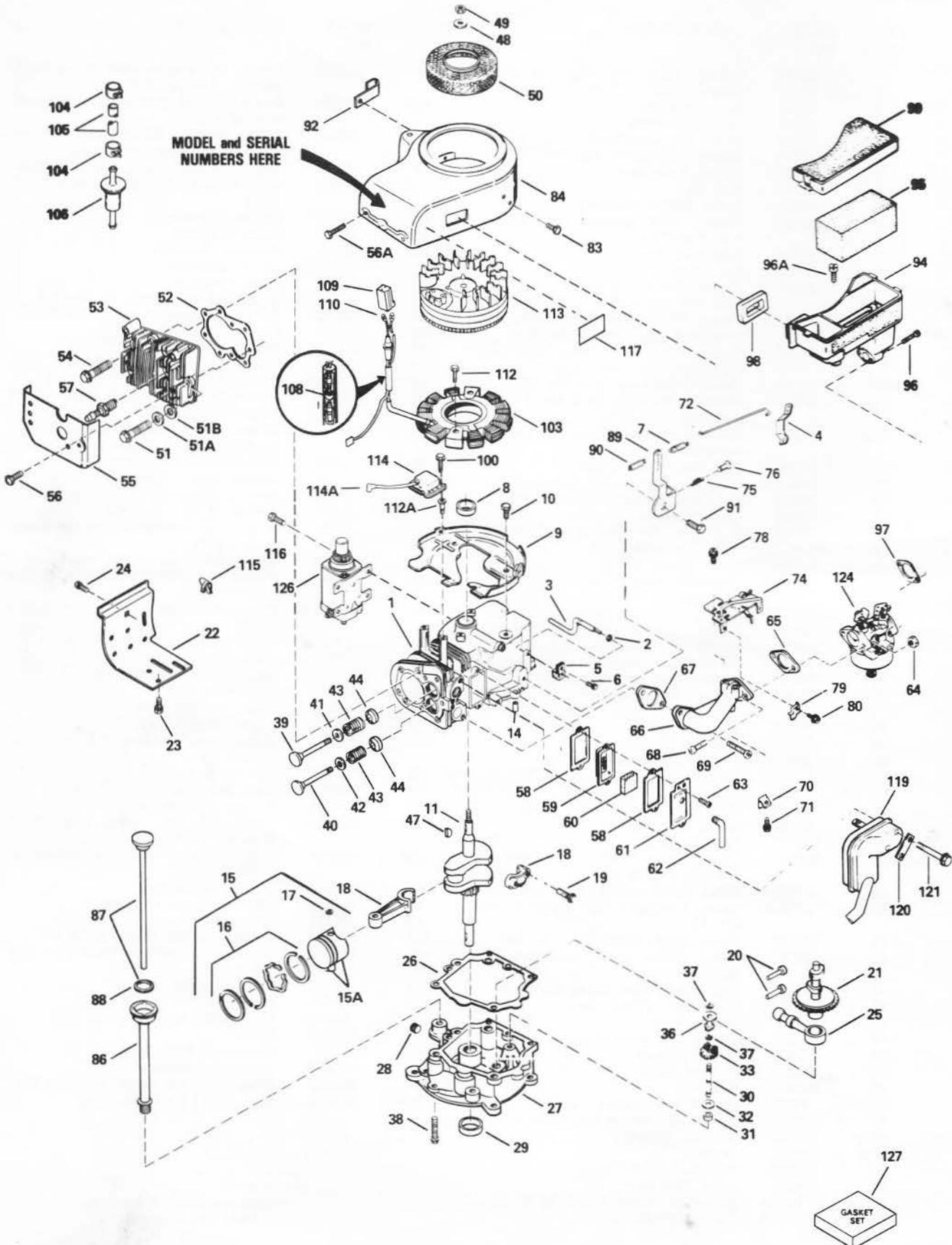
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	35379	Cylinder Assy. (Incl. Nos. 8 & 14)	56	650738	Screw, Hex washer spinlock hd. thr'd forming, 1/4-20 x 5/8
2	28277	Washer, Flat	56A	650788	Screw, Hex hd. thr'd forming spinlock, 5/16-18 x 3/4
3	35082	Rod, Governor	57	33636	Plug, Spark (Champion J-8 or equivalent) <b>Except for Canada</b>
4	32651	Lever, Governor	57	34251	Resistor Spark Plug (Canadian Regulations require RJ-17LM resistor spark plug)
5	31335	Clamp, Governor lever		Canada	
6	650548	Screw, Hex washer hd., 8-32 x 5/16	58	*27896	Gasket, Breather
7	34043	Spring, Extension	59	28423	Body, Breather
8	35319	Seal, Oil	60	28424	Element, Breather
9	35326	Baffle, Blower housing	61	28425	Cover, Breather
10	650561	Screw, Hex washer hd., Durlok, 1/4-20 x 5/8	62	27627	Tube, Breather
11	35388	Crankshaft Assy.	63	650128	Screw, Fil. hd. Sems, 10-24 x 1/2
14	27652	Pin, Dowel	64	29752	Nut & Lockwasher Assy., 1/4-28
15	34860	Piston, Pin & Ring Assy. (Std.) (Incl. Nos. 15A, 16 & 17)	65	*33263	Gasket, Carburetor
15	34861	Piston, Pin & Ring Assy. (.010 oversize) (Incl. Nos. 15A, 16 & 17)	66	34926	Pipe, Intake
15	34862	Piston, Pin & Ring Assy. (.020 oversize) (Incl. Nos. 15A, 16 & 17)	67	*27915	Gasket, Intake pipe-to-cylinder
15A	34863	Piston & Pin Assy. (Incl. No. 17) (Std.)	68	30088A	Screw, Fil. hd. Sems, 1/4-28 x 1
15A	34864	Piston & Pin Assy. (Incl. No. 17) (.010 oversize)	69	650378	Screw, Fil. hd. Sems, 5/16-18 x 1-1/8
15A	34865	Piston & Pin Assy. (Incl. No. 17) (.020 oversize)	70	33261	Bracket, Intake pipe
16	34866	Ring Set, Piston (Std.)	71	650738	Screw, Hex washer spinlock hd., thr'd forming, 1/4-20 x 5/8
16	34867	Ring Set, Piston (.010 oversize)	72	33860	Link, Governor-to-throttle
16	34868	Ring Set, Piston (.020 oversize)	74	35201	Bracket Assy., Control
17	27888	Ring, Piston pin retaining	75	33802	Spring, Compression
18	35373	Rod Assy., Connecting (Incl. No. 19)	76	650777	Screw, Fil. hd., 6-32 x 9/16
19	650822	Bolt, Connecting rod	78	30200	Screw, Hex washer hd. self-tap Sems, 10-24 x 9/16
20	34034	Lifter, Valve	79	27793	Clip, Conduit
21	35381	Camshaft Assy. (Mech. Compression Release)	80	28942	Screw, Hex washer hd. Sems, 10-32 x 3/8
22	33273A	Extension, Blower housing	83	29747B	Screw, Phil. Hex hd. Sems, 5/16-24 x 21/32
23	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2	84	34094A	Housing, Blower
24	650128	Screw, Fil. hd. Sems, 10-24 x 1/2	86	33992A	Tube, Oil fill
25	31356	Pump Assy., Oil	87	33589A	Dipstick, Oil (Incl. No. 88)
26	*35262	Gasket, Mounting flange	88	33590	"O" Ring
27	35382	Flange, Mounting (Incl. Nos. 28, 29, 30)	89	35202	Lever, Control
28	31927	Plug, Oil drain	90	35203	Spring, Control
29	35319	Seal, Oil	91	650807	Screw, Hex washer hd. shoulder, 10-32 x 7/16
30	30668	Shaft, Mechanical governor	92	33997	Clip, Oil fill tube
31	31707A	Spacer, Governor gear (Incl. No. 32)	94	34909	Body, Air cleaner
32	30590A	Washer, Flat	95	34910	Element, Air cleaner
33	35378	Gear Assy., Governor	96	650834	Screw, Fil. hd. Sems, Pilot Point, 10-32 x 1-17/32
36	30588A	Spool, Governor	96A	650784	Screw, Hex hd. taptite w/flatwasher, 10-24 x 11/16
37	29193	Ring, Retaining	97	*33629	Gasket, Air cleaner
38	650833	Screw, Hex washer hd. Powerlok, 1/4-20 x 1-3/16	98	*34912	Gasket, Blower housing
39	27878A	Valve, Exhaust (Std.) (Incl. No. 44)	99	34911	Cover, Air cleaner
39	27880A	Valve, Exhaust (1/32" oversize) (Incl. No. 44)	100	650814	Screw, Hex hd. Sems, 10-24 x 1
40	34035	Valve, Intake (Std.) (Incl. No. 44)	103	611096	Coil Assy., Alternator (Incl. Nos. 108, 109 & 110)
40	34036	Valve, Intake (1/32" oversize) (Incl. No. 44)	104	26460	Clamp, Fuel line
41	27882	Cap, Upper valve spring (Exhaust)	105	29774	Line, Fuel
42	34689	Seal Assy., Intake valve	106	34279A	Filter, Inline fuel (Incl. No. 104)
43	27881	Spring, Valve	108	610935	Diode
44	32581	Cap, Lower valve spring	109	610921	Connector Body
47	32589	Key, Flywheel	110	610922	Terminal, Female
48	650880	Washer, Lock	112	650873	Screw, Hex hd. Sems, 1/4-20 x 3/4
49	650881	Nut, Hex	112A	650872	Stud, Solid State mounting
50	35337	Hub & Screen Assy., Starter			
51	650694A	Screw, Hex flange hd., 5/16-18 x 2			
51A	650690	Washer, Belleville			
51B	650691	Washer, Flat			
52	*34923	Gasket, Cylinder head			
53	34030	Head, Cylinder			
54	6021A	Screw, Hex flange hd., 5/16-18 x 1-1/2			
55	33272A	Cover, Cylinder head			

\*Indicates Parts Included in Gasket Set, Key No. 127

# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
ENGINE--MODEL NUMBER 143.366062

## ENGINE



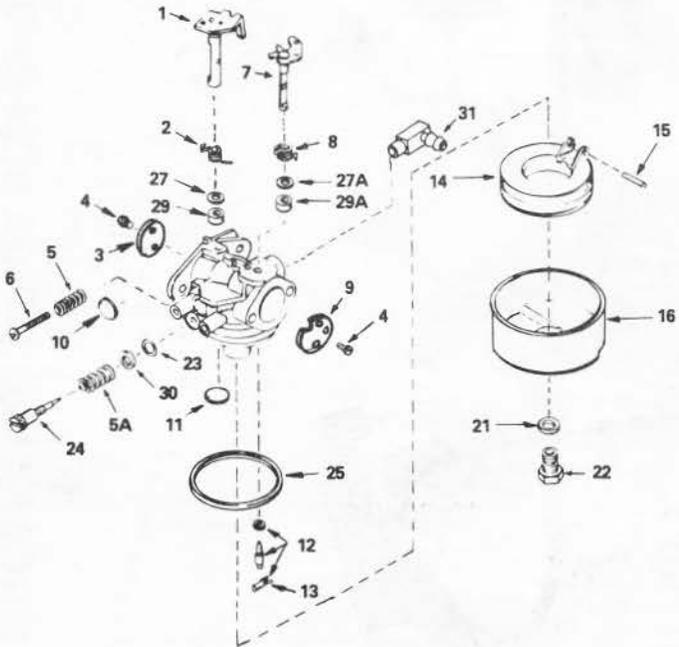
# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
ENGINE--MODEL NUMBER 143.366062

## ENGINE

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
113	611093	Flywheel Assy.	121	650729	Screw, Hex hd., 5/16-18 x 3-3/16
114	35135	Solid State Assy. (Incl. No. 114A)	124	632282	Carburetor (Incl. No. 65)
114A	610118	Cover, Spark plug	126	33605	Starter Motor (12 Volt)
115	34246	Clip, Wire	127	33279D	Gasket Set (Incl. items marked *)
116	30688	Screw, Hex hd. Sems, 1/4-20 x 1/2			
117	34346	Decal, Instruction			
119	35250	Muffler Assy.			*Indicates Parts Included in Gasket Set, Key No. 127
120	31588	Plate, Muffler locking			

## CARBURETOR NO. 632282

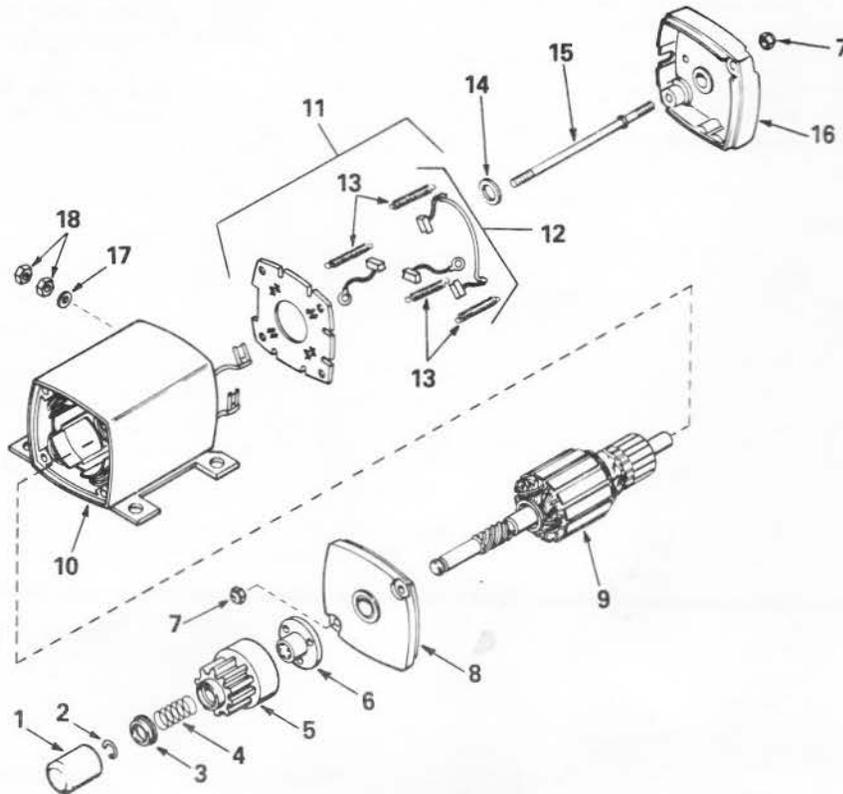


KEY NO.	PART NO.	DESCRIPTION
	632282	Carburetor
1	632243	Shaft & Lever Assy., Throttle
2	632244	Spring, Throttle return
3	632245	Shutter, Throttle
4	650506	Screw, Rd. hd., 4-40 x 3/16
5	630766	Spring, Idle regulating screw
5A	630766	Spring, Main adjustment screw
6	650417	Screw, Idle regulating
7	632246	Shaft & Lever Assy., Choke
8	632247	Spring, Return
9	632248	Shutter, Choke
10	630748	Plug, Welch
11	631027	Plug, Welch
12	631021	Inlet Needle, Seat & Clip Assy. (Incl. No. 13)
13	631022	Clip, Inlet needle
14	632019	Float, Carburetor
15	631024	Shaft, Float
16	631867	Bowl, Float
21	27110	Gasket, Bowl-to-body
22	632280	Nut, Float bowl
23	630740	"O" Ring, Adjustment screw
24	632281	Screw, Idle adjustment
25	631028	Gasket, Bowl-to-body
27	631184	Washer
27A	631184	Washer
29	631971	Seal, Dust
29A	631183	Seal, Dust
30	630739	Washer, Flat
31	631775	Fitting, Fuel

# REPAIR PARTS

10 H.P. 36" RIDING LAWN TRACTOR--MODEL NUMBER 917.255723  
 ENGINE--MODEL NUMBER 143.366062

STARTER MOTOR NO. 33605

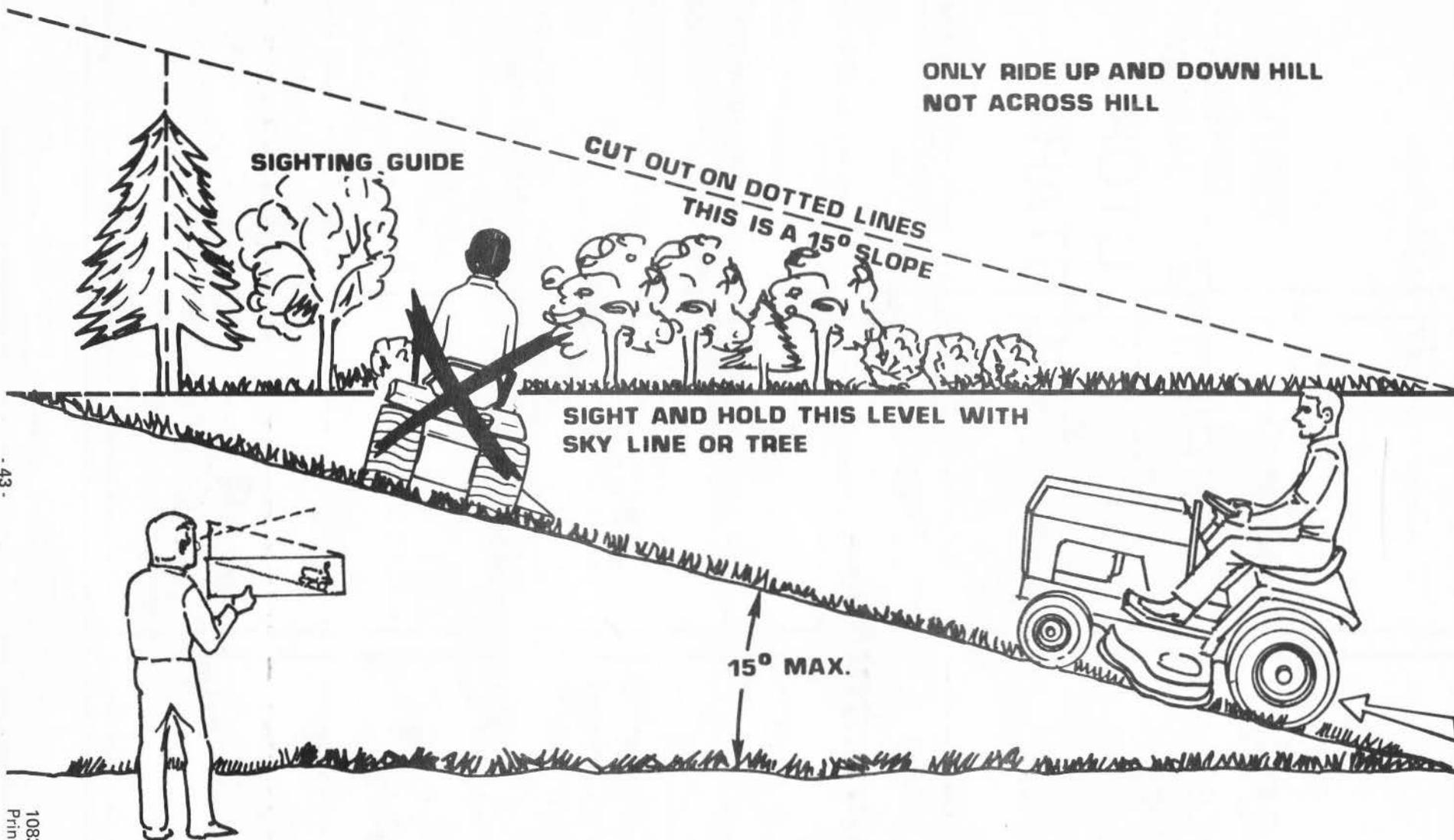


KEY NO.	PART NO.	DESCRIPTION
1	33605	Starting Motor, Complete
2	33451	Cover, Dust
3	33842	Ring, Retainer
4	33430	Retainer, Spring
5	33431	Spring, Anti-drift
6	33432	Gear
7	33433	Nut, Engaging
8	33450	Nut, Lock
9	33434	Cap Assy., Drive end
11	33712	Card Assy., Brush (Incl. No. 12)
12	33705	Brush & Spring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

another free manual from www.seartractormanuals.com

# SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION

ONLY RIDE UP AND DOWN HILL  
NOT ACROSS HILL



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



1 M 2017

Margaret

25409 Supt 1981  
Cat# -

# SEARS OWNERS MANUAL

MODEL NO.  
917.255723

## HOW TO ORDER REPAIR PARTS

# 10 H.P. 36" RIDING LAWN TRACTOR ELECTRIC START

The Model Number will be found on the Model Plate attached to the Fender. 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".