Owner's Operating Service Instruction Manual

10¢

- ASSEMBLY
- OPERATION
- REPAIR PARTS

Model Nos.
134-430A
134-434A
134-435A

30" 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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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.

INDEX

ASSEMBLY

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

WARNING

1. 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.

NOTE

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

Your mower is shipped assembled except for the steering wheel and seat (and battery on the electric start model.)

TIRE PRESSURE

For shipping purposes the tires 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.

STEERING WHEEL ASSEMBLY See figure 1.

Step 1. Line up the hole in the steering column and the hole in the tubing assembly and drive in the roll pin with a hammer.

NOTE

It may be necessary to use a drift to line up the holes.

Step 2. Place the end caps on the spacer.

Step 3. Slide the spacer over the tubing assembly until it lays flush against the steering box.

Step 4. Place the steering wheel on the tubing shaft.

Step 5. Secure in place with Belleville washer and hex nut.

Step 6. Put on steering wheel cap by hand.

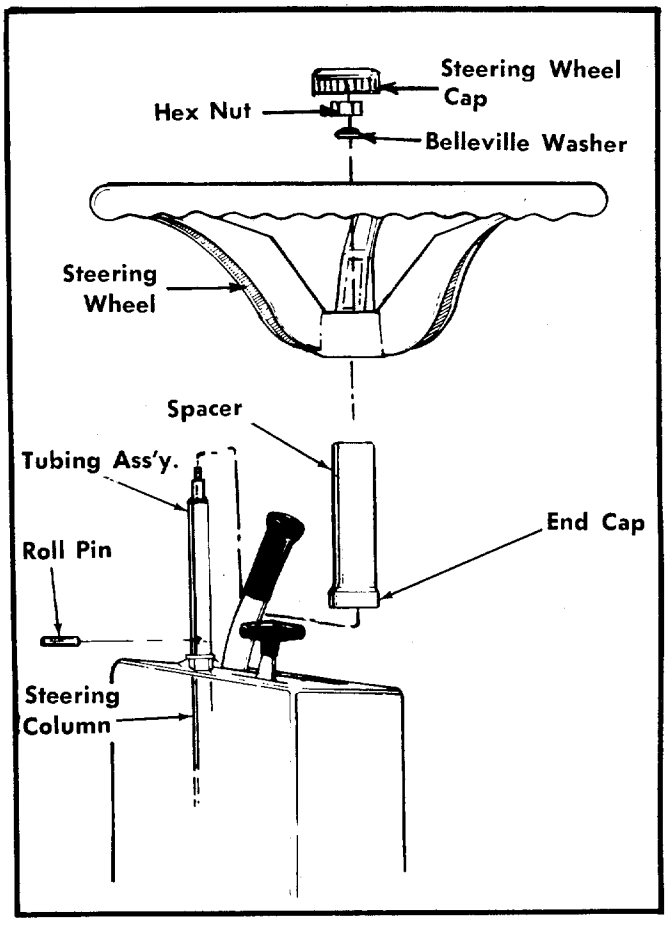


FIGURE 1. STEERING WHEEL ASSEMBLY

SEAT ASSEMBLY. See figures 2 and 3.

Step 7. Hook the large carriage bolt B into the bottom of the seat as shown in figure 2.

Step 8. Place the seat on the seat spring and secure with hex nut C. See figure 3.

NOTE

The seat is adjustable using any one of the four mounting holes.

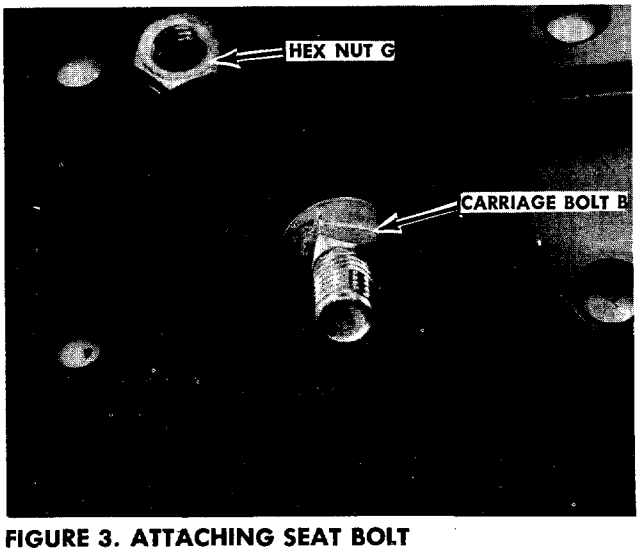


FIGURE 3. ATTACHING SEAT BOLT

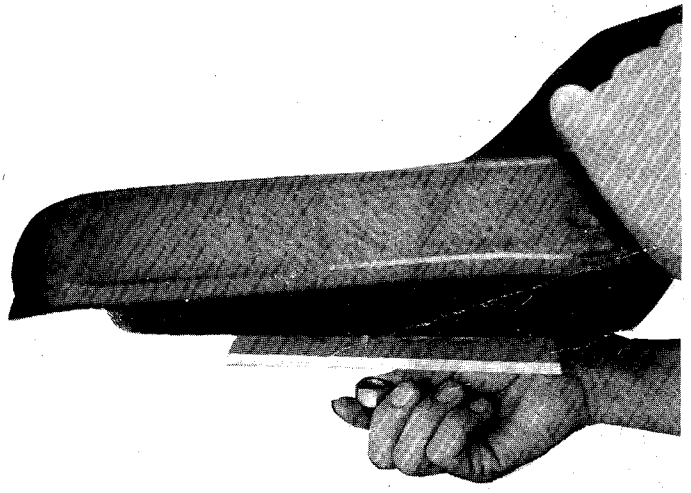


FIGURE 3. SEAT ASSEMBLY

Step 9. Check ALL nuts and bolts for correct tightness.

ACTIVATING THE BATTERY (Electric Start Models Only)

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.

Step 1. Place the battery to be filled on a bench. Never activate the battery in the mower.

Step 2. Remove the vent plugs.

Step 3. Place the acid pack in the upright position, pull the tab back to the edge of the carton, pull out hose, snip off end.

Step 4. Fill each cell until the electrolyte level rises to the split ring at the bottom of the vent well.

CAUTION

Do not over-fill.

Step 5. After filling the cells, wait five to ten minutes and add additional electrolyte if necessary to bring it up to the proper level.

Step 6. Replace the vent caps.

Step 7. Using the battery charger packed with your mower, charge the new battery for 2 hours before installing it in the riding mower.

NOTE

If you want to use a larger rated charger, use this guide.

25-30 amps	10 to 15 minutes
4-6 amps	30 minutes

INSTALLING THE BATTERY (Electric Start Models Only) See figure 4.

Step 1. Tip the seat bracket forward to expose the battery box.

Step 2. Remove screw (A) and lockwasher (B).

Step 3. Lift out the battery box bracket.

Step 4. Place the battery in the battery box with the positive terminal (+) to the front of the riding mower.

Step 5. Attach the large red wire from the solenoid and the small red wire to the positive (+) terminal of the battery with a ¼" screw (E), washer (D) and nut (C).

Step 6. Attach the large red wire from the ground (–) to the negative (–) terminal of the battery with a ¼" screw (E), washer (D) and nut (C).

Step 7. Replace the battery box bracket with screw (A) and washer (B). See figure 4.

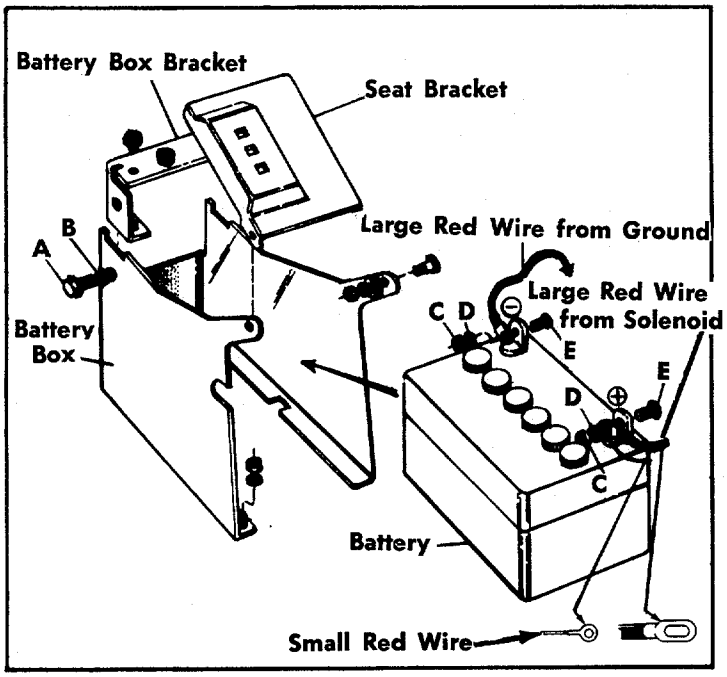


FIGURE 4. INSTALLING THE BATTERY

BATTERY CHARGER

1. The battery may be charged without removing it or without disturbing the cable connectors at the battery terminals.

2. Be sure the switch is in the 12 o'clock position.

3. Connect battery clips to battery terminals. Clip with (+) mark connects to positive terminal of the battery. Clip with no marking connects to negative terminal of battery. (Red clips are + and black clips are –.) Be sure that battery terminals are clean where charger clips are to be connected. Move clips back and forth several times to be sure a tight connection is made.

4. If sparking occurs at battery clips when connecting them to battery terminals the clips should be reversed on the battery terminals.

5. Make sure the voltage of the battery is the same as that of the charger, as mentioned before. Connect AC plug to an alternating current outlet of the same voltage and frequency as shown on the name plate of the charger. (To prevent short circuiting of the battery charger, be sure to connect clips to battery terminals before plugging into the AC outlet.)

6. The battery charger is equipped with an automatic circuit breaker which protects the charger against short circuits and overloads. These will cause the circuit breaker to trip open. After a short cooling off period the circuit breaker will "reset" automatically and allow the charger to operate normally. If the circuit-breaker trips open, make sure battery connections are correct.

7. If the charger continues to trip and connections are correct, the probable cause is in the battery, which may have been allowed to discharge below its normal discharge condition (or it may have one or more shorted cells). If this condition exists it will draw too much current and cause the circuit breaker to trip on and off. This will continue until the battery has recovered sufficiently to allow a normal charging current.

8. The charging rate depends upon the AC supply voltage and the internal condition of the battery. Under certain of these conditions the charger may not deliver its maximum charging rate to the battery. This should not be taken as an indication that the charger is inefficient.

9. The average time required to charge a battery is 8-10 hours for a completely discharged battery.

CONTROLS See figure 6.

This manual should be read in its entirety before you operate your Riding Mower. The more you know and understand about the machine and its operation, the better job it will do for you. While reading the manual, compare the illustrations with your mower to familiarize yourself with the locations of various controls, lubrication points, attachments and adjustment features.

Study the operating instructions and safety precautions thoroughly to insure proper functioning of your mower and to prevent injury to yourself and others. Be sure to save this manual for future reference.

THROTTLE CONTROL

The throttle control is used to regulate the engine speed and to activate the choke on the engine. To get the maximum efficiency on cutting, the throttle should be in the FAST position when operating the mower. Pushing the throttle all the way forward, past FAST will choke the engine.

IGNITION KEY

Recoil Model. The key must be turned to the ON position before the recoil handle is pulled to start the engine. Remove the key when the mower is not in use. Turn the key to the left (to the OFF position) to stop the engine.

LIFT AND DISENGAGEMENT LEVER

The lift and disengagement lever is used to raise and lower the cutting deck, set the cutting height, and disengage the cutting blades.

Move the lever to the left and pull the lever all the way back and lock it to disengage the blades. The lever may be set in any one of the five cutting height positions. This lever works in conjunction with the deck wheel adjusters.

Electric Model. The key must be turned to the START position to start the engine. After the engine is running let the key return to the ON position. Remove the key when the mower is not in use. Turn the key to the OFF position to stop the engine.

INTERLOCKS (Not Shown)

An interlock safety switch is located on the clutch pedal and the lift and disengagement lever.

The clutch pedal must be depressed all the way down (the speed control handle can be pulled back to lock it down) and the lift and disengagement lever must be in the STOP position (all the way back) before the engine can be started. Failure to follow these instructions will prevent starting.

On the recoil start model, the ignition will be grounded. On the electric start model, the starter will not run.

GEAR SHIFT LEVER

The gear shift lever has three positions, FORWARD, NEUTRAL and REVERSE. The clutch pedal must be depressed and the riding mower must not be moving when shifting gears. Shifting gears may be difficult when the speed control handle is all the way back. Do not force the shift lever. Release the clutch pedal slightly to line up the shifting collar in the transmission. Then try to shift the gears.

BRAKE

To operate the brake depress the right pedal all the way down. To lock the brake in the park position, pivot the pedal forward with your foot as you depress it. It will stay in the depressed position. To release the parking brake, pivot the pedal to the rear.

DECK WHEEL ADJUSTERS

Always set both deck wheels in the same relative position. Set these wheels after the Lift and Disengagement Lever is set. The wheels should just clear the ground. This will prevent scalping the grass.

CLUTCH PEDAL

The clutch pedal on the left side when depressed reduces the ground speed. It disengages the engine from the transmission when depressed all the way down. It can be held in the disengaged position by pulling the Speed Control Handle into the locked position (all the way back). To stop the mower, depress the Clutch and Brake Pedals.

SPEED CONTROL HANDLE. See figures 5 and 6.

The Speed Control Handle can be used as a hand control for the clutch pedal. It is also used to lock the clutch pedal in the disengaged position by pulling it all the way back towards the operator.

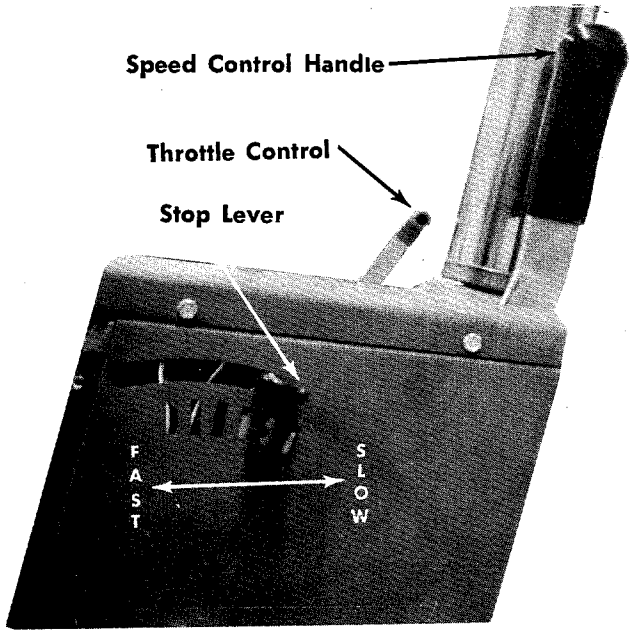


FIGURE 5. SPEED CONTROL

STOP LEVER. See figures 5 and 6.

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.

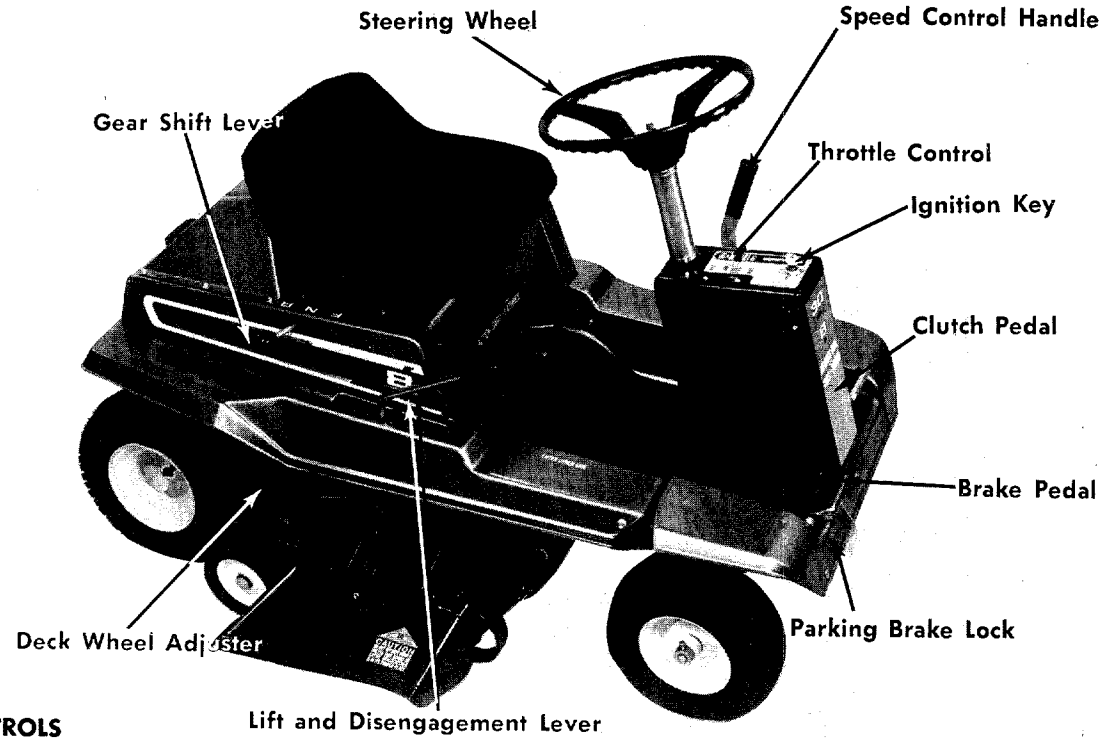


FIGURE 6. CONTROLS

NOTE

The further forward the Stop Lever is set, the faster the ground speed.

Depressing the clutch pedal at any time will slow the mower. If depressed all the way, it will stop the mower.

STOPPING

Engine—Turn the ignition key to the left to the OFF position.

Rider—Depress the clutch and brake pedals.

Blades—Pull the lift and disengagement lever all the way back and lock it.

OPERATING INSTRUCTIONS

CAUTION

1. Keep all shields and guards in place.
2. Before leaving operator's position:
   - Shift controls into neutral
   - Set parking brake
   - Disengage attachment drive
   - Shut off engine
   - Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.

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 the clutch when applying the brakes.

STARTING THE ENGINE

1. Be sure the crankcase is filled with oil as recommended in the engine manual. Put regular gasoline in the gasoline tank.
2. Be sure the fuel shut off valve located on the carburetor is open.
3. Attach the wire to the spark plug.
4. Depress the clutch pedal and lock it down with the speed control lever.
5. Pull the lift and disengagement lever all the way back to the disengaged position and lock it.
6. Set the throttle control lever in the CHOKE position.
7. **Recoil Model.** Turn the ignition key to the ON position. Twist the recoil starter handle until it is free and pull it with a quick steady motion. After the engine starts, return the recoil starter handle. Twist it until it locks. See figure 7.

NOTE

If these instructions are not followed the engine will stop running when you engage the clutch or blades are engaged.

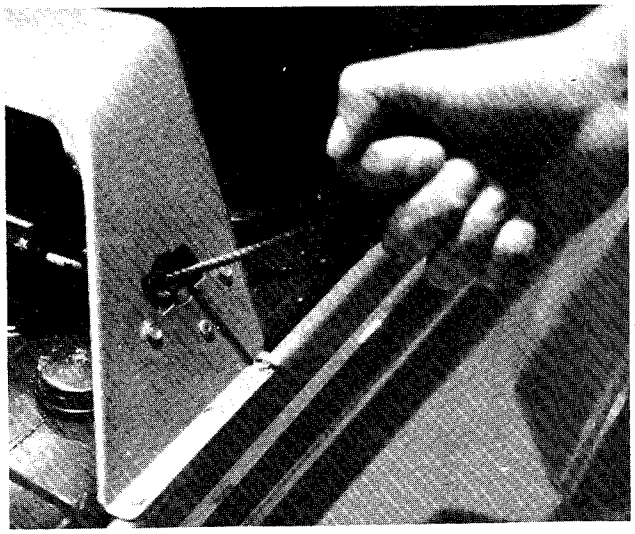


FIGURE 7. RECOIL STARTER

Electric Start Model. Turn the ignition key to the START position. When the engine starts let the key return to the ON position.

Slowly return the throttle to the running position as soon as the engine starts.

8. To stop either model, turn the ignition key to the OFF position. Remove the key when the rider is not in use.

PUTTING THE RIDING MOWER IN MOTION

1. Advance the throttle control from ¾ to full throttle to prevent strain on the engine and to operate the cutting blades.
2. Set the stop lever in the slowest position.
3. Hold the clutch pedal down with your left foot and release the speed control lever.
4. Place the gear shift lever in either the FORWARD or REVERSE position.
5. Slowly release the clutch pedal.
6. To stop, depress the clutch and the brake pedals.
7. The blades can be engaged while moving or while standing still. Move the lift and disengagement lever forward slowly until the blades are running.

After learning to control the machine at slow speeds, set the stop lever in a faster position. The unit will maintain the highest speed set without touching the controls. To slow down, depress the clutch pedal until the speed desired is obtained. When the clutch pedal is released, the riding mower will operate at the highest speed set on the stop lever.

MAINTENANCE AND ADJUSTMENTS

THROTTLE CONTROL

To Check Operation:

1. Remove air cleaner.
2. Move throttle control lever to CHOKE position. The carburetor choke should be closed.
3. Move throttle control lever to STOP position. Lever should make good contact with stop switch.

To Adjust: See figure 8.
Place throttle control lever 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". Replace air cleaner.

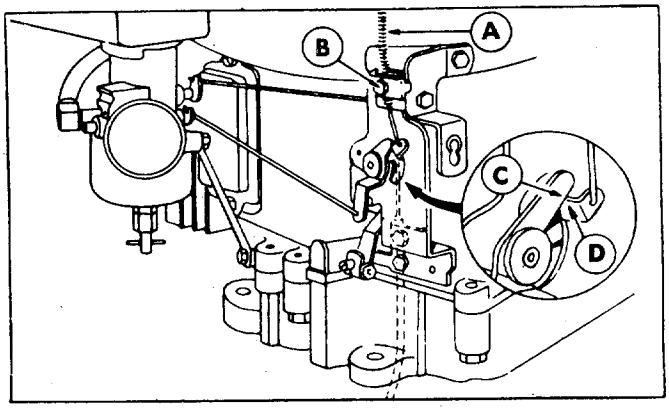


FIGURE 8. THROTTLE ADJUSTMENT

CARBURETOR ADJUSTMENT

Carburetors are adjusted at the factory and normally do not need adjustment unless they have been disassembled.

Initial Adjustment After Re-assembly. See figure 9.
Turn needle valve clockwise until it just closes. CAUTION: Valve may be damaged by turning it too far. Now open needle valve 1-1/8 turns counterclockwise. Close idle valve in same manner and open 1-1/8 turns. This initial adjustment will permit the engine to be started and warmed up prior to final adjustment.

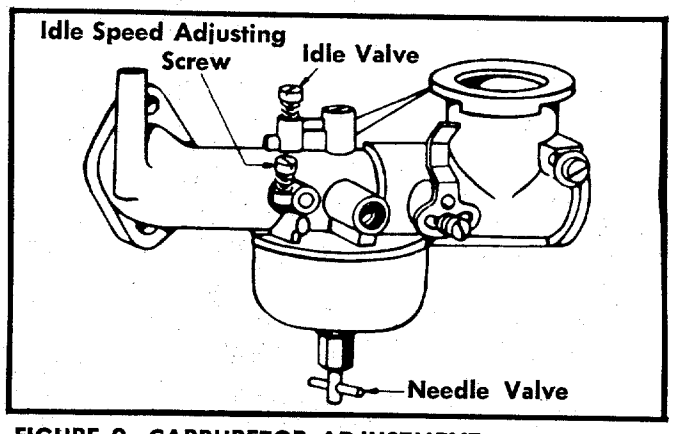


FIGURE 9. CARBURETOR ADJUSTMENT

Final Adjustment. See figure 9.

Turn needle valve in until engine misses (lean mixture). Then turn it out past smooth operating point until engine runs unevenly (rich mixture). Now turn needle valve to the mid-point between rich and lean so the engine runs smoothly.

Hold throttle at idle position and set idle speed adjusting screw until fast idle is obtained (1750 RPM). Hold throttle in idle position and turn idle valve in (lean) and out (rich) until engine idles smoothly. Then reset idle speed adjusting screw so that engine idles at 1750 RPM. Release throttle—engine should accelerate without hesitation or sputtering. If engine does not accelerate properly the carburetor should be re-adjusted to a slightly richer mixture.

CHAIN ADJUSTMENT

After the first five hours of operation the initial slack should be removed from the chain. The chain should be tight enough so that it deflects approximately ½" when it is depressed with the thumb.

To Adjust:

The adjusting bolt is located under the frame, above the cutting deck on the right side of the mower.

Turn the adjusting bolt clockwise with an open end wrench until the chain reaches the proper tension.

NOTE

If the transmission mounting plate will not slide forward to adjust the chain tension, it may be necessary to loosen the four nuts mounting the transmission to the frame.

To adjust the brake, tighten the locknut one half turn and then test the brakes. Repeat if necessary.

The brake is located by the right rear wheel inside the frame.

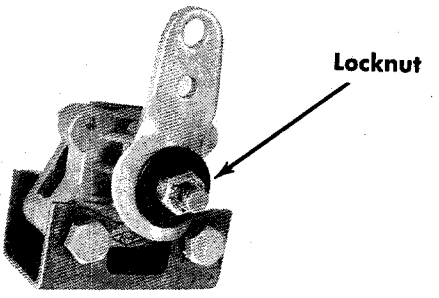


FIGURE 10. BRAKE ADJUSTMENT

BLADES

WARNING

Disconnect the spark plug wire and remove the ignition key before removing the blades.

Sharp and balanced blades are essential for efficient mowing and long mower and engine life. When sharpening blades, file equal amounts of metal from each side. The blades should be balanced before they are reinstalled. An unbalanced blade will cause excessive vibration and undue wear on the mower and the engine. When reassembling, all parts must be installed in the proper order and fastened securely.

Remove the ⅜" bolt and lockwasher. Pull the blade and adapter off the mower deck. To remove the adapter from the blade, remove the two 5/16" bolts, lockwashers and nuts. See figure 11.

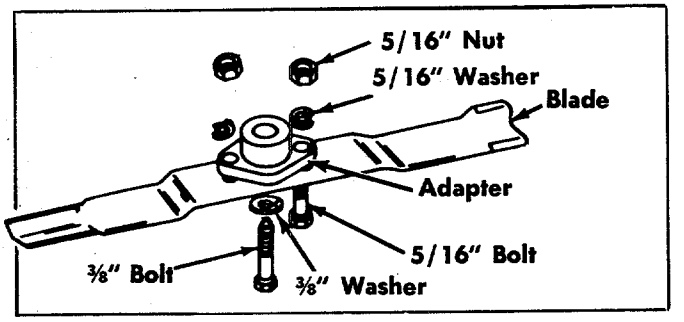


FIGURE 11. BLADE REMOVAL

MOWER DECK

The underside of the mower deck should be cleaned after each period of use as grass clippings, leaves, dirt and other matter will accumulate. This accumulation of grass clippings, etc., is undesirable as it will invite rust and corrosion and may cause an uneven discharge of grass clippings at the next mowing.

The deck may be cleaned by tilting the mower on its front wheels until the frame and the steering wheel supports the entire unit. Scrape clean with a suitable tool or by washing with a stream of water from a garden hose. Be sure to disconnect the spark plug wire and ground it while performing this maintenance.

BELT REMOVAL. See figure 12.

To remove either or both belts:

1. Place the speed control lever in the locked position.
2. Move the lift and disengagement lever into the disengaged position.
3. Remove the two rear hex nuts on the engine bolts to remove the engine belt guard and slide the guard away from the chain to remove it.
4. Lower the cutting deck to its lowest position.
5. Remove the blade drive belt from the engine pulley.

NOTE

The blade drive belt need not be removed. Go to Step 8.

6. Remove the deck belt guards.
7. Remove and replace the belt.

To remove the variable speed belts:

8. Remove the variable speed pulley by removing the center hex nut and lockwasher.
9. Remove the transmission pulley by removing the hex nut and washer.
10. The belts can now be removed.

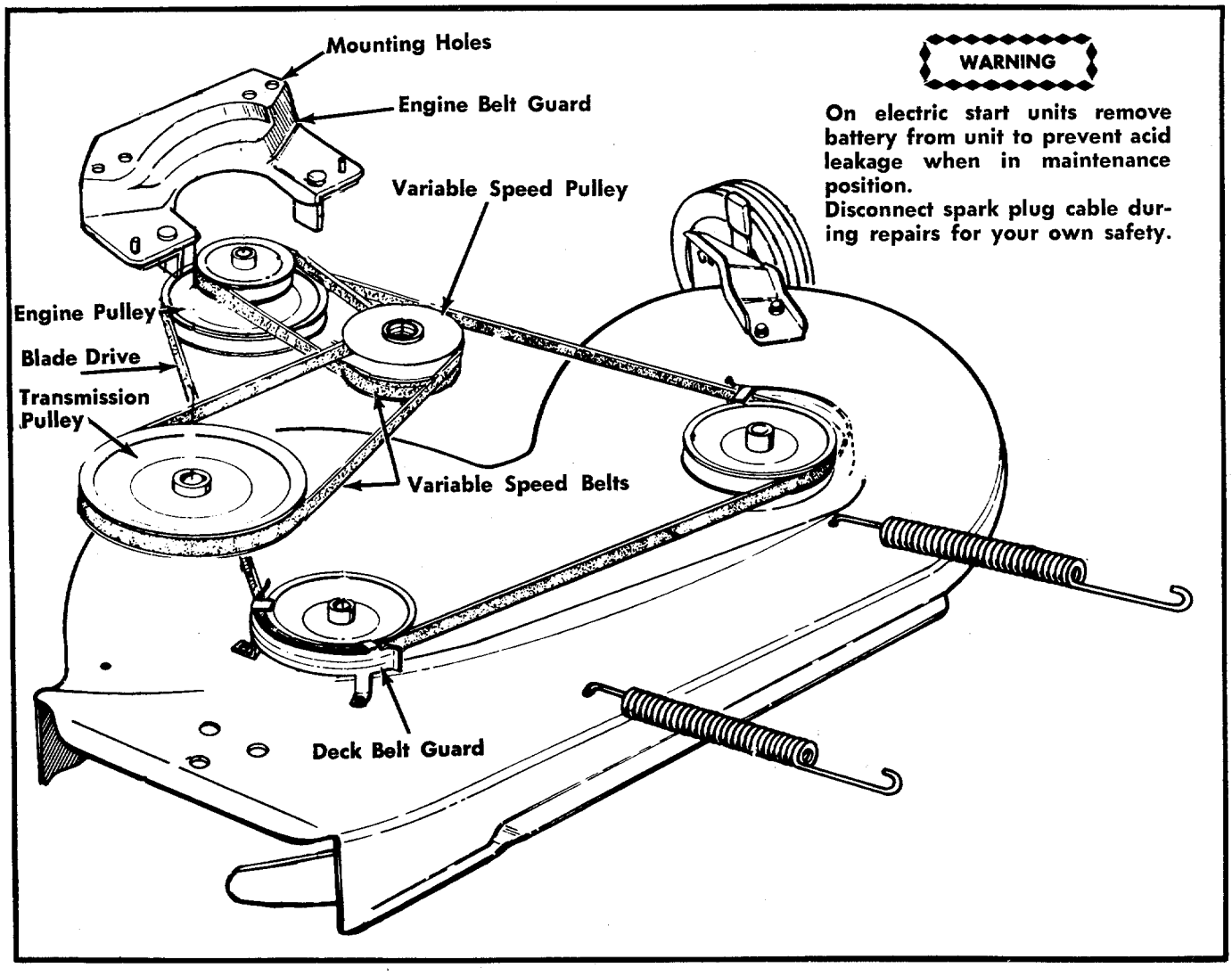


FIGURE 12. BELT REMOVAL

LUBRICATION

1. **Engine.** Maintain the engine oil according to the engine manual.

2. **Bearings.** The following bearings are oil impregnated and do not require lubrication, however, their normal life can be extended by lubricating them once a season with a light, non-detergent oil.

   A. King Pin Bearings (total 4 bearings)

   B. Rear Axle Bearings (total 3 bearings)

   C. Front Wheel Bearings (total 4 bearings)

   D. Deck Wheel Bearings (total 4 bearings)

3. **Throttle Control and Cable.** Wipe oiled rag along entire length of cable.

4. **Chain.** Wipe oiled rag along entire length of chain.

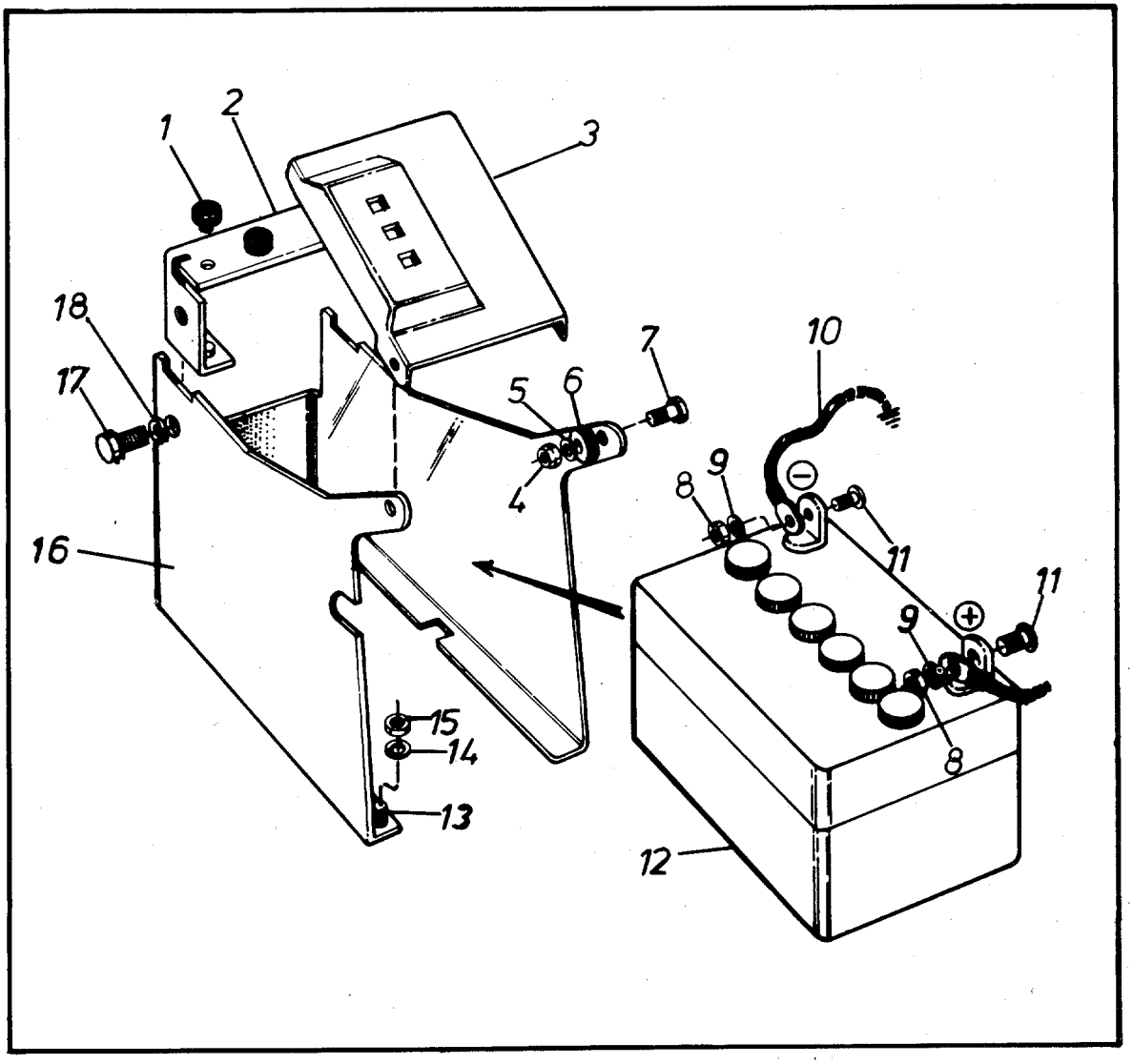
NOTE

Under extremely dusty conditions do not oil the chain.

5. **Linkage.** Oil all deck linkage and height adjustment linkage.

6. **Transmission.** Lubricated at the factory, does not require checking. Lubricate with 5 oz. of grease, high temp. 450°F, if disassembled.

7. **Differential.** Lubricated at the factory, does not require checking. Lubricate with 2 oz. of grease, high temp. 450° F if disassembled. If ordered from the factory use Part No. 737-120.



BATTERY BOX BREAKDOWN

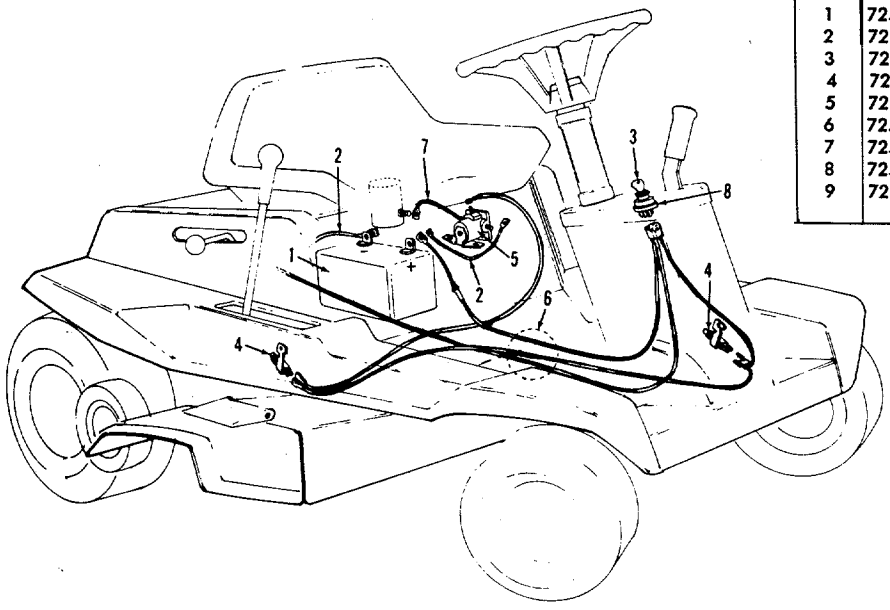
PARTS LIST FOR BATTERY BREAKDOWN MODELS 134-430A, 434A AND 435A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	735-109		Stem Bumper	
2	10062—458		Battery Box Bracket Ass'y.	
3	10060—458		Seat Bracket	
4	712-267		Hex Nut 5/16-18 Thd.*	
5	736-159		Flat Washer .344 I.D. x .88 O.D.	
6	735-127		Rubber Washer .33 I.D. x .87 O.D.	
7	710-198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
8	712-287		Hex Nut ¼-20 Thd.* (133-434 & 435)	
9	736-329		Spring Lockwasher ¼" Scr.* (133-434 & 435)	
10	725-150		Battery Ground Wire (133-434 & 435)	
11	710-252		Hex Hd. Cap Scr. ¼-20 x .75" Lg.* (133-434 & 435)	
12	725-117		Battery Dry 12 Volt with Acid Pack (133-434 & 435)	
13	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
14	736-119		Spring Lockwasher 5/16" Scr.*	
15	712-267		Hex Nut 5/16-18 Thd.*	
16	10059—458		Battery Box	
17	710-216		Hex Hd. Cap Scr. ⅜-16 x .75" Lg.*	
18	736-169		Spring Lockwasher ⅜" Scr.*	

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

PARTS LIST FOR ELECTRIC START MODEL

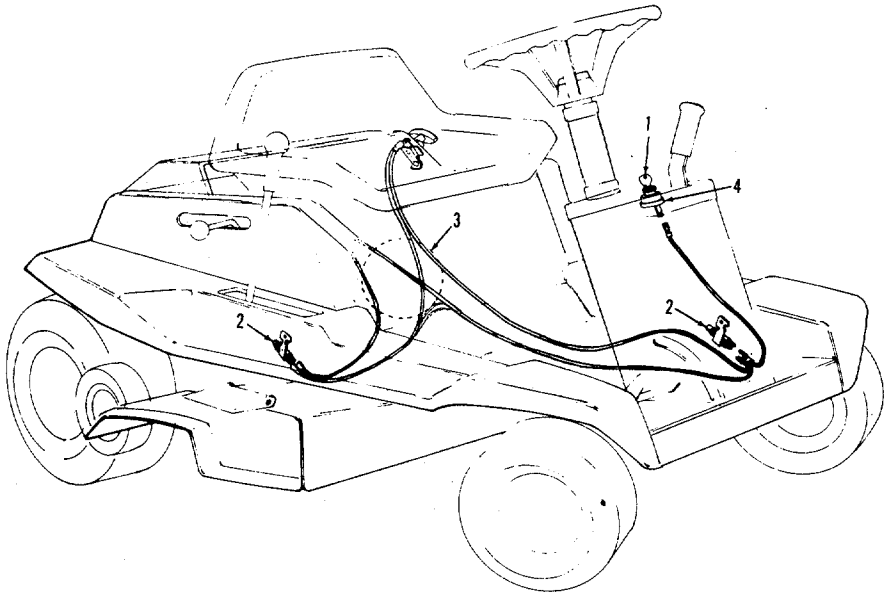
REF. NO.	PART NO.	DESCRIPTION
1	725-117	Battery
2	725-122	Wire
3	725-179	Key Only for Switch
4	725-268	Safety Switch (Black)
5	725-270	Solenoid—Cole #24022
6	725-280	Wire Harness
7	725-150	Wire
8	725-267	Switch
9	725-156	Battery Charger 1¼ Amps. (Not Shown)



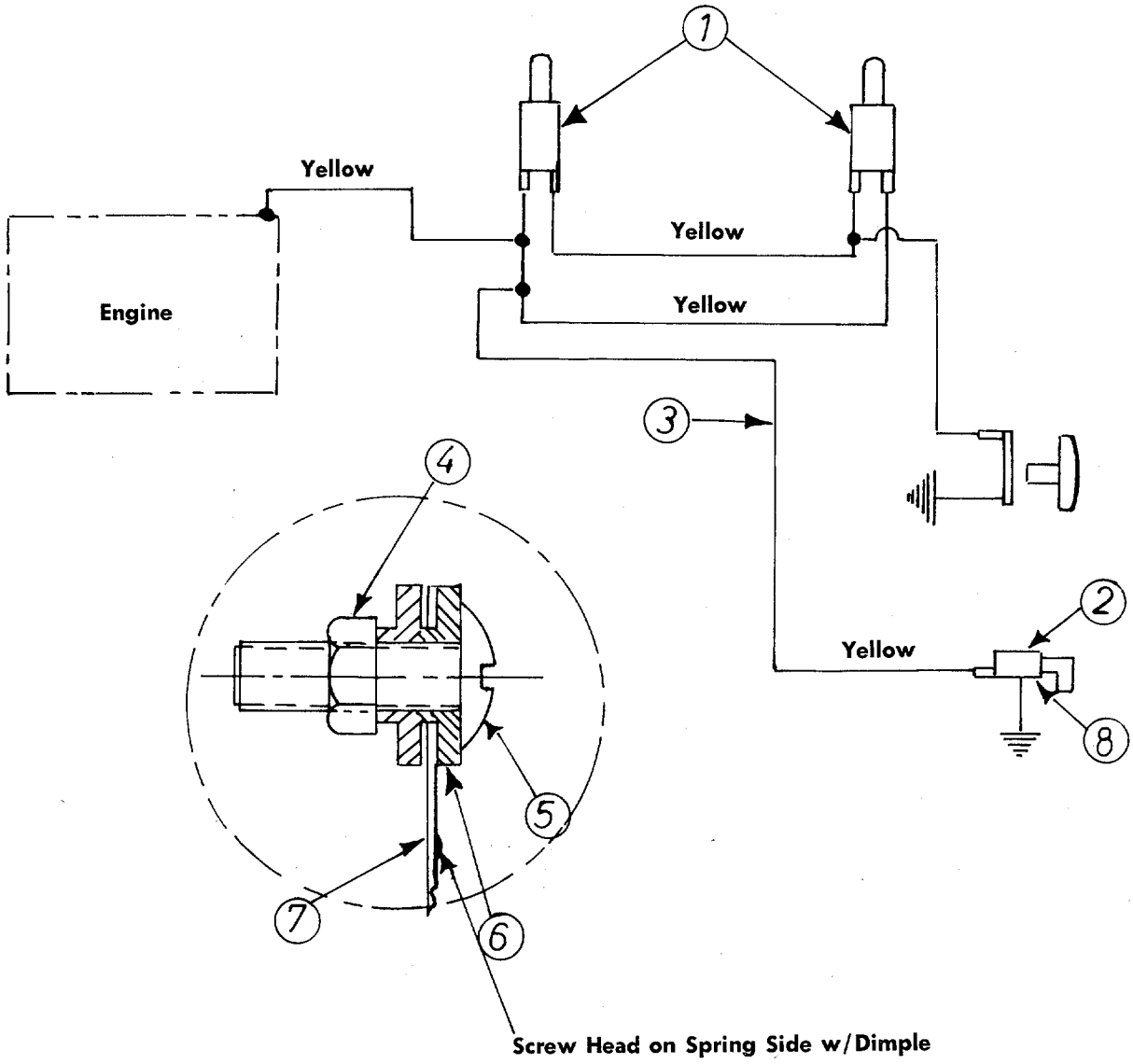
ELECTRICAL SYSTEM (ELECTRICAL START MODEL)

PARTS LIST FOR RECOIL START MODEL

REF. NO.	PART NO.	DESCRIPTION
1	725-128	Key Only for Switch
2	725-269	Safety Switch (Red)
3	725-281	Wire Harness
4	725-266	Switch



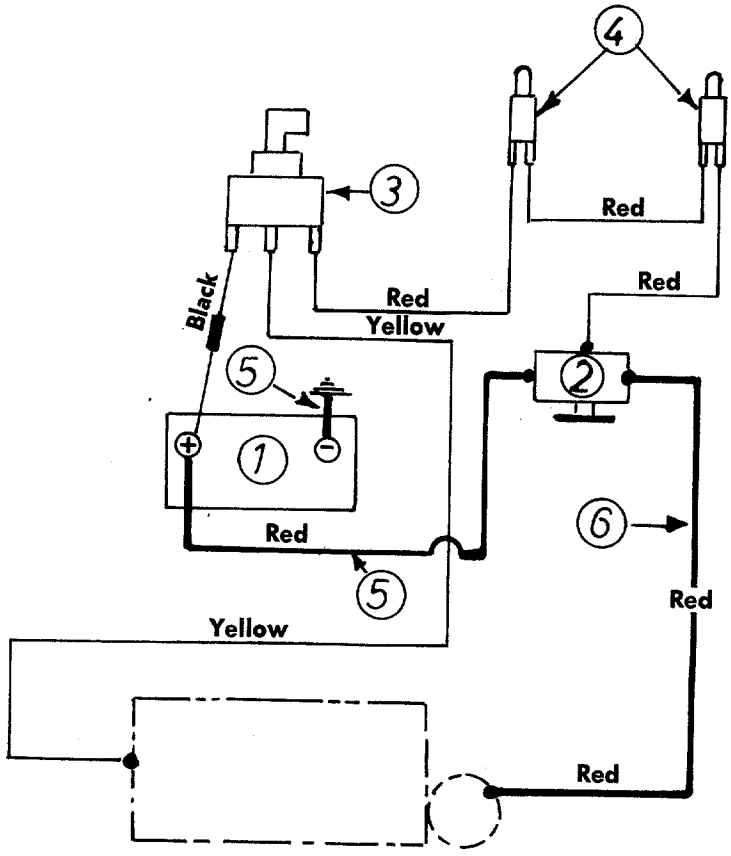
ELECTRICAL SYSTEM (RECOIL START MODEL)



SCHEMATIC FOR ELECTRICAL SYSTEM

PARTS LIST FOR SCHEMATIC MODEL 134-410A

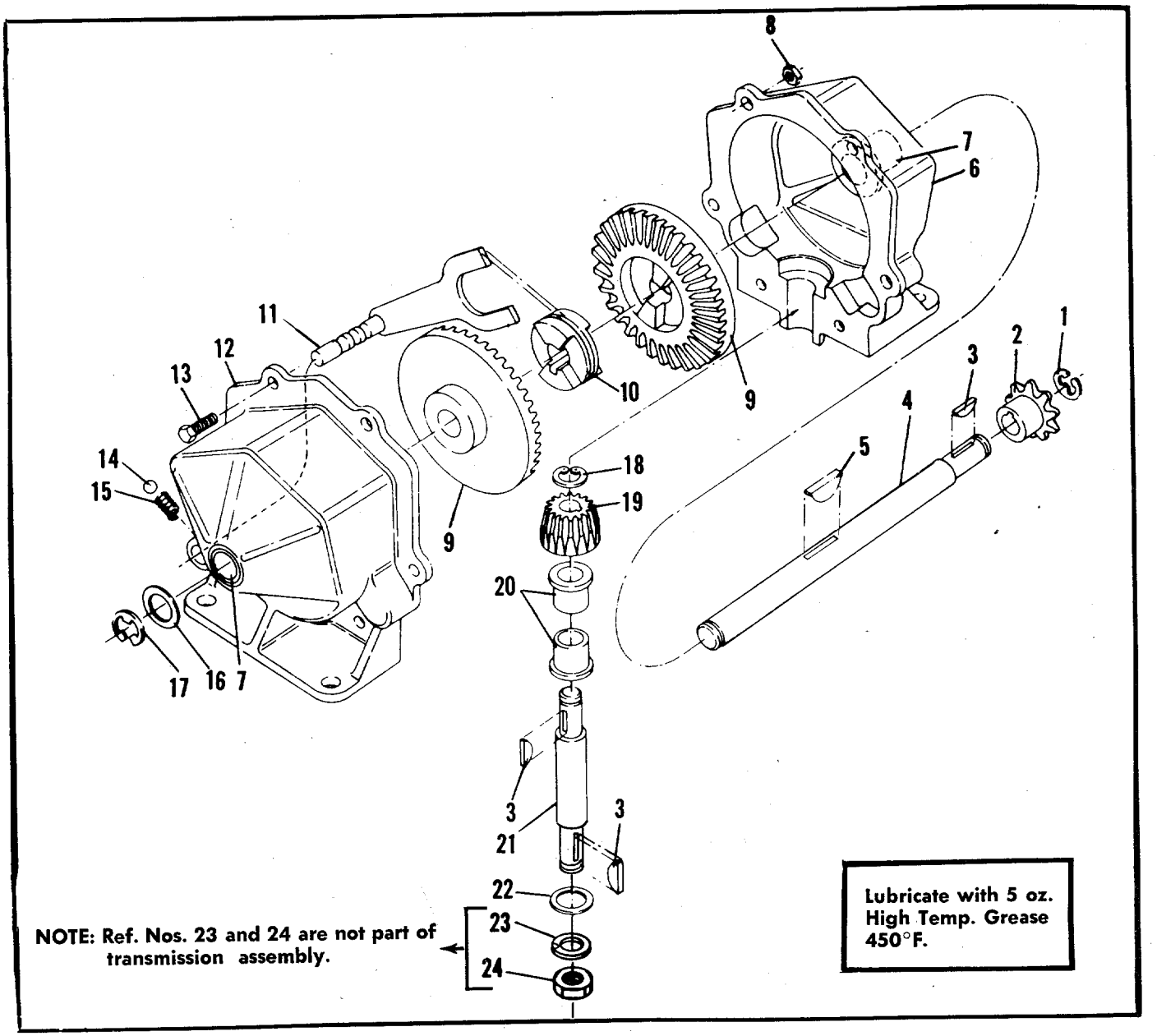
REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-269	Safety Switch Norm Closed–Red	
2	725-266	Magneto Ignition Switch w/Nut	
3	725-281	Wire Harness	
4	712-121	Hex Nut #10-24	
5	710-425	Truss Mach. Scr. #10-24 x .62	
6	736-338	Fiber Washer	
7	732-257	Switch Spring	
8	736-225	Internal L-Wash. ⅝ I.D.	



SCHEMATIC FOR ELECTRIC START MODEL

PARTS LIST OF SCHEMATIC FOR ELECTRIC START MODEL

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-117	Battery	
2	725-270	Solenoid	
3	725-267	Key Switch	
4	725-268	Safety Switch—Black	
5	725-122	Electric Wire	
6	725-150	Electric Wire	
7	725-280	Wire Harness	



SINGLE SPEED TRANSMISSION PART NO. 717-223

PARTS LIST FOR TRANSMISSION USED ON MODELS 134-430A, 434A AND 435A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	716-104		Snap Ring	
2	748-852		Sprocket 8T #41	
3	714-129		Key Hi-Pro #4	
4	711-854		Shaft Output	
5	714-126		Key Hi-Pro #606 (Hardened)	
6	717-123		Housing Half	
7	748-855		Bearing	
8	712-117		Locknut ¼-28 Thd.*	
9	748-856		Bevel Gear	
10	748-857		Clutch Collar	
11	8583		Detent Shaft Assembly	
12	717-124		Housing Half with Detent Hole	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
13	710-195		Hex Hd. Cap Scr. ¼-28 x .62*	
14	741-862		Detent Ball	
15	732-863		Detent Spring	
16	736-116		Washer	
17	716-106		E-ring	
18	716-865		Snap Ring #3100-50	
19	748-866		Bevel Pinion	
20	748-867		Bearing	
21	738-159		Pinion Shaft	
22	736-192		Washer	
23	736-921		Lockwasher ½"*	
24	712-922		Hex Jam Nut ½-20 Thd.*	
25	737-120		Grease High Temp. 450°F. (5 oz.)	

*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.

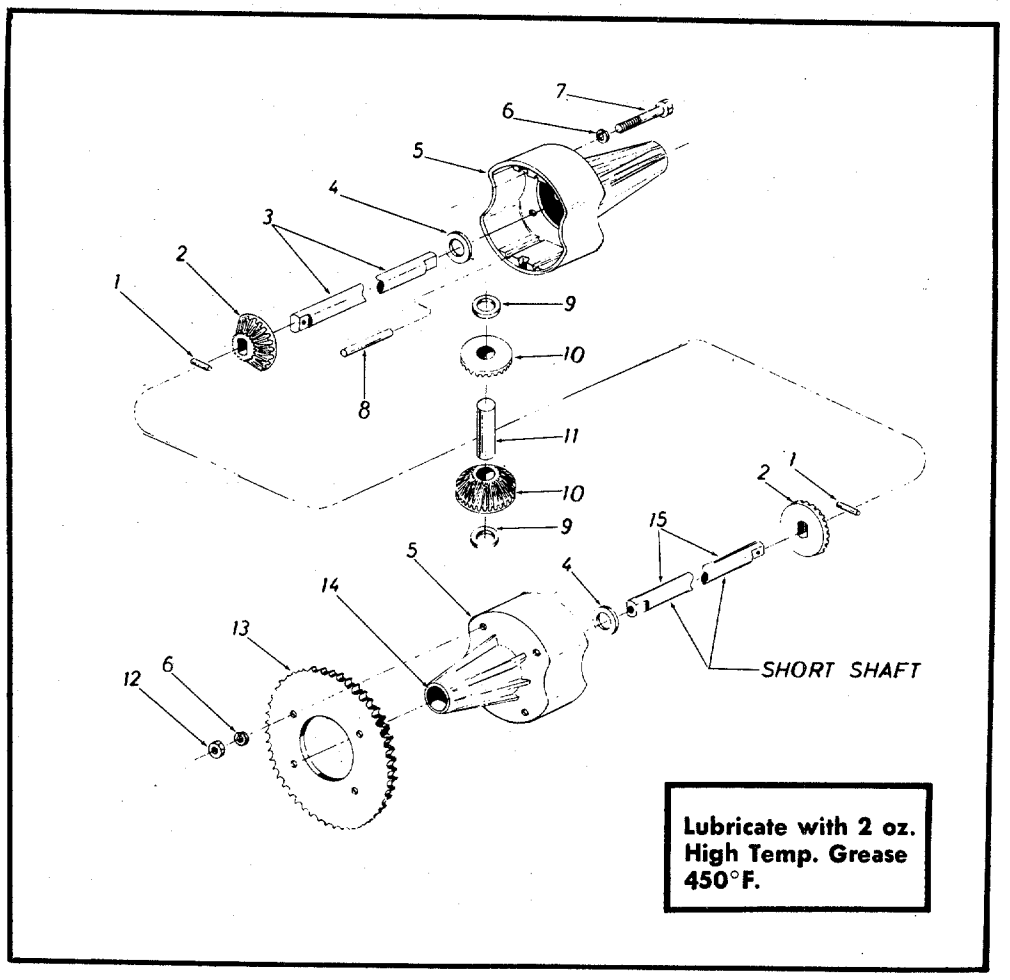


FIGURE 14. DIFFERENTIAL ASSEMBLY

PARTS LIST FOR DIFFERENTIAL ASSEMBLY
PART NUMBER 717-271

REF. NO.	PART NO.	QT'Y REQ'D	DESCRIPTION	NEW PART
1	715-247	2	Spring Pin Spir. 3/16" Dia. x 1.00" Lg.	
2	748-185	2	Gear—Double "D" Hole	
3	738-262	1	Shaft—Long 19.17" Lg.	N
4	736-188	2	Fl-Wash. .760 I.D. x 1.49 O.D.	
5	719-150	2	Housing Half	
6	736-119	8	L-Wash. 5/16" Scr.*	
7	710-363	4	Hex Scr. 5/16-24 x 4.00" Lg.	
8	715-123	2	Dowel Pin 3/16" Dia. x .62" Lg.	
9	736-187	2	Fl-Wash. .640 I.D. x .24 O.D.	
10	748-158	2	Gear—Round Hole	
11	711-276	1	Drive Pin	
12	712-237	4	Hex Center L-Nut 5/16-24 Thd.	
13	9054	1	Sprocket—40 Tooth	
14	748-169	2	Flange Bearing	
15	738-261	1	Shaft—Short 6.93" Lg.	N
	737-120		Grease-Hi. Temp. 450° F (2 oz.)	

***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 the parts list.**

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.

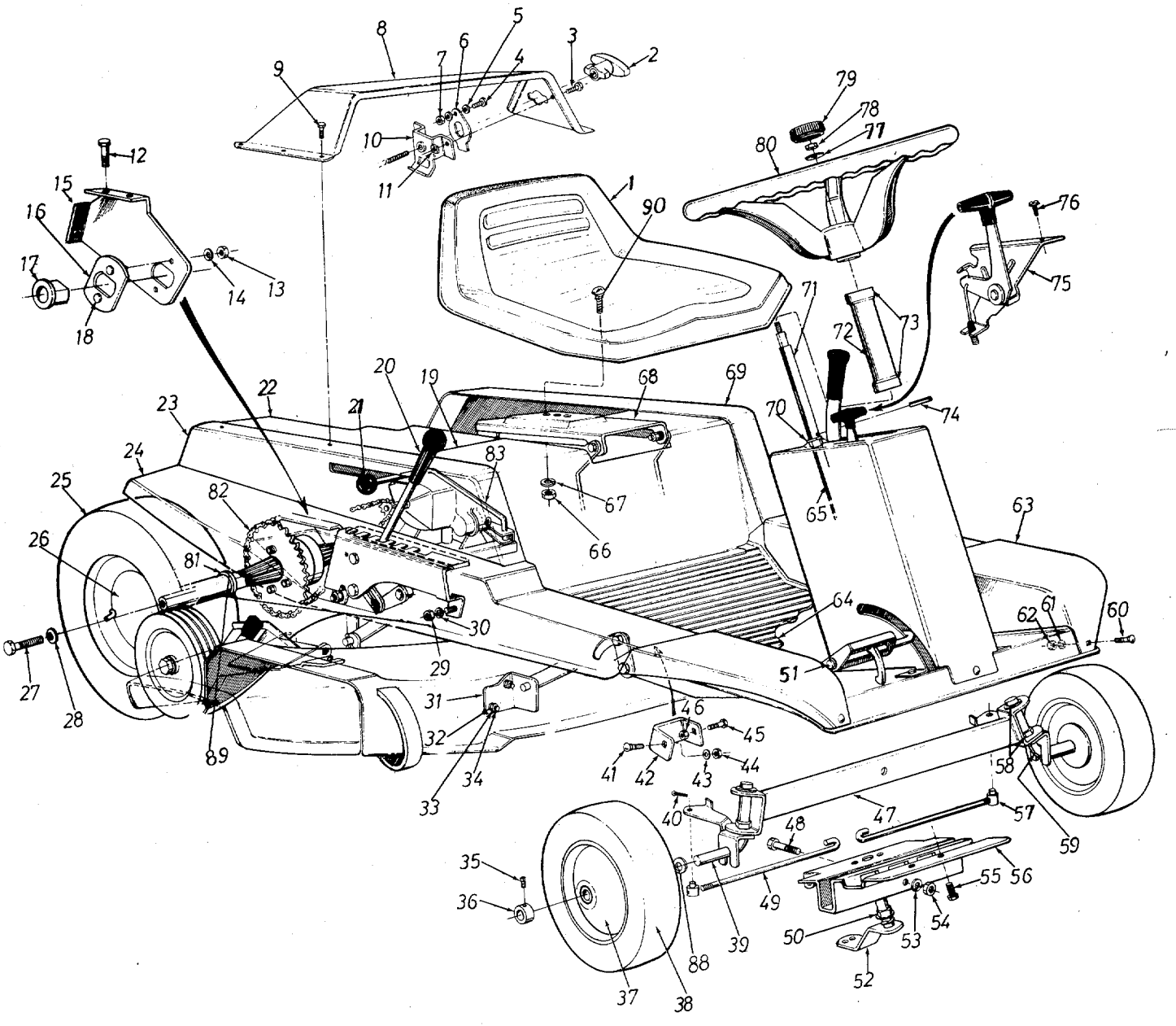
TROUBLE SHOOTING CHART FOR ELECTRIC START MODELS

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.

134-430A
134-434A
134-435A

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

MODEL



EXPLODED VIEW OF RIDER

PARTS LIST FOR MODELS 134-430A, 434A AND 435A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	757-252		Seat Ass'y. 10.0" Back	N
2	11263		Handle—Plastic (134-430A Only)	
3	710-351		Truss Hd. Self Tap Scr. #10 x .50 Lg. (134-430A)	
4	710-425		Truss Hd Mach Scr. #10-24 x .62 (134-430A)	
5	736-338		Fiber Washer (134-430A Only)	
6	732-257		Switch Spring (134-430A Only)	
7	712-121		Hex Nut #10-24 Thd. (134-430A Only)	
8	11528	—458	Eng. Box Top Bezel (134-430A Only)	
	11527	—458	Eng. Box Top Bezel (134-434A and 435A)	
9	710-224		Hex AB-Tapp Scr. #10 x .50"	
10	11053		Switch Brkt. Ass'y. (134-430A Only)	
11	712-287		Hex Nut ¼-20 Thd.* (134-430A Only)	
12	710-198		Hex Sems Scr. 5/16-18 x .75"*	
13	712-267		Hex Nut 5/16-18 Thd.*	
14	736-119		Spring L-Wash. 5/16" Scr.	
15	10471		Rear Axle Sup Brkt. Ass'y.	
16	10470		Bearing Plate	
17	748-151		Flange Brg. with Flats .753 I.D.	
18	710-198		Hex Sems Scr. 5/16-18x.75"*	
19	10826	—458	Eng. Box—Front Panel	
20	720-143		Grip Black—Lift Handle	
21	720-165		Ball Knob—Blk. 1⅜x⅜-16 Thd	
22	10827	—458	Eng. Box—Top Panel	
23	10824	—458	Eng. Box—Side Panel—R.H.	
24	10809	—458	Fender R.H (134-430A and 435A Only)	
25	734-523		Rear Wheel Ass'y.—Comp. 13.0 x 5.0	
26	734-517		Rear Wheel Rim Ass'y. Only (Includes Hub)	
27	710-568		Hex Tap Scr. 5/16-18 x .75" lg.	
28	736-242		Belleville Wash. .345 I.D. x .88 O.D.	
29	712-267		Hex Nut 5/16-18" Thd.*	
30	736-119		L-Wash. 5/16" Scr.*	
31	11168		Lift Bracket	
32	736-329		L-Wash. ¼" Scr.*	
33	712-287		Hex L-Nut ¼-20 Thd.*	
34	710-289		Hex Hd. Cap Scr. ¼-20x.50"*	
35	710-494		Sq. Hd. Set Scr. 5/16-18 x .38" Lg. Cup	
36	711-169		Collar ⅝" I.D.	
37	734-486		Front Wheel Rim Ass'y. ONLY (Includes Hub)	
	734-483		Front Wheel Ass'y.—Comp. 10.5 x 3.50	
39	9706	—458	Front Wheel Axle Ass'y.—R.H.	
40	714-507		Cotter Pin 3/32" Dia. x 1.00"*	
41	710-134		Carriage Bolt ¼-20 x .62" lg.*	
42	10806	—458	Fender Brace (134-430A and 435A Only)	
43	736-329		L-Wash. ¼ Scr.*	
44	712-287		Hex Nut ¼-20 Thd*	
45	710-252		Hex Hd. Cap Scr. ¼-20 x .75"*	
46	712-287		Hex Nut ¼-20 Thd.*	
47	9711	—458	Pivot Bar Ass'y	
48	710-312		Hex Hd. Cap Scr. ⅝-18 x 1.31"	
49	711-335		Tie Rod	
50	748-0227		Hex Flng. Brg. .~~630~~ I.D. Bronze	
51	726-221		Push Cap ½" Dia.	
52	9922		Steering Shaft Ass'y.	
53	736-158		L-Wash. ⅝" Scr.*	
54	712-923		Hex Center L-Nut ⅝-18 Thd.	
55	710-198		Hex Sems Scr. 5/16-18 x .75"*	
56	11376	—458	Front Pivot Bracket	
57	711-198		Pivot Bushing (Tie Rod End)	
58	748-227		Hex Flange Brg. .630 I.D. Bronze.	
59	9709	—458	Front Wheel Axle Ass'y.—L.H.	
60	710-134		Carriage Bolt ¼-20 x .62" Lg.*	
61	736-329		L-Wash. ¼" Scr.*	
62	712-287		Hex Nut ¼-20 Thd.*	
63	10810	—458	Fender L.H. (134-430A and 435A Only)	
64	735-117		Floor Mat 3/32—Running Board	
65	9922		Steering Shaft Ass'y.	
66	712-206		Hex Nut ½-13 Thd.*	
67	736-921		L-Wash. ½" Scr.*	
68	10060	—458	Seat Bracket	
69	10825	—458	Eng. Box Side Panel—L.H.	
70	748-227		Hex Flange Brg. .630 I.D. Bronze	
71	750-209		Steering Tube Ass'y.	
72	9920		Steering Tube Spacer	
73	9921		Bearing Cap	
74	715-108		Spring Pin Spir. ¼" Dia. x 1.00"	
75	746-177		Throttle Control 53.0" Lg.	
76	710-224		Hex AB-Tapp Scr. #10 x .50"	
77	736-219		Belleville Wash. .400 I.D. x 1.13 O.D.	
78	712-158		Hex Center L-Nut 5/16-18 Thd.	
79	731-220		Steering Wheel Cap	
80	731-219		Steering Wheel 12" Dia.	
81	748-0151		Flange Brg. with Flats .735 I.D.	
82	713-357		#41 Chain ½" Pitch x 67 Links	
	713-723		#41 Master Link ½" Pitch Type II	
83	10846		Shift Lever Ass'y.	
84	9964		Steering Tube Spacer Ass'y. (Made up of Ref. Nos. 72&73)	
85	9963	—458	Hitch Bracket (Not Shown)	
86	11228		Plastic Funnel (Not Shown)	
87	725-156		Battery Charger (Not Shown) (Electric Start Only)	
88	736-156		Fl.-Wash.	
89	736-134		Fl.-Wash.	
90	710-385		Carriage Bolt ½-13 Thd.*	

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

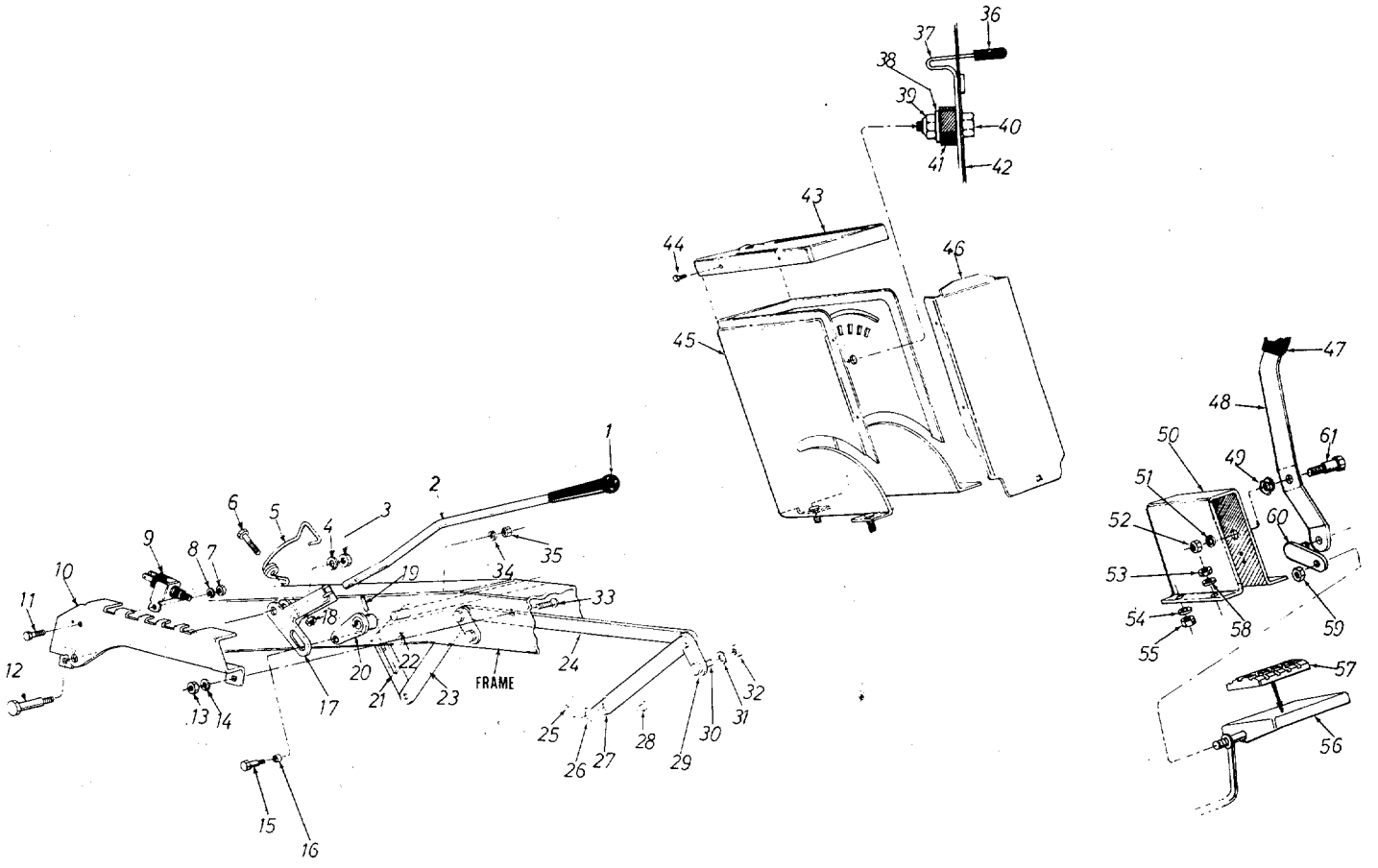
(458—Arctic Blue Flake)

When ordering parts if color or finish is important, use the appropriate color code shown at left (e.g. Arctic Blue Flake finish—10057 (458)).

NOTE: This instruction manual covers various models and all accessories shown do not necessarily apply to your mode mower 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."

134-430A
134-434A
134-435A



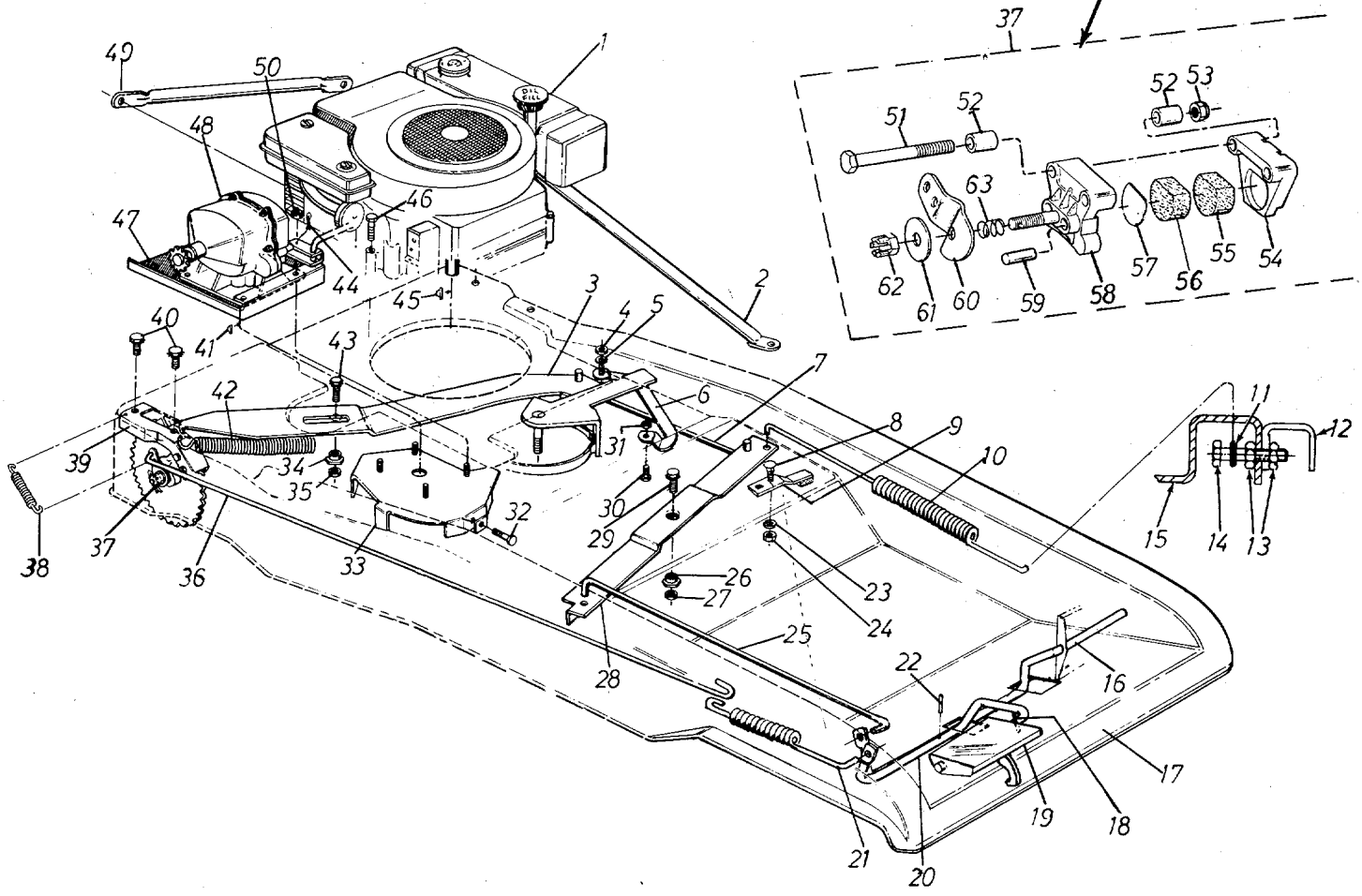
CONTROL LINKAGES

PARTS LIST FOR MODELS 134-430A, 434A, AND 435A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-143		Grip Black—Lift Handle		31	736-119		L-Wash. 5/16" Scr.*	
2	11826		Lift Handle		32	712-267		Hex Nut 5/16-18 Thd.*	
3	712-798		Hex Nut ⅜-16 Thd.*		33	710-260		Carriage Bolt 5/16-18 x .62"*	
4	736-169		L-Wash. ⅜" Scr.*		34	736-105		Belleville Wash.	
5	732-231		Torsion Spring		35	712-342		Hex Jam Nut ⅜-16 Thd.*	
6	710-559		Hex Hd. Cap Scr. ¼-28 x 1.75"*		36	11249		Plastic Knob—For Handle Stop	
7	712-287		Hex Nut ¼-20 Thd.*		37	10358		Handle Stop	
8	736-329		L-Wash. ¼" Scr.*		38	736-159		Flat Wash. .344 I.D. x .88 O.D.	
9	725-268		Safety Switch (134-434A & 435A)		39	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
	725-269		Safety Switch (134-430A Only)		40	738-234		Shldr. Scr. .500 Dia. x .295	
10	11825	—458	Index Bracket		41	735-126		Rub. Wash. .33 I.D. x .87 O.D.	
11	710-258		Hex Hd. Cap Scr. ¼-20 x .62"*		42	11375		Steering Box	
12	738-213		Shdr. Scr. .498" Dia. x 1.450		43	11373		Steering Box—Top Cover	
13	712-267		Hex Nut 5/16-18" Thd.*		44	710-224		Hex AB-Tapp. Scr. #10 x .50"	
14	736-119		L-Wash. 5/16" Scr.*		45	11375		Steering Box	
15	738-234		Shldr. Scr. .500" Dia. x .295		46	10818		Steering Box—Front Cover	
16	750-195		Roller–Spacer .505 I.D. x .628 O.D.		47	720-142		Flat Bar End Grip	
					48	11277		L-Nut Lever Ass'y.	
17	11827	—458	Handle Lift Brkt. Ass'y.		49	736-232		Wave Wash. .530 I.D.x.78 O.D.	
18	712-117		Hex Center L-Nut ¼-28 Thd.		50	10832		Brake Lever Brkt.	
19	715-107		Sprg. Pin Spir. 5/16" Dia.x1.38"		51	736-169		L-Wash. ⅜" Scr.*	
20	11831	—458	Lift Hub Ass'y.		52	712-798		Hex Nut ⅜-16 Thd.*	
21	9737	—458	Link Slotted		53	712-267		Hex Nut 5/16-18 Thd.*	
22	11830	—458	Lift Shaft Ass'y.		54	736-119		L-Wash. 5/16" Scr.*	
23	12337	—458	Deck Link Ass'y.	N	55	712-267		Hex Nut 5/16-18 Thd.*	
24	9735	—458	Conn. Rod 3/16 x 1.0 x 12.5" Lg		56	11379		Clutch Foot Pedal Rod Ass'y.	
25	714-101		Int. Cotter Pin ½" Dia.		57	10614		Pedal Pad—Vinyl	
26	736-192		Fl. Wash. .531 I.D. x .93 O.D.		58	736-119		L-Wash. 5/16" Scr.*	
27	12337	—458	Deck Link Ass'y	N	59	712-107		Hex Center L-Nut ¼-20 Thd.	
28	711-332		Lift Brkt. Pin		60	10064		Lockout Link Ass'y.	
29	9721	—458	Pivot Link Ass'y.		61	738-234		Shdr. Scr. .500 Dia. x .295	
30	738-140		Shldr. Scr. .437" Dia. x .180						

134-430A
134-434A
134-435A

NOTE: If for any reason Disc Brake is disassembled, be sure round end of push pins (Ref. No. 59) is toward the cam lever (Ref. No. 60).



FRAME VIEW

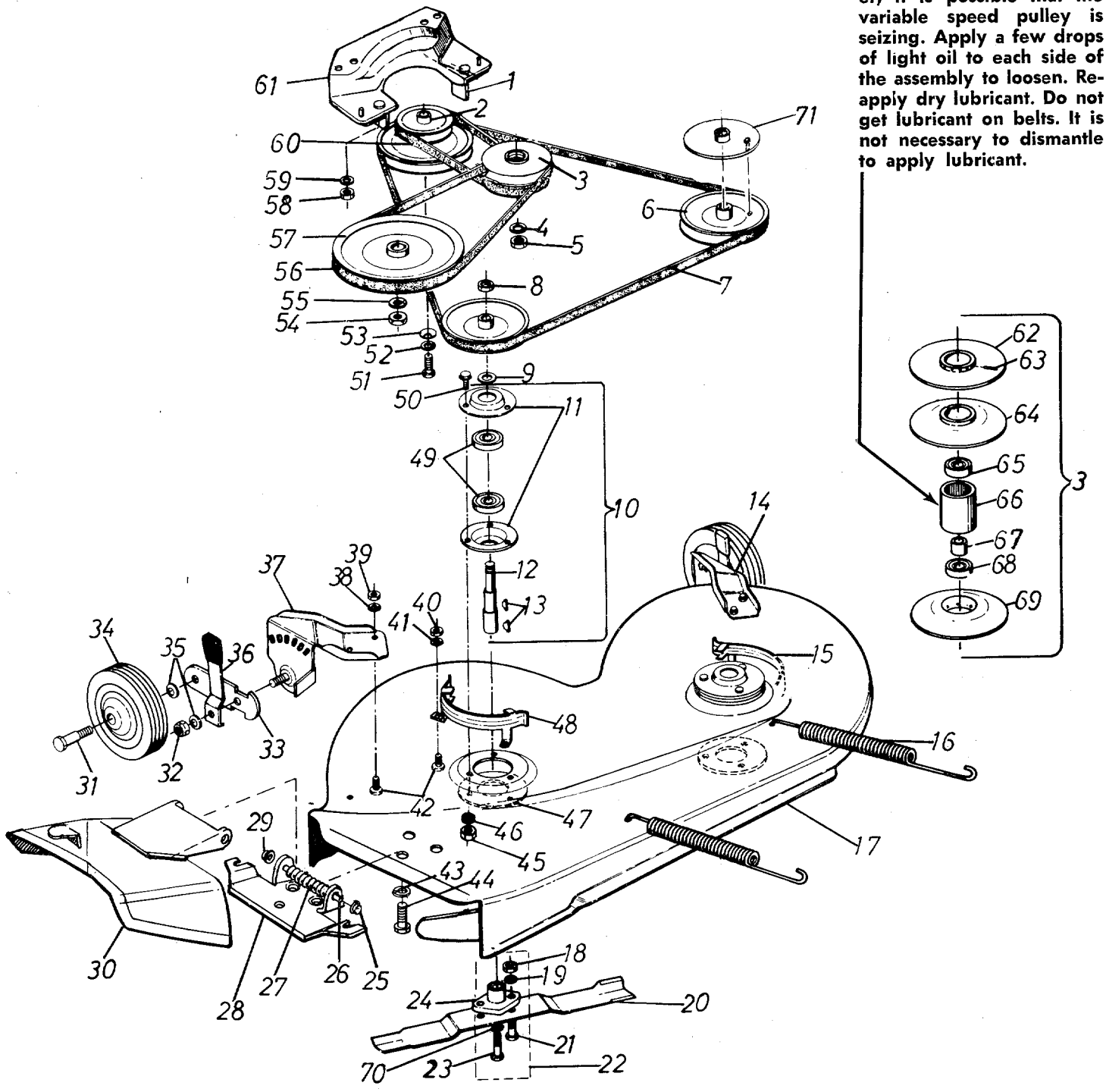
PARTS LIST FOR MODELS 134-430A, 434A AND 435A

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	—		Engine	
2	10804		Engine Brace Ass'y.	
3	9785		Vari. Spd. Brkt. Ass'y.	
	10599		Vari. Spd. Pulley & Brkt. Ass'y.—Comp.	
4	712-267		Hex Nut 5/16-18 Thd.*	
5	736-119		L-Wash. 5/16" Scr.*	
6	10173		Var. Spd. Guide Brkt. Ass'y.	
7	10080		Vari. Spd. Rod	
8	710-134		Carriage Bolt ¼-20 x .62"*	
9	761-157		Blade Brake Ass'y.	N
10	732-191		Spring .75 O.D. x 11.0" lg. (Variable Sp. Pedal)	
11	732-191		Spring .75 O.D. x 11.0" Lg. (Variable Sp. Pedal)	
12	10801	—458	Fender Brace (134-430A & 435A Only)	
13	712-287		Hex Nut ¼-20 Thd.*	
14	710-136		Hex Hd. Cap Scr. ¼-20 x 1.75" (134-430A & 435A)	
15	10057	—458	Frame	
16	11379	—458	Clutch Foot Padel Rod Ass'y.	
17	10057	—458	Frame	
18	715-131		Spring Pin Roll ¼" Dia.x2.50"	
19	10848	—458	Foot Pedal Latch Ass'y.	
20	11378		Brake Foot Pedal Rod	
21	732-245		Brake Spring	
22	715-103		Sprg. Pin Spir. ⅛" Dia. x .75"	
23	736-329		L-Wash. ¼" Scr.*	
24	712-287		Hex Nut ¼-20 Thd.*	
25	10078		Foot Pedal Rod—18.80" Lg.	
26	711-404		Shoulder Nut	
27	712-429		Hex Cent. L-Nut 5/16-18 Thd.	
28	11382	—458	Clutch Bar Rod	
29	710-322		Hex Sems Scr. 5/16-18 x 1.00"*	
30	710-198		Hex Sems Scr. 5/16-18x.75"*	
31	712-267		Hex Nut 5/16-18 Thd.*	
32	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. H.T.	
33	9780	—458	Trans. Belt Guard Ass'y.	
34	711-404		Shoulder Nut	
35	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
36	747-109		Brake Rod .25" Dia. x 31.62"	

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
37	761-130		Disc. Brake Ass'y.—Comp.	
38	732-118		Extension Spring (Brake)	
39	10245	—458	Disc Brake Brkt. Ass'y.	
40	710-198		Hex Sems Scr. 5/16-18x.75"	
41	714-129		#4 Hi Pro Key 3/32 x ⅝" Dia. Hardened	
42	732-192		Spring .88 O.D. x 3.75 (Var. Drive)	
43	710-322		Hex Sems Scr. 5/16-18 x 1.00" Lg.*	
44	715-119		Spring Pin Spir. 5/32" Dia. x .75" Lg.	
45	714-365		#6 Hi Pro Key 5/32 x ⅝" Dia.	
46	710-442		Hex Hd. Cap Scr. 5/16-18 x 1.50" Lg. H.T.	
47	10247	—458	Transmission Plate	
48	717-223		Transmission Ass'y. Comp.	
49	10404		Engine Brace	
50	712-429		Hex Ins. L-Nut 5/16-18 Thd.	
51	710-378		Hex Hd. Cap Scr. 5/16-18 x 2.50" Lg.*	
52	761-133		Spacer for Disc Brake .322 I.D. x .38	
53	712-158		Hex Center L-Nut 5/16-18 Thd.*	
54	HH-12-03293		Casting Carrier Side	
55	HH-15-03149		Friction Pad 1.110" Dia. x .245 thk.	
56	HH-15-02124		Friction Pad 1.110" Dia. x .472 thk.	
57	HH-03-0330		Back-up Disc	
58	HH-12-03292		Casting Cam Side	
59	HH-05-03034		Push Pin	
60	HH-18-03493		Cam Lever	
61	HH-03-03032		Washer	
62	HH-02-03631		Hex Locknut	
63	HH-06-03031		Spring	
66	737-104		Sq. Hd. Pipe Pug ¼" (For Eng. Oil Drain—Not Shown)	
67	737-114		Pipe Nipple ⅜-¼ x 3.0" Lg. For Eng. Oil Drain—Not Shown)	

134-430A
134-434A
134-435A

NOTE: If mower fails to respond to speed control lever, it is possible that the variable speed pulley is seizing. Apply a few drops of light oil to each side of the assembly to loosen. Reapply dry lubricant. Do not get lubricant on belts. It is not necessary to dismantle to apply lubricant.



DECK AND BELT SYSTEM

PARTS LIST FOR MODELS 134-430A, 434A AND 435A4

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	10426		Belt Keeper Ass'y.	
2	756-232		Two Step Engine Pulley	N
3	10438		Vari. Speed Pulley Ass'y.	
4	736-921		L-Wash. ½" Scr.*	
5	712-922		Hex Jam Nut ½-20" Thd.	
6	756-124		Pulley 4.75 O.D. (Deck)	
7	754-127		V-Belt 21/32 x 66.0" Lg.	
8	712-242		Hex Jam Nut ⅝-11 Thd. (Deck)	
9	736-162		Flat Washer .641 I.D.	
10	9321		Blade Spindle Ass'y.	
11	8253		Housing—Bearing	
12	711-255		Blade Spindle	
13	714-365		#6 Hi Pro Key 5/32 x ⅝" Dia.	
14	11237		Wheel Brkt. Ass'y. L.H. (Deck)	
15	9733		Belt Guard (Deck)	
16	732-153		Spring .750" O.D. x 8.65" Lg.	
17	12340		30 inch Deck Ass'y.	N
18	712-123		Hex Nut 5/16-24 Thd.*	
19	736-119		L-Wash. 5/16" Scr.*	
20	742-118		15 inch Blade	
21	710-117		Hex Hd. Cap Scr. 5/16-24 x 1.00" Lg. H.T.	
22	10769		Blade Adapter Kit	
23	710-459		Hex Hd. Cap Scr. ⅜-24 x 1.50" Lg. H.T.	
24	10769		Blade Adapter Kit	
25	726-106		Push Nut ¼" Rod	
26	711-571		Pivot Pin	
27	732-261		Torsion Spring	
28	11399		Adapter Plate Ass'y.	
29	726-106		Push Nut ¼" Rod	
30	11574		Chute Deflector Ass'y.	
31	738-119		Shldr. Scr. .625" Dia. x 1.75 (Axle Bolt)	
32	712-116		Hex Ins. L-Nut ⅜-24 Thd.	
33	10937		Wheel Pivot Bar	
34	734-295		5.0 Inch Wheel Ass'y. (Deck)	
35	736-105		Belleville Wash. .400 I.D. x .88 O.D.	
36	10949		Spring Lever Ass'y. with Knob	
37	11236		Wheel Brkt. Ass'y. R.H.	
38	736-119		L-Wash. 5/16" Scr.*	
39	712-267		Hex Nut 5/16-18 Thd.*	
40	712-267		Hex Nut 5/16-18 Thd.*	
41	736-119		L-Wash. 5/16" Scr.*	
42	710-289		Hex Hd. Cap Scr. ¼-20 x .50"*	
43	736-329		L-Wash. ¼" Scr.*	
44	710-195		Hex Hd. Cap Scr. ¼-28x.62"*	
45	712-267		Hex Nut 5/16-18 Thd.*	
46	736-119		L-Wash. 5/16" Scr.*	
47	9164		Deck Reinforcement Plate	
48	9733		Belt Guard (Deck)	
49	741-919		Ball Brg. .787 I.D. x 1.85 O.D.	
50	710-322		Hex Sems Scr. 5/16-18 x 1.00"*	
51	710-152		Hex Hd. Cap Scr. ⅜-24 x 1.00" Lg. H.T.	
52	736-217		L-Wash. ⅜" Scr. H.D.	
53	736-235		Flat Wash. .406 I.D. x 1.25 O.D.	
54	710-152		Hex Hd. Cap Scr. ⅜-24 x 1.00" Lg. H.T.	
55	736-921		L-Wash. ½" Scr.*	
56	754-136		V-Belt 21/32 x 31" Lg. (For Transmission Pulley)	
57	756-174		Split Transmission Pulley .50 I.D.	
58	712-267		Hex Nut 5/16-18 Thd.*	
59	736-119		L-Wash. 5/16" Scr.*	
60	754-135		V-Belt 21/32 x 25" Lg. (From Eng. Pulley to Var. Sp. Pulley)	
61	10424		Belt Guard Cup Ass'y. (For Eng. Pulley)	
62	748-177		Sheave Half	
63	715-124		Spring Pin Spir. 5/32" Dia. x .62" Lg.	
64	748-181		Moveable Sheave Ass'y.	
65	741-139		Ball Brg. .50 I.D. x 1.38 O.D.	
66	750-144		Steel Tubing	
67	750-146		Spacer .520 I.D. x .692 O.D.	
68	741-139		Ball Brg. .50 I.D x 1.38 O.D.	
69	748-177		Sheave Half	
70	736-217		L-Wash. ⅜" Scr. H.D.	
71	11530		Blade Brake Disc Ass'y.	
72	12347		30" Deck Ass'y. Complete	N

WHEEL CHART

FRONT WHEEL		REAR WHEEL	
Part. No.	**Description**	**Part. No.**	**Description**
734-483	Wheel Ass'y.—Comp.	734-523	Wheel Ass'y.—Comp.
748-184	Bearing	734-517	Rim with Hub Ass'y.
		734-298	Tire Only Tubeless 13 x 5.00
		748-151	Bearing (Sintered)
		734-255	Air Valve
		—	Hub Part of Rim
		734-249	Inner Tube (Service Only)

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

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.

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

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.

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.**