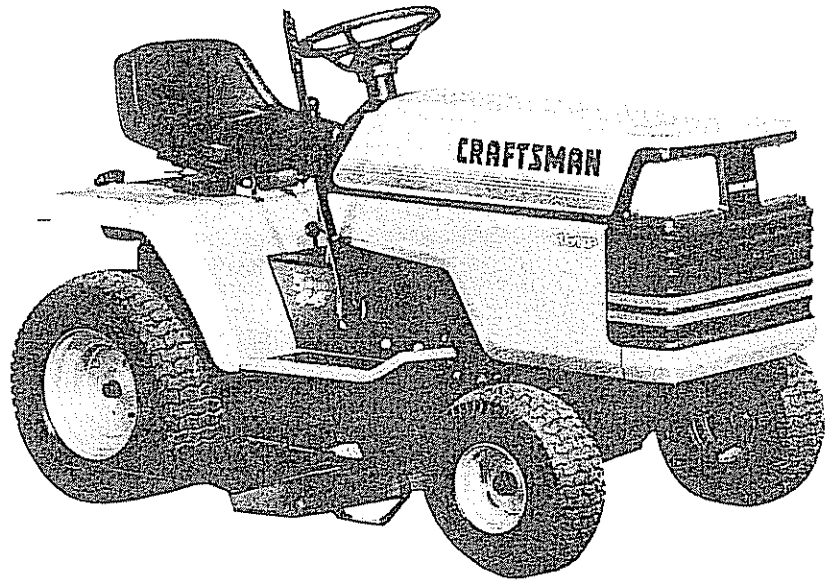


SEARS
OWNERS
MANUAL

MODEL NO.
917.255820

Caution:
Read Rules for
Safe Operation
and Instructions
Carefully



YT 16 TWIN
5 SPEED
YARD TRACTOR

Assembly
Installation
Operation
Repair Parts

CONGRATULATIONS on your purchase of a Sears Yard 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, Roebuck and Co. Store. 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".

<p>MODEL NUMBER _____</p> <p>SERIAL NUMBER _____</p> <p>THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON THE MODEL PLATE ATTACHED TO THE DRAWBAR.</p> <p>YOU SHOULD RECORD BOTH MODEL AND SERIAL NUMBERS AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.</p>
--

**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

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 owners 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 the drivers seat.
7. Always get on or off your tractor from the operators left hand side.
8. Clear the work area of objects 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 47.
15. Reduce speed on slopes and make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
16. While going up or down slopes, place Gear Shift Control Lever in 1st gear position to negotiate the slope without stopping.
17. Never mow in wet or slippery grass, when traction is unsure or at a speed which could cause a skid.
18. Stay alert for holes in the terrain and other hidden hazards.
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 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. 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.



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

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 Authorized Service Center for spark arrester mufflers part numbers 106686X - L.H. Muffler Kit and 106687X - R.H. Muffler Kit.

CUT AWAY VIEW

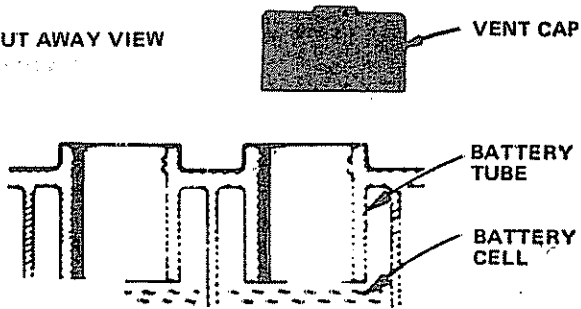


FIGURE 1

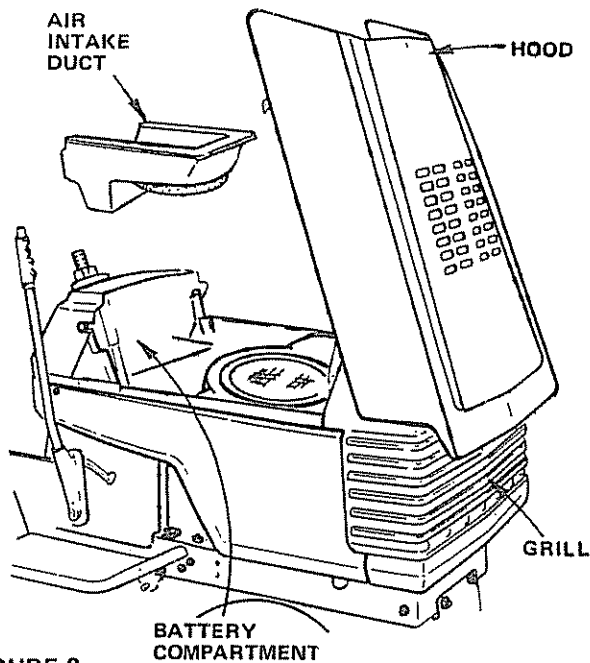


FIGURE 2

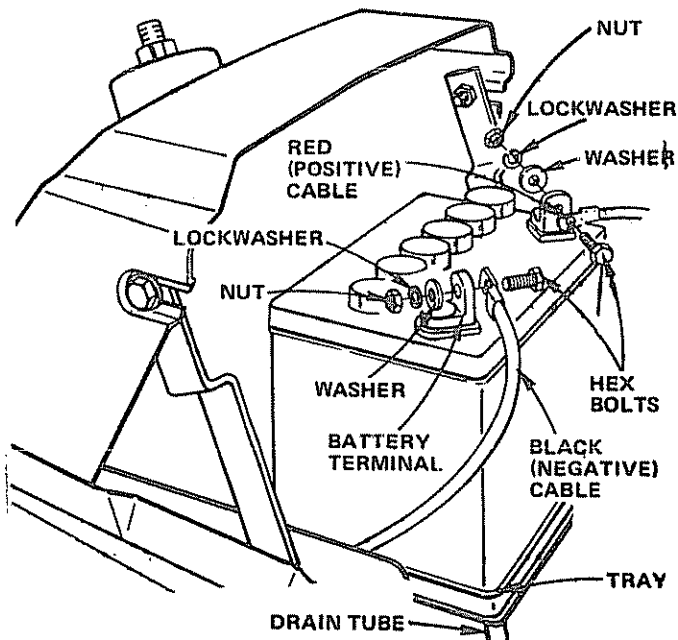


FIGURE 3

ASSEMBLY

To assemble and adjust your Tractor you will need:
two 7/16" wrenches, one 3/4" wrench and one 9/16" wrench

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

1. Remove Fasteners holding Tractor to skid. Also remove Battery, Steering Wheel and Bag of Parts.

WEAR EYE AND FACE SHIELD.



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

DO NOT SMOKE, FUMES FROM CHARGED ELECTROLYTE ARE EXPLOSIVE.

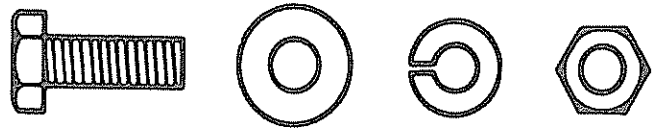
2. Fill and charge Battery (before installing). NOTE: SEE DETAILED INSTRUCTIONS PACKAGED WITH BATTERY.
 - a. Fill Battery with electrolyte to bottoms of tubes in cells (Fig. 1). NOTE: DO NOT OVERFILL. OVERFILLING WILL RESULT IN DAMAGE TO TRACTOR.
 - b. Check level of electrolyte after 30 minutes. Add additional electrolyte if necessary. NOTE: TIGHTEN VENT CAPS SECURELY.
 - c. Charge Battery at a rate not exceeding three amperes for about two and one half hours.
 - d. 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, WRISTWATCH BANDS, RINGS, ETC. FROM YOUR PERSON.

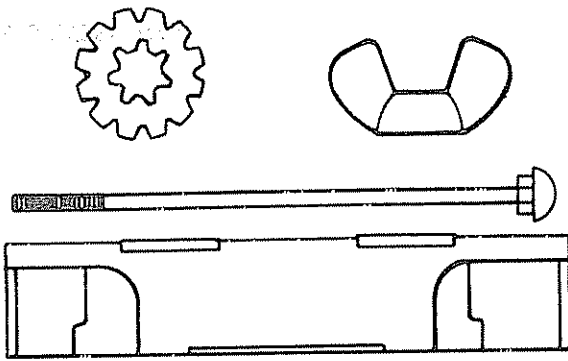
3. Install Battery
 - a. Lift hood from rear sides (Fig. 2).
 - b. Lift out Air Intake Duct.
 - c. Remove tape from Plastic Tray. Make sure Drain Tube (Fig. 3) is fastened to Drain Hole in Battery Tray and Battery Tray is positioned in hole of Battery Support.
 - d. Place Battery in Plastic Tray (Battery Terminals to front of Tractor) (Fig. 3).
4. 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. 3). Tighten securely.
- b. Connect BLACK Ground Cable to Negative (-) Battery Terminal with remaining Hex Bolt, Flat Washer, Lockwasher and Hex Nut (Fig. 3). Tighten securely.

5. 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 square hole on one side of the Battery Support (Fig. 4) insert one Battery Bolt, head of Bolt down. Fasten the Battery Bolt to the Terminal Guard using Int./Ext. Lockwasher and Wing Nut as shown in Fig. 4.
- 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. 4).

NOTE: USE TERMINAL ACCESS DOORS (FIG. 4) FOR:

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

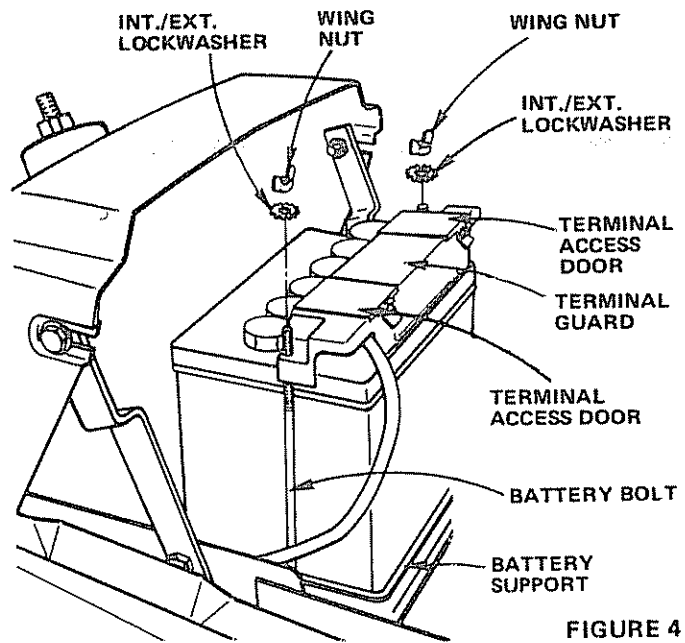



FIGURE 4

WHEN NOT IN USE, KEEP TERMINAL ACCESS DOORS CLOSED.



DO NOT START ENGINE UNTIL MOWER PARALLEL LINK HAS BEEN RELEASED. SEE MOWER AND DRIVE BELT INSTALLATION, PAGE 8.

6. Replace Air Intake Duct (Fig. 2).
7. Close Hood.
8. Install Steering Wheel.

NOTE: POSITION FRONT WHEELS FORWARD.

 - a. Remove Hex Nut and Large Washer from Steering Column (Fig. 5).
 - b. Position Steering Wheel over Steering Wheel Insert.
 - c. Secure Steering Wheel to Steering Column using Large Washer and Hex Nut (Fig. 5).
 - d. Snap Steering Wheel Cap in place on Steering Wheel. Steering Wheel Cap found in Bag of Parts.
9. To adjust seat position, swivel seat forward. Use 3/4" wrench to loosen Seat Bolt and slide seat to desired position. Make sure seat sets straight on Seat Pan and tighten Seat Bolt securely (Fig. 6).

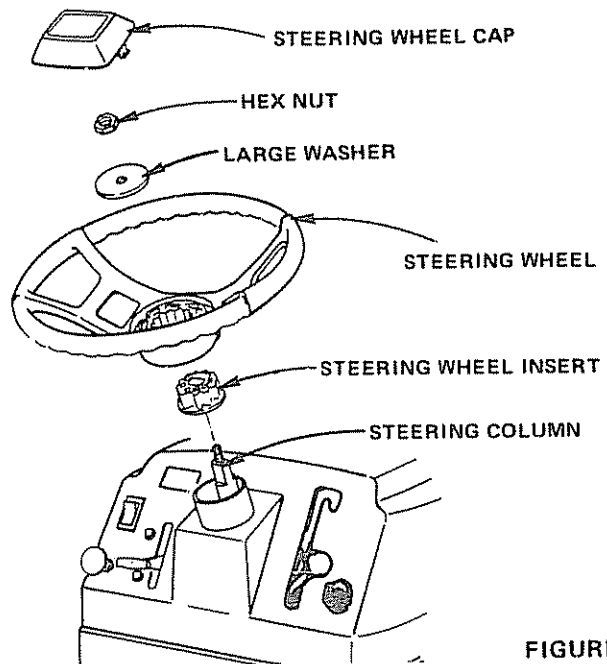


FIGURE 5

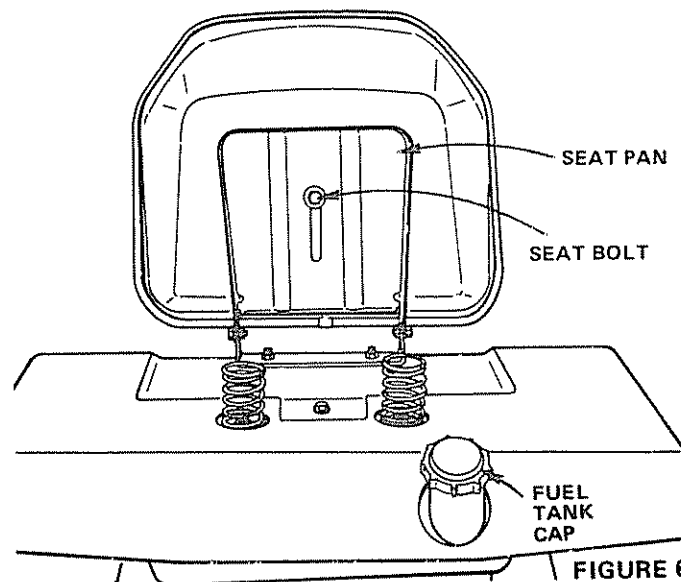


FIGURE 6

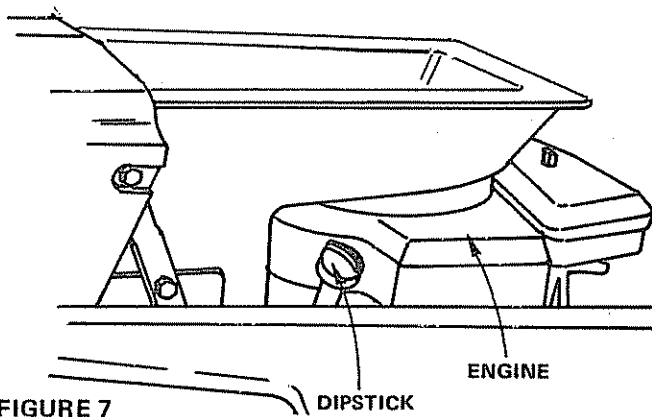


FIGURE 7

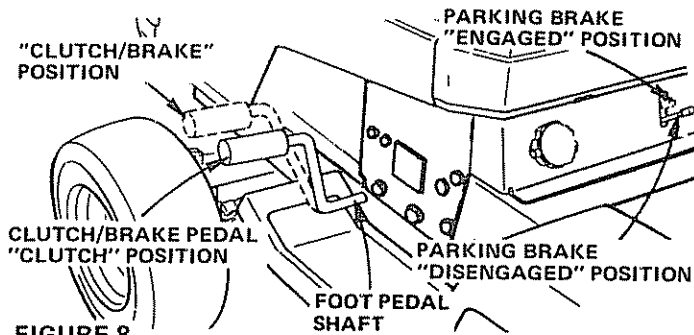


FIGURE 8

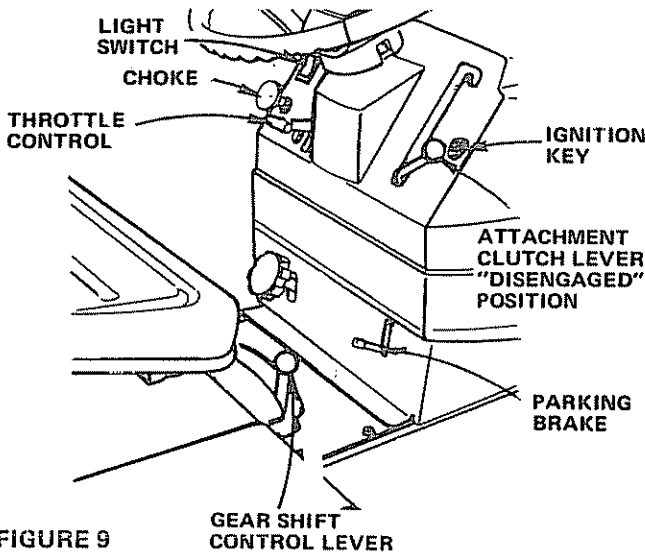
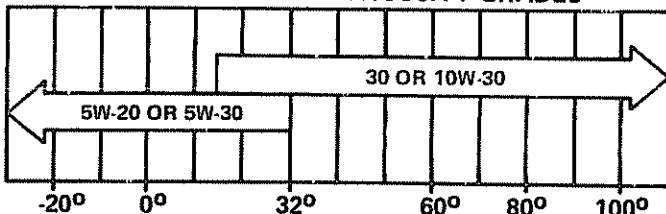


FIGURE 9

INITIAL SERVICE

1. This engine has been shipped filled with oil. Check Engine Oil Level with Tractor on level ground. Wipe Dipstick (Fig. 7) clean, push 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.

2. Fill Fuel Tank (Fig. 6), Use fresh, clean, unleaded automotive gasoline. (Leaded "Regular" grade gasoline is an acceptable substitute, but will increase carbon and lead oxide deposits and reduce valve life). Capacity is 3 - 1/2 gallons.

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.

3. Reduce Tire pressure to 14 PSI in front and 12 PSI in rear Tires. (Tires were overinflated for shipping purposes).
4. Remove bands from Mower Parallel Link (Fig. 11).

STARTING THE ENGINE



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

NOTE: THIS TRACTOR IS EQUIPPED WITH INTERLOCK SWITCHES TO PREVENT STARTING OF THE TRACTOR ENGINE WHILE THE ATTACHMENT CLUTCH OR THE TRACTOR CLUTCH IS ENGAGED.



IMMEDIATELY REPLACE SWITCHES THAT ARE NOT IN PROPER WORKING ORDER. DO NOT ATTEMPT TO DEFEAT THE PURPOSE OF THESE SWITCHES.

1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig. 9).
2. Push Clutch-Brake Pedal fully into brake position (Fig. 8).
3. Place Gear Shift Control Lever in "N" neutral, start position (Fig. 9).
4. Pull Choke out (Fig. 9).
5. Move Throttle Control to middle position (Fig. 9).
6. Turn Ignition Key to "START" position until Engine starts (Fig. 9). NOTE: DO NOT RUN STARTER CONTINUOUSLY FOR MORE THAN FIFTEEN SECONDS PER MINUTE. If engine does not start after several attempts, move Throttle Control to "F" (fast) position, wait a few minutes and try again.
The first time you start the engine, it will take extra cranking time to move fuel from tank to the engine.
NOTE: ALLOW ENGINE TO WARM UP FOR A FEW MINUTES BEFORE ENGAGING CLUTCH OF TRACTOR OR ATTACHMENT.
7. When restarting a warm engine, move Throttle Control midway between "S" (slow) and "F" (fast) position. Choke may not have to be used.

OPERATION



BEFORE DRIVING THE TRACTOR, INSTALL MOWER OR REMOVE MOWER PARALLEL LINK (FIG. 11).



CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
 - a. Shift transmission to neutral.
 - b. Depress Clutch/Brake Pedal and set Parking Brake.
 - c. Disengage Attachment Lever.
 - 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.
5. Always wear substantial footwear and avoid loose fitting clothing that could get caught in moving parts.

TRACTOR OPERATION

1. With engine running and warm, place Throttle Control midway between "S" (slow) and "F" (fast) position.
2. Push Clutch-Brake Pedal down firmly (Fig. 8). Move Gear Shift Control Lever to desired gear (Fig. 9).
3. Release Clutch-Brake Pedal SLOWLY to start movement.
4. If ground travel is too slow, move Throttle Control to "F" (fast) position or press Clutch-Brake Pedal and shift to a different gear.

NOTE: BRING TRACTOR TO COMPLETE STOP BEFORE SHIFTING GEARS. ALWAYS SELECT A GROUND TRAVEL SPEED THAT WILL SUIT THE TERRAIN AND THE ATTACHMENT BEING USED.



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.

DO NOT OPERATE THE MOWER WITHOUT THE DISCHARGE GUARD IN PLACE.

NOTE: A SPARK ARRESTER MUFFLER (PAGE 28) IS AVAILABLE AS AN ACCESSORY PART FOR YOUR TRACTOR. CHECK LEGAL REQUIREMENTS IN YOUR AREA.

STOPPING YOUR TRACTOR

1. Push Clutch-Brake Pedal into full "BRAKE" position.
2. Place Parking Brake Lever in "ENGAGED" position and release pressure from Clutch-Brake Pedal. Pedal should remain in brake position. **NOTE: MAKE SURE PARKING BRAKE WILL HOLD TRACTOR SECURE.**
3. Move Shift Control Lever to "NEUTRAL" position.
4. Place Attachment Clutch Lever in "DISENGAGED" position.
5. Move Throttle Control to "S" (slow) position.
6. Turn Ignition Key to "OFF" position.



REMOVE KEY WHEN LEAVING TRACTOR TO PREVENT UNAUTHORIZED USE.

TRANSPORTING YOUR TRACTOR

For pushing or towing your tractor, place Gear Shift Control Lever to "N" neutral position (Fig. 9). **NOTE: DO NOT TOW YOUR TRACTOR FASTER THAN SIX MILES PER HOUR.**

TRACTOR OPERATION ON HILLS

1. Choose the lowest gear BEFORE starting up or down hills.



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

2. **AVOID STOPPING OR SHIFTING ON HILLS.**

- a. If slowing is necessary, move Throttle Control Lever to middle 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 your tractor, make sure tractor is in 1st gear and that you have allowed room to roll slightly downhill. Disengage Parking Brake and release Clutch-Brake Pedal SLOWLY to start tractor forward movement.
3. Make all turns slowly.

**NEGATIVE
(BLACK CABLE)
TERMINAL**

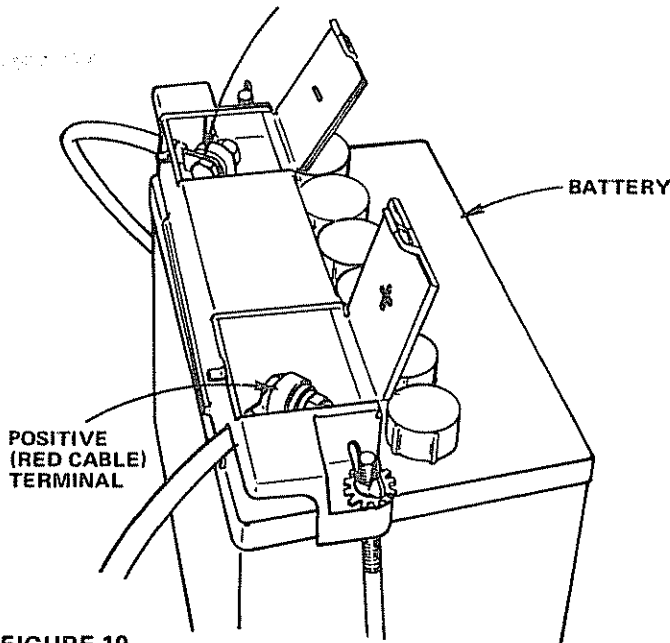


FIGURE 10

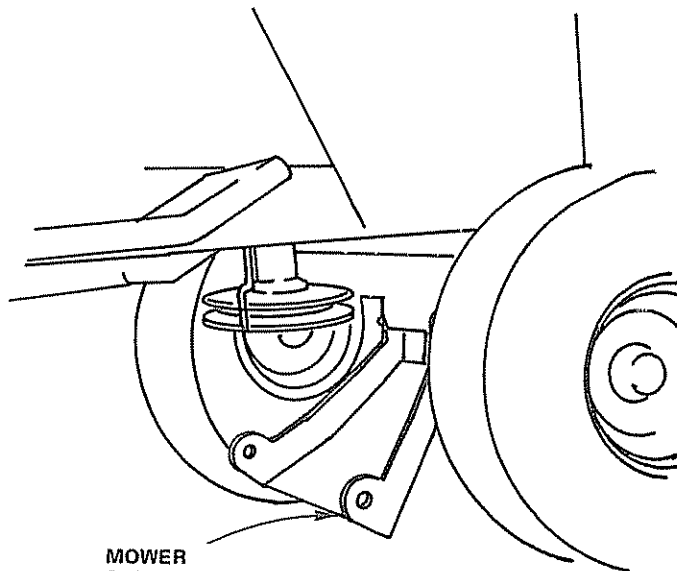


FIGURE 11

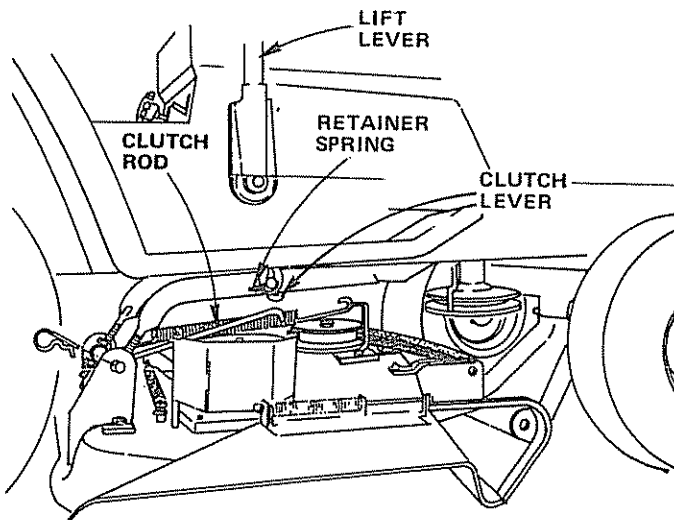


FIGURE 12

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 GROUNDED SYSTEM, THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM.**



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

1. Connect each end of the RED cable to the POSITIVE (+) terminals of each battery (taking care not to short against chassis) (Fig. 10).
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.

MOWER AND DRIVE BELT INSTALLATION

Your tractor has been shipped with the Mower Parallel Link banded to the frame. Remove bands and lower Mower Parallel Link (Fig. 11).

MOWER INSTALLATION

Your 44" Mower installs without the use of tools, Raise Lift Lever (Fig. 12) to its highest position, Turn Depth Adjustment Knob to lowest position (Fig. 19).

1. Install Rear Hinge Pin through Mower Lift Brackets and Parallel Link (Fig. 13). Secure with Retainer Spring.

2. Install Clutch Rod in Clutch Lever (Fig. 13). Secure with Retainer Spring.
3. Move Lift Lever (Fig. 15) forward to lower Suspension Arms, Slide Trunnions through Lift Bracket holes and secure with Retainer Springs (Fig. 13).
4. Roll Belt over Mower Drive Pulley. Make sure Belt is inside Belt Guides (Fig. 14) See Belt Drive Schematic Decal on Mower Housing.
5. Use Lift Lever (Fig. 15) to raise mower.

NOTE: SEE MOWER ADJUSTMENT, BELOW.

6. Turn Depth Adjustment Knob clockwise (↻) to the middle of it's travel

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 ATTACHMENT CLUTCH LEVER IN "DISENGAGED" 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, PAGES 9 AND 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.

LEVEL MOWER FROM SIDE TO SIDE

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 Flange to level surface at front of mower. Distance "A" should be the same (Fig. 15)

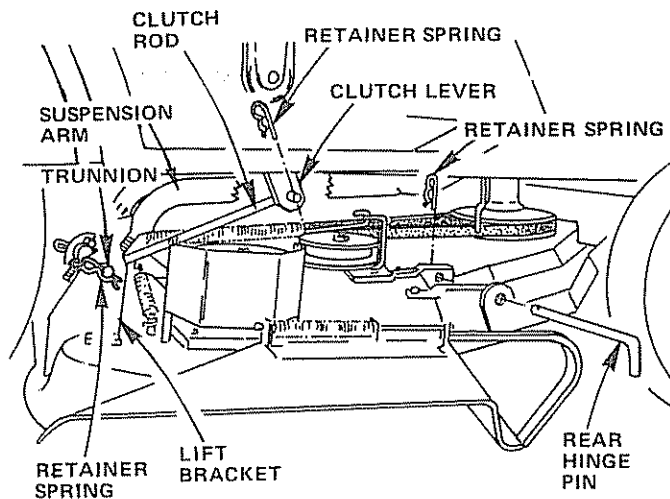


FIGURE 13

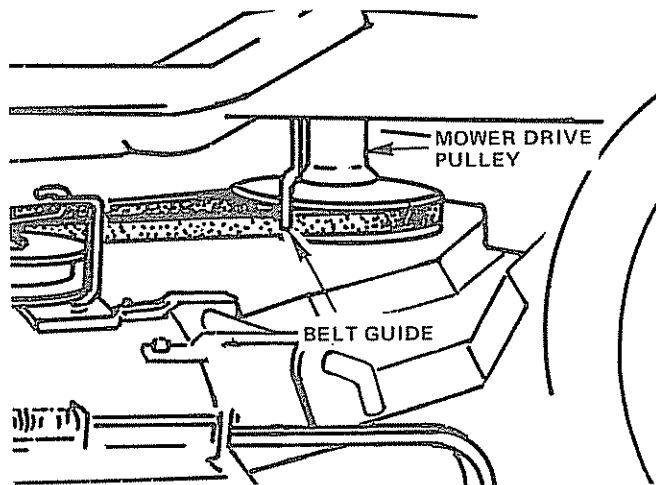


FIGURE 14

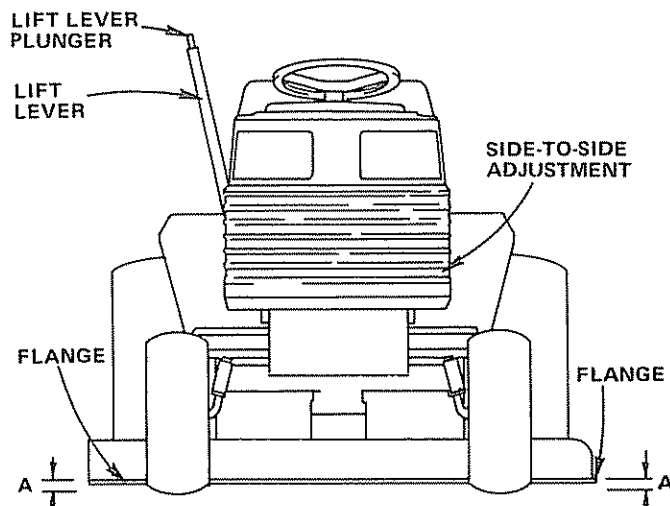


FIGURE 15

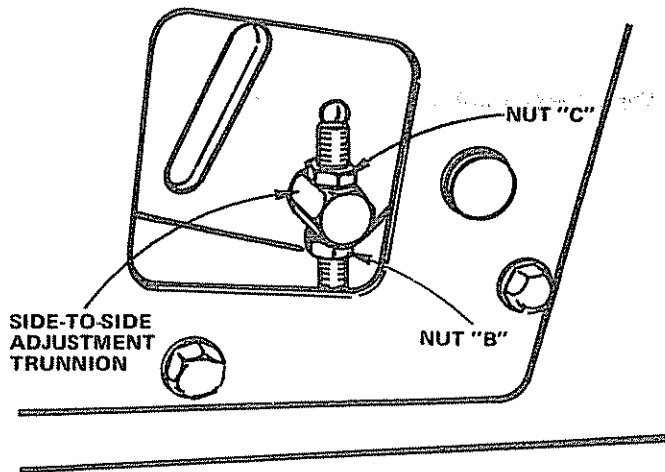


FIGURE 16

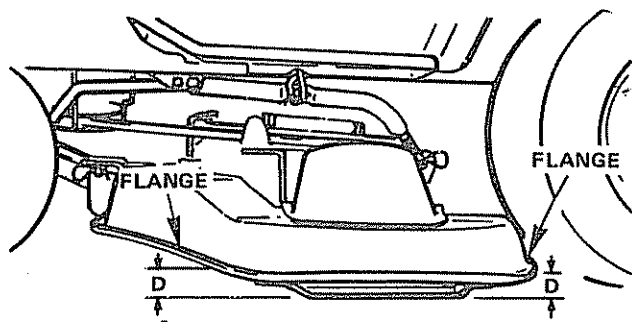


FIGURE 17

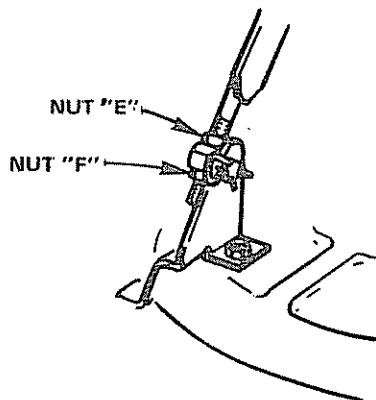


FIGURE 18

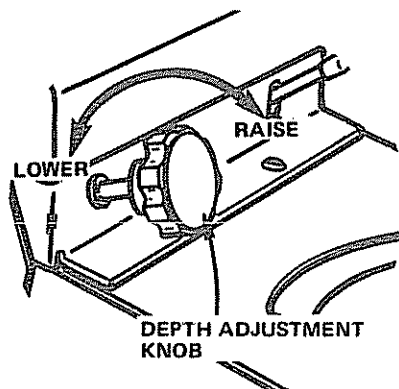


FIGURE 19

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" ON 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, retighten Nuts "E".
NOTE: WHEN ADJUSTING REAR SUSPENSION TRUNNIONS, ALWAYS ADJUST BOTH EQUALLY SO MOWER WILL STAY LEVEL.

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 (↺) (Fig. 19).

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 PAGES 9 & 10.

1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig 20).
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 ATTACHMENT 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" ATTACHMENT 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 20). Moving the Knob clockwise (↻) raises the mower (Fig 19). 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 21) 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. Use the Runner on the right hand side as guide; the blade cuts approximately an inch outside the runner (Fig. 22).

FLIP-UP DISCHARGE GUARD

Your mower has a flip-up Discharge Guard (Fig. 22) for door or gate clearance when held in raised position



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

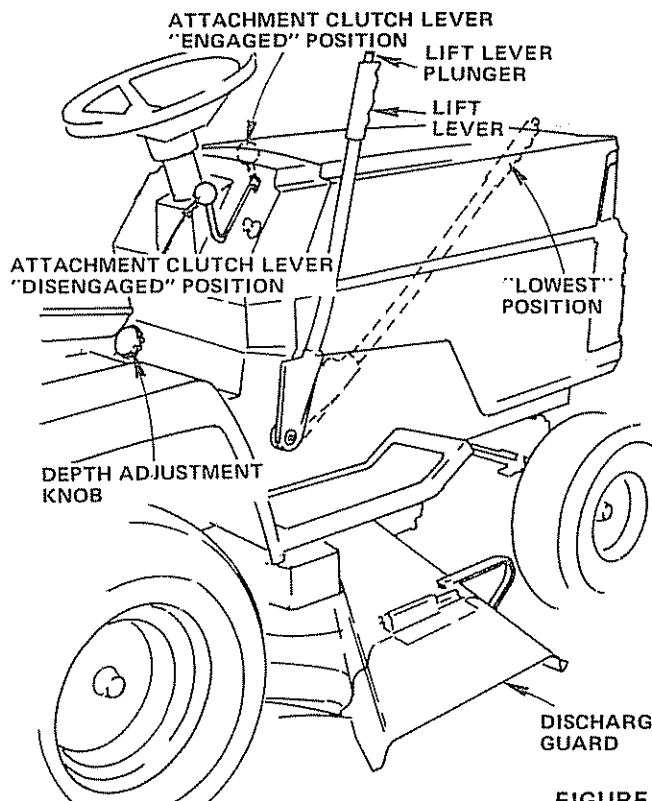


FIGURE 20

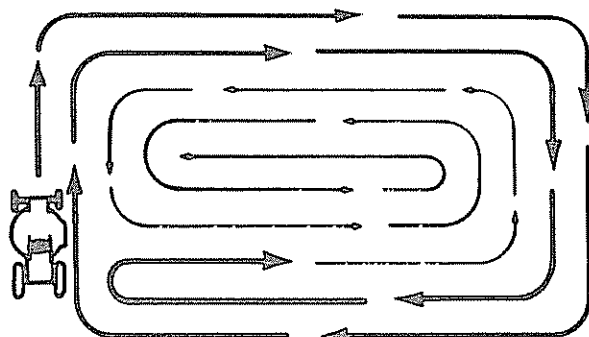


FIGURE 21

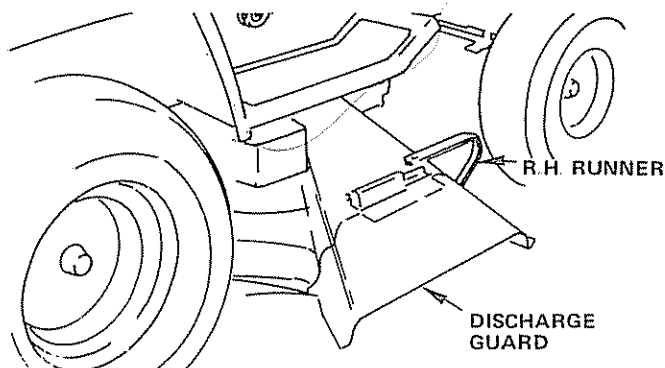


FIGURE 22

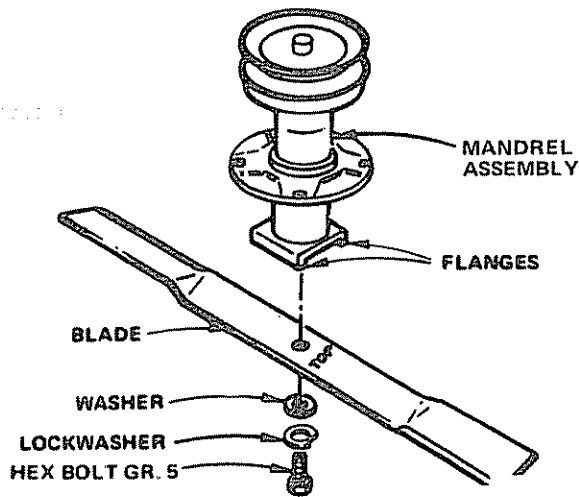


FIGURE 23

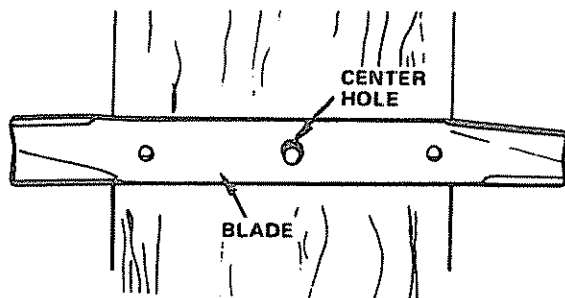


FIGURE 24

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 ATTACHMENT 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. 24). NOTE: CENTER HOLE OF BLADE ON NAIL. IF BLADE IS PROPERLY BALANCED, BLADE SHOULD REMAIN IN POSITION SHOWN IN FIG. 24. 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.

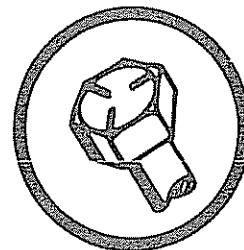
BLADE REPLACEMENT

Raise Mower to highest position to permit access to Blades.

1. Remove Bolt, Lockwasher and Washer (Fig. 23) (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.

TO REPLACE MOWER DRIVE BELT

REPLACE ONLY WITH THE BELTS SPECIFIED IN THIS MANUAL.

1. Place Attachment Clutch Lever in "DISENGAGED" position (Fig. 25).
2. Turn Depth Adjustment Knob to lowest position. Move Mower Lift Lever (Fig. 25) forward to lower Mower to its lowest position.
3. Roll Belt off Engine Pulley (Fig. 26).
4. Use 1/2" wrench to loosen two Nuts on R.H. Belt Guard. Pull Belt off Pulley (Fig. 27).
5. Use 9/16" wrench to loosen Nut on L.H. Idler Pulley. Pull Belt off Pulley (Fig. 27).
6. Slide belt from under spring.
7. To replace Mower Drive Belt, reverse above procedure. Make sure Drive Belt is inside Engine Pulley Belt Guides.

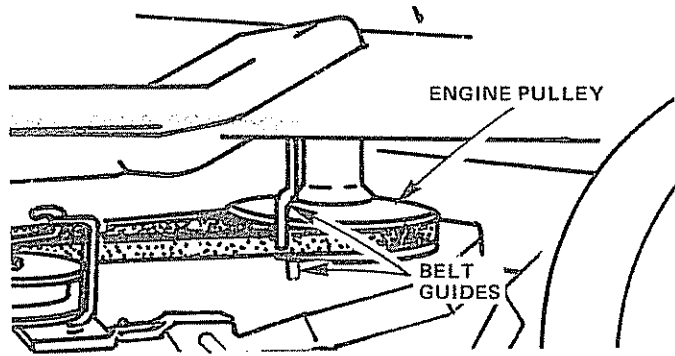


FIGURE 26

TO REPLACE MOWER BELT

1. Remove mower from Tractor (See page 14).
2. Remove Mower Drive Belt (See above).
3. Pull Belt towards rear of Mower at Tensioning Pulley. Place a block between Tension Bracket and Spring Bracket. Roll Belt off Tensioning Pulley (Fig. 28).
4. Roll Belt off all other pulleys.

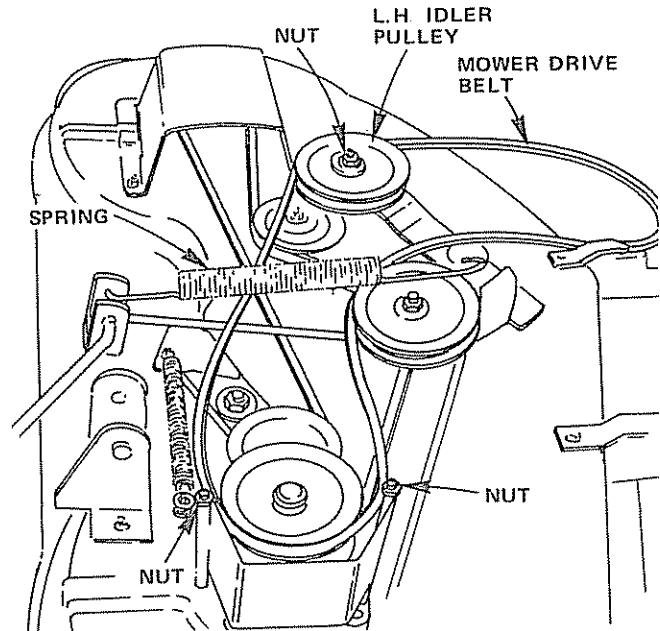


FIGURE 27

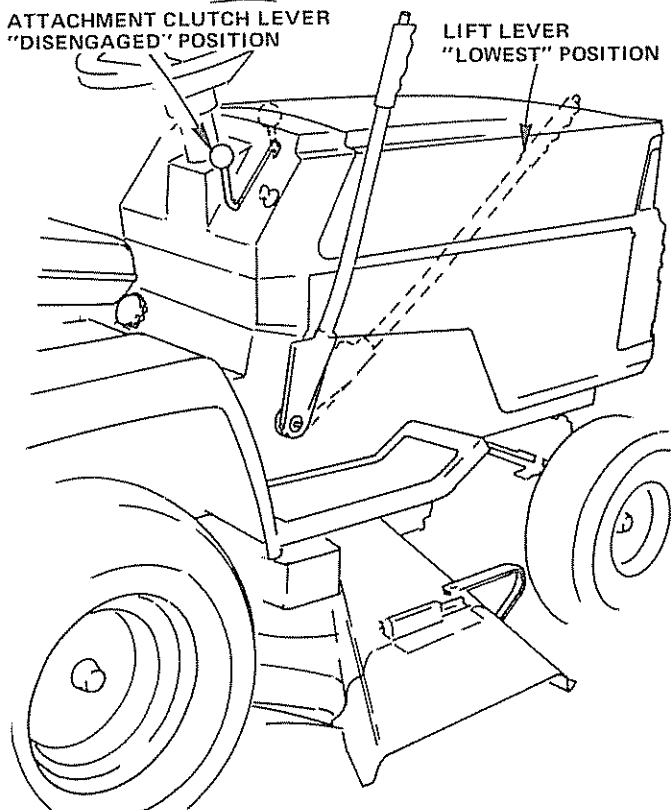


FIGURE 25

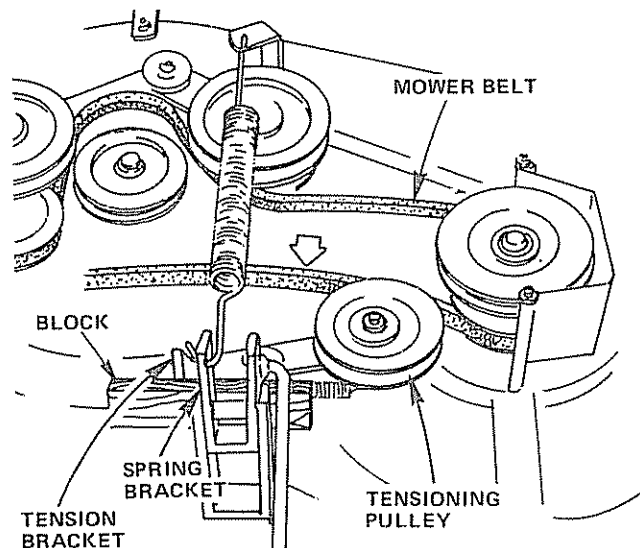


FIGURE 28

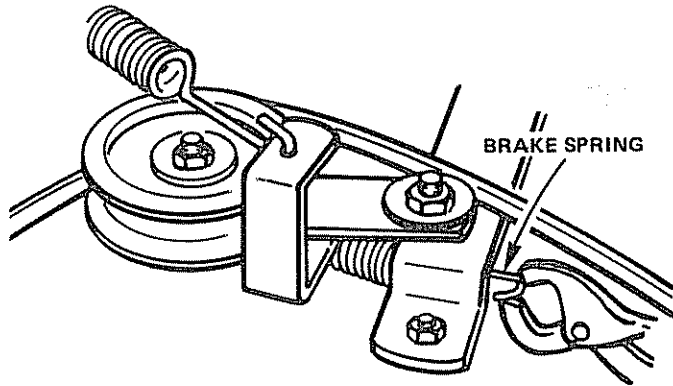


FIGURE 29

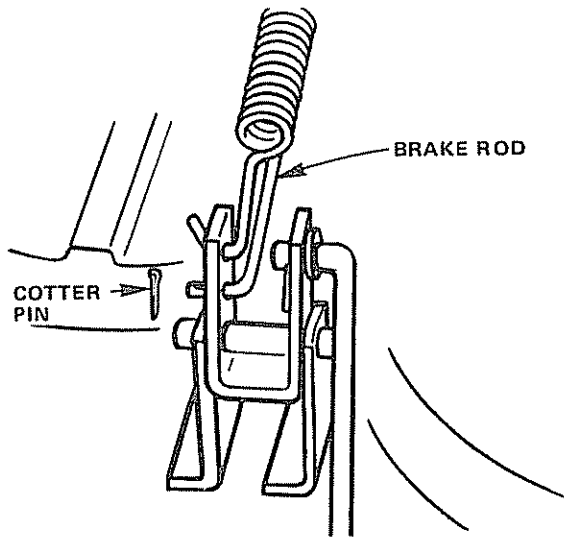


FIGURE 30

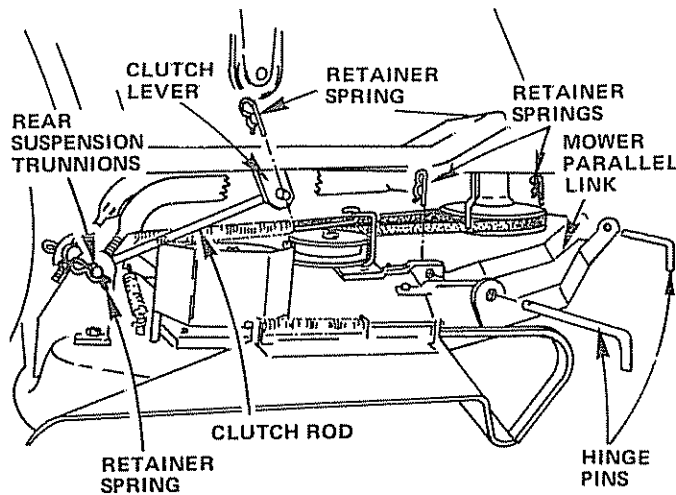


FIGURE 31

5. Use pliers to remove Brake Spring (Fig. 29).
6. Remove Cotter Pin from Brake Rod (Fig. 30).
7. Pull Belt out from under Brake Rod and off mower.
8. To install belt, reverse above procedure. Make sure belt is engaged in all pulleys.
9. Replace Brake Spring, Brake Rod and Retainer Spring. Tighten two Nuts on Belt Guard and Nut on L.H. Idler Pulley (Fig. 27).

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 Lever.
4. Pull Retainer Springs out of Rear Suspension Trunnions. Remove Rear Suspension Trunnions from Lift Brackets (Fig. 31).
5. Pull Retainer Spring out of Rear Hinge Pin. Remove Rear Hinge Pin (Fig. 31).
6. Pull Retainer Spring out of Front Hinge Pin. Remove Front Hinge Pin (Fig. 31).
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.

LUBRICATION

Under normal usage the Mandrels should require lubrication after every 50 hours of operation and at the end of each season. Each Mandrel should be filled with grease (six shots) thru the Grease Fitting located between Mower Blade and underside of the Mower Housing (Fig. 32). Wipe fitting clean before greasing. Use high performance, extreme pressure lubricating grease, Amdex No. 1 EP or equivalent. This grease may be obtained by ordering thru your nearest Sears Repair Parts Department, Part No. 2557R or equivalent.

Wrong info: This should be in the 917-255910 manual!

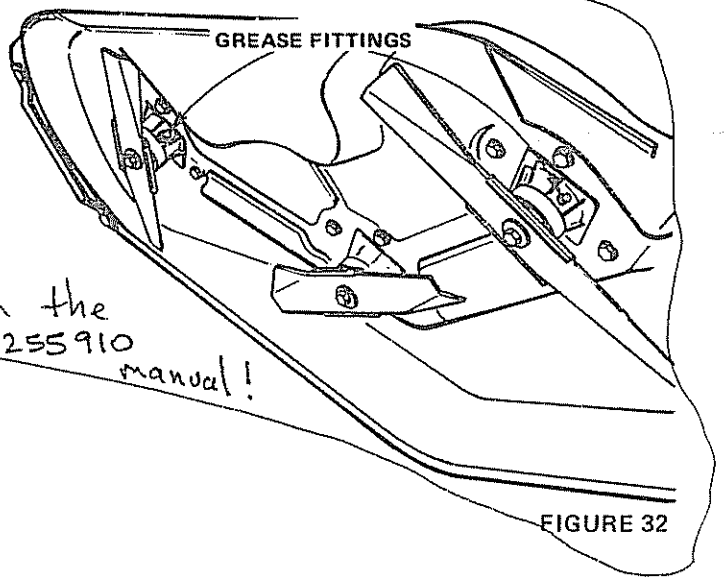
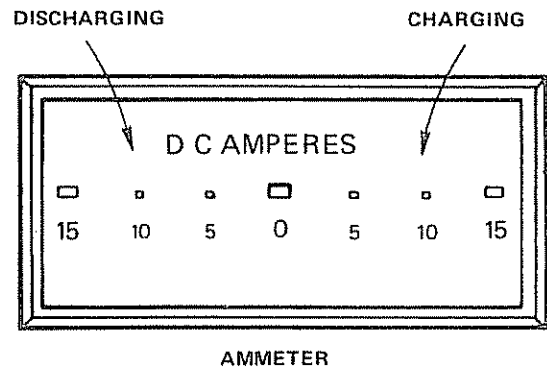


FIGURE 32

TRACTOR MAINTENANCE INSTRUCTIONS

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

Each time you start your tractor, check your Ammeter (Fig. 33). The needle should move towards the + (charging) mark indicating the battery is being charged as you operate the tractor. The headlights will not show a discharge on the ammeter because they are not connected to the battery (they have their own electrical source, see page 23). If you have a lift motor connected it will show a discharge when being operated.



AMMETER

FIGURE 33



DISCONNECT SPARK PLUG WIRES TO PREVENT ACCIDENTAL STARTING BEFORE MAKING ANY INSPECTION, ADJUSTMENT OR REPAIR (EXCEPT CARBURETOR).

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.

- Drain Oil with Engine warm. Loosen Oil Drain Wing Nut (Fig. 35) and remove Dipstick. Catch Oil in a suitable container. Tighten Oil Drain Wing Nut.
- Refill Engine Oil. (See chart, page 6). Refill capacity is 3 pints. **NOTE: DO NOT OVERFILL.** Replace Dipstick.

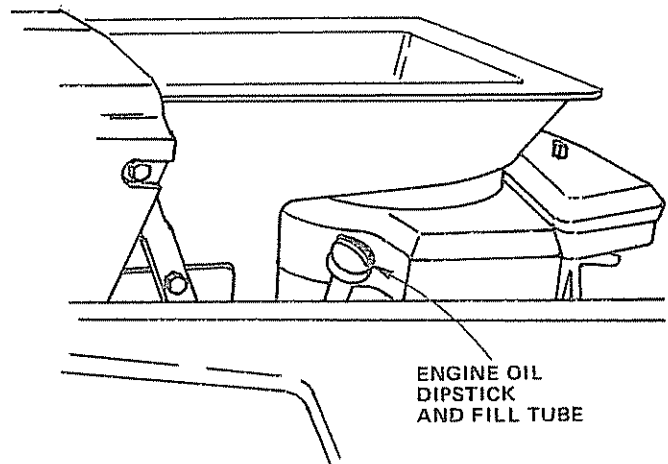


FIGURE 34

EVERY 5 HOURS

1. 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. Wipe dipstick (Fig. 34) clean, push it down tight for a few seconds, remove and read Oil Level. If necessary, add Oil until "FULL" mark is reached. (See chart, page 6). **NOTE: DO NOT OVERFILL.**

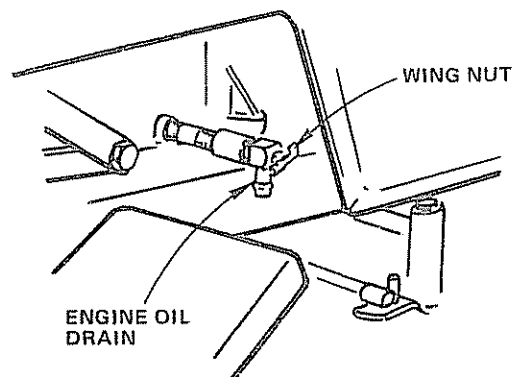


FIGURE 35

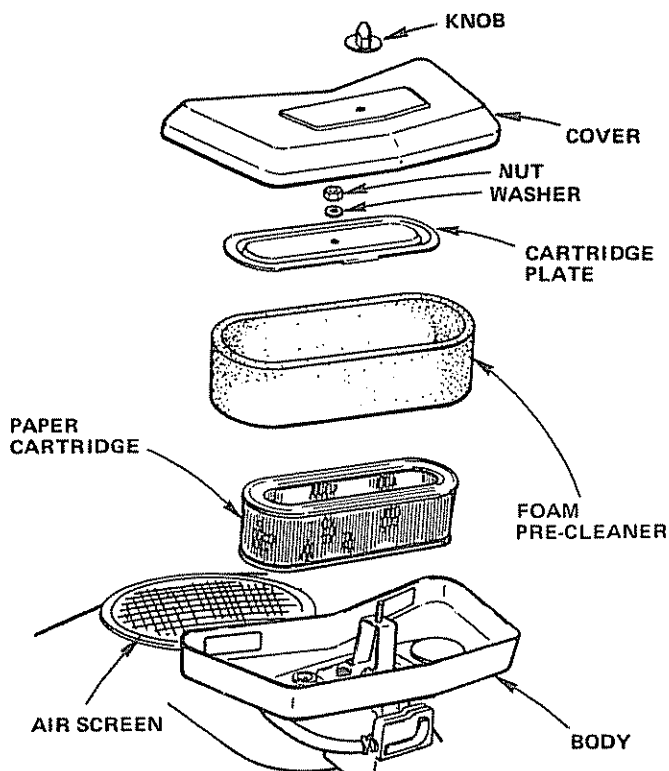


FIGURE 36

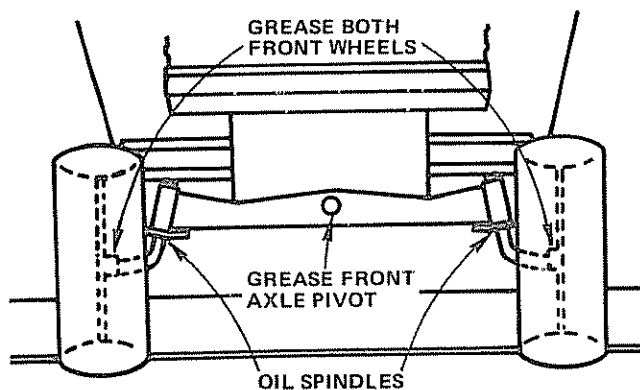


FIGURE 37

CUT-AWAY VIEW

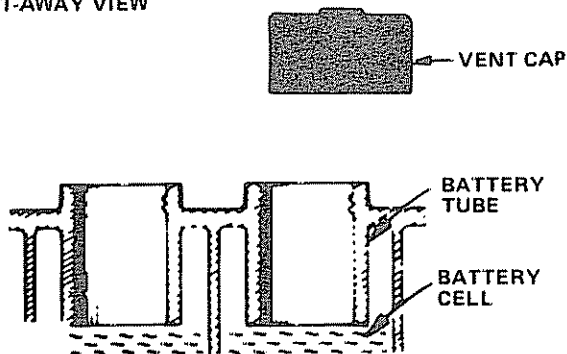


FIGURE 38

EVERY 25 HOURS

(EVERY 15 HOURS IF OPERATING IN VERY DUSTY CONDITIONS)

1. **CLEAN AIR CLEANER FOAM PRE-CLEANER (FIG. 36).**
 - a. Remove Knob and Cover.
 - b. Remove Foam Pre-Cleaner element by sliding it off of the Paper Cartridge.
 - c. Wash Foam Pre-Cleaner in liquid detergent and water.
 - d. Wrap Foam Pre-Cleaner in cloth and squeeze dry.
 - e. Saturate Foam Pre-Cleaner in engine oil. Squeeze to remove excess oil.
 - f. Install Foam Pre-Cleaner over Paper Cartridge. Reassemble Cover and Screw down tight.

Yearly or every 100 hours, whichever occurs first, remove Paper Cartridge. (Service more often if necessary). Clean by tapping gently on flat surface. If very dirty, replace Cartridge.

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

NOTE: NEVER RUN ENGINE WITH AIR CLEANER REMOVED.

2. CLEAN AIR SCREEN

Air Screen (Fig. 36) must allow free-flow of air to prevent Engine damage from overheating. Clean with a wire brush, compressed air or water pressure to remove dirt, chaff, stubborn dried gum and fibers.

3. CHANGE ENGINE OIL

The best time to drain 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 6.

4. CLEAN FRONT GRILL

The front Grill (Fig. 2) must allow free flow of air to prevent engine damage from overheating.

- a. Brush off debris.

5. LUBRICATE STEERING AND FRONT WHEELS

There is a grease fitting on each front wheel. Use a grease gun; give each grease fitting two shots of Extreme Pressure Lubricating Grease Amdex No. 1 or equivalent (available through your Sears Service Center). Use 30 weight oil to lubricate Front Spindles (Fig. 37). Use Amdex No. 1 to grease Front Axle Pivot (Fig. 37). Sears Part No. 2557R.

6. OIL PIVOT POINTS

Place several drops of S.A.E. 30 Oil at points where parts move against each other, especially:

- a. Front Axle Pivot.
- b. Hood Hinges.
- c. Foot Pedal Shaft (both ends).
- d. Lift Shaft (both ends).

SEE LUBRICATION CHART, PAGE 22.

7. CHECK BATTERY

- a. Electrolyte solution level in each Battery Cell should be even with bottoms of tubes in cells (Fig. 38). Add distilled water if necessary. **NOTE: DO NOT OVERFILL.**
- b. Keep Battery and Terminals clean. Refer to step 8.
- 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.

8. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to "leak" power and hinders the operation of the charger.

- a. Remove the Battery from the Tractor and wash 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 cable ends with a wire brush until bright. Replace Battery Cables. Coat terminal connections with Vaseline.

EVERY 50 HOURS

1. CLEAN ENGINE COOLING FINS

Remove any dust, dirt or oil from Engine Cooling Fins to prevent Engine damage from overheating. Air Guide Covers must be removed (Fig. 39). Remove eight 7/16" bolts and five phillips head screws to remove side and top covers. See Hood Removal, page 20.

2. MUFFLER

Do not operate the tractor without a Muffler (Fig. 40) or tamper with the exhaust system. 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.

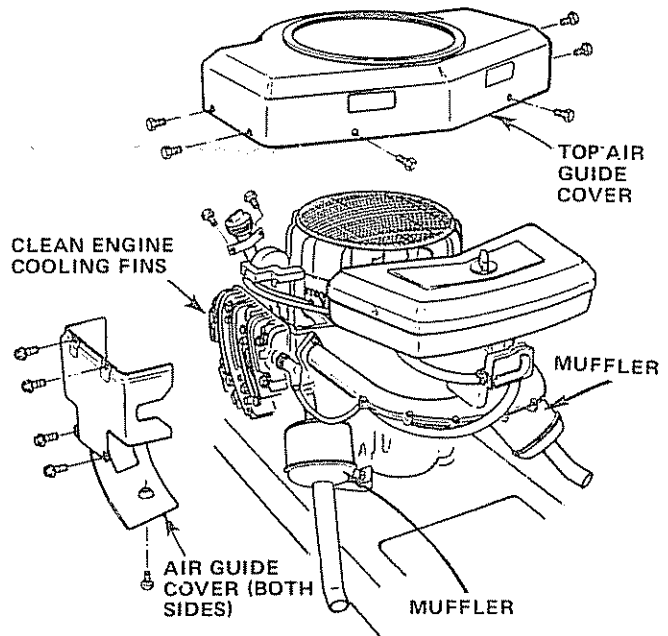


FIGURE 39



WEAR SAFETY GLASSES IF USING COMPRESSED AIR.

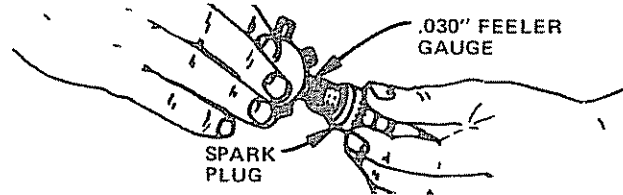


FIGURE 40

EVERY 100 HOURS

1. REPLACE SPARK PLUGS

Replace Spark Plugs at the beginning of each season or every 100 hours, whichever comes first. Gap should be set at .030 inch (Fig. 40).

2. LUBRICATE BALL JOINTS

- a. Move Rubber Boots to expose Ball Joints on Tie Rods and Steering Link (Fig. 41).
- b. Coat Ball Joints with Silicone Spray Lubricant.
- c. Reposition Rubber Boots.

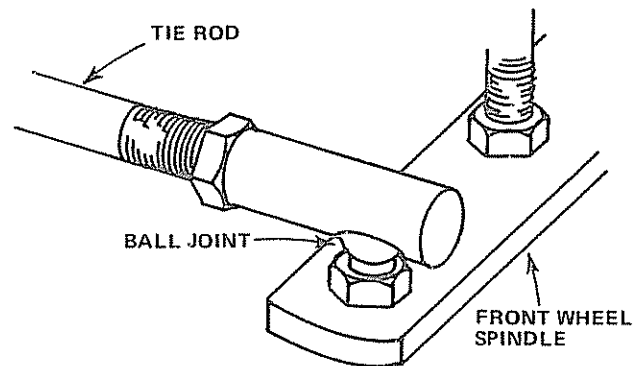


FIGURE 41

EVERY 200 HOURS

1. REPLACE AIR CLEANER PAPER CARTRIDGE

Refer to page 16.

2. REPLACE IN-LINE FUEL FILTER

- a. Remove Hose Clamps from Fuel Lines at Fuel Filter (Fig. 42).
- b. Remove Fuel Filter
- c. Place new Fuel Filter in position with fuel line (arrow on side of Filter in direction of Fuel Filter) and reinstall Hose Clamps.

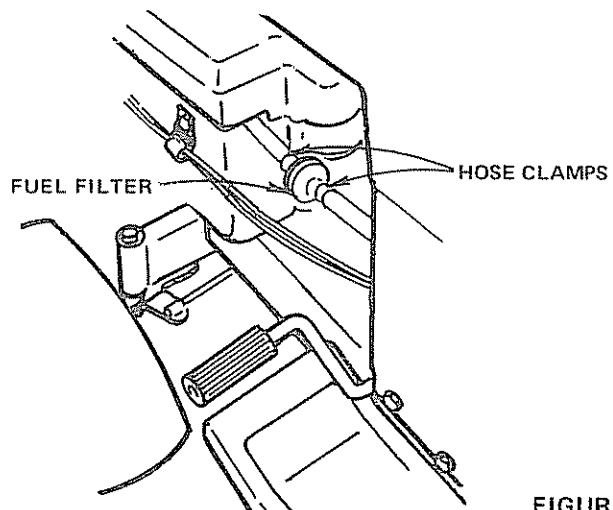


FIGURE 42



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

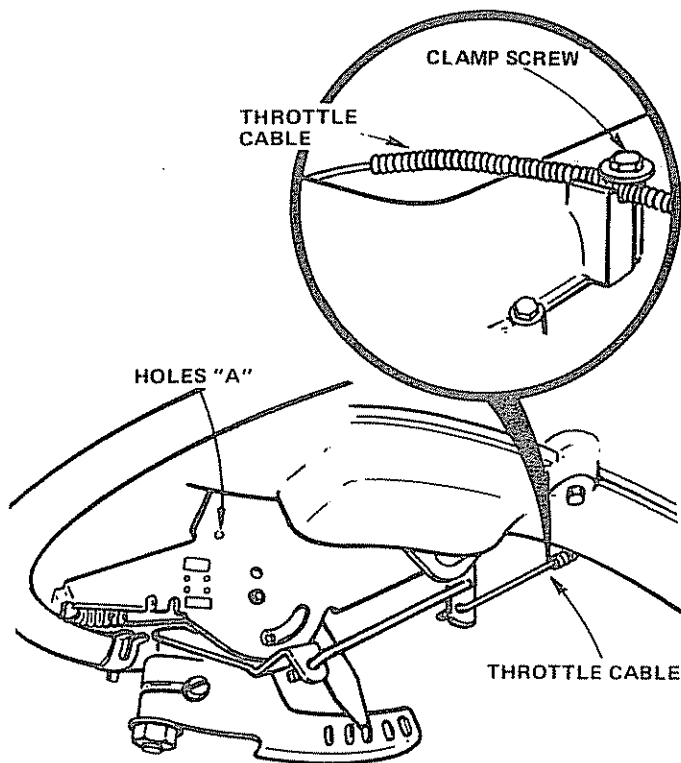


FIGURE 43

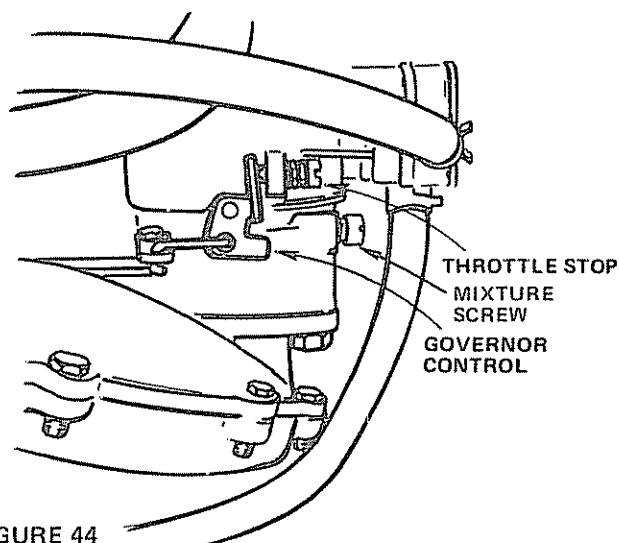


FIGURE 44

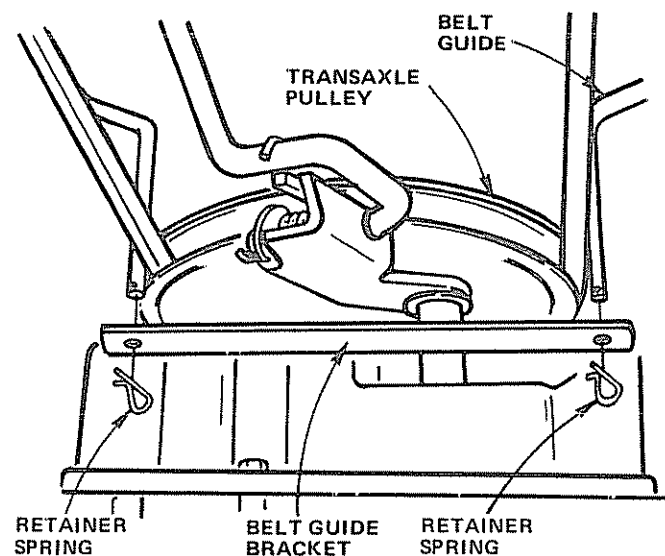


FIGURE 45

AS NEEDED

1. CARBURETOR ADJUSTMENT

- Never attempt to change maximum engine speed. This is preset at the factory and should only be changed by a qualified service technician who has the necessary equipment.
- Move Throttle Control (on the dashboard) to "SLOW" position.
 - Check that two holes "A" line up. If not, loosen Clamp Screw and adjust Throttle Cable until the two holes do line up (Fig. 43 - Inset).



REFER TO "STARTING THE ENGINE",
PAGE 6.

- Start Engine and allow to warm for five minutes. Make final adjustments with engine running.
- High Speed is fixed, no adjustment is possible.
- Adjust Carburetor Mixture Screw to suggested initial setting.
 - Turn Mixture Screw clockwise (↻) closing finger tight ONLY, and then turn counterclockwise (↺) 1 - 1/2 turns (Fig. 38). CAUTION: VALVE MAY BE DAMAGED IF TURNED IN TOO FAR.
- Hold Governor Control against Throttle Stop. Turn Mixture Screw clockwise (↻) until engine just starts to slow (Fig. 44).
- Turn Mixture Screw counterclockwise (↺) 1/2 turn.
- Move Throttle Control to "FAST". If engine hesitates or dies, turn Mixture Screw 1/4 turn counterclockwise (↺) until engine will accelerate as Throttle Control is moved from "SLOW" to "FAST".

2. 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 UNDER LEFT FOOT-REST.

- Remove mower. (See mower section, page 13).
- Remove two Retainer Springs from Belt Guide Bracket below Transaxle Pulley. Remove Bracket (Fig. 45).
- Swing Belt Guides away from Belt, toward rear of tractor (Fig. 45).
- Roll Belt over top of Transaxle Pulley.
- Roll Belt over Engine Pulley and off Idler (Fig. 47).
- 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. 47).
- Pull Belt out through Shift Gate to remove from tractor (Fig. 46).

Install Belt by reversing procedure on page 18. NOTE: REPLACE ONLY WITH BELT LISTED IN MANUAL.

3. CLEAN BATTERY AND TERMINALS

Corrosion and dirt on the Battery and Terminals cause the Battery to discharge.



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

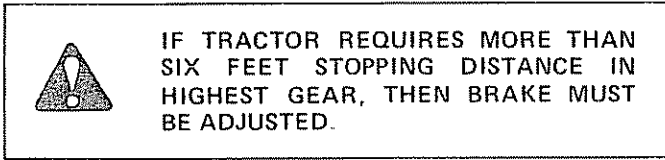
- a. Disconnect BLACK Battery Cable then RED Battery Cable and remove Battery from Tractor. Wash Battery with four tablespoons of baking soda to one gallon of water. NOTE: BE CAREFUL NOT TO GET THE SODA SOLUTION INTO THE CELLS. Rinse the Battery with plain water, dry and reinstall on Tractor.
- b. Clean 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 Vasoline.

4. CHECK FASTENERS

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

5. CHECK BRAKE OPERATION

This tractor is equipped with an adjustable disc brake mounted on the right side of the transaxle (Fig. 49).



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.

- a. To adjust, tighten Set Screw 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
- b. Depress Clutch-Brake Pedal and engage Parking Brake.
- c. Measure distance between Brake Operating Arm and Nut "A" on Brake Rod.
- d. 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.

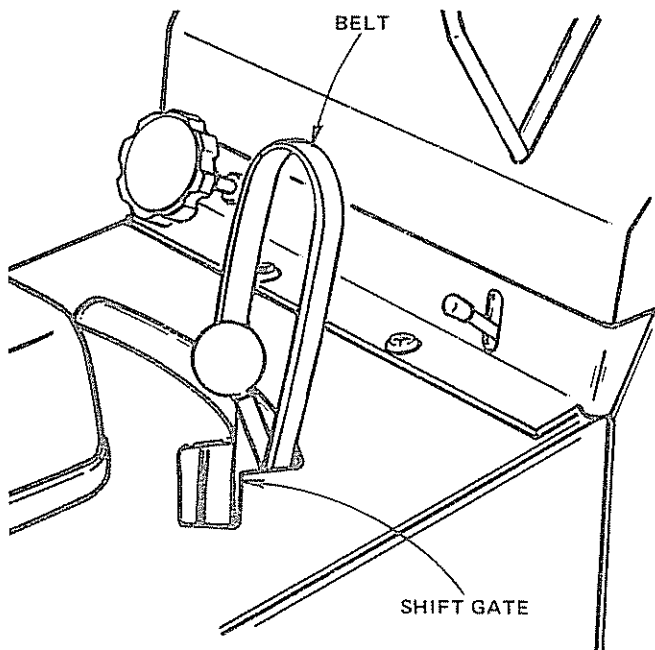
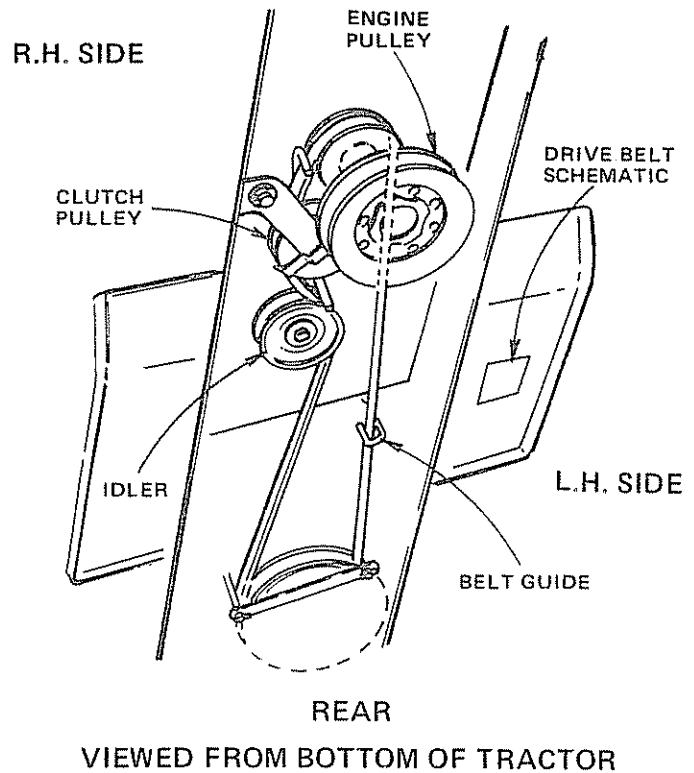


FIGURE 46



VIEWED FROM BOTTOM OF TRACTOR

FIGURE 47

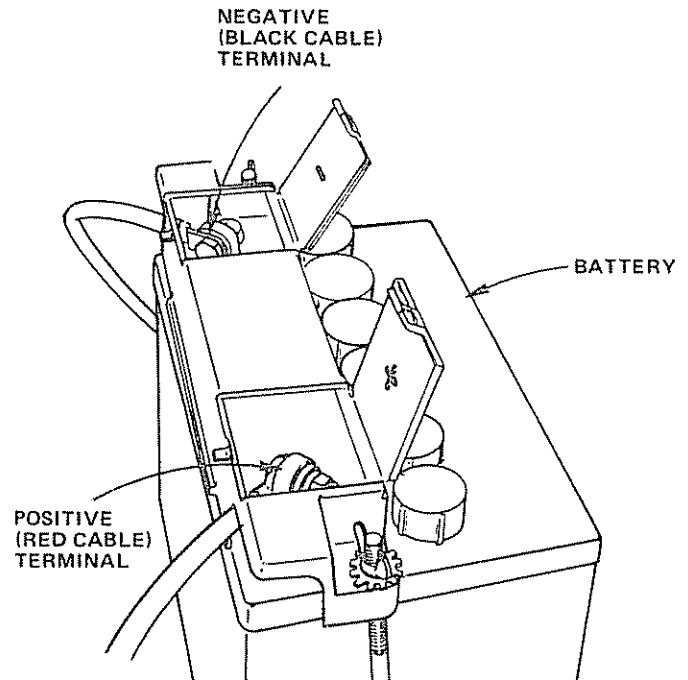


FIGURE 48

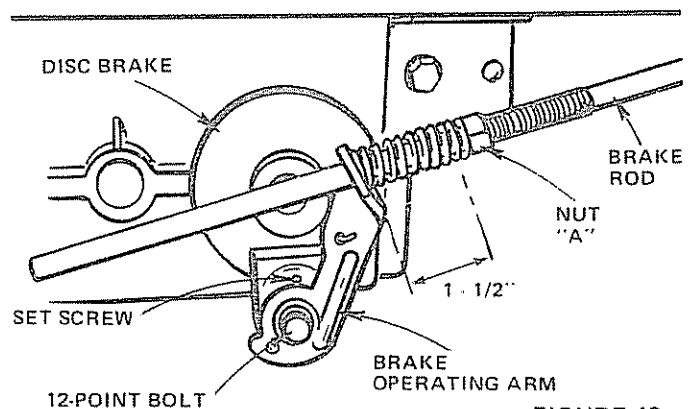


FIGURE 49

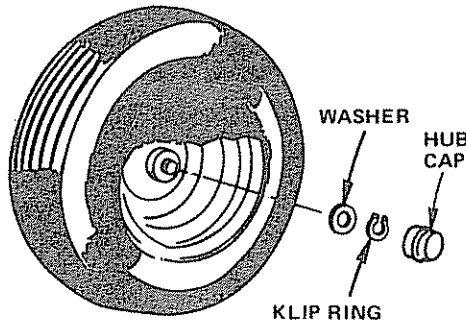


FIGURE 50

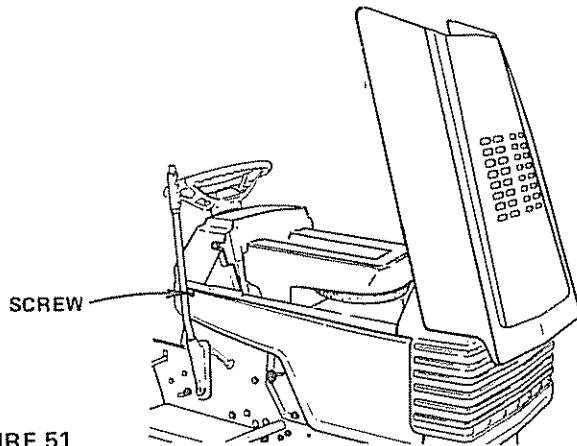


FIGURE 51

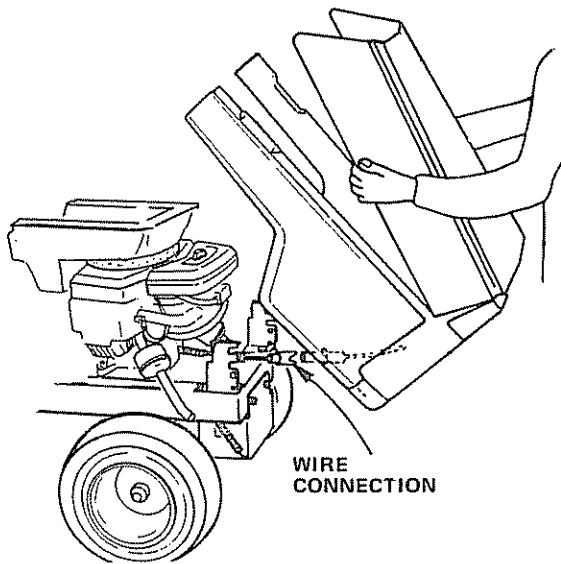


FIGURE 52

3. TIRE CARE

- a. Maintain tire pressure in front 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. 50).
 - Block up front axle securely.
 - Remove Hub Cap, Klip Ring and Washer to allow wheel removal.
 - Repair tire and reassemble. Replace Washer and snap Klip Ring securely in axle groove. Replace Hub Cap.
- e. Removing rear wheel for tire repair.
 - Block up rear axle securely.
 - Remove Hub Cap, Klip Ring and Washers.
 - Repair tire and reassemble. Replace Tire, Washers, Klip Ring and Hub Cap.



WHEN MOUNTING TIRES, UNLESS BEADS ARE SEATED, OVERINFLATION CAN CAUSE A FATAL EXPLOSION.

7. FINISH

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

8. HOOD REMOVAL

- a. Lift Hood. Disconnect Headlight Wiring Connection (Fig. 52).
- b. Unscrew one Screw at rear of each Side Panel (Fig. 51).
- c. Pivot Hood and Side Panel forward and lift off tractor (Fig. 52).
- d. To replace, reverse the above procedure.

TROUBLE SHOOTING POSSIBLE CAUSE	POSSIBLE REMEDY
WILL NOT START Clutch-Brake Pedal in drive position Attachment Clutch Lever in "ENGAGED" position No gasoline in Fuel Tank or clogged Fuel Line or Fuel Filter Blown Fuse Dead Battery Defective Ignition or loose Wiring Spark Plug fouled	Push Pedal into brake position (Fig. 8). Move Lever to "DISENGAGED" position (Fig. 9) Fill Tank with fresh Gasoline. Check Fuel Filter (Fig. 42) and Carburetor (clean if necessary) Check for fault and replace Fuse Recharge or replace Battery Check Wiring Replace Spark Plug and adjust gap (Fig. 40)
HARD TO START Choked improperly, flooded Engine Clogged Fuel Tank, Fuel Line or Fuel Filter Spark Plug fouled Defective Battery Defective Ignition or loose wiring Water in gasoline or old fuel Improper Carburetor adjustment Poor compression	Place Throttle Control in fast position (Fig. 9) and run starter several times to clean out gas Remove and clean. Replace Filter (Fig. 42) Replace Spark Plug and adjust gap (Fig. 40) Recharge or replace Check the wiring and Spark Plug Drain Fuel Tank and Carburetor. use fresh fuel and replace Spark Plug Make necessary adjustments (page 18) Major engine overhaul
ENGINE MISSES OR LACKS POWER Engine overloaded Clogged Fuel Filter Clogged Fuel Tank Partially plugged Air Cleaner Improper Carburetor adjustment Dirty Air Screen Low oil level Spark Plug fouled, improper gap or wrong type Faulty ignition Poor compression Gasoline in oil Dirty Air Cleaner	Shift to a lower gear or reduce load Remove and replace (Fig. 42) Remove and clean Remove and clean (Fig. 36) Make necessary adjustments (page 18) Clean Air Screen, Cooling Fins (Fig. 39) and Muffler Add or change oil (page 15) Replace Spark Plugs and adjust gap (Fig. 40) Check Spark Plugs and for any loose wires Major Engine overhaul Drain Engine oil and refill Remove and clean (Fig. 36)
ENGINE OVERHEATS Dirty Air Screen Low oil level Dirty Engine Partially plugged Muffler Improper Carburetor adjustment	Clean Air Screen (Fig. 36) Add or change oil (page 15) Clean Cylinder Fins, Air Screen and Muffler area Remove and clean Muffler (Fig. 39) Adjust Carburetor (page 18)
NO LIGHTS No Headlight with Light Switch in "ON" position and engine running	Check Wire Connections and Switch, Replace Light Bulbs
WON'T CHARGE Blown Fuse Defective Battery	Check for fault and replace Replace

STORAGE

1. FUEL SYSTEM

NOTE: THE USE OF A FUEL ADDITIVE, SUCH AS STABIL, OR AN EQUIVALENT, WILL MINIMIZE THE FORMATION OF FUEL GUM DEPOSITS DURING STORAGE. SUCH AN ADDITIVE MAY BE ADDED TO THE GASOLINE IN THE FUEL TANK OF THE ENGINE, OR TO THE GASOLINE IN A STORAGE CONTAINER.

If Sta-Bil is not used all fuel should be removed from fuel tank.

- 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 6).

3. CYLINDERS

- Remove Spark Plugs

- Pour one ounce of oil through spark plug holes into cylinders.
- Turn Ignition Key to "START" position for a few seconds to distribute oil.
- Replace with new Spark Plugs.

4. BATTERY

- Remove battery if tractor is not used regularly during winter months. Store in cool, dry place (above 50°F.). CAUTION: A DIRTY BATTERY CAN RUIN A FLOOR CLEAN BATTERY BEFORE STORAGE.
- 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, seat, finish, etc. of all foreign matter.

6. STORE IN A CLEAN AND DRY AREA.

Sears, Roebuck and Co. reserves the right to make any changes in design or improvements without imposing any obligation to install the same upon its items heretofore manufactured.

SEARS
OWNERS
MANUAL

MODEL NO.
917.255820

HOW TO ORDER
REPAIR PARTS

YT 16 TWIN
5 SPEED
YARD TRACTOR

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 Yard 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".