Owner's Operating Service Instruction Manual

10¢

- ASSEMBLY
- OPERATION
- REPAIR PARTS

Model Nos.
134-480A
134-485A

34" RIDING MOWERS

WARRANTY

For one year from date of purchase, MTD Products Inc will replace for the original purchaser, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. All transportation charges on parts submitted for replacement under this warranty must be paid by the purchaser. This warranty does not include replacement of parts which become inoperative through misuse, excessive use, accident, neglect, improper maintenance or alterations by unauthorized persons. This warranty does not include the engine, motor, battery, battery charger or any component parts thereof. For service on these units, refer to the applicable manufacturer's warranty.

The above warranty will apply only to the original owner and will be effective only if the warranty card has been properly processed. It will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. UNDER NO CIRCUMSTANCES WILL THE RETURN OF A COMPLETE UNIT BE ACCEPTED BY THE FACTORY UNLESS PRIOR WRITTEN PERMISSION HAS BEEN EXTENDED.

MTD PRODUCTS INC • 5389 WEST 130th STREET • P. O. BOX 2741 CLEVELAND OHIO 44111

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FORM NO. 770-4868

IMPORTANT

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. Know the controls and how to stop quickly—READ THE OWNER'S MANUAL.
2. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction.
3. Do not carry passengers. **Keep children and pets a safe distance away.**
4. Clear work area of objects which might be picked up and thrown.
5. Disengage all attachment clutches and shift into neutral before attempting to start engine (motor).
6. Disengage power to attachment(s) and stop engine (motor) before leaving operator position.
7. Disengage power to attachment(s) and stop engine (motor) before making any repairs or adjustments.
8. Disengage power to attachment(s) when transporting or not in use.
9. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
10. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
11. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
12. Stay alert for holes in terrain and other hidden hazards.
13. 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(s) or wheel weights when suggested in owner's manual.
14. Watch out for traffic when crossing or near roadways.
15. When using any attachments never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
16. Handle gasoline with care—it is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage — exhaust fumes are dangerous. Do not run engine (motor) indoors.
17. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
18. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
19. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
20. To reduce fire hazard keep engine free of grass, leaves or excessive grease.
21. 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.
22. Do not change the engine governor settings or overspeed the engine.
23. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine (motor) is running if operator must dismount to do so.
    (3) Shut engine (motor) off when removing grass catcher and/or unclogging chute.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
24. Check grass catcher bags frequently for wear or deterioration. Replace with new bags for safety protection.

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GRASS CATCHER Model No. 194-015A is available as optional equipment for the mowers shown in this manual.

WARNING

The mower should not be operated without the entire grass catcher or chute deflector in place.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.
For replacement bags, use only factory authorized replacement bag No. 764-121.

IMPORTANT: After striking a foreign object, stop the engine (motor). Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

The steering wheel and seat, with the necessary hardware, are easily assembled to the machine. On the electric starter models, the battery must be activated and installed as outlined in this section.

TIRE PRESSURE

For shipping purposes the tires on your unit may be over-inflated. Tire pressure should be reduced before unit is put into operation. Pressure should not exceed 15 P.S.I. Equal tire pressure should be maintained.

NOTE

Reference to right-hand or left-hand side of machine is from the driver's seat facing forward.

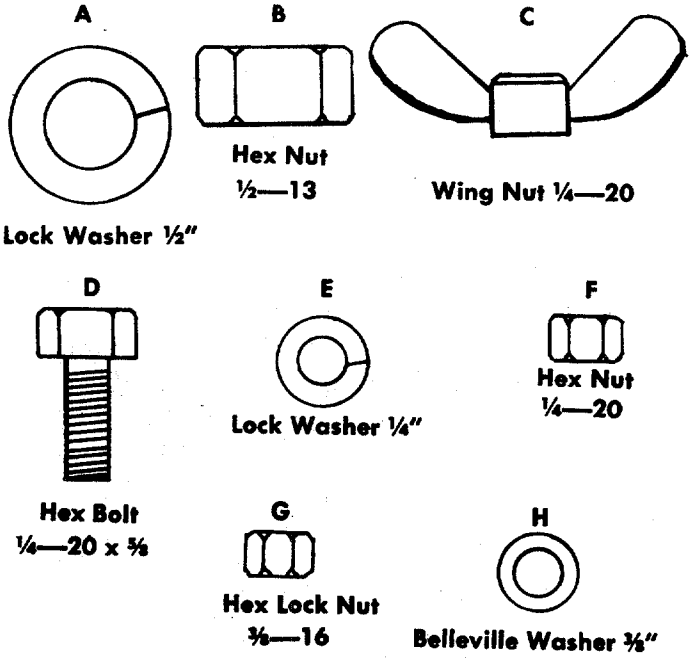


FIGURE 1. HARDWARE SUPPLIED

Step 1. Remove the lawn mower and all parts from the carton. Make certain that all loose parts and literature have been removed before the carton is discarded.

Step 2. Place steering wheel over steering shaft.

Step 3. Secure with Belleville washer and hex nut. See figure 2.

Step 4. Press the cap on the steering wheel by hand. See figure 2.

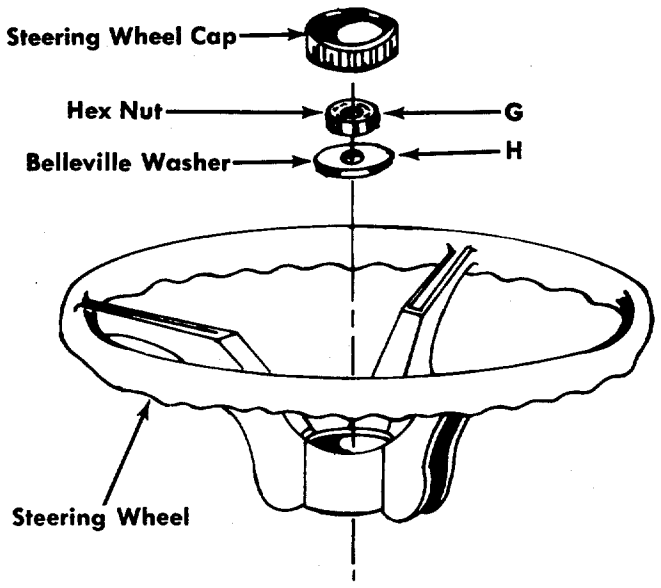


FIGURE 2. STEERING WHEEL ASSEMBLY

Step 5. Your molded seat comes with the mounting bolt molded in the seat.

A. Select one of three hole locations on seat spring.

B. Place seat on spring and secure with lockwasher (A) and hex nut (B). See figures 1 and 3.

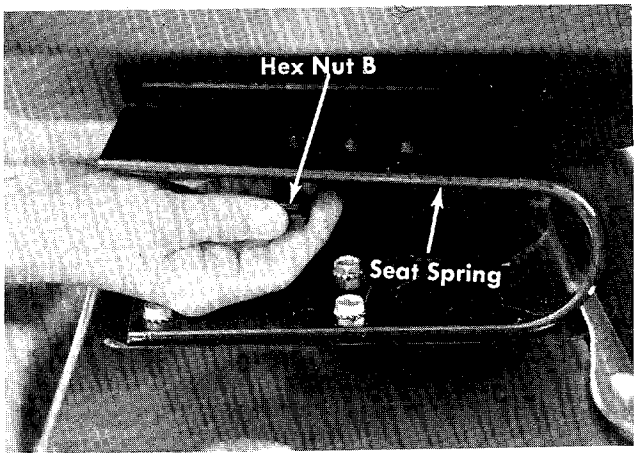


FIGURE 3 SEAT ASSEMBLY

NOTE

Check ALL nuts and bolts for correct tightness.

ACTIVATING THE BATTERY (Electric Start Models Only)

Step 6.

WARNING

Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding. If acid is accidentally spilled on battery during filling or charging, or on bench or clothing, etc., flush off with clear water and neutralize with soda or ammonia solution.

1. Place battery to be filled on bench or workbench. Never activate battery in mower. Remove vent plugs from all cells.

2. Fill each cell carefully using battery grade 1.250-1.265 specific graviy. Sulfuric acid to ⅜" above the top of the separators or to the split ring.

3. Allow battery to set for 20 minutes. Battery can then be installed, however, to have maximum capacity the battery should be placed on a charger after the 20 minutes setting period. Battery can be charged at maximum of 35 amperes until the specific gravity reading is 1.265-1.275.

4. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less than 1.225 remove battery and recharge.

5. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells. Coat the terminals with a thin coat of grease.

6. If the battery is not going to be used in the winter, remove the battery and store in a cool, dry place. Do not store directly on a concrete floor as this will drain the battery. Recharge whenever the specific gravity is less than 1.225.

7. Install the battery.

   a. Open the hood of the mower.

   b. Place the battery with the terminals to the FRONT in the battery case. See figure 4.

   c. Hook both hold-down rods under the battery case and place the hold down over the battery caps and secure with wing nuts C.

CAUTION

Be sure the flared edge of the hold down is facing up to avoid damage to the battery.

d. Attach the free end of the positive cable and the small wire from the ammeter, to the positive battery terminal with bolt D, washer E and nut F. The battery terminal is marked +.

e. Attach the free end of the negative cable to the negative terminal with bolt D, washer E and nut F. Battery terminal is marked –.

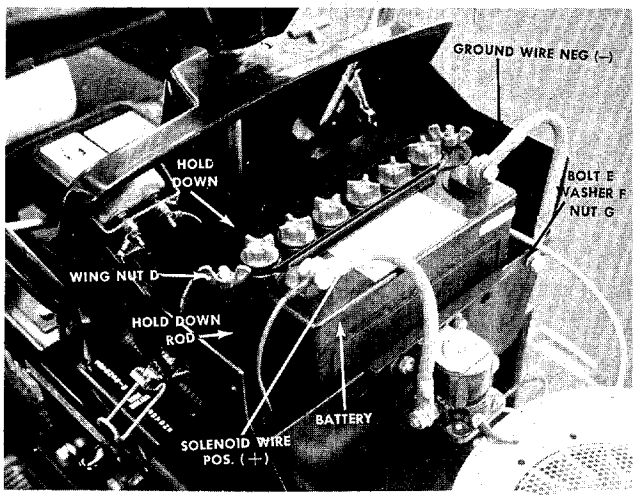


FIGURE 4. INSTALLING THE BATTERY

CONTROLS

The controls on both models may be considered as the Drive Control and the Cutting Control as follows:

a. **Throttle Control.** The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from ¾ to full throttle when operating the cutting deck or snow thrower (optional). See figure 5.

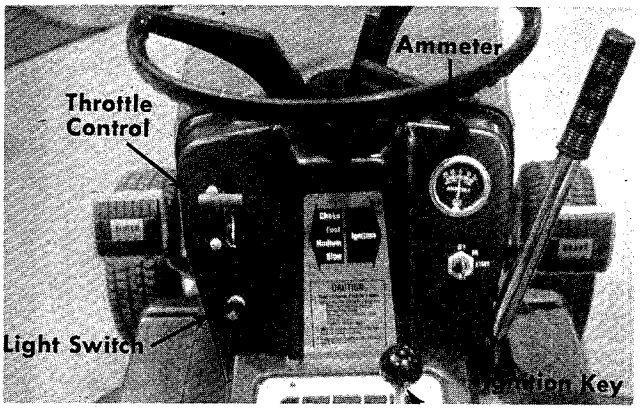


FIGURE 5. CONTROLS

b. **Gear Shift Lever.** The gear shift lever is used to shift into one of four **Forward Gears,** NEUTRAL or REVERSE. See figures 5 and 6.

c. **Brake.** The brake pedal is located on the right hand side of the mower and is operated by depressing it with your right foot. See figure 7.

d. **Brake Lock.** The brake lock is located on the right hand side of the mower. To lock the brake, depress the brake pedal and lift up the lock button. The pedal will stay depressed. To release, depress the pedal. See figure 7.

e. **Clutch Pedal.** The clutch pedal is used to disengage the drive mechanism. Depressing the clutch pedal at any time will reduce mower speed. If depressed all the way, it will stop the mower. See figure 8.

f. **Clutch Lockout.** When the clutch pedal is depressed all the way it can be locked by placing the clutch lockout in the START position as shown in figure 8. The clutch lockout must be in this position before the engine will start.

g. **Stop Lever.** The stop lever allows you to regulate the maximum ground speed of the riding mower by setting the stop lever in any one of the five settings. The farther forward the stop lever is set, the faster the ground speed. See figure 8.

h. **Ammeter. (Electric Start Model Only.)** The ammeter registers the rate of battery charge or discharge. The ammeter should register on the plus side (+) when the engine is running in the fast position until the battery is completely charged. With a fully charged battery or with the engine idling the ammeter will not show a charge See figure 5.

i. **Light Switch. (Electric Start Only.)** Pull the light switch out to turn on the lights. The lights will only operate when the engine is running. See figure 5.

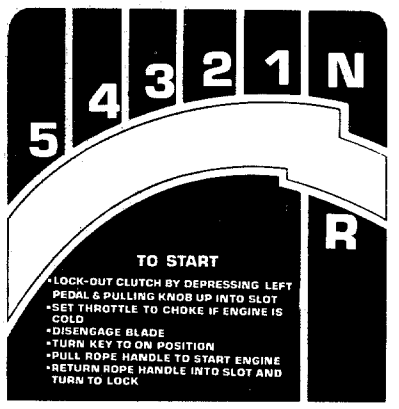


FIGURE 6. SHIFT PATTERN (Recoil)

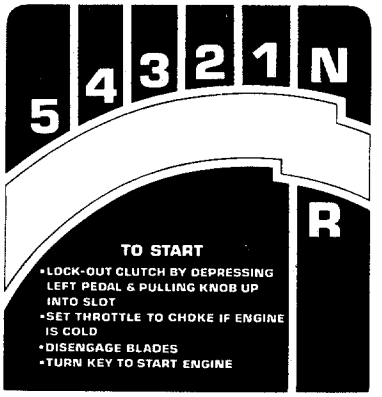


FIGURE 6a. SHIFT PATTERN (Electric)

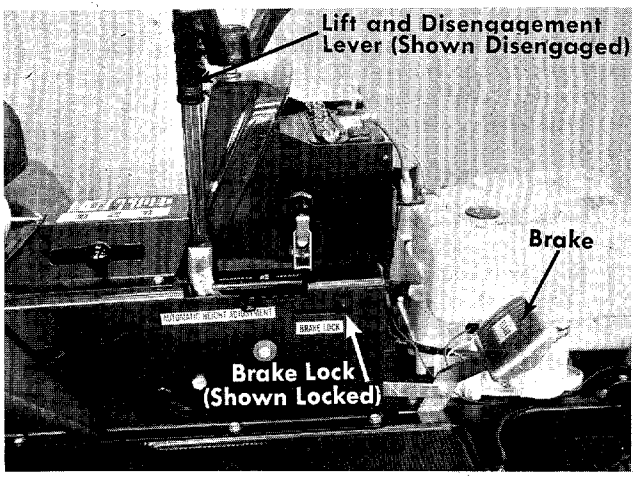


FIGURE 7. RIGHT HAND CONTROLS

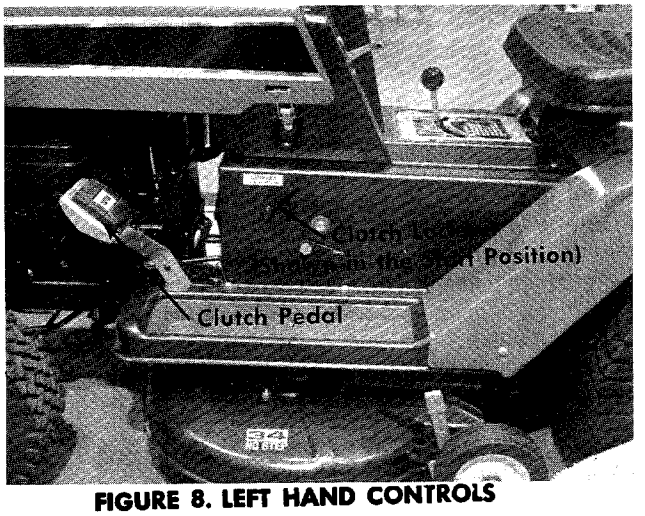


FIGURE 8. LEFT HAND CONTROLS

j. Ignition Switch. The ignition switch is located on the right side of the dashboard.

Recoil Model. See figure 9. Turn the key to the ON position when starting the engine. To stop the engine turn the key to the left to the OFF position and remove the key to prevent accidental starting.

Electric Start. See figure 5. Turn the key to the START position to start the engine. When the engine is running, let the key return to the ON position. To stop the engine, turn the key to the left to the OFF position and remove it to prevent accidental starting.

NOTE

The engine will not start unless the clutch lockout is in the START position and the lift lever is in the DISENGAGED position.

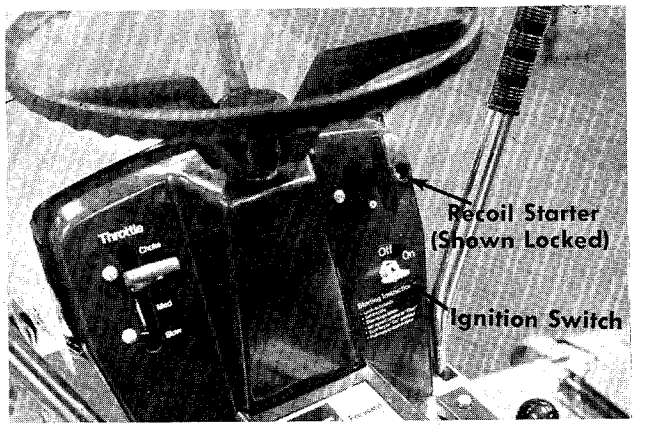


FIGURE 9. RECOIL STARTER

k. Recoil Starter. The recoil starter is located on the right side of the dashboard. The recoil starter can either be pulled while seated on the rider or pulled while standing behind the rider. The ignition key must be on before the engine will start. After the engine starts, the recoil starter handle must be returned and locked into the dashboard before the blades or clutch are engaged. The engine will stop if you do not follow these instructions. See figure 9.

l. Lift and Disengagement Lever. It is used to raise the cutting deck. Pulling it all the way back and locking it disengages the blades. The engine will not start unless the lift and disengagement lever is in the disengaged position. See figure 7.

m. Cutting Controls. The cutting controls consist of the height of cut stop and the wheel height adjusters.

Height of Cut Stop. See figure 10. Lift the stop and set it at the desired cutting height.

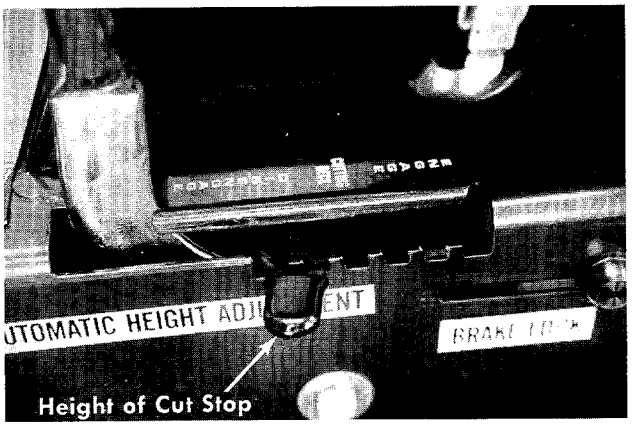


FIGURE 10. HEIGHT OF CUT SETTINGS

Wheel Height Adjuster. See figure 11. Move the lever towards the wheel and set it in the desired cutting height.

The cutting height of the mower can be set in two different ways: FULL FLOAT position where the deck follows the contour of the ground, and the SUSPENDED position where the deck hangs from the frame of the rider. The suspended position is normally used for cutting rough uneven ground.

To set the cutting deck in the full float position, set the wheel height adjusters in the desired cutting height as indicated in figure 11. Set height of cut stop in the 1½ position. See figure 10.

To set the cutting deck in the suspended position, set the height of cut stop in the desired cutting height and then set the deck wheel so they just clear the ground.

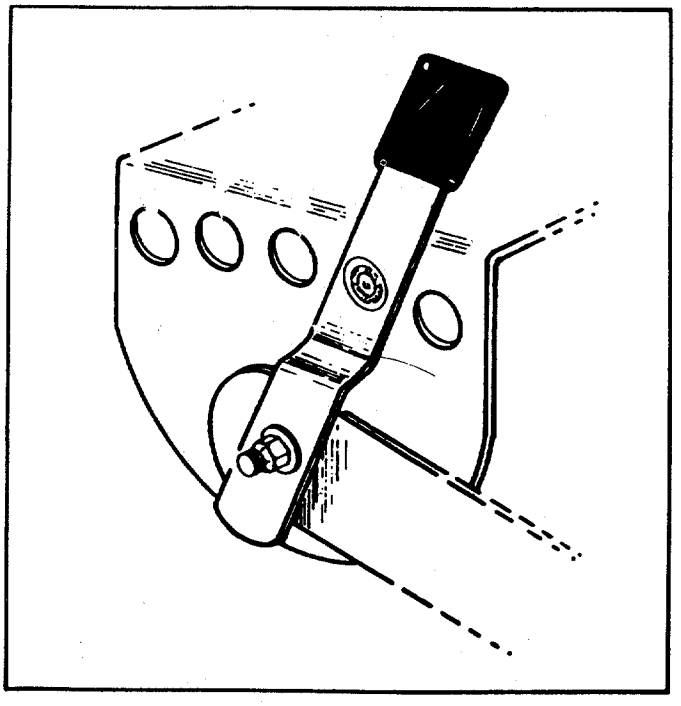


FIGURE 11. WHEEL HEIGHT ADJUSTER

CAUTION

Parking Brake MUST be disengaged before unit is put into motion.

NOTE

Unit is equipped with separate brake and clutch pedals. To efficiently stop, it is necessary to disengage clutch when applying brakes.

OPERATING INSTRUCTIONS

STARTING THE ENGINE

Be sure to follow the instructions for the oil and gasoline as described in the engine manual.

Step 1. Be sure the fuel shut-off valve is open. See figure 12.

Step 2. Place the clutch lockout in the START position. See figure 8.

Step 3. Place the lift and disengagement lever in the DISENGAGED position. See figure 7.

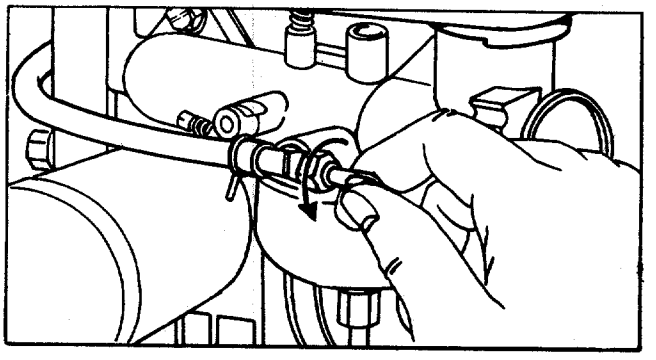


FIGURE 12. FUEL SHUT-OFF VALVE

Step 4. Set the throttle control in the CHOKE position. See figure 5.

Step 5. **Recoil Starter.**

a. Turn the ignition key to the ON position. See figure 13.

b. Grasp the recoil starter, unlock it by twisting it ¼ turn and pull it out sharply and hold it in the out position.

c. Slowly release the recoil starter and lock it into the dashboard as shown in figures 13 and 15.

Electric Start

See figures 15 and 17. Turn the ignition key to the START position. When the engine is running, let the key return to the ON position.

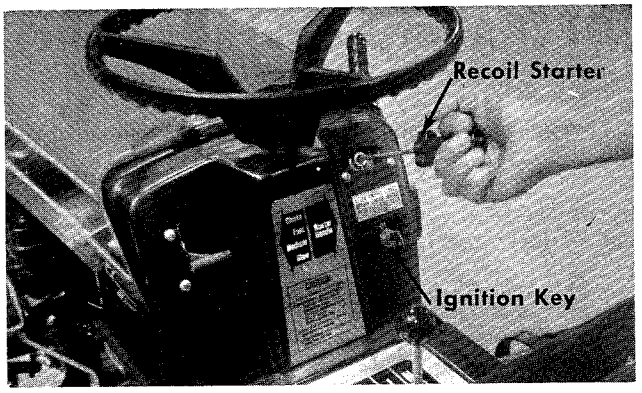


FIGURE 13. RECOIL STARTER

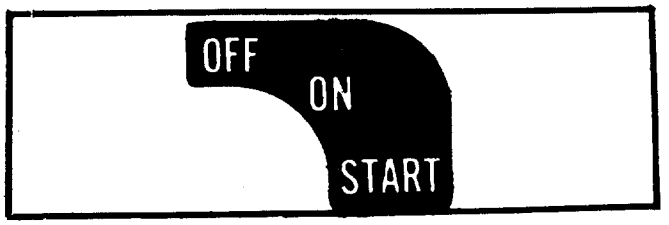


FIGURE 14. STARTER SWITCH

TO START

- Lock-out clutch by depressing left pedal & pulling knob up into slot
- Set throttle to choke if engine is cold
- Disengage blade
- Turn key to on position
- Pull rope handle to start engine
- Return rope handle into slot and turn to lock

FIGURE 15. STARTING INSTRUCTION LABEL

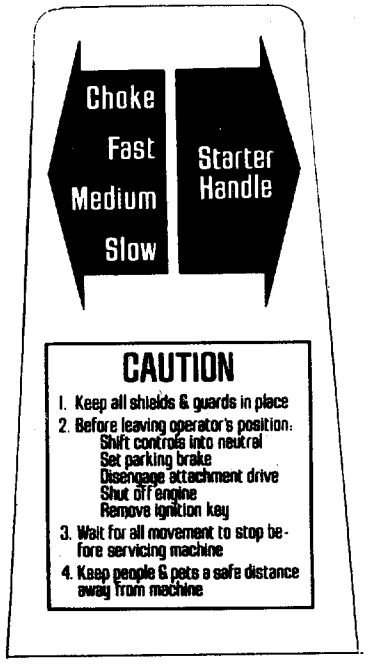


FIGURE 16. DASH PANEL LABEL (Recoil Starter)

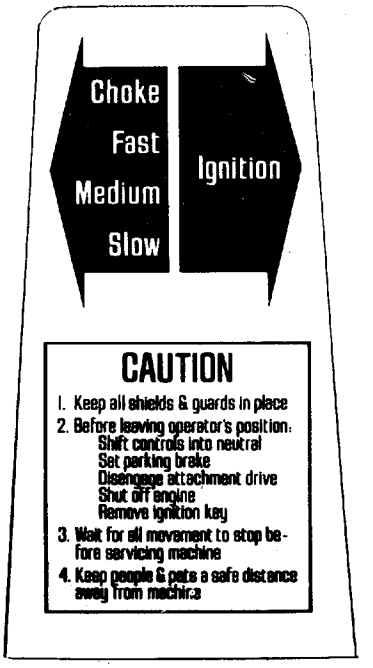


FIGURE 17. DASH PANEL LABEL (Electric Starter)

To stop either model, turn the key to the left to the OFF position and remove the key to prevent accidental starting.

NOTE

A brief break-in period is essential to ensure maximum engine and mower life. This consists of running the engine at half speed for a period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 2 hours of operation.

STOPPING THE ENGINE

Turn the ignition key to the left to the OFF position and remove the key to prevent accidental starting.

OPERATING THE MOWER

Step 1. Set the desired cutting height.

Step 2. Start the engine as outlined on page 6.

Step 3. Select gear and shift.

NOTE

As you become familiar with the operation of the mower you can move the stop lever to a faster position.

Step 4. While holding down the clutch pedal, move the clutch lockout lever forward.

Step 5. Put the gear shift lever into either FORWARD or REVERSE.

NOTE

DO NOT force the gear shift lever! If the lever cannot be moved from NEUTRAL to one of the drive positons, release the clutch pedal slowly, depress it again, and then move the gear shift lever as required.

Step 6. Once the machine is in motion, remove foot from the pedal. The mower will now move ahead or to the rear, and the use of the steering wheel will provide directional control.

Step 7. The mower is brought to a stop by pressing your right foot against the brake pedal and your left foot against the clutch pedal. The drive belt will be disengaged and the brake will be applied.

CAUTION

Gear changing should be done only after the mower has been brought to a full stop. If the mower is not to be used for a long period, place the gear shift lever in NEUTRAL and stop the engine. DO NOT leave the machine on an incline.

OPERATING THE CUTTER BLADE

The cutting blades may be engaged while the mower is moving or standing still. DO NOT engage the cutting blades abruptly as the sudden belt tension on the pulley may cause the engine to stall.

WARNING

When the blade drive is engaged, keep feet and hands away from the discharge opening and from the blade.

To stop the blades, move the lift and disengagement lever (figure 7) into the DISENGAGED position. This raises the deck and disengages the blades.

NOTE

When the machine is used for other than mowing operations the blade drive should be disengaged.

MAINTENANCE

CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

Oil Check

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil should be kept between the add and full marks on the dipstick.

After the first five hours of operating a new engine, drain the oil (See figure 18.) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. This procedure ensures for minimum wear of engine parts and provides for virtually trouble-free operation. To change the oil, proceed as follows:

Step 1. With the machine on level ground, place a suitable metal container under the oil drain plug, then remove the drain plug. See figure 18.

Step 2. After the oil has been drained completely from the crankcase, replace the drain plug and tighten.

Step 3. Refill crankcase with 2¼ pints of good quality, type MS, Engine oil into the crankcase. Summer use SAE 30; Winter (Below 40° F) use SAE 5W-20 or SAE 10W.

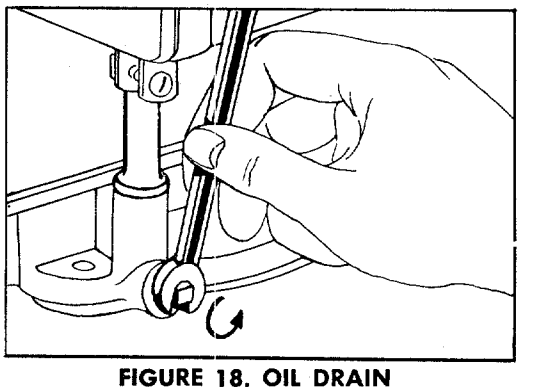


FIGURE 18. OIL DRAIN

LUBRICATION

Lubricate the wheel bearings (2 per wheel) and the upper and lower spindle bearings with SAE 30 oil once a season. See figure 19.

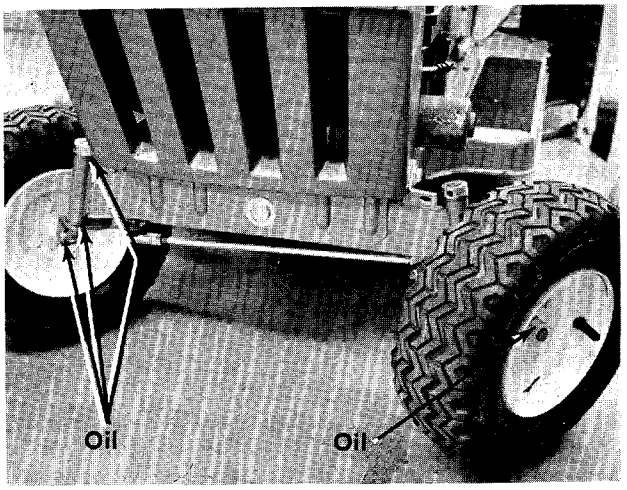


FIGURE 19. WHEEL AND SPINDLE BEARINGS

Lubricate the four rear axle bearings with SAE 30 oil once a season. See figure 20.

The chain can be lubricated by wiping it with an oily rag.

The differential and transmission are sealed at the factory and require no further lubrication.

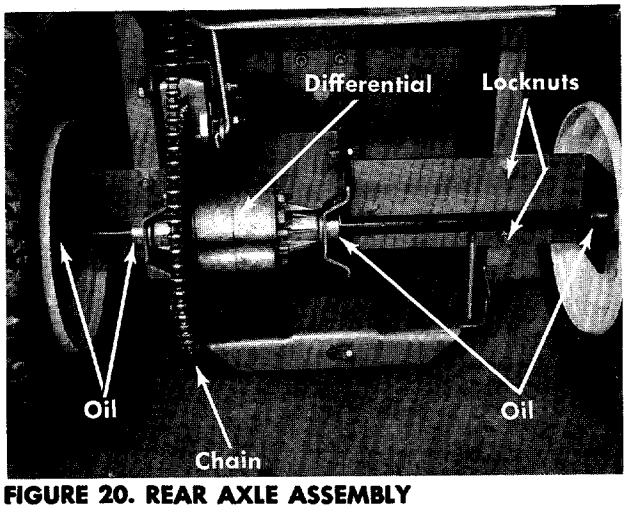


FIGURE 20. REAR AXLE ASSEMBLY

CHAIN ADJUSTMENT

To tighten the chain, loosen two locknuts on each sid of rear axle as shown in figure 20.

Tighten the adjusting nuts (figure 21) equally on bot sides. Tighten until the chain has ½ inch slack betwee the sprockets.

The adjusting nuts can be tightened individually to align the axle.

Tighten the 4 locknuts after the adjustment is made.

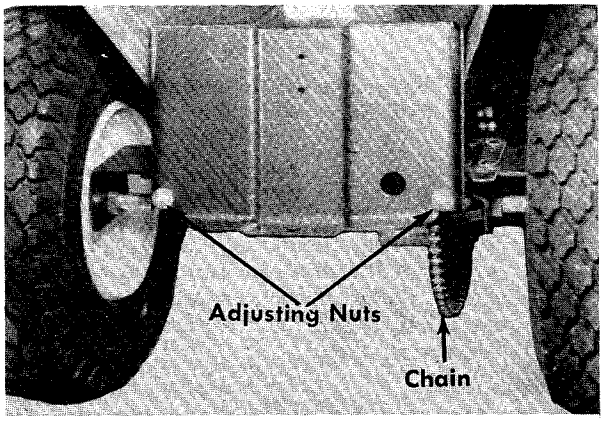


FIGURE 21. CHAIN ADJUSTMENT

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions the air cleaner must be serviced after every hour of operation. Refer to figure 22.

When assembling the air cleaner, make certain the lip of the foam element extends over edge of the air cleaner body. The foam element will form a protective seal.

Step 1. Remove two screws and lift off complete air cleaner assembly.

Step 2. Remove screen and spacers from foam element.

Step 3. Remove foam element from air cleaner body.

Step 4. a. Wash foam element in kerosene or liquid detergent and water to remove dirt.

b. Wrap foam in cloth and squeeze dry.

c. Saturate foam in SAE 30 engine oil, then squeeze out excess oil.

d. Assemble parts, fasten to carburetor with screw.

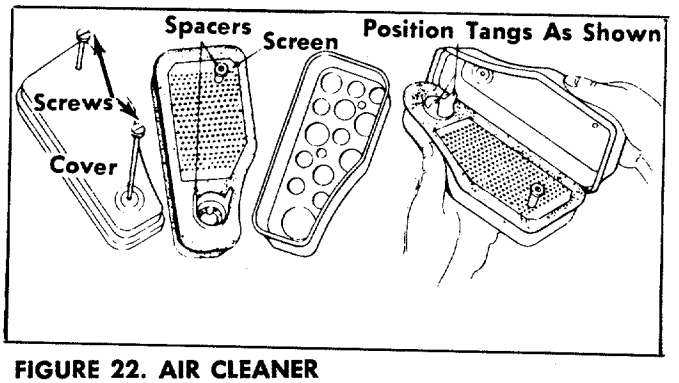


FIGURE 22. AIR CLEANER

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

TIRES

The tires should be inflated to 7 to 10 psi. A punctured tire may be repaired in the same manner as an automobile tire.

BELTS

Check that belts are free of oil or dirt. Wipe the belts periodically with a clean rag.

NOTE

Belt tension is automatically maintained by the spring on the variable speed bracket on the drive belts and the belt tension on the deck belt is maintained by the two deck springs.

SPARK PLUG

The spark plug gap should be cleaned and reset to a 0.030-inch clearance every 25 hours of engine operation (See figure 23). Spark plug replacement is recommended at the start of each mowing season; check engine parts list for correct plug type.

NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

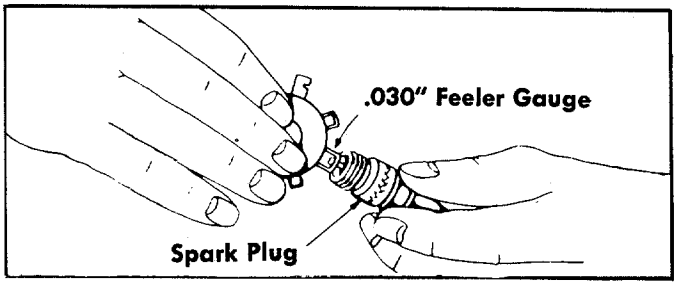


FIGURE 23. SPARK PLUG CLEARANCE

REPLACING BLADE

WARNING

Before beginning work on the cutter blade, remove the spark plug from the cylinder.

Removing and Sharpening Blades. Remove the center bolt and lockwasher. See figure 24. Pull the blade and blade adapter from the blade spindle.

The adapter can be removed from the blade by removing the two adapter bolts, lockwashers and nuts.

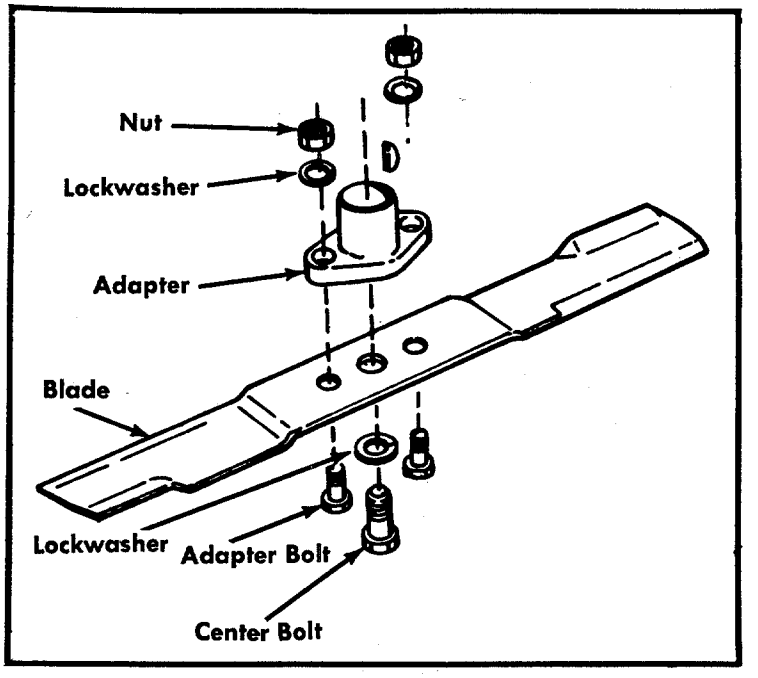


FIGURE 24. BLADE REMOVAL

WHEEL ADJUSTMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) requires no adjustment. Automotive steering principals have been used to determine the caster and camber on the tractor. The front wheels should toe-in 1/8 inch.

To adjust the toe-in follow these steps.

1. Remove the elastic locknut and drop the tie rod end from the wheel bracket.
2. Loosen the hex jam nut on tie rod.
3. Adjust the tie rod assembly for correct toe-in.

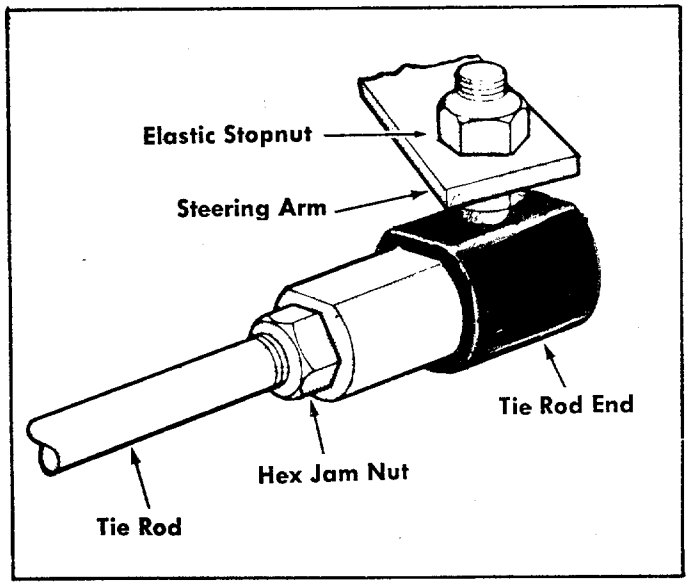


FIGURE 25. TIE ROD ADJUSTMENT

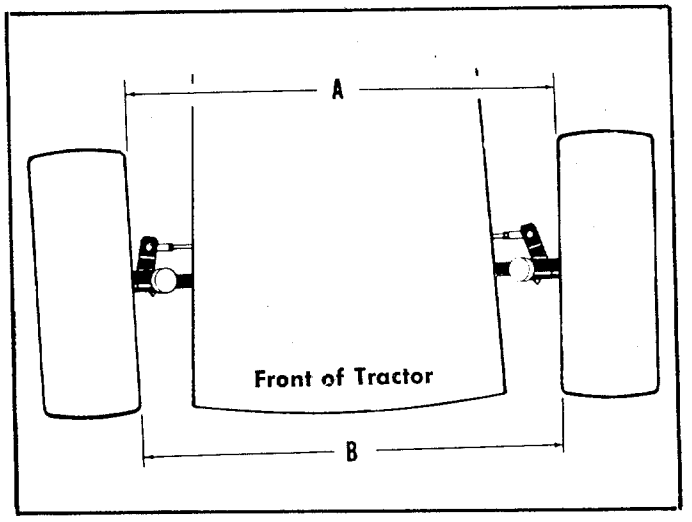


FIGURE 26. TOE-IN DIAGRAM

Dimension "B" should be approximately 1/8" less than Dimension "A".

A.) To increase Dimension "B", screw tie rod into tie rod end.

B.) To decrease Dimension "B", unscrew tie rod from tie rod end.

C.) Reassemble tie rod. Check dimensions. Readjust if necessary.

NOTE

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

ADJUSTING CARBURETOR CHOKE

Proper choke operation is dependent upon proper adjustment of remote controls on the powered equipment.

To Check Operation of Choke-A-Matic Controls:

Move control lever to CHOKE position. (See figure 5.) The carburetor choke should be closed.

NOTE

The air cleaner can be removed to check the operation of the choke.

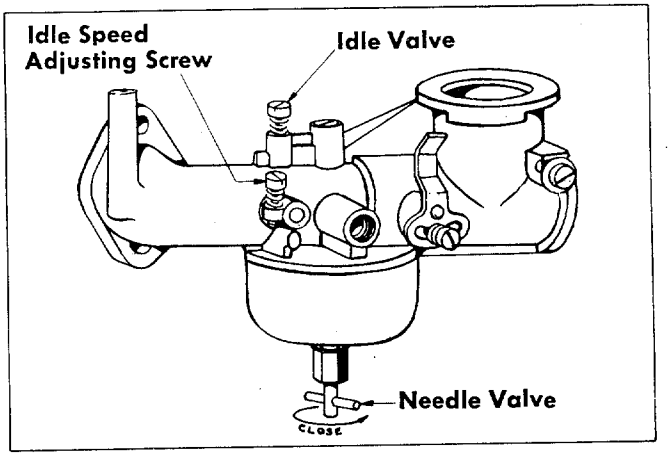


FIGURE 27. CARBURETOR ADJUSTMENT

To Adjust:

Place control lever on equipment in FAST (high speed) position. Loosen control casing clamp screw B. Move control casing A and wire until lever D touches choke operating link at C. Tighten casing clamp screw B. See figure 28.

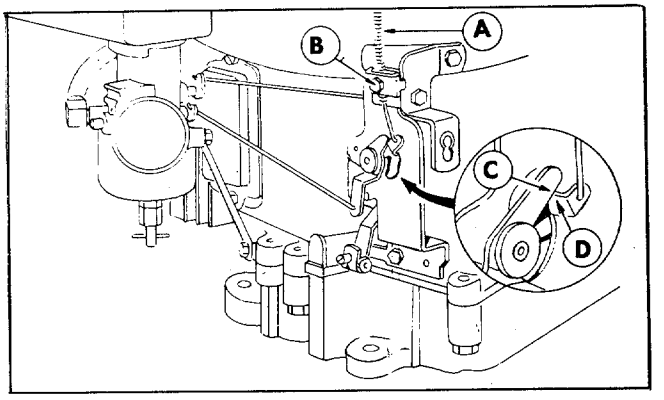


FIGURE 28. CHOKE ADJUSTMENT

PREPARING FOR BELT REMOVAL

WARNING

Disconnect the spark plug wire and ground it against the engine.

Step 1. Remove the battery.

WARNING

Disconnect the negative terminal first and connect last when installing the battery.

Step 2. To prevent gasoline from leaking from the engine, remove the gasoline cap, place a piece of thin plastic over the neck of the gasoline tank and screw on the cap.

Step 3. Close the fuel shut-off valve as shown in figure 12.

Step 4. Set the gear shift lever in gear (See figure 6.) Place your hands under the front axle and lift the unit up until it tips back and rests on the seat.

MOWING UNIT BELT REPLACEMENT

Step 1. Place the lift lever in the disengaged position. See figure 7.

Step 2. Remove the belt keeper and large bolt on the engine pulley. See figure 29.

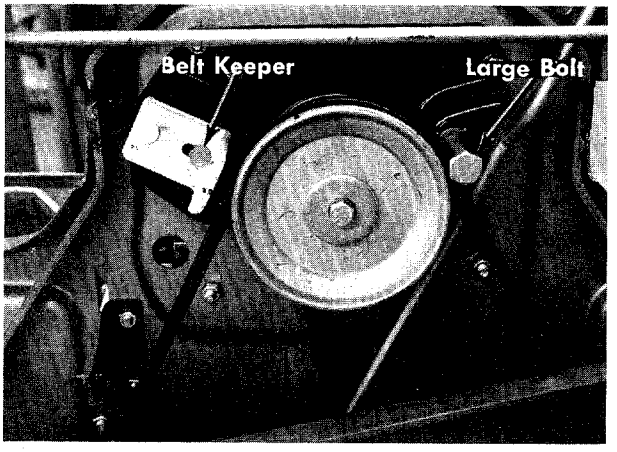


FIGURE 29. BELT KEEPER

Step 3. Unhook the belt from the engine pulley. See figure 30.

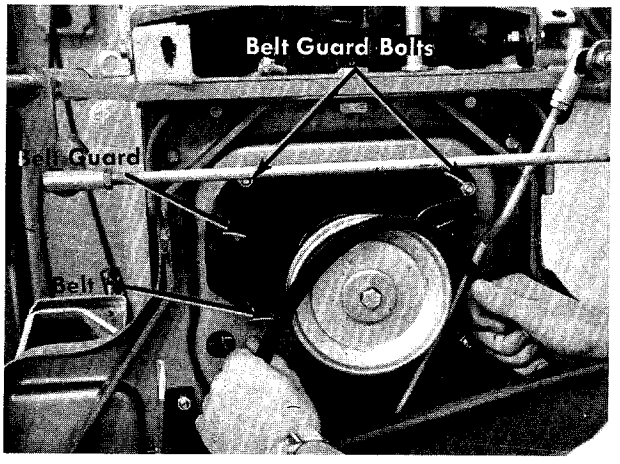


FIGURE 30. REMOVING MOWER BELT

Step 4. Place the lift lever in the engaged position. See figure 7.

Step 5. Unhook the tension springs on both sides of the deck. See figure 31.

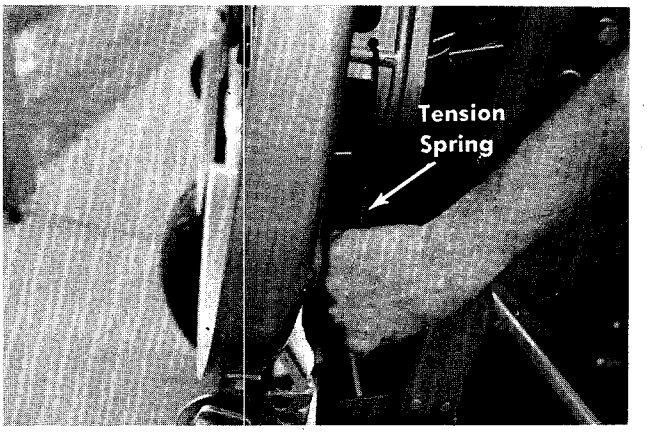


FIGURE 31. REMOVING TENSION SPRINGS

Step 6. Remove the front four deck links from the cutting deck. See figure 32.

Step 7. Remove the belt guards from both deck pulleys. See figure 32.

Step 8. Remove and replace the belt and reassemble.

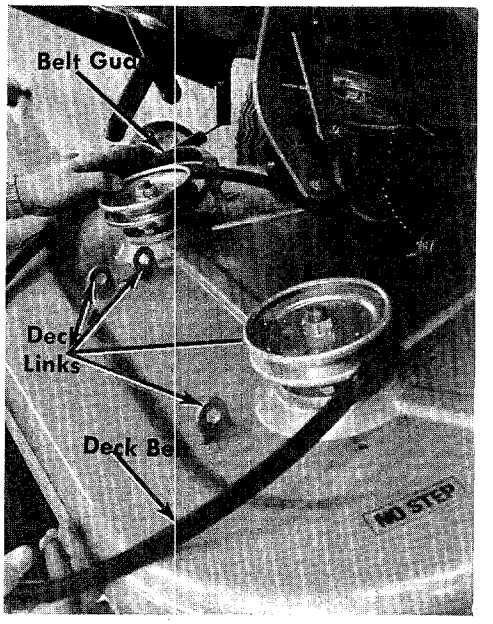


FIGURE 32. DECK LINKS

TRANSMISSION BELTS REMOVAL

Step 1. Place the lift lever in the disengaged position. See figure 7.

Step 2. Remove the belt keeper and large bolt on the engine pulley. See figure 29.

Step 3. Unhook the belt from the engine pulley. See figure 30.

Step 4. Place the lift lever in the engaged position. See figure 7.

Step 5. Unhook the tension springs on both sides of the deck. See figure 31.

Step 6. Remove the front four deck links from the cutting deck. See figure 32.

Step 7. Tip the deck down as shown in figure 32.

NOTE

Leave the belt attached to the deck pulleys unless you want to replace it.

Step 8. Remove the engine belt guard by removing the two front engine mounting bolts. See figure 33.

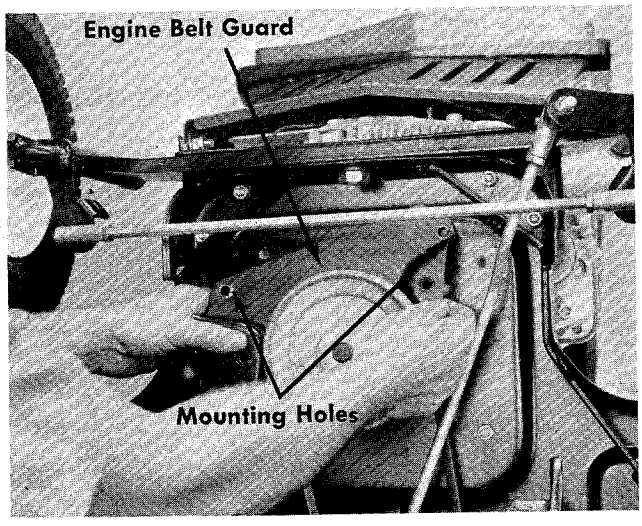


FIGURE 33. BELT GUARD REMOVAL

NOTE

By working between the frame and the deck, it is possible to remove and replace the deck belt without removing the deck, however, the working space is limited.

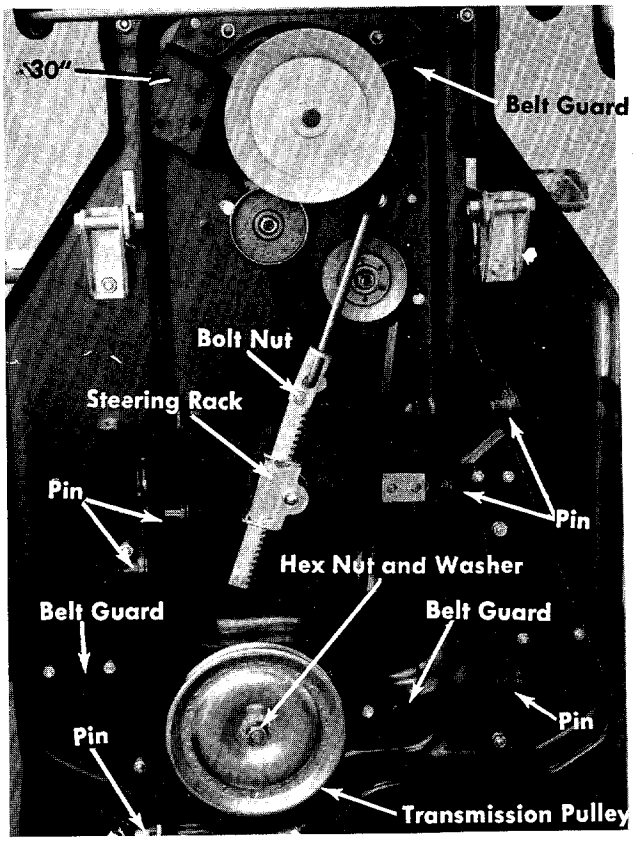


FIGURE 34. BOTTOM VIEW

Step 9. **Removing the transmission belt.** See figure 34.

a. Remove the entire belt guard from the engine pulley by removing the two front engine bolts. See figure 33.

b. Remove the transmission pulley by removing the hex nut and washer. See figure 34.

c. Remove the bolt and nut from the steering rack and remove the belt.

d. Reassemble in reverse order with the new belt.

OFF-SEASON STORAGE

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

Step 1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank, then run the engine until all fuel in carbureto· is exhausted.

WARNING

Do not drain fuel while smoking, or if near an open fire.

Step 2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm) and refill the crankcase with clean new oil.

Step 3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but DO NOT connect the wire.

Step 4. Clean the engine and the entire mower thoroughly.

Step 5. Lubricate all lubrication points indicated in figures 19 and 20 then wipe the entire machine with an oiled rag in order to protect the surfaces.

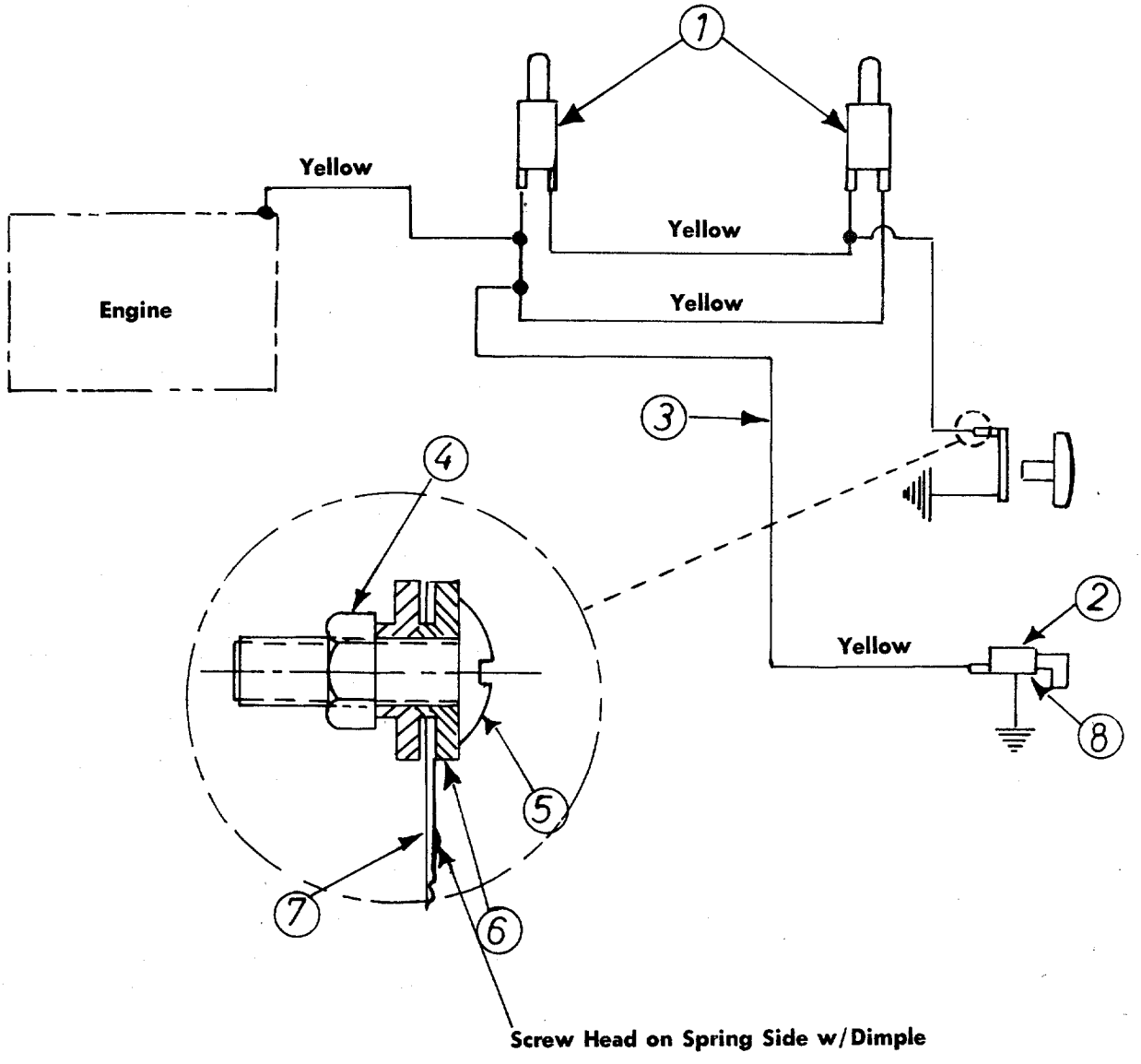
TROUBLE SHOOTING CHART FOR RECOIL START MODELS

CAUTION: ALWAYS DISCONNECT SPARK PLUG BEFORE ATTEMPTING ANY REMEDY.

TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	If the engine will not start be sure the clutch control is disengaged; blade controls disengaged, the throttle control is set and the key is turned on. A. Disconnect the yellow wire from the engine. This comes from the ignition switch. B. If the engine fails to start the problem is with the engine, not the safety system. C. If the engine starts, the problem is with the safety system. Check the yellow wire for a ground. D. Check the operation of the switch behind the recoil starter handle. E. If the engine stops when the clutch or blade is engaged, the recoil handle is not pushed into the receptacle and twisted a quarter turn.
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	Spark plug lead wire disconnected. Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug. NOTE: Use insulated pliers to hold the spark plug wire.
	Throttle setting.	Throttle control lever not in the starting position.
	Loose connections	Spark plug wire loose.
Hard starting or loss of power.	Dirty air cleaner.	Remove air cleaner and clean as outlined in **Engine Manual.**
	Carburetor improperly adjusted.	Review paragraph **Carburetor Adjustment.**
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph **Operation.**
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in shroud. Grass and dirt in engine shroud. Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.

TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

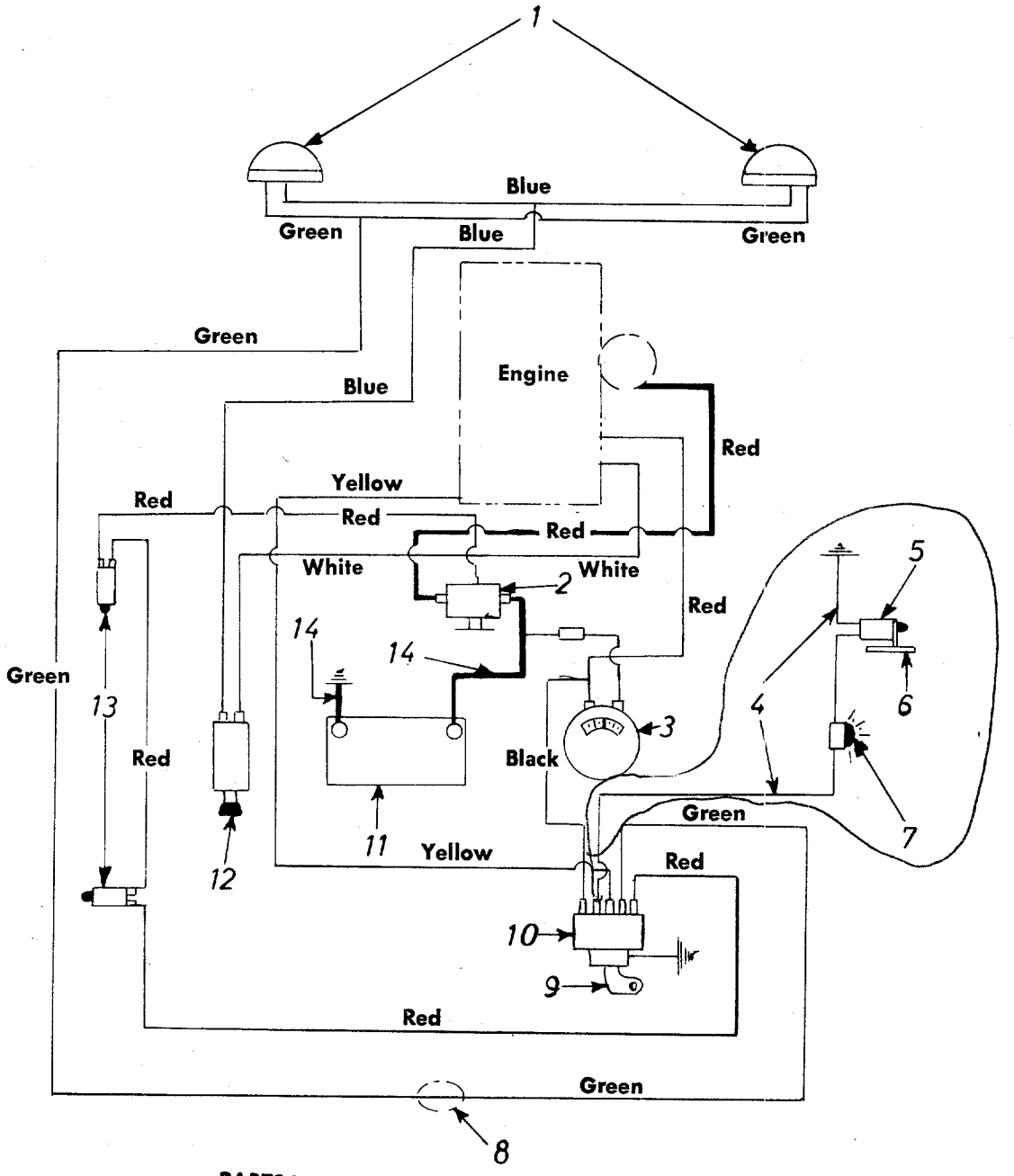
TROUBLE	LOOK FOR	REMEDY
Engine fails to start.	Safety System	A. Check for a blown fuse in the wire leading from the positive terminal of the battery. B. Before checking the safety system further, be sure the clutch control and the blade control are disengaged; only the starting system is being checked. Therefore remove the spark plug lead and ground it to prevent the engine from starting. C. Attach a wire (minimum 18 gauge) to the positive terminal of the battery and touch the other end to the small terminal (coil primary) of the solenoid. If the engine cranks, the problem is in the safety system. D. Check for continuity from the battery to the solenoid. NOTE: The positive terminal of the battery should have a large cable (#8 guage) and a small wire (#18 gauge) attached to it. E. Check all wires and cable for tightness. F. Use a #8 gauge wire and jump between the two large terminals of the solenoid. If the unit starts, replace the solenoid. G. If the unit fails to start after following the above procedure the problem is probably in the starting motor of the engine.
	Blocked fuel line or empty gas tank.	Clean fuel line; check fuel supply. Also check fuel shut-off valve.
	Defective spark plug.	Spark plug lead wire disconnected. Faulty spark plug—spark should jump gap between control electrode and side electrode. If spark does not jump, replace spark plug. NOTE: Use insulated pliers to hold the spark plug wire.
	Throttle setting.	Throttle control lever not in the starting position.
	Loose connections	Spark plug wire loose.
Hard starting or loss of power.	Dirty air cleaner.	Remove air cleaner and clean as outlined in **Engine Manual.**
	Carburetor improperly adjusted.	Review paragraph **Carburetor Adjustment.**
Excessive vibration.	Bent or damaged blade spindle.	Stop engine immediately; tighten all bolts and make all necessary repairs. If vibration continues, have the unit serviced by a competent repairman.
Unit fails to discharge grass.	Discharge chute clogged.	Clean discharge chute and inside of deck.
	Foreign object lodged in deck.	Remove object from deck. See CAUTION following step 1 in paragraph **Operation.**
Engine overheats.	Obstructions in air passages.	Remove any obstruction from air passages in shroud. Grass and dirt in engine shroud. Clean cooling fins.
	Oil level.	Fill crankcase to proper oil level.



SCHEMATIC FOR ELECTRICAL SYSTEM

PARTS LIST FOR SCHEMATIC MODEL 134-480A

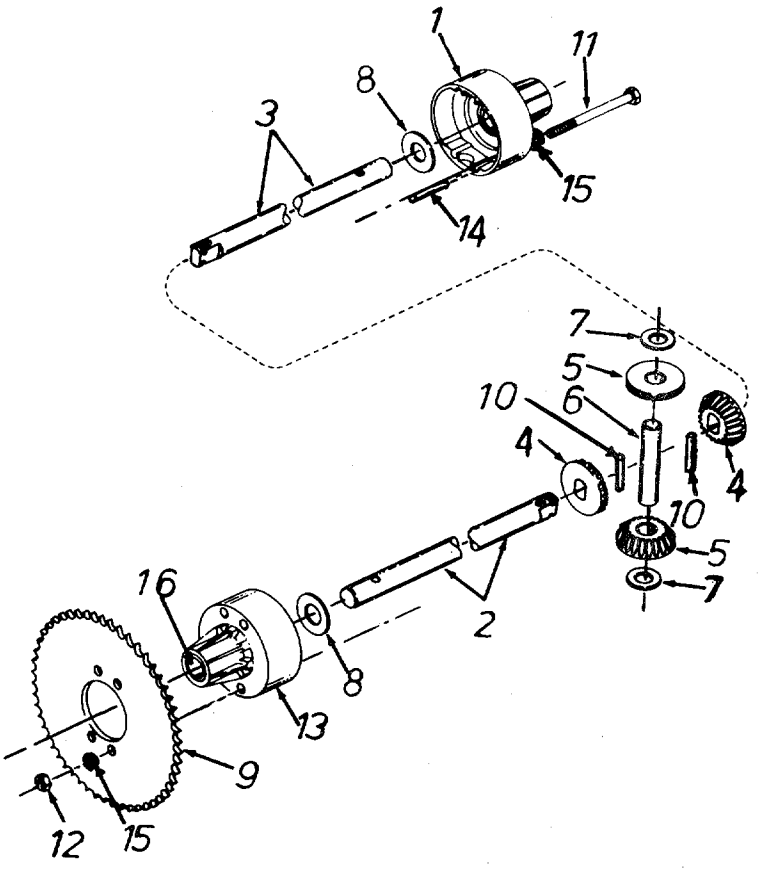
REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-269	Safety Switch Norm Closed–Red	
2	725-266	Magneto Ignition Switch w/Nut	
3	725-272	Wire Harness	
4	712-121	Hex Nut #10-24	
5	710-425	Truss Mach. Scr. #10-24 x .62	
6	736-338	Fiber Washer	
7	732-257	Switch Spring	
8	736-225	Internal L-Wash. ⅝ I.D.	



PARTS LIST FOR ELECTRICAL SCHEMATIC 134-485A

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-222	Headlights	
2	725-270	Solenoid	
3	725-119	Ammeter	
8	725-364	Wiring Harness	
9	725-201	Ignition Key	
10	725-267	Ignition Switch	
11	725-117	Battery	
12	725-202	Headlight Switch	
13	725-268	Safety Switch—Black with Brkt.	
14	725-122	Electric Wire	

DIFFERENTIAL 10483

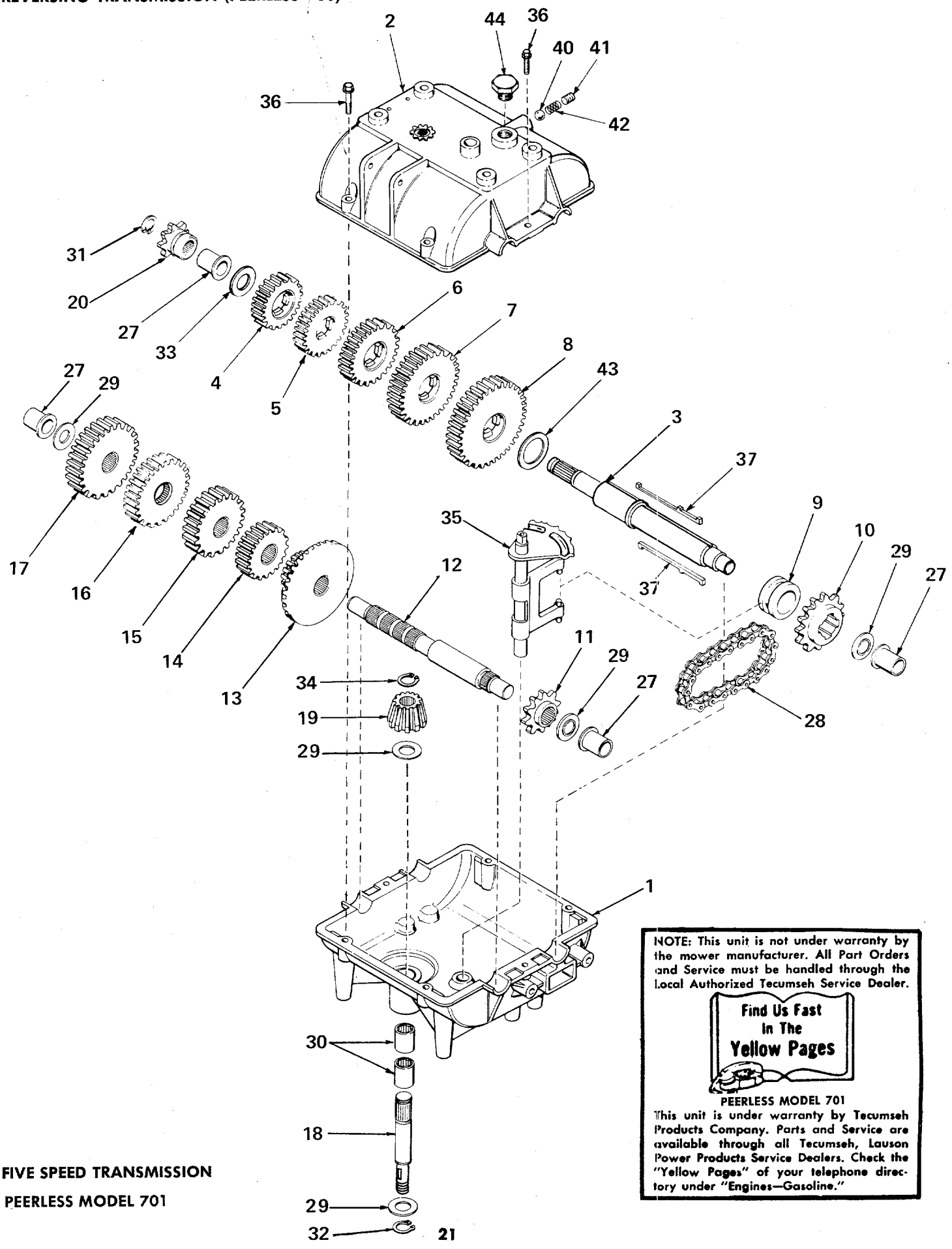


PARTS LIST FOR DIFFERENTIAL 10483

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	719-150		Housing Half (1)	
2	738-130		Shaft—Short (1)	
3	738-131		Shaft—Long (1)	
4	748-185		Gear—Double "D" Hole (2)	
5	748-158		Gear—Round Hole (2)	
6	711-276		Drive Pin (1)	
7	736-187		Flat Washer (2)	
8	736-188		Washer (2)	
9	9133		Sprocket (1)	
10	715-247		Spirol Pin 3/16" Dia. x 1.00" Lg.* (2)	
11	710-526		Hex Hd. Cap Scr. 5/16-24 x 4.00" Lg.* (4)	
12	712-237		Hex Locknut 5/16-24 Thd. (4)	
13	719-150		Housing Half (1)	
14	715-123		Dowel Pin 3/16" Dia. x .62" Lg. (2)	
15	736-119		Spring Lockwasher 5/16" Scr.* (8)	
16	748-169		Flange Bearing (2)	
17	737-120		Grease—High Temp. 450°F. (2 oz.)	N

*For faster service obtain standard nuts, bolts, and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

REVERSING TRANSMISSION (PEERLESS 701)



NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.

Find Us Fast in The Yellow Pages

PEERLESS MODEL 701

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

FIVE SPEED TRANSMISSION

PEERLESS MODEL 701

PARTS LIST FOR FIVE SPEED TRANSMISSION PEERLESS MODEL 701

REF. NO.	PART NO.	DESCRIPTION
1	PE-770061	Case, Transmission
2	PE-772070	Cover, Transmission
3	PE-776164	Shaft, Output and Brake
4	PE-778121	Gear, Spur (20 teeth)
5	PE-778122	Gear, Spur (22 teeth)
6	PE-778123	Gear, Spur (25 teeth)
7	PE-778124	Gear, Spur (30 teeth)
8	PE-778125	Gear, Spur (35 teeth)
9	PE-784266	Collar, Shift
10	PE-786060	Sprocket (14 teeth)
11	PE-786061	Sprocket (10 teeth)
12	PE-776134	Shaft, Counter
13	PE-778109	Gear, Bevel (42 tooth and 15 tooth spur gear)
14	PE-778126	Gear, Spur (20 teeth)
15	PE-778127	Gear, Spur (25 teeth)
16	PE-778128	Gear, Spur (28 teeth)
17	PE-778129	Gear, Spur (30 teeth)
18	PE-776140	Shaft, Input
19	PE-778113	Bevel Pinion, Input
20	PE-786049	Sprocket (8 teeth)
27	PE-780105	Bushing, Flanged
28	PE-786062	Chain, Roller (No. 41 chain, 22 links)
29	PE-780072	Race, Thrust
30	PE-780106	Bearing, Needle
31	PE-792072	Ring, Retaining
32	PE-792035	Ring, Retaining
33	PE-780109	Washer
34	PE-788040	Ring, Retaining
35	PE-784271	Rod and Fork Ass'y., Shift
36	PE-792073	Scr., ¼-20 x 1¼ hex hd. tap-tite
37	PE-792089	Key
40	PE-792077	Ball, 5/16" Steel
41	PE-792078	Screw, ⅜-16 x ⅜ set
42	PE-792079	Spring
43	PE-780108	Washer, Thrust
44	PE-792074	Plug

NOTE: This unit is not under warranty by the mower manufacturer. All Part Orders and Service must be handled through the Local Authorized Tecumseh Service Dealer.

PEERLESS MODEL 701

This unit is under warranty by Tecumseh Products Company. Parts and Service are available through all Tecumseh, Lauson Power Products Service Dealers. Check the "Yellow Pages" of your telephone directory under "Engines—Gasoline."

BATTERY WARRANTY CERTIFICATE

The following general warranty policy applies to all batteries sold by IBMA members using this warranty. The nationwide warranty applies only to batteries bearing the IBMA seal of approval.

All new batteries sold by IBMA members carry a warranty against faulty material or workmanship for 90 days from date of purchase. A faulty battery is to be adjusted, repaired or replaced with a new battery by an IBMA member, jobber or dealer only, or the warranty becomes void. An IBMA type battery that is faulty within the 90 day period is to be repaired or replaced with a new battery F.O.B. any IBMA factory supplier or any IBMA authorized dealer, without charge.

Your battery carries a further warranty on a pro-rata adjustment basis covering the number of months determined by the class of service and type of battery. In determining the exchange cost of a new battery, charges will be made for months of service used and the warranty is valid to the original purchaser only.

IBMA approved factory suppliers, as well as all IBMA authorized dealers, are to honor this Warranty. If your IBMA approved battery carries the IBMA seal of approval, this Warranty is to be honored by dealers handling IBMA approved batteries everywhere. (Independent Battery Manufacturers Association, Inc.)

Failures in service that are caused by fire, collision, freezing, abuse, faulty electrical equipment or the use of a battery of a group size smaller or specifications lower than the original battery are not covered by this policy.

BATTERY MANUFACTURER MEMBERSHIP LIST

ALABAMA

Birmingham
Southern Bty.
Yocam Batteries

Mobile
Yocam Batteries

Montgomery
Ebco Battery

ALASKA

Anchorage
Alaska Husky Bty.

ARKANSAS

Hot Springs
Red Diamond Bty.

CALIFORNIA

Los Angeles
Estee Battery
Laher Bty. Prod.

Oakland
Laher Bty Prod.

Sacramento
Laher Bty. Prod.

San Francisco
Amp King Bty.
Laher Bty. Prod.
Pico Bty. Mfg.

Stockton
Stockton Battery

COLORADO

Denver
Moore Battery

D. C.
Washington
Express Bty. Div.
Leeth Brothers

FLORIDA

Fort Lauderdale
Florida Bty.

Hialeah
East Penn Mfg.

Jacksonville
Tropex Batteries
Yocam Batteries

Miami
Tropex Batteries
Yocam Batteries

Orlando
Yocam Batteries

Pensacola
Yocam Batteries

St. Petersburg
Electro Battery Co.

Tampa
Bilt-Rite Bty. Mfg.
Contract Bty. Mfg.
DeSoto Bty. & Elec.
Tropex Batteries
Yocam Batteries

GEORGIA

Albany
Ebco Battery

Atlanta
Ebco Battery
Southern Bty.
Yocam Batteries

Columbus
Ebco Battery
Contract Bty. Mfg.
Yocam Batteries

ILLINOIS

Belleville
Bell City Bty. Mfg.

Chicago
Illinois Bty. Mfg.
Universal Bty.
Volta Bty. Corp.

Peoria
Red Diamond Bty.

INDIANA

Muncie
Stout Storage Bty.

IOWA

Corydon
Voltmaster

Council Bluffs
Reliance Bty. Prod.

Des Moines
Voltmaster

KANSAS

Kansas City
American Batteries
Contract Bty. Mfg.

KENTUCKY

Whitesburg
Electro-Lite Bty.

LOUISIANA

New Orleans
Central Bty.
Reliable Bty.

Shreveport
Central Bty.

MARYLAND

Baltimore
East Penn Mfg.

MASSACHUSETTS

Watertown
Atlantic Bty.

MICHIGAN

Detroit
Batteries Mfg.

Flint
ABC Batteries

Holly
Detroit Battery

Madison Heights
C & W Lektra

Warren
G & M Battery

MINNESOTA

St. Paul
Standard Storage Bty.

MISSISSIPPI

Florence
Contract Bty. Mfg.

Jackson
Central Bty.

New Albany
Laher Bty. Prod.

MISSOURI

Joplin
Lead Products

Maryland Heights
Electro Bty. Mfg.

Sikeston
Electro Bty.

NEW JERSEY

Atlantic City
Landis Battery

NEW MEXICO

Alburquerque
Sandia Bty. Mfg.

NEW YORK

Buffalo
East Penn Mfg.

Lockport
Great Lakes Battery

NORTH CAROLINA

Charlotte
Yocam Batteries

Thomasville
East Penn Mfg.

OHIO

Akron
Crown Battery

Cincinnati
Moore Battery

Cleveland
Crown Battery
New Castle Bty.

Columbus
Crown Battery

Fremont
Crown Battery

OREGON

Beaverton
Western Bty., Inc.

Portland
Laher Bty. Prod.

PENNSYLVANIA

Altoona
East Penn Mfg.

Erie
New Castle Bty.

Lancaster
Lancaster Bty.

Lyon Station
East Penn Mfg.

New Castle
New Castle Bty.

Philadelphia
East Penn Mfg.

Pittsburgh
Simon Bty. & Res.
Geidel Bty. Div.

RHODE ISLAND

Providence
Pilof Mfg., Inc.

SOUTH CAROLINA

Columbia
Yocam Batteries

TENNESSEE

Chattanooga
Electro-Lite Bty.

Knoxville
Southern Bty.

Memphis
Central Battery
Laher Bty. Prod.
Southern Bty.

Nashville
Electro-Lite Bty.
Southern Bty.

TEXAS

Dallas
Continental Bty.
Reliable Battery

El Paso
El Paso Bty.

Houston
Texford Bty. Co.
Reliable Battery

San Antonio
Reliable Battery

UTAH

Salt Lake City
Laher Bty. Prod.

VIRGINIA

Arlington
Express Bty. Div.
Leeth Bros.

Lynchburg
Hydrate Battery

WASHINGTON

Seattle
Laher Bty. Prod.

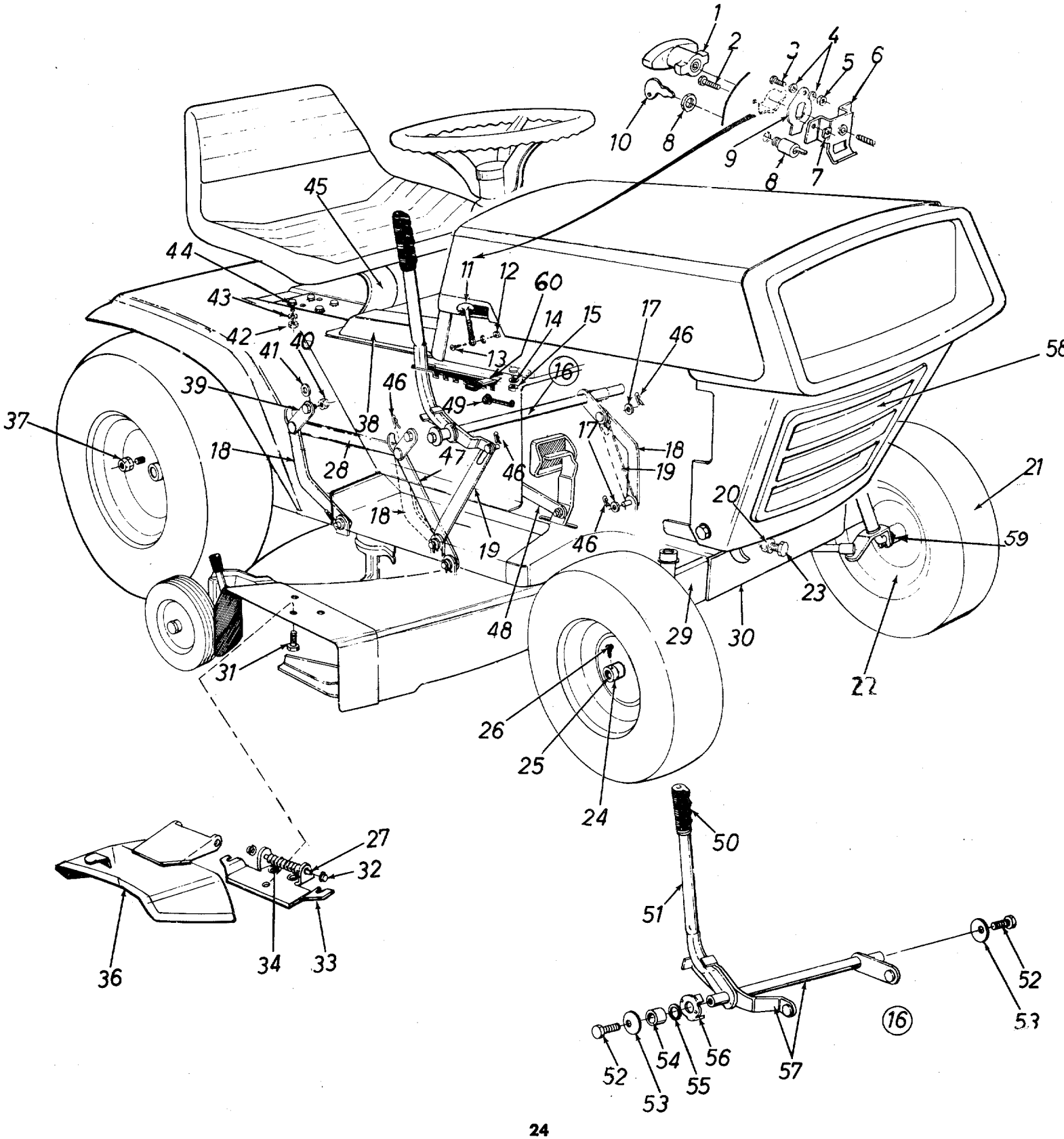
Spokane
Laher Bty. Prod.

CANADA
Vancouver, B. C.
Industrial Bty. & *Supply*

134-480A
134-485A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL



PARTS LIST FOR RIGHT HAND VIEW 134-480A AND 134-485A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	11263		Plastic Hande (134-480A)	
2	710-351		Truss Hd. Mach. B-Tapp. Scr. #10 x .50" Lg. (134-480A)	
3	710-425		Truss Hd. Mach. Scr. #10-24 x .62" Lg.* (134-480A)	
4	736-338		Fiber Washer (134-480A)	
5	712-121		Hex Nut #10-24 Thd.* (134-480A)	
6	11053		Switch Bracket Ass'y. (134-480A)	
7	712-147		Speed Nut #10-24 U-Type (134-480A)	
8	725-266		Magneto Ignition Switch (134-480A)	
9	732-257		Switch Spring (134-480A)	
10	725-128		Ignition Key Only (134-480A)	
11	723-296		Hood Lock Ass'y.	
12	712-287		Hex Nut ¼-20 Thd.*	
13	710-289		Hex Hd. Cap Scr. ¼-20 x .50" Lg.*	
14	736-119		Spring Lockwasher 5/16" Scr.*	
15	712-267		Hex Nut 5/16-18 Thd.*	
16	—		Lift Handle Ass'y. See Breakdown	
	736-192		Flat Washer .53 I.D. x .93 O.D.	
	10349		Deck Link Ass'y.	
19	10346		Lockout Link Ass'y.	
20	712-923		Hex Center Locknut ⅝-18 Thd.	
21	734-494		Front Wheel Ass'y.—Comp. 13.0 x 5.0	
	734-495		Front Wheel Tire Only	
22	734-520		Front Wheel Rim Ass'y. Only	
23	710-312		Hex Hd. Cap Scr. ⅝-18 x 1.31" Lg.	
24	711-169		Collar ⅝" I.D.	
25	748-184		Front Wheel Bearing	
26	710-494		Sq. Hd. Set Scr. 5/16-18 x .38" Lg. Cup	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
27	711-571		Pivot Pin	
28	9735		Connecting Rod 3/16 x 1.00 x 12.5" Lg.	
29	10555		Front Pivot Bar Ass'y.	
30	10495		Front Pivot Bracket	
31	710-195		Hex Hd. Cap Scr. ¼-28 x .62" Lg.*	
32	726-106		Push-on Flange Palnut	
33	11399		Adapter Plate Assembly	
34	732-261		Torsion Spring	
35	11633		Chute Cover Ass'y. Comp.	
36	11574		Chute Cover Ass'y.	
37	712-193		Cone Nut ⅜-24 Thd.	
38	12333		Upper Frame Cover	N
39	9721		Pivot Link Ass'y.	
40	712-267		Hex Nut 5/16-18 Thd.*	
41	736-264		Flat Washer .344 I.D. x .62 O.D.	
42	712-267		Hex Nut 5/16-18 Thd*	
43	736-119		Spring Lockwasher 5/16" Scr*	
44	710-198		Hex Hd. Sems Scr. 5/16-18 x .75" Lg.*	
45	732-255		Seat Spring 4.50" High	
46	714-101		Internal Cotter Pin ½" Dia.	
47	10904		Deck Link Ass'y.	
48	11059		Parking Brake—Lever Ass'y.—R.H.	
49	726-121		Push Cap ¼" Dia.—Black	
50	8118		Grip	
51	11030		Lift Handle R.H.	
52	710-201		Hex Hd. Cap Scr. ⅜-16 x .62" Lg.*	
53	736-219		Belleville Washer .400 I.D. x 1.13 O.D.	
54	748-201		Spacer .635 I.D. x .88 O.D. x .57	
55	736-233		Wave Washer .660 I.D. x .82 O.D. x .029	
56	11029		Handle Pivot Bracket	
57	11032		Lift Handle Bracket Ass'y.	
58	731-208		Grille Insert	
59	736-156		Fl.-Wash.	
60	11027		Handle Stop Brkt. Ass'y.	
	11249		Knob for Handle Stop Brkt.	

***For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally order by part number and size**

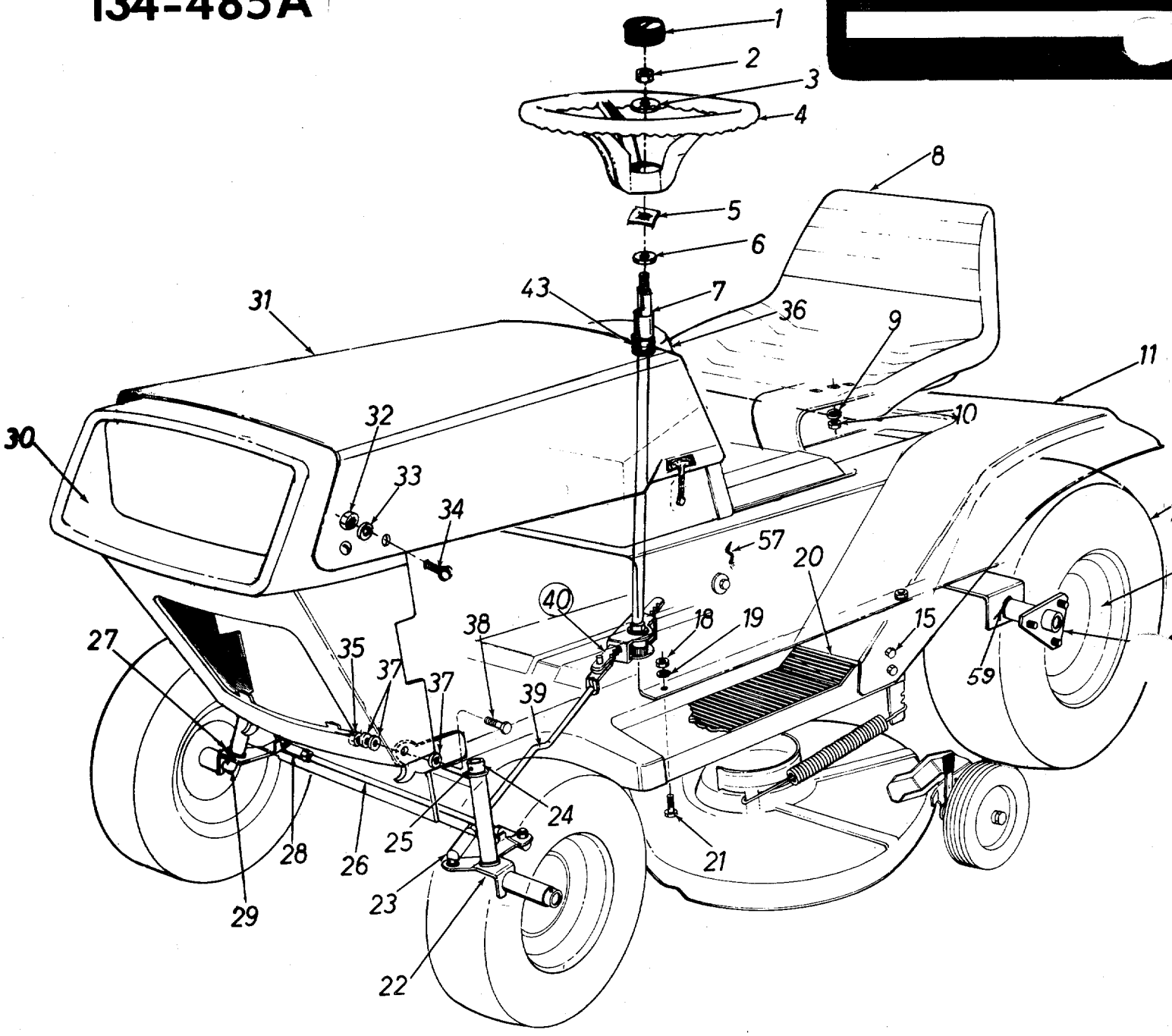
When ordering parts if color or finish is important, use appropriate color code shown at left. (e.g.—Red Flake Finish—11839 (462)).

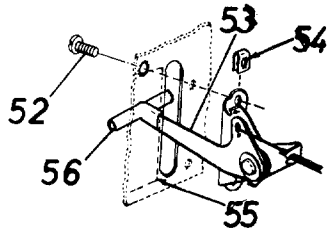
(462—Red Flake)

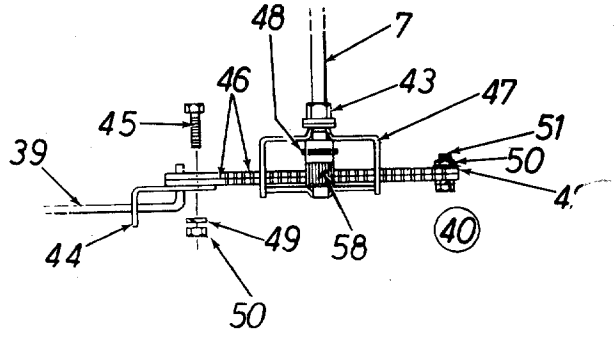
134-480A
134-485A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL







LEFT HAND VIEW

PARTS LIST FOR LEFT HAND VIEW 134-480A AND 134-485A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	731-220		Steering Wheel Cap	
2	712-158		Hex Center Locknut 5/16-18 Thd.	
3	736-219		Belleville Washer .400 I.D. x 1.13 O.D.	
4	731-219		12.0 inch Steering Wheel	
5	712-222		Push Nut ⅝" Dia.	
6	736-174		Wave Washer .660 I.D. x .88 O.D.	
7	738-200		Steering Shaft	
8	757-241		Seat Ass'y Complete—10.0" Black (Mounting Bolt Molded in Seat)	
9	736-921		Spring Lockwasher ½" Scr.*	
10	712-206		Hex Nut ½-13 Thd.*	
11	11839	—462	Rear Fender	
12	734-528		Rear Wheel Ass'y.—Comp. 18 x 6.50	
	734-294		Rear Wheel Tire Only 18 x 6.50	
	9262		Rear Wheel Rim Ass'y.	
14	10473		Rear Wheel Hub Ass'y.	
15	710-258		Hex Hd. Cap Scr. ¼-20 x .62" Lg.*	
18	712-267		Hex Nut 5/16-18 Thd.*	
19	736-119		Spring Lockwasher 5/16" Scr.*	
20	723-241		Foot Pad 15.75" Lg. x 4.0" Wide	
21	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
22	9098	—462	Front Axle Ass'y. L.H.	
23	723-156		Ball Joint Ass'y. (Tie Rod End)	
24	711-169		Collar ⅝" I.D.	
25	710-494		Sq. Hd. Set Scr. 5/16-18 x .38 Cup	
26	711-256		Tie Rod ⅜-24 (Threaded Both Ends)	
27	748-184		Flange Bearing .630 I.D.	
28	723-156		Ball Joint Ass'y. (Tie Rod End)	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
29	9095	—462	Front Axle Ass'y. R.H.	
30	719-194		Front Grille Comp. (134-480A)	
	719-197		Front Grille Comp. (134-480A)	
31	11836	—462	Front Hood	
32	712-287		Hex Nut ¼-20 Thd.*	
33	736-329		Spring Lockwasher ¼" Scr.*	
34	710-286		Truss Hd. Mach. Scr. ¼-20 x .50" Lg.*	
35	712-375		Hex Center Locknut ⅜-16 Thd.	
36	11861		Dash Panel Ass'y. (134-485A)	
	11862		Dash Panel and Battery Box Ass'y. (134-485A)	
37	736-105		Belleville Washer	
38	710-253		Hex Hd. Cap Scr. ⅜-16 x 1.00" Lg.*	
39	711-548		Steering Rod	
40	—		Steering Ass'y. See Breakdown	
43	748-228		Hex Flange Bearing .505 I.D. Bronze	
44	11047		Steering Rod Bracket	
45	710-412		Hex Hd. Cap Scr. ¼-28 x .75" Lg.*	
46	11048		Steering Segment	
47	11074		Steering Housing Ass'y.	
48	715-120		Spring Pin Spirol 3/16" Dia. x 1.00" Lg.	
49	736-329		Spring Lockwasher ¼" Scr.*	
50	712-138		Hex Nut ¼-28 Thd.*	
51	710-412		Hex Hd. Cap Scr. ¼-28 x .75" Lg.*	
52	710-351		Truss Hd. Mach. B-Tapp Scr. #10 x .50" Lg.	
53	746-160		Throttle Control—Complete	
54	712-147		Speed Nut #10-24 U-Type	
55	11861		Dash Panel Ass'y. (134-480A)	
	11862		Dash Panel and Battery Box Ass'y. (134-480A)	
56	722-115		Knob Only—Throttle Control	
57	11852		Upper Frame	
58	748-203		12 Teeth Spur Gear	
59	736-134		Fl.-Wash.	

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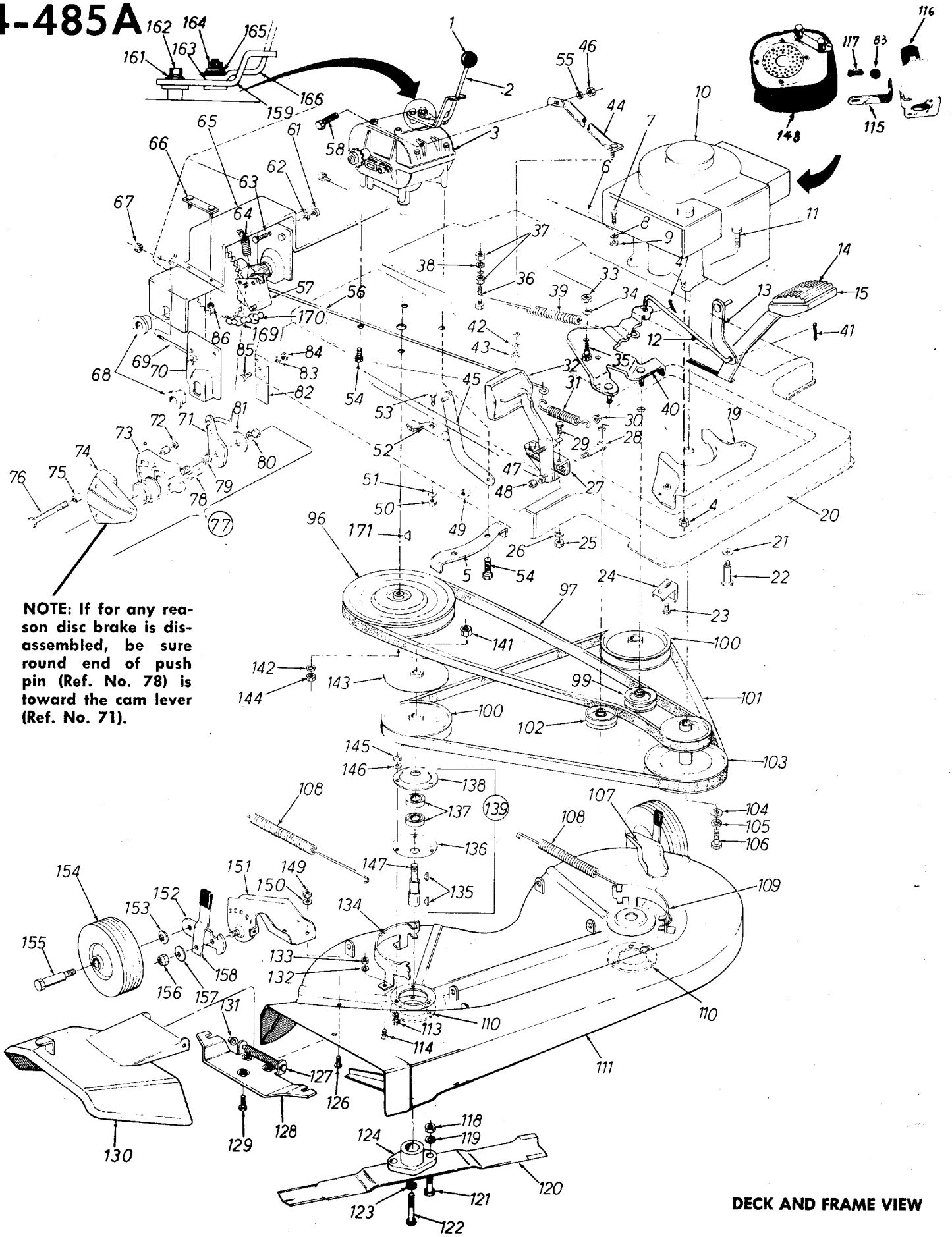
(462—Red Flake) **When ordering parts if color or finish is important, use appropriate color code shown at left. (e.g. Red Flake Finish—11839 (462)).**

134-480A
134-485A



NOTE: If for any reason disc brake is disassembled, be sure round end of push pin (Ref. No. 78) is toward the cam lever (Ref. No. 71).

DECK AND FRAME VIEW

PARTS LIST FOR DECK AND FRAME VIEW 134-480A AND 134-485A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-165		Knob (For Transmission Lever)	
2	11545		Shift Lever	
3	—		4 Speed Transmission (See Breakdown on Page 21)	
4	712-267		Hex Nut 5/16-18 Thd.*	
5	11845		Transmission Belt Guard	
6	11095		Engine Brace	
7	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
8	736-119		Spring Lockwasher 5/16" Scr.*	
9	712-267		Hex Nut 5/16-18 Thd.*	
10	—		Engine	
11	710-442		Hex Hd. Cap Scr. 5/16-18 x 1.50" Lg.*	
12	747-112		Clutch Rod	
13	11057		Parking Brake—Lever Ass'y.—L.H.	
14	10614		Pedal Pad Vinyl	
15	11037		Clutch Pedal Ass'y.	
19	10480		Engine Belt Guard Ass'y.	
20	11090		Frame Ass'y.	
21	736-105		Belleville Washer 3/8" Scr.	
22	738-129		Shoulder Scr. .498" Dia. x 2.00" Lg.*	
23	710-259		Hex Sems Scr. 5/16-18 x .62" Lg.*	
24	10426		Belt Keeper Ass'y.	
	712-267		Hex Nut 5/16-18 Thd.*	
	736-119		Spring Lockwasher 5/16" Scr.*	
27	11039		Pedal "U"-Bracket Ass'y.	
28	738-213		Shoulder Scr. .498" Dia. x 1.450" Lg.	
29	710-198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
30	726-100		Push Nut 3/8" Rod	
31	732-245		Brake Spring	
32	11036		Brake Pedal Bracket Ass'y.	
33	712-267		Hex Nut 5/16-18 Thd.*	
34	736-119		Spring Lockwasher 5/16" Scr.*	
35	738-140		Shoulder Scr. .437" Dia. x .180" Lg.	
36	710-289		Hex Hd. Cap Scr. 1/4-20 x .50" Lg.*	
37	712-287		Hex Nut 1/4-20 Thd.*	
38	736-329		Spring Lockwasher 1/4" Scr.*	
39	732-191		Spring .75 O.D. x 11.0" Lg.	
40	11843		Idler Bracket Ass'y.	
41	714-507		Cotter Pin 3/32" Dia. x .75" Lg.	
42	736-119		Spring Lockwasher 5/16" Scr.*	
43	712-267		Hex Nut 5/16-18 Thd.*	
44	10396		Transmission Support Bracket Ass'y.	
45	11056		Parking Brake—Lever Ass'y. R.H.	
46	712-138		Hex Nut 1/4-28 Thd.*	
47	736-169		Spring Lockwasher 3/8" Scr.*	
48	712-798		Hex Nut 3/8-16 Thd.*	
	712-429		Hex Inserted Locknut 5/16-18 Thd.	
50	712-287		Hex Nut 1/4-20 Thd.*	
51	736-329		Spring Lockwasher 1/4" Scr.*	
52	761-147		Blade Brake Ass'y. .88 High	
53	710-134		Carriage Bolt 1/4-20 x .62" Lg.*	
54	710-198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
55	736-329		Spring Lockwasher 1/4" Scr.*	
56	747-106		Brake Rod .25" Dia. x 23.50" Lg.	
57	10398		Disc Brake Bracket Ass'y.	
58	710-412		Hex Hd. Cap Scr. 1/4-28 x .75" Lg.*	
61	712-267		Hex Nut 5/16-18 Thd.*	
62	736-119		Spring Lockwasher 5/16" Scr.*	
63	710-198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
64	732-157		Spring .38 O.D. x 3.25	
65	10362		Rear Axle Bracket Ass'y.	
66	10360		Axle Bolt Plate Ass'y.	
67	712-429		Hex Inserted Locknut 5/16-18 Thd.	
68	748-151		Flange Bearing with Flats .753 I.D.	
69	710-437		Chain Adjusting Link 5/16-18 x 4.38" Lg.	
70	10364		Rear Axle Plate	
71	18-2770-0000		Cam Lever	
72	712-375		Hex Center Locknut 3/8-16 Thd.	
73	12-1041-0000		Casting, Carrier Side	
74	12-1039-0000		Casting, Cam Side	
75	761-138		Spacer for Disc Brake 5/8 O.D. x 5/8" Lg.	
76	710-316		Hex Hd. Cap Scr. 3/8-16 x 3.50" Lg.	
77	761-137		Disc Brake Assembly—Comp.	
78	05-1033-0000		Push Pin	
79	06-1029-0000		Compression Spring	
80	02-1011-0000		Locknut	
81	03-1030-0000		Thrust Washer 5/16" I.D.	
82	10410		Spring Bracket	
83	736-329		Spring Lockwasher 1/4" Scr.*	
84	712-287		Hex Nut 1/4-20 Thd.*	
85	710-258		Hex Hd. Cap Scr. 1/4-20 x .62" Lg.*	
86	712-429		Hex Inserted Locknut 5/16-18 Thd.	
96	756-174		Transmission Split Pulley .50 I.D.	
97	754-127		"V"-Belt 21/32 x 66" Lg. (Transmission)	
99	756-116		"V"-Belt Idler 3.06" O.D.	
100	756-124		Deck Pulley 4.75" O.D.	
101	754-151		"V"-Belt 21/32 x 67" Lg (Blade Drive Belt)	
102	756-178		"P"-Flat Idler 2.75" O.D.	
103	756-157		Two Step Engine Pulley	
104	736-235		Flat Washer .406 I.D. x 1.25 O.D.	
105	736-169		Spring Lockwasher 3/8" Scr.*	

104 711-0572 SHOULDER WASHER

PARTS LIST (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
106	710-152		Hex Hd. Cap Scr. ⅜-24 x 1.00" Lg.*	
107	11237		Wheel Bracket Ass'y. L.H. (Deck)	
108	732-191		Spring .75 O.D. x 11.0" Lg. (Deck)	
109	10071		Belt Guard—L.H. (Deck)	
110	9164		Deck Reinforcement Plate	
111	11096		34 inch Deck Assembly	
112	11917		34 inch Deck Ass'y.—Comp.	
113	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
114	710-289		Hex Hd. Cap Scr. ¼-20 x .50" Lg.*	
115	11857		Muffler Bracket	
116	751-124		Muffler Extension Ass'y.	
117	710-289		Hex Hd. Cap Scr. ¼-20 x .50" Lg.*	
118	712-123		Hex Nut 5/16-24 Thd.*	
119	736-119		Spring Lockwasher 5/16" Scr.*	
120	742-120	rl	17 inch Blade	
121	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. Heat Treated	
122	710-459		Hex Hd. Cap Scr. ⅜-24 x 1.50" Lg. Heat Treated	
123	736-217		Spring Lockwasher ⅜" Scr. Heavy Duty	
124	10769		Blade Adapter Kit	
125	11633		Chute Cover Ass'y. Comp. (Includes Ref. No's. 127, 128, 129, 130 & 131)	
126	710-289		Hex Hd. Cap Scr. ¼-20 x .50" Lg.*	
127	711-571		Pivot Pin	
128	11399		Adapter Plate Ass'y.	
129	710-195		Hex Hd. Cap Scr. ¼-28 x .62" Lg.*	
130	11574		Chute Cover Ass'y.	
131	726-106		Push Nut ¼" Rod	
132	736-329		Spring Lockwasher ¼" Scr.*	
133	712-287		Hex Nut ¼-20 Thd.*	
134	10072		Belt Guard—R.H. (Deck)	
135	714-365		#6 Hi-Pro Key 5/32 x ⅝" Dia.	
136	8253		Bearing Housing	
137	741-919		Ball Bearing .787 I.D. x 1.85 O.D.	
138	8253		Bearing Housing	
139	9321		Blade Spindle Ass'y. Comp.	
141	712-242		Hex Jam Nut ⅝-11 Thd.	
142	736-921		Spring Lockwasher ½" Scr.*	
143	9322		Blade Brake Disc.	
144	712-922		Hex Jam Nut ½-20 Thd.	
145	712-287		Hex Nut ¼-20 Thd.*	
146	736-329		Spring Lockwasher ¼" Scr.*	
147	711-255		Blade Spindle	
148	—		Lo-Tone Muffler Ass'y. (Order from Briggs & Stratton)	
149	712-287		Hex Nut ¼-20 Thd.*	
150	736-329		Spring Lockwasher ¼" Scr.*	
151	11236		Wheel Bracket Ass'y.—R.H. (Deck)	
152	10937		Wheel Pivot Bar	
153	736-105		Belleville Washer	
154	734-295		Wheel Ass'y. 5.0" Dia. (Deck)	
155	738-119		Shoulder Scr. .625" Dia. x 1.75" Lg.	
156	712-116		Hex Inserted Locknut ⅜-24 Thd.	
157	736-105		Belleville Washer	
158	10949		Spring Lever Ass'y. with Knob	
159	11846		Shift Lever Bracket Ass'y.	
161	736-242		Belleville Washer .345 I.D. x .88 O.D.	
162	710-237		Hex Hd Cap Scr. 5/16-24 x .62" Lg.*	
163	735-126		Rubber Washer .33 I.D. x .87 O.D.	
164	712-158		Hex Center Locknut 5/16-18 Thd.	
165	736-159		Flat Washer .344 I.D. x .88 O.D.	
166	11545		Shift Lever	
167	9963		Hitch Bracket (Not Shown)	
168	731-144		Vinyl Black Strip for Dash 12.0" Lg. (Not Shown)	
169	713-163		#420 Chain ½" Pitch x 79 Links	
170	713-154		#420 Master Link	
171	714-129		#4 Hi-Pro Key 3/32 x ⅝" Dia. Hdn.	

NEW PART

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The engine is not under warranty by the mower manufacturer. If repairs or service is needed on the engine, please contact your nearest authorized engine service outlet. Check the "Yellow Pages" of your telephone book under "Engines—Gasoline."

PARTS INFORMATION

DEFECTIVE OR MISSING PARTS must be reported to the factory immediately. Such claims must include your model number and date of purchase.

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, parts numbers, description of parts and the quantity of each part required.

BRIGGS & STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service firm. Check the yellow pages of your telephone directory under the listing *Engines — Gasoline*, Briggs & Stratton or Tecumseh Lauson — Power Products.

A 1 Engine & Mower Co.
327 East 9th Street
Salt Lake City, Utah 84102

American Electric Ignition Co.
124 N. W. 8th Street
Oklahoma City, Oklahoma 73102

Auto Electric & Carburetor Co.
2525 4th Avenue, S.
P. O. Box 1948
Birmingham, Alabama 35233

Automotive Equipment Service Co.
3117 Holmes Street
Kansas City, Missouri 64109

Bailey's Rebuild Inc.
1325 E. Madison Street
Seattle Washington 98102

Bleckrie, Inc.
7900 Lorain Avenue
Cleveland, Ohio 44102

Brown Equipment Distributor Inc.
110 Beech Street
Corydon, Indiana 47112

Bullard Supply
2409 Commerce Street
Houston, Texas 77003

Carl A. Anderson Co.
623 S. 16th Street
Omaha, Nebraska 68102

Catto & Putty, Inc.
P. O. Box 2408
510 Soledad Street
San Antonio, Texas 78205

Center Supply Company
6867 New Hampshire Avenue
Takoma Park, Maryland 20012

Dixie Sales Company
P. O. Box 1408
327 Battleground Avenue
Greensboro, North Carolina 27402

East Point Cycle & Key Shop
1617 Whiteway
East Point, Georgia 30044

Gamble Distributors
West End Avenue
Carthage, New York 13619

Garden Equipment Co., Inc.
6600 Cherry Avenue
Long Beach, California 90805

Gardenville Supply, Inc.
Pipersville, Pennsylvania 18947

Henry W. O'Neil & Assoc., Inc.
410 North Goodman Street
Rochester, New York 14609

Henzler, Inc.
2015 Lemay Ferry Road
St. Louis, Missouri 63125

Kenton Supply
8216 North Denver Avenue
Portland, Oregon 97217

Kimber's Inc.
115 W. Geddes St.
Syracuse, New York 13204

The Lawnmower Shop
1340 El Camino Real
San Carlos, California 94070

Marr Brothers
423 E. Jefferson
Dallas, Texas 75203

Mathews Auto Electric Co.
420 East 2nd Street
Tulsa Oklahoma 74120

McClure Lawn & Garden Supply
1114 Lexington Avenue
Mansfield, Ohio 44907

Memphis Cycle & Supply Co.
421 Monroe Avenue
Memphis Tennessee 38103

Morton B. Collins Co.
300 Birnie Avenue
Springfield, Massachusetts 01107

Moz-All of Florida, Inc.
365 Greco Avenue
Coral Gables, Florida 33146

National Central, Div. of
Joe Sterling, Inc.
Drawer "D" 687 Seville Rd.
Wadsworth, Ohio 44281

Parts & Sales Inc.
2101 Industrial Pkwy.
Elkhart, Indiana 46514

Power Equipment Distributor
36463 So. Gratiot Avenue
Mt. Clemens, Michigan 48043

Power Lawn & Garden Equip. Co.
2551-2571 J. F. Kennedy Road
Dubuque, Iowa 52001

Radco Distributors
2403 Market Street
P. O. Box 3216
Jacksonville, Florida 32206

Raub Supply Company
James & Mulberry Sts.
Lancaster, Pennsylvania 17604

Richmond Battery & Ignition
P. O. Box 25369 — 957 Myers St.
Richmond, Virginia 23260

Smith Hardware Company
515 N. George Street
Goldsboro, North Carolina 27530

South Denver Lawn Equip. Co.
527 West Evans
Denver, Colorado 80223

Suhren Engine
8330 Earhart Blvd.
New Orleans, Louisiana 70118

Sutton's Lawn Mower Shop
Route 4, Box 343
North Little Rock, Arkansas 72117

Warner Equipment
7520 Lyndale Avenue, So.
Minneapolis, Minnesota 55423

Woodson Sales & Service
1702 North Sylvania
Ft. Worth, Texas 76111

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES

1. **Replacement** of **Missing Parts** on new equipment.
2. **Replacement** of **Defective Parts** within the warranty period.
3. **Repair** of **Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was **purchased** or first put into service.
3. **Date of failure.**
4. **Nature of failure.**