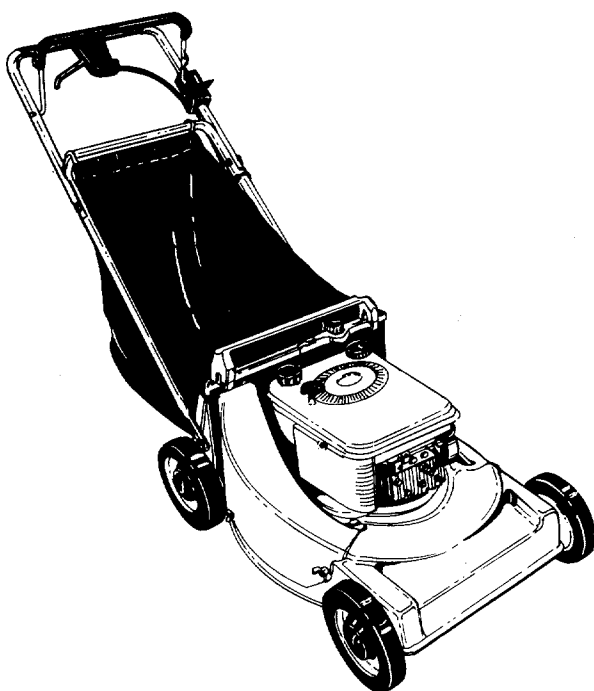


\$1.00

OWNER'S GUIDE

Thank you for purchasing an American-built product.

21" CONVERTIBLE ROTARY MOWERS



(Model 176B Shown)

Model Numbers
128-166B401
128-176B401

IMPORTANT:
Read Safety Rules and Instructions Carefully

INDEX

Slope Gauge	3	Lubrication	14
Contents of Hardware Pack	4	Maintenance	15
Rules for Safe Operation	5	Off-Season Storage	17
Assembly	6	Trouble Shooting Chart	19
Controls	11	Illustrated Parts	20, 23
Operation	11	Repair Parts Lists	21, 22, 23
Adjustments	13	Parts Information	Back Cover



LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

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

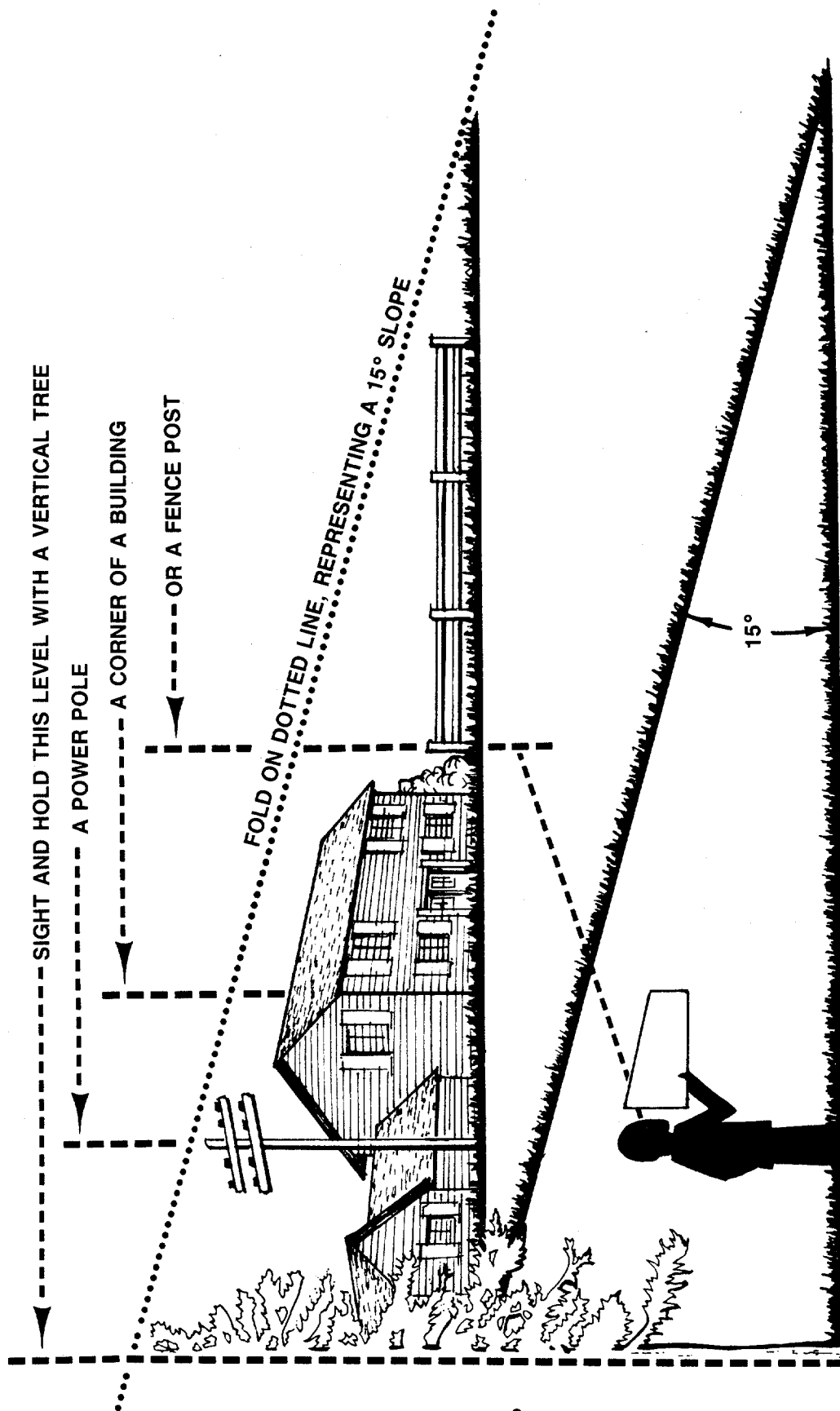
WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester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

In the State of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest engine authorized service center.

USE THIS SHEET AS A GUIDE TO DETERMINE SLOPES WHERE YOU MAY NOT OPERATE SAFELY.

SLOPE GAUGE

(Keep this sheet in a safe place for future reference.)



Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2½ feet every 10 feet). A riding mower could overturn and cause serious injury. If operating a walk-behind mower on such a slope, it is extremely difficult to maintain your footing and you could slip, resulting in serious injury.

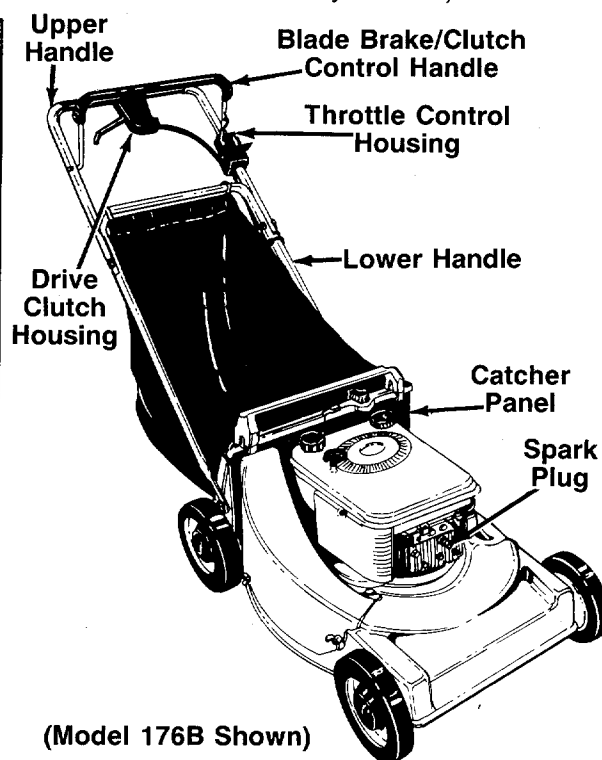
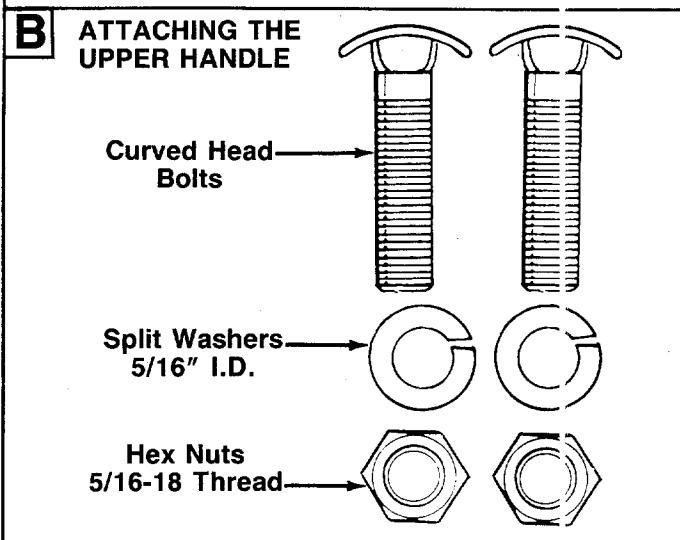
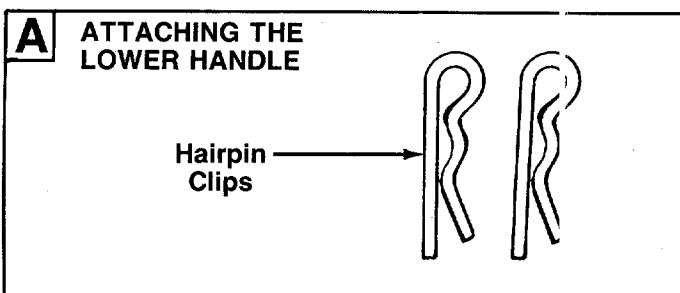
Operate RIDING mowers up and down slopes, never across the face of slopes.

Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

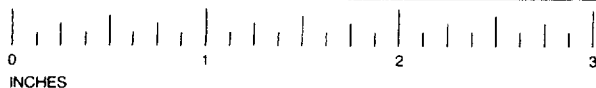
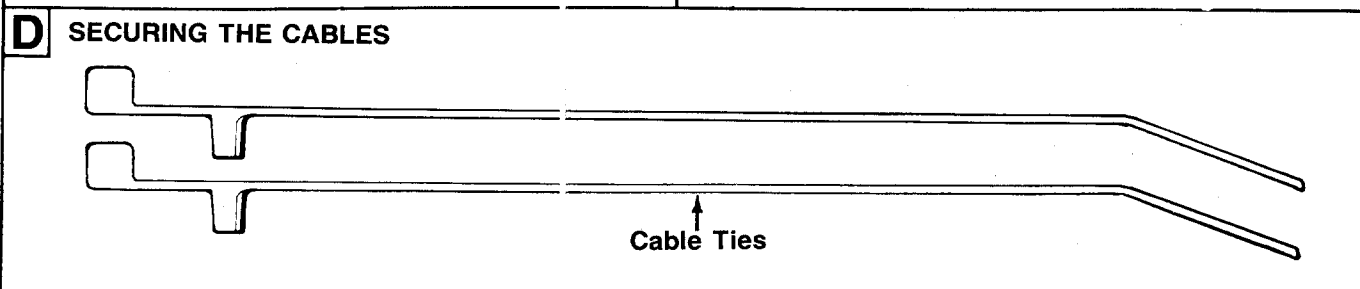
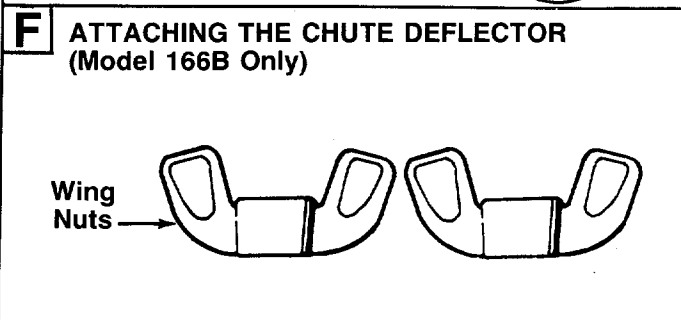
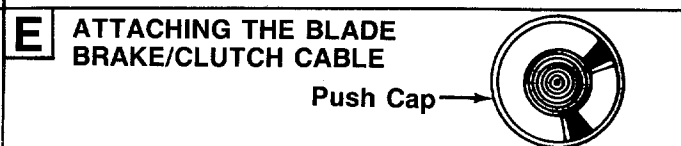
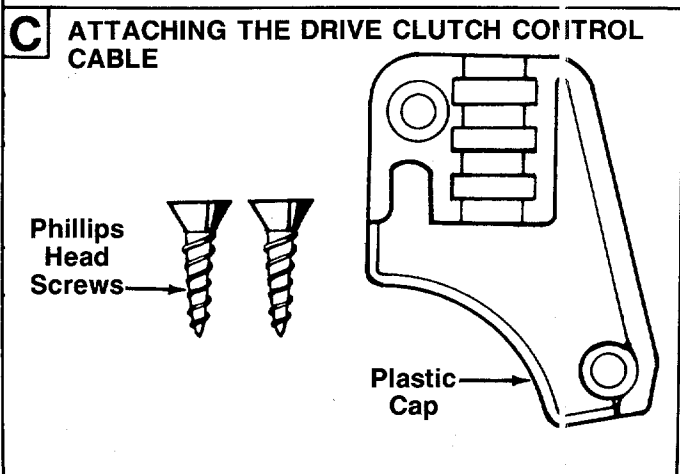
CONTENTS OF HARDWARE PACK

Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

(Hardware pack may contain extra items which are not used on your unit.)



PARTS INFORMATION



IMPORTANT

RULES FOR SAFE OPERATION



THIS SYMBOL POINTS OUT IMPORTANT SAFETY INSTRUCTIONS WHICH, IF NOT FOLLOWED, COULD ENDANGER THE PERSONAL SAFETY AND/OR PROPERTY OF YOURSELF AND OTHERS. READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO OPERATE YOUR LAWN MOWER. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY. WHEN YOU SEE THIS SYMBOL—  **HEED ITS WARNING.**



DANGER

Your lawn mower was built to be operated according to the rules for safe operation in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. If you violate any of these rules, you may cause serious injury to yourself or others.



TRAINING

1. Read this owner's manual carefully in its entirety before attempting to assemble or operate this machine. Be completely familiar with the controls and the proper use of this machine before operating it. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. Your rotary mower is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times.
3. Never allow children to operate a power mower. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
4. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower to help prevent blade contact or thrown object injury. Although the area of operation should be completely cleared of foreign objects, an object may have been overlooked and could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.



PREPARATION

1. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones and other foreign objects which could be picked up and thrown by the mower in any direction and cause serious personal injury to the operator or any others allowed in the area.
2. Always wear safety glasses or eye shields during operation or while performing an adjustment or repair, to protect eyes from foreign objects that may be thrown from the machine in any direction.
3. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts to avoid entanglement in the moving parts. Never operate a unit in bare feet, sandals, or sneakers.
4. Check the fuel before starting the engine. Gasoline is an extremely flammable fuel. Do not fill the gasoline tank indoors, while the engine is running, or until engine has been allowed to cool for two minutes after running. Replace gasoline cap securely and wipe off any spilled gasoline before starting the engine as it may cause a fire or explosion.
5. Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the engine.
6. The blade control handle is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. The blade control handle must operate easily in both directions.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Never operate the equipment in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. Keep a firm hold on the handle and walk, never run. Mow only in daylight or in good artificial light.

9. For your safety, use the slope gauge included as part of this manual to measure slopes before operating this unit on a sloped or hilly area. If the slope is greater than 15° as shown on the slope gauge, do not operate this unit on that area or serious injury could result.



OPERATION

1. Do not change the engine governor settings or overspeed the engine. Excessive engine speeds are dangerous.
2. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade can cause injury.
3. Stop the blade when crossing gravel drives, walks or roads.
4. After striking a foreign object, stop the engine, remove the wire from the spark plug, and thoroughly inspect the mower for any damage. Repair the damage before restarting and operating the mower.
5. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.
6. Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher or unclogging the chute. The cutting blade continues to rotate for a few seconds after the engine is shut off. Never place any part of the body in the blade area until you are sure the blade has stopped rotating.
7. Before cleaning, repairing or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the spark plug to prevent accidental starting.
8. Do not run the engine indoors.
9. Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always be sure of your footing. A slip and fall can cause serious personal injury.
10. Never operate mower without proper guards, plates or other safety protective devices in place.
11. Do not operate this mower with the chute door open, unless the complete grass catcher is properly mounted on the mower.



MAINTENANCE AND STORAGE

1. Check the blade and engine mounting bolts at frequent intervals for proper tightness.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never store the equipment with gasoline in the tank inside of a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.
4. To reduce fire hazard, keep the engine free of grass, leaves, or excessive grease.
5. Check the grass catcher bag frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.

Rules for Safe Operation (Continued)

BLADE BRAKE/CLUTCH MAINTENANCE

NOTE: Any required repair work on the blade brake/clutch should be performed by an authorized service dealer. If you cannot locate an authorized service dealer, contact the manufacturer.

1. The blade brake/clutch hand control is a safety device. Never attempt to bypass its operation. Doing so makes the safety device inoperative and may result in personal injury through contact with the rotating blade. This hand control must operate freely in both directions.
2. Striking a solid object can cause damage to the blade brake/clutch or to the engine crankshaft. Extensive vibration of the mower during operation is an indication of damage and the unit should be promptly inspected and repaired.

3. A leak in the lower engine crankshaft oil seal could expose the blade brake/clutch friction pads to excess oil resulting in blade or brake slippage, which could increase the stopping time of the blade. Oil collection on the floor beneath the mower during storage may be an indication of an oil seal leak. The unit should be checked by an authorized service dealer.
4. Periodically inspect the inner control cable in the area where it attaches to the hand control. If the cable becomes frayed, it could cause the blade brake/clutch to operate improperly. Also, be careful to avoid pinching the blade brake/clutch control cable when storing the handle.

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL. After assembly, service engine with gasoline and oil as instructed in the separate engine manual packed with your unit.

NOTE: Reference to right or left hand side of the mower is observed from the operating position. Refer to parts identification illustration on page 4 for location of parts when assembling the mower.

ASSEMBLY INSTRUCTIONS

This owner's manual covers both side discharge (Model 166B) and top discharge (Model 176B) rotary mowers. Follow only the instructions which pertain to your style mower.

Tools Required for Assembly

- (1) Pair of Pliers
 - (1) Phillips Head Screwdriver
 - (1) 1/2" Wrench*
 - (1) 5/16" Wrench or Nutdriver*
 - (1) 7/16" Wrench*
- *Or one 6" Adjustable Wrench.

UNPACKING

1. Remove the lawn mower from the carton by opening the top flaps and lifting the unit out. Be careful of the staples. Make certain all parts and literature have been removed from the carton before the carton is discarded.
2. Disconnect and ground the spark plug wire against the engine. Check beneath the deck for any cardboard packaging. Remove if present.
3. Stretch out all control cables and place on the floor. Be careful not to bend or kink the cables at any time during assembly.
4. Remove page four from this manual and lay the contents of the hardware pack on the illustration for identification.

ATTACHING THE LOWER HANDLE (Hardware A)

1. For shipping purposes your mower is set with the wheels in the lowest cutting height position. Raise the mower to the highest setting for assembly of lower handle.
2. Attach the lower handle by placing the bottom holes in the lower handle over the weld pins on the handle wheel bracket assemblies on the rear of the deck. Make certain the instruction label on the lower handle can be read from the operating position.
3. Using a pair of pliers, squeeze one leg of the lower handle against the handle wheel bracket assembly. Insert the hairpin clip into the inner hole on the weld pin. See figure 1. Repeat on other side.

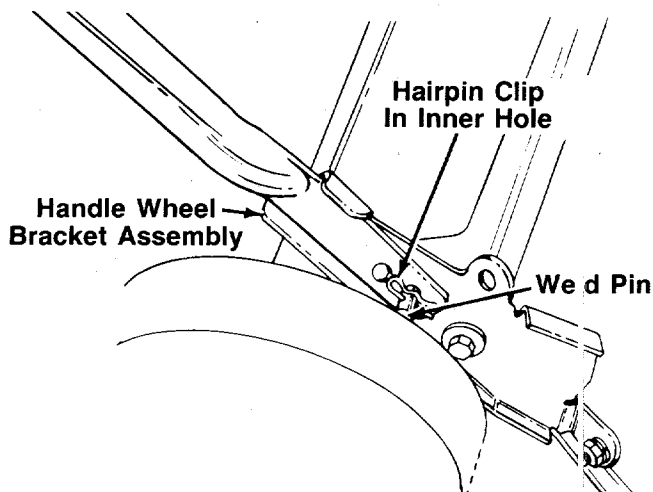


FIGURE 1.

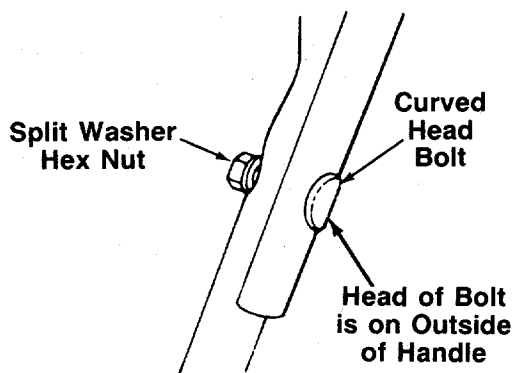


FIGURE 2.

ATTACHING THE UPPER HANDLE (Hardware B)

Place upper handle in position over lower handle. The label on the throttle control housing and the control lever must be facing up. Secure upper handle with two curved head bolts, split washers and hex nuts. See

← figure 2.

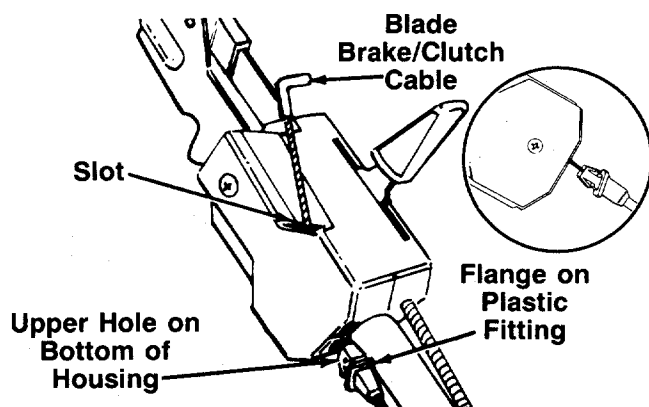


FIGURE 3.

ATTACHING THE BLADE BRAKE/CLUTCH CABLE (Hardware E)

The blade brake/clutch cable is the cable which has an "L" fitting on the loose end, and is attached to the blade brake/clutch underneath the deck.

1. **Model 166B:** Route the blade brake/clutch cable inside the handle mounting bracket and under the lower handle.

Model 176B: Route the blade brake/clutch cable outside of the catcher panel and handle mounting bracket, and under the lower handle.

2. Place end of cable into the upper hole on the bottom of the control housing, and through the slot on the side of the housing as shown. The angle of the plastic flange must be positioned downward as shown in figure 3. Be careful not to bend or kink the cable at any time.

3. Push the plastic flange until it locks into the control housing.



WARNING

The cable must be assembled as shown for proper blade brake/clutch operation.

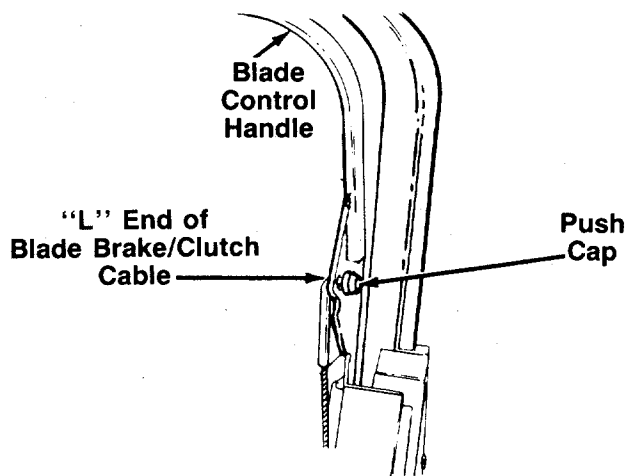


FIGURE 4.

4. Insert the "L" end of the blade brake/clutch cable into the hole in the blade brake/clutch control handle, from the inside to the outside as shown in figure 4. Hold the end of the cable, and press push cap on by hand.

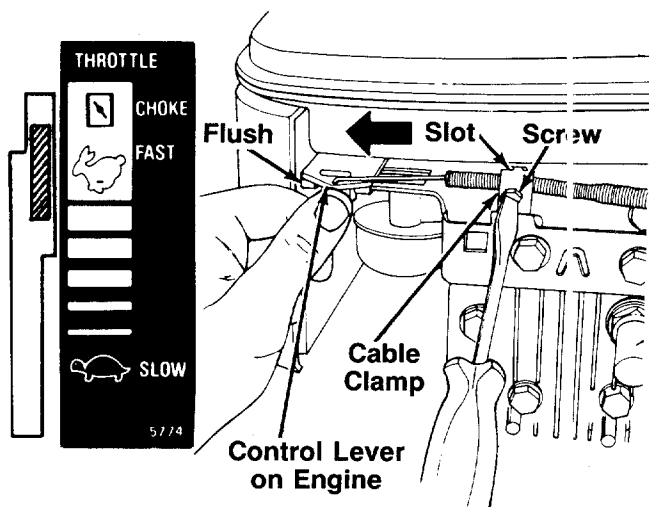


FIGURE 5.

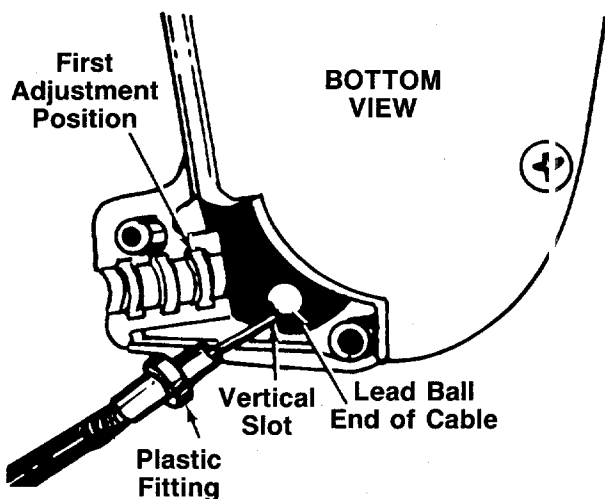


FIGURE 6.

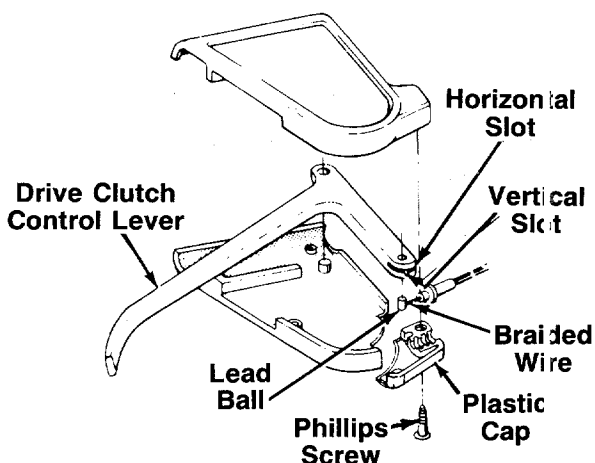


FIGURE 7.

ATTACHING THE THROTTLE CABLE

1. Push the throttle control lever on the handle all the way forward to CHOKE, then back it off **two "clicks"** (approximately 5/16"). See figure 5.
2. The throttle control cable is attached to the upper handle. Route the throttle control cable under the lower handle and inside the handle mounting bracket on model 166B. On model 176B, route the throttle control cable under the lower handle and to the outside of the handle mounting bracket and catcher panel. Hook the "Z" end of the throttle control cable into the hole in the control lever on the engine. See figure 5.
3. Using a 5/16" wrench or nutdriver, remove the screw on the cable clamp shown in figure 5. Slip the control cable under the clamp. Replace the screw (cable should be above the screw), but do not tighten screw (cable must still move freely beneath the clamp). Make certain the tab on the cable clamp is seated into the slot on the engine. See figure 5.
4. Push the control lever on the engine as far toward the **outside** of the engine as it will go. The edge of the control lever should be flush with the bracket on the engine. See figure 5. Hold the control lever in this position as you tighten the screw on the cable clamp to secure the throttle cable.
5. Loosen the screw on the clamp on the side of the engine. Slip the cable casing under the clamp to secure the cable **away from the muffler**. Be careful not to bend or kink the cable. Tighten the screw.

← ATTACHING THE DRIVE CLUTCH CONTROL CABLE (Hardware C)

The drive clutch control cable is attached to the deck. Attach the cable to the lever in the clutch control housing, located in the middle of the upper handle, as follows.

1. Place the lead ball end of the cable into the fitting provided in the end of the clutch control lever. Slip the braided wire into the vertical slot as shown in figure 6.
2. Slide the braided wire around in the horizontal slot. See figure 7.
3. Place the plastic fitting on the control cable into the first adjustment position in the clutch control housing. See figure 6.
4. Secure the plastic cap to the clutch control housing using the two Phillips head screws. See figure 7.



WARNING

Drive clutch adjustment must be checked before the unit is operated, as described in the operation section.

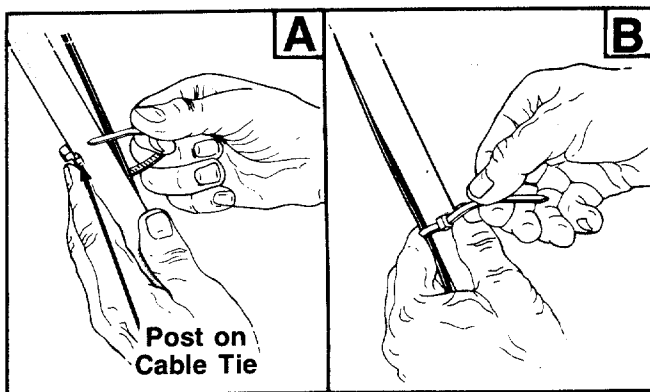


FIGURE 8.

SECURING THE CABLES (Hardware D)

Secure all control cables to the left side of the handle as follows.

- A. Insert posts on cable ties into holes provided on the lower handle, one near the top and one near the bottom of lower handle. The holes may be either on the inside or outside of the handle. See figure 8A.
- B. Secure the cables with the cable ties. See figure 8B.
- C. Trim excess ends of cable ties.

→ IMPORTANT

If your unit is equipped with both a side chute deflector and top discharge chute and grass bag, follow the instructions for top discharge mowers. After assembly is completed, it can then easily be converted to a side discharge mower.

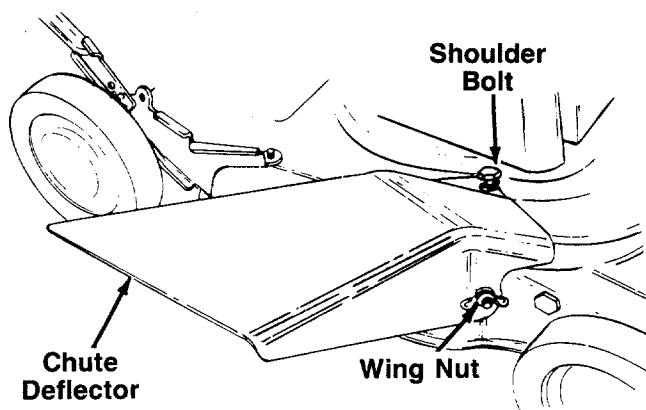


FIGURE 9.

SIDE DISCHARGE MOWERS ONLY (Model 166B) (Hardware F)

This section is for side discharge models only. If your mower is a top discharge model (with grass bag), proceed to the next section.

1. Attach the chute deflector by first placing it over the rear bolt in the side of the deck, then over the front bolt and sliding it into position, with shoulder bolt on deck in notch on deflector.
2. Secure the front of the deflector to the bolt protruding from the deck with one wing nut. See figure 9.

3. Secure the back of the deflector in the same manner. See figure 10.

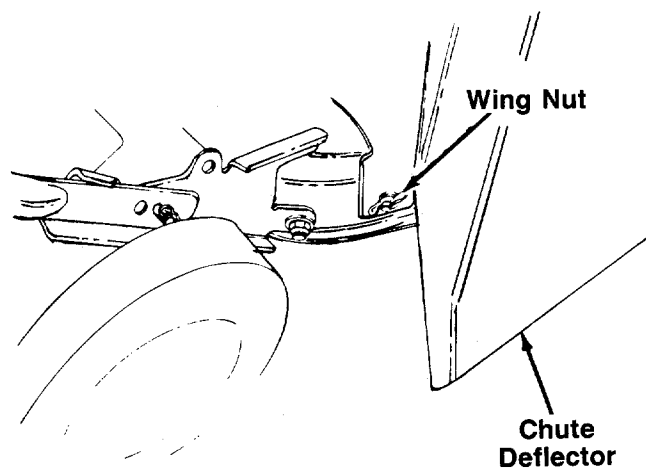


FIGURE 10.



Never operate your unit without either the side chute deflector or entire top discharge chute and catcher panel assembly (optional equipment) in place.

→ NOTE

A grass catcher kit is available which will convert your mower from side to top discharge. Order model number 190-077-000.

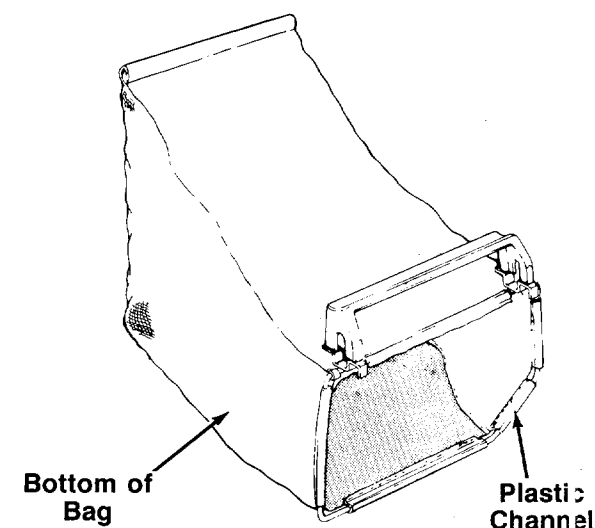


FIGURE 11.

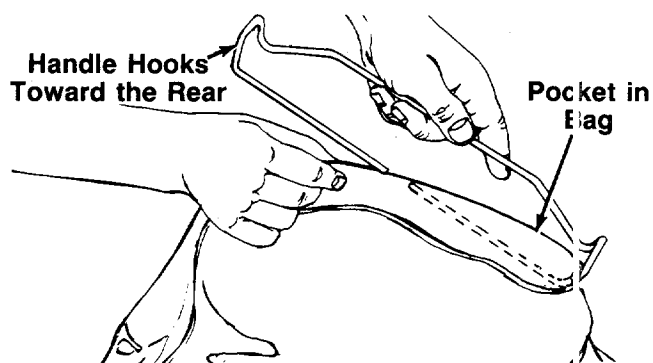


FIGURE 12.

TOP DISCHARGE MOWERS ONLY (Model 176B) Grass Catcher Assembly

1. Place bag over frame (black plastic side is the bottom of bag). Handle on frame goes to the top of bag. Brackets hook toward the front. See figure 11.
2. Secure bag to frame by slipping plastic channels on bag over frame. See figure 11.
3. Attach the rear handle to bag by inserting one side of handle into pocket on the rear of the bag. The handle should hook toward the rear of the bag as shown in figure 12. Thread all the material onto one side, then slide it over onto the other side. See figure 12.

To Attach Bag To Mower



WARNING

DO NOT operate the mower unless the complete grass catcher or side chute deflector is properly mounted on the mower.

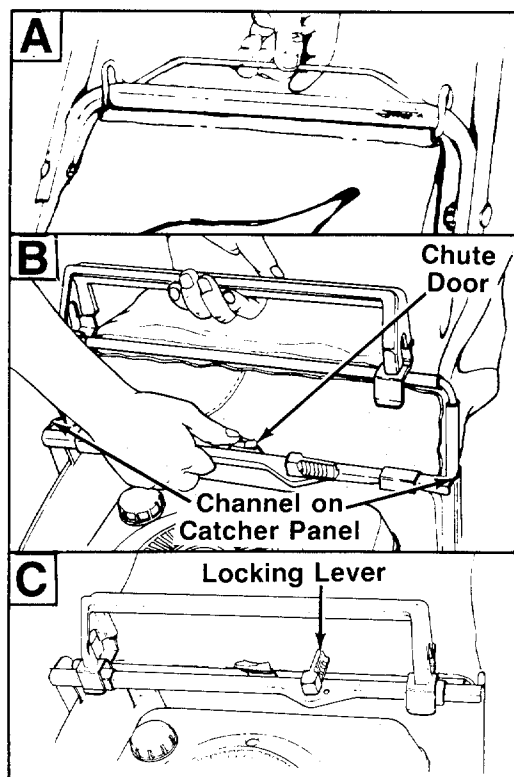


FIGURE 13.

1. Hook the handle on the rear of the grass catcher over the lower handle of the mower. See figure 13A.
2. Hold the chute door on the catcher panel open as shown in figure 13B.
3. Slide the frame of the grass catcher down into the channels on the catcher panel. The top portion of the frame goes over the catcher panel.
4. Secure the grass catcher by turning the locking lever to the locked position as shown in figure 13C.

To remove the grass catcher, turn the locking lever to the unlocked position, unhook the rear handle and lift the grass catcher straight up.

To convert your mower to a side discharge unit, remove only the grass bag and top discharge chute, and assemble the side chute deflector. It is not necessary to remove the catcher panel and brackets.

FINAL ASSEMBLY OF MOWER

1. Attach hub caps (optional) to the wheels by lining up the hub caps with the wheels. Push to lock in position.
2. Make certain **all** nuts and bolts are tightened securely.

CONTROLS

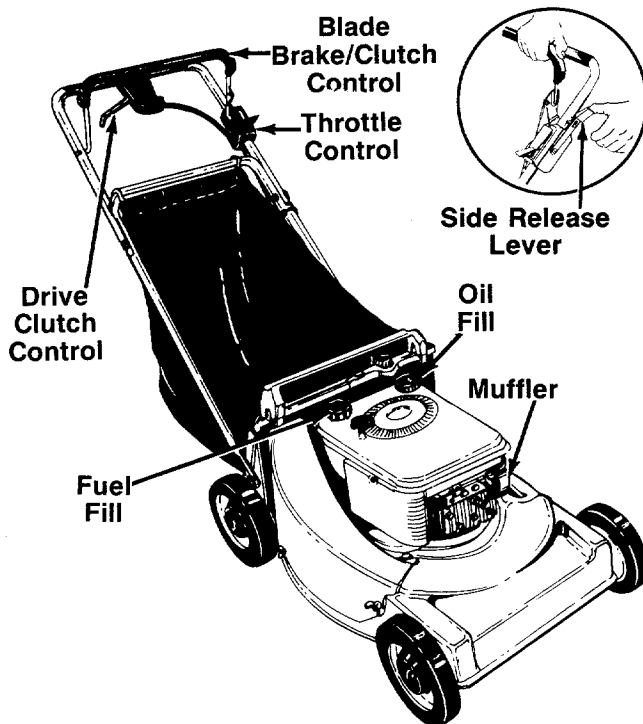


FIGURE 14.

THROTTLE CONTROL

The throttle is located on the left side of handle. It controls engine speed. See figure 14.

DRIVE CLUTCH CONTROL

Squeezing the drive clutch control engages the drive mechanism to the rear wheels. Releasing the clutch control stops the rear wheels from driving. Release the drive clutch control to slow down when negotiating an obstacle, making a turn or stopping. See figure 14.

BLADE BRAKE/CLUTCH CONTROL

WARNING
THIS CONTROL MECHANISM IS A
SAFETY DEVICE. NEVER ATTEMPT
TO BYPASS ITS OPERATIONS

The blade brake/clutch control is located on the upper handle of the mower. The blade brake/clutch handle engages and disengages the blade.

To engage the blade, pull the side release lever away from the unit. See figure 14. Pull the blade brake/clutch control handle against the upper handle. Release side lever.

Release the blade brake/clutch control handle to stop the blade from turning.

OPERATION



FIGURE 15.

Keep hands and feet away from the chute area on cutting deck. See figure 15.

NOTE

For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting position until it is determined which height is best for your lawn. See cutting height adjustment section.

GAS AND OIL FILL-UP

Service the engine with gasoline and oil as instructed in the separate engine manual packed with your mower. Read instructions carefully.

NOTE

Your unit has been shipped without oil; however, a small amount of oil may be present from the factory. Do not overfill.



Never fill fuel tank indoors, with engine running or until the engine has been allowed to cool for at least two minutes after running.

BEFORE STARTING

Before each use, check for proper drive clutch operation by performing the following before starting the engine:

With the drive clutch control released, push mower forward. It should move freely. **Pull mower backward. It should move freely.**

If it does not and the rear wheels tend to lock up, the clutch may not be releasing completely. Do not start the engine until corrections have been made. Check the control cable for severe bend, kinks and binding, or grass build-up in the pulley groove. Correct and adjust as required.

TO START ENGINE



When starting the unit for the first time, face the mower against a solid object such as a wall, fence, etc. Start the unit, and if it shows any signs of motion with the drive clutch control disengaged, shut the engine off immediately. Check the position of the drive clutch control cable. The plastic fitting must be assembled in the first adjustment position inside the housing, all the way to the right, as shown in figure 6.

1. Attach spark plug wire to spark plug. If the unit is equipped with a rubber boot over the end of the spark plug wire, make certain the metal loop on the end of the spark plug wire (inside the rubber boot) is fastened securely over the metal tip on the spark plug. See figure 16.

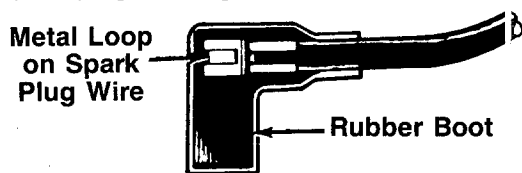


FIGURE 16.

2. The fuel shut-off valve is located beneath the fuel tank. On Model 176B, an access hole is provided in the catcher panel. The fuel shut-off valve should be in the open position. See figure 17. Open fuel shut-off valve using a wrench if it is closed. See figure 18.

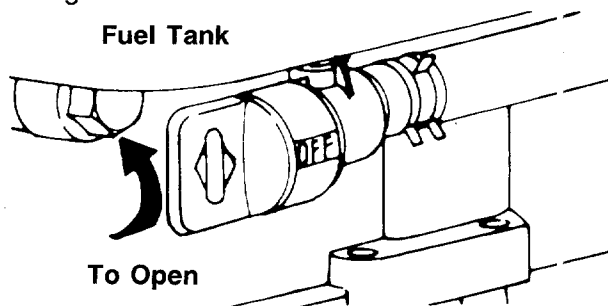


FIGURE 17.

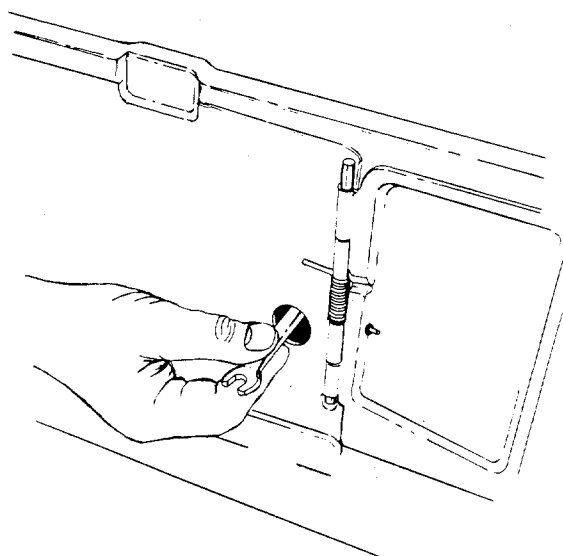


FIGURE 18.—Model 176B

3. Move throttle control lever to CHOKE position.



A warm engine may not require choking.

4. With the blade brake/clutch handle **released**, crank engine by pulling recoil starter with a quick firm pull. Do not pull out so far that rope stops with a jerk as this will cause rope failure. Do not allow rope and handle to snap back into place.
5. After engine starts, move throttle control to desired engine speed.

TO STOP ENGINE

1. Move throttle control lever to STOP position.
2. Disconnect spark plug wire from spark plug and ground against the engine to prevent accidental starting while equipment is unattended.



If any problems are encountered, refer to the Trouble Shooting Chart on page 19.



Never operate your unit without either the side chute deflector or entire top discharge chute and catcher panel assembly in place.

TO ENGAGE THE BLADE

1. Start engine as instructed previously. Allow the engine to warm up for **one minute** before attempting to engage the blade.

2. To engage the blade, pull the side release lever away from the unit. Pull the blade brake/clutch control handle down against the upper handle. Release the side lever. See figure 15.

 NOTE

If a warm engine falters or stalls when attempting to engage the blade, refer to Carburetor Adjustment Section of this owner's manual.

3. Release the blade brake/clutch control handle to stop the blade from turning.

 NOTE

Always release the blade brake/clutch control handle before stopping the engine. If the engine begins to stall, release the blade brake/clutch control handle immediately.

Should the engine stall with the blade brake/clutch control in the operating position (control handle **not** released), difficulty may be encountered in pulling the starter rope to restart the engine. Proceed as follows.

1. Disconnect the spark plug wire from the spark plug.
2. Move the throttle lever to STOP position.
3. Hold the blade brake/clutch control in the engaged position.
4. While holding the blade brake/clutch control handle in this position, pull the starter rope.
5. As the starter rope is being pulled, release the blade brake/clutch control handle.

The starter rope should now operate correctly. Reconnect the spark plug wire for normal operation.

USING YOUR ROTARY MOWER



WARNING

DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.

Be sure that lawn is clear of stones, sticks, wire, or other objects which could damage lawn mower or engine. Such objects could be accidentally thrown by the mower in any direction and cause serious personal injury to the operator and others.

Operate a new engine at intermediate speeds and light load for the first few hours as you would a new automotive engine.

For the best results, do not cut wet grass because it tends to stick to the underside of the mower, preventing proper discharge of grass clippings, and could cause you to slip and fall. New grass, thick grass or wet grass may require a narrower cut. Blade speed should be adjusted to the condition of the lawn.

When using the side discharge mower, the best mowing pattern is one that allows the clippings to discharge towards the uncut part of the lawn. This permits recutting of the clippings to further pulverize them. When cutting high weeds, discharge towards cut portion, then recut at right angles to first direction.

For best results, cut off one-third or less of the total length of the grass. Lawn should be cut in the fall as long as there is growth.

This mower is designed to be operated at full throttle to give you the best cut and do the most effective job of bagging the cut grass.

 IMPORTANT

If you strike a foreign object, stop the engine. Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

Striking a solid object can cause damage to the blade brake/clutch or to the engine crankshaft. Extensive vibration of the mower during operation is an indication of damage. The unit should be promptly inspected and repaired.

ADJUSTMENTS



WARNING

Do not at any time make any adjustment to lawn mower without first stopping engine and disconnecting spark plug wire.

DRIVE CLUTCH CONTROL ADJUSTMENT

If the unit does not self-propel with the drive clutch control engaged, remove the plastic cap from beneath the drive clutch control housing. Move the plastic fitting on the control cable to the next adjustment position on the left. Reassemble the plastic cap and retest. See figure 19.

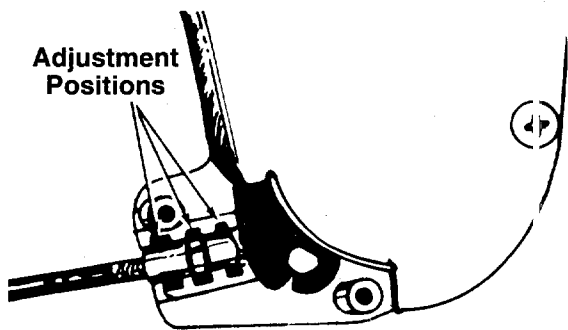


FIGURE 19.

CUTTING HEIGHT ADJUSTMENT

The height adjustment handle is located on the left side of the deck. The handle may be placed in one of nine cutting height positions. Push the handle to the left and then either forward to lower the cutting height or backward to raise the cutting height. See figure 20.

For rough or uneven lawns, move the height adjustment handle to a position which will give a higher cutting height.

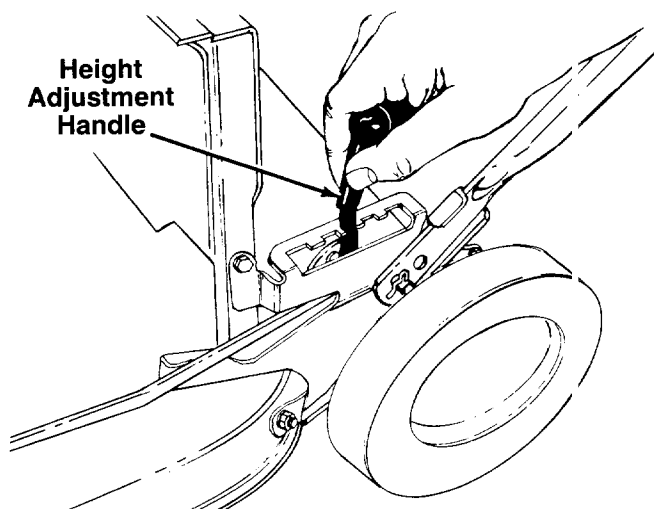


FIGURE 20.

THROTTLE

The throttle control wire assembly can be adjusted if necessary. Loosen the screw on the cable clamp shown in figure 5. Adjust as instructed in steps 1 and 4 of "Attaching the Throttle Control Cable" in Assembly Instructions.

CARBURETOR ADJUSTMENTS



WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustments may be required to compensate for differences in fuel, temperature, altitude and load. Refer to the separate engine manual packed with your mower.



NOTE

If a warm engine falters or stalls when attempting to engage the blade, the carburetor mixture should be adjusted 1/8 turn richer (counter-clockwise). See figure 21.

The carburetor should be adjusted with the air cleaner in place and the blade control handle in the blade disengaged position.



NOTE

A dirty air cleaner will cause an engine to run rough. Be certain air cleaner is clean before adjusting carburetor. Refer to the separate engine manual.

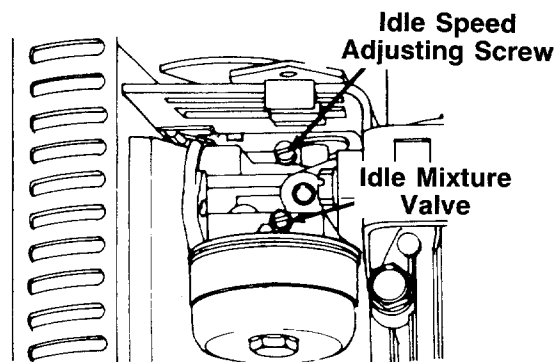


FIGURE 21.

LUBRICATION



WARNING

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

Blade Brake/Clutch—Lubricate the pivot points on the blade brake/clutch handle and the cable at least once a season with light oil. The control must operate freely in both directions.

Discharge Chute Door Mechanism (Model 176B)—

The torsion spring and pivot point should be lubricated periodically with light oil to prevent any rust or binding. Door must work freely.

Wheels—Mower may be provided with ball bearing wheels. Lubricate at least once a season with light oil. Also, if the wheels are removed for any reason,

lubricate the surface of the axle bolt and the inner surface of the wheel with light oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

Engine—Follow engine manual for lubrication instructions.

Throttle—Periodically lubricate throttle control lever and throttle wire assembly with a few drops of light oil for ease of operation.

MAINTENANCE



WARNING

Be sure to disconnect and ground the spark plug wire before performing any repairs or maintenance.



NOTE

When tipping the unit, empty the fuel tank and keep engine spark plug side up.

TROUBLE SHOOTING

Refer to page 19 of this manual for trouble shooting information.

CUTTING BLADE

To remove the cutting blade for sharpening or replacement, remove the two hex nuts and lock washers which hold the blade to the blade brake/clutch. Protect hands by using heavy gloves or a rag to grasp the cutting blade. See figure 22.

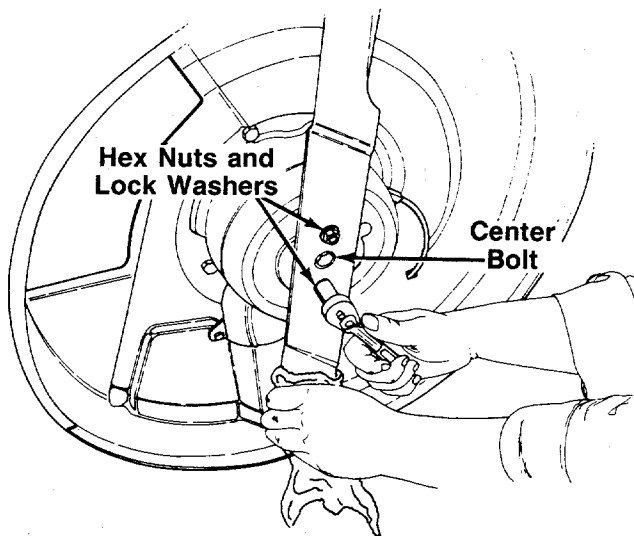


FIGURE 22.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds, may cause damage to the mower and could break, causing personal injury.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position.

Blade Mounting Torque

Make certain that the center bolt which secures the blade brake/clutch and the two hex nuts which secure the blade are tightened to between 350 inch pounds (minimum) and 600 inch pounds (maximum).

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

DECK

The underside of 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 cutting.

The deck may be cleaned by tilting the mower and scraping clean with a suitable tool or by washing with a stream of water from a garden hose.



NOTE

Do not direct the stream of water at a hot engine as damage to the engine may result.

ENGINE

Refer to the separate engine manual for all engine maintenance instructions.

Maintain **engine oil** as instructed in the separate engine manual packed with your unit. Read and follow instructions carefully.

Service **air cleaner** every 25 hours under normal conditions. Clean every few hours under extremely dusty conditions. Poor engine performance and flooding usually indicates that the air cleaner should be serviced. To service the air cleaner, refer to the separate engine manual packed with your unit.

The **spark plug** should be cleaned and the gap reset once a season. Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type and gap specifications.

Clean the engine regularly with a cloth or brush. Keep the cooling system (blower housing area) clean to permit proper air circulation which is essential to engine performance and life. Be certain to remove all grass, dirt and combustible debris from muffler area

BLADE BRAKE/CLUTCH

This unit is equipped with a blade brake/clutch. If for some reason the blade brake/clutch becomes inoperative, it is suggested that all repair work on the blade brake/clutch should be performed by an authorized service dealer. The unit should be inspected by an authorized service dealer if any of the following conditions are noticed.

1. Frayed clutch control cable.
2. Leaking oil seal (oil collection on the floor during mower storage).
3. Extensive vibration of the unit.

BELT REMOVAL AND REPLACEMENT

1. Disconnect the spark plug wire and ground it against the engine.
2. Drain the fuel tank or place a piece of plastic beneath the cap to prevent gasoline leakage.
3. On Model 176B, first remove the grass bag, discharge chute and catcher panel.
4. Remove the transmission belt cover by removing three bolts. Loosen the transmission belt guard. See figure 23.

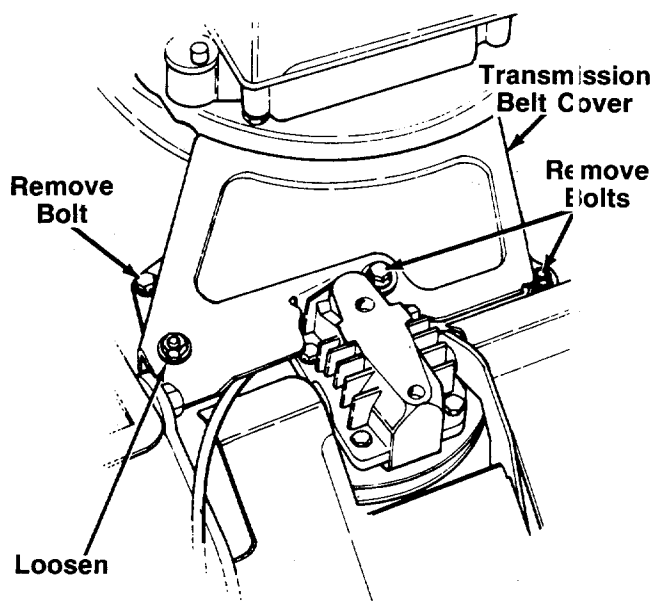


FIGURE 23.

5. Tip the mower on its side, and block securely.
6. Remove the blade by removing two hex nuts and lock washers. Refer to figure 22.

NOTE

When reassembling, tighten hex nuts to between 350 and 600 in. lbs.

7. Remove the inside belt guard by removing two self-tapping screws. A 3/8" wrench is required. See figure 24.
8. Remove the center bolt as follows.
 - a. Insert a screwdriver into the slot provided in the blade brake/clutch housing where the control cable enters the housing. See figure 24.
 - b. Place a 5/8" wrench on the center bolt. Turn the wrench slowly until the screwdriver catches in a groove provided inside the clutch. The screwdriver will now keep the clutch from turning, and the center bolt and cupped washer may be removed. Lift off lower housing.

IMPORTANT

Upon reassembly, be certain to tighten center bolt to between 350 and 600 in. lbs.

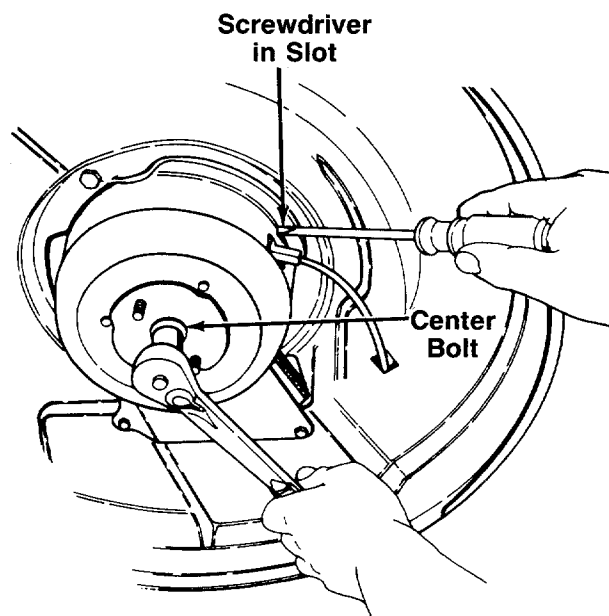


FIGURE 24.

9. Remove belt from the engine pulley half. Remove the belt from between the idler pulley and the belt guard on the idler pulley bracket. See figure 25.

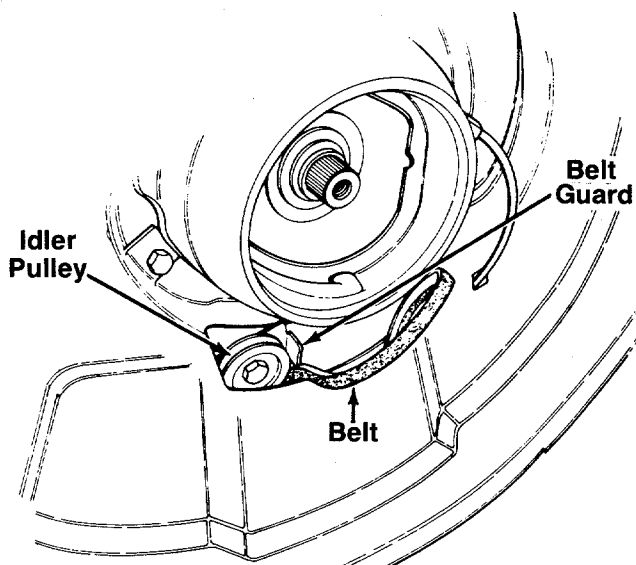


FIGURE 25.

10. Push the idler to the left and remove the belt from the transmission pulley. See figure 26.

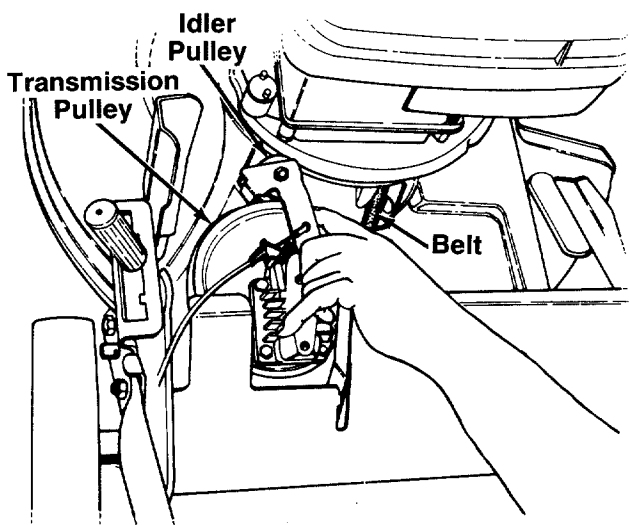


FIGURE 26.

11. Reassemble the new belt, following instructions in reverse order.

➡ **NOTE**

When reassembling the transmission belt cover, be certain the transmission belt guard is approximately 1/8" away from the belt. Make certain to tighten all nuts and bolts securely. If plastic was placed under the gas cap, be certain to remove it.

OFF-SEASON STORAGE

The following steps should be taken to prepare lawn mower for storage.

1. Clean and lubricate mower thoroughly as described in the lubrication instructions.
2. Refer to engine manual for correct engine storage instructions.
3. Coat mower's cutting blade with chassis grease to prevent rusting.
4. Store mower in a dry, clean area.

➡ **NOTE**

When storing any type of power equipment in an unventilated or metal storage shed, care should be taken to rustproof the equipment. Using a light oil or silicone, coat the equipment, especially cables and all moving parts.

 NOTE

The use of any accessory on this Rotary Mower other than those manufactured by the mower manufacturer is **not** recommended.

GRASS CATCHER Model 077 is available as optional equipment for the mower Model 166B shown in this manual.



1. DO NOT operate the mower with the chute door open unless the complete grass catcher is properly mounted on the mower.
2. DO NOT operate the mower without the protective shield on the rear of the deck 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.

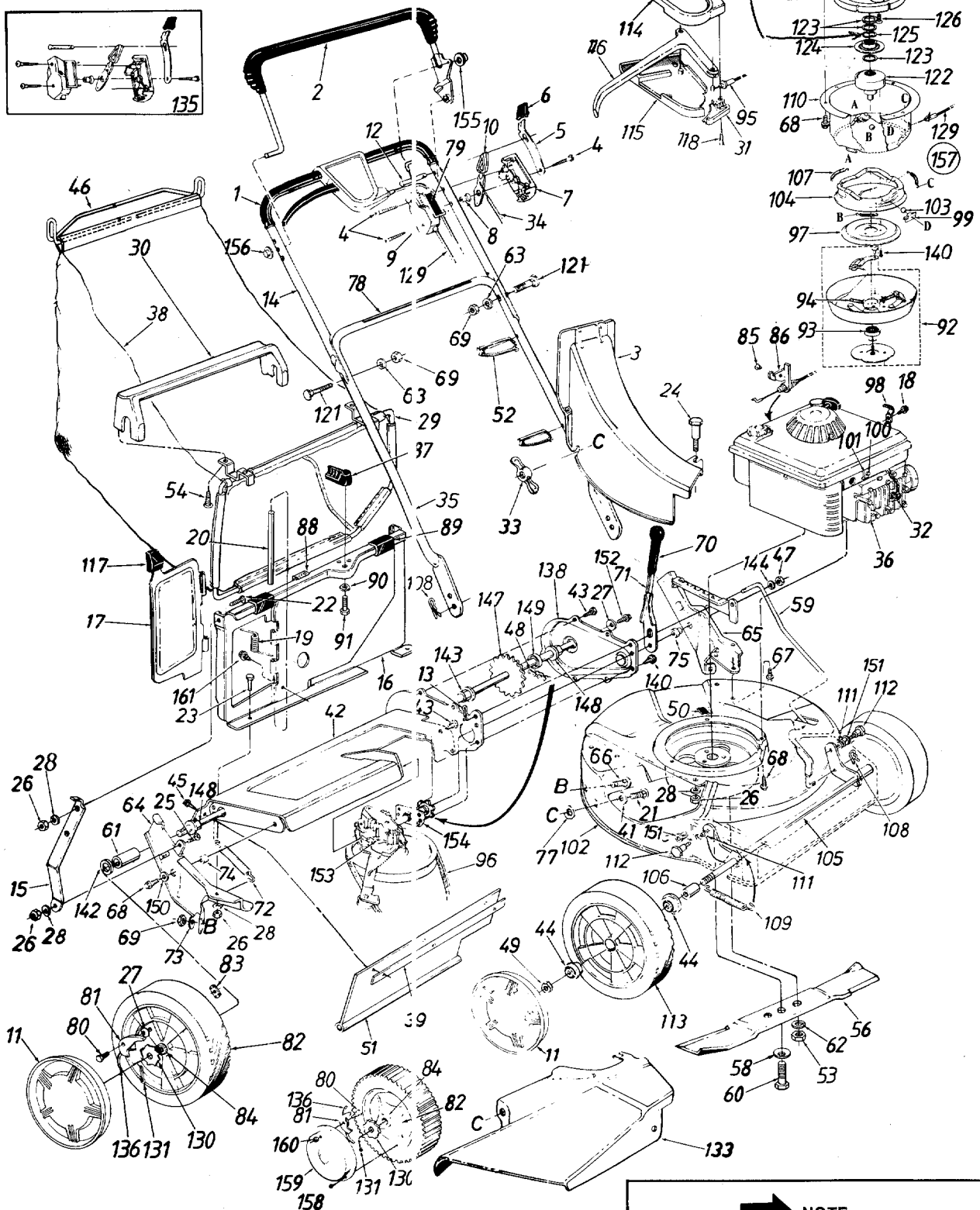
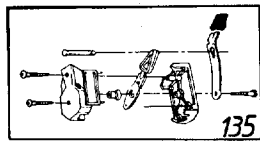
For replacement bags, use only factory authorized replacement bag No. 764-0212 (Black) or 764-0216 (Grey).

Trouble Shooting Chart

Problem	Cause	Remedy
1 Engine fails to start	A Check fuel tank for gas B Fuel shut-off valve closed C Spark plug lead wire disconnected D Throttle control lever not in the starting position E Faulty spark plug F Carburetor improperly adjusted, engine flooded G Old stale gasoline	A Fill tank if empty. B Open fuel shut-off valve. C Connect lead wire. D Move throttle lever to start position. E Clean, adjust gap or replace. F Remove spark plug, dry the plug, crank engine with plug removed, and throttle in off position. Replace spark plug and lead wire and resume starting procedures. G Drain and refill with fresh gasoline.
2 Hard starting or loss of power	A Spark plug wire loose B Carburetor improperly adjusted C Dirty air cleaner	A Connect and tighten spark plug wire. B Adjust carburetor. See separate engine manual. C Clean air cleaner as described in separate engine manual.
3 Operation erratic	A Dirt in gas tank B Dirty air cleaner C Water in fuel supply D Vent in gas cap plugged E Carburetor improperly adjusted	A Remove the dirt and fill tank with fresh gas. B Clean air cleaner as described in separate engine manual. C Drain contaminated fuel and fill tank with fresh gas. D Clear vent or replace gas cap. E Adjust carburetor. See separate engine manual.
4 Occasional skip (hesitates) at high speed	A Carburetor idle speed too slow B Spark plug gap too close C Carburetor idle mixture adjustment improperly set	A Adjust carburetor. See separate engine manual. B Adjust to .030". C Adjust carburetor. See separate engine manual.
5 Idles poorly	A Spark plug fouled, faulty, or gap too wide B Carburetor improperly adjusted C Dirty air cleaner	A Reset gap to .030" or replace spark plug. B Adjust carburetor. See separate engine manual. C Clean air cleaner as described in separate engine manual.
6 Engine overheats	A Carburetor not adjusted properly B Air flow restricted C Engine oil level low	A Adjust carburetor. See separate engine manual. B Remove blower housing and clean as described in separate engine manual. C Fill crankcase with the proper oil.
7 Excessive vibration	A Cutting blade loose or unbalanced B Bent blade	A Tighten blade. Balance blade. B Replace blade.

Note: For repairs beyond the minor adjustments listed above, contact your local service dealer.

Models 166B and 176B



SHOULD NOT BE FLAT
IF SO - SPACING IS WRONG



NOTE

Specifications subject to change without notice or obligation.

Models 166B and 176B

PARTS LIST FOR MODELS 166B AND 176B 21" ROTARY MOWERS

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0225		Foam Grip (2 Req'd.)	N	50	731-0564		Plug	
	718-0145		Grip		51	731-0672		Rear Flap 3.75" x 17.30" Lg.	
2	16739		Control Handle Ass'y.—L.H.	N	52	726-0240		Cable Tie	
3	731-0734		Top Discharge Chute Ass'y.†		53	712-0328		Hex Nut 3/8-24 Thd. (Gr. 8)	
4	710-0796		Truss Mach. Scr. #12 x 1.50" Lg.		54	710-0969		Hex AB-Tap Scr. #12 x 1.0" Lg.	N
5	732-0401		Lockout Spring		56	742-0306		21" Blade	
6	720-0190		Spring Lever Knob		58	736-0412		Bell-Wash. .46" I.D. x .88" O.D.	
7	731-0817		Control Panel Half		59	747-0510		Height Adj. Rod 19.42" Lg.	
8	731-0524		Control Disc Pin		60	710-1002		Hex Bolt 7/16-20 x 2.0" Lg. (Grade 5)	
9	731-0816		Clutch Panel Half		61	748-0190		Spacer .513" I.D. x .703" O.D. x .69" Lg.	
10	731-0528		Throttle Control Lever	N	62	736-0169		L-Wash. 3/8" I.D.*	
11	††		Hub Cap		63	736-0119		L-Wash. 5/16" I.D.*	
12	731-0607		Lock Pin .314" Dia. x 1.75"		64	16136		R.H. Handle Wheel Brkt. Ass'y.	
13	714-0507		Cotter Pin 3/32" Dia. x .75"*		65	16137		L.H. Handle Wheel Brkt. Ass'y.	
14	749-0437		Upper Handle—Chrome	N	66	710-0260		Carriage Bolt 5/16-18 x .62"*	
	749-0439		Upper Handle—Painted	N	67	710-0603		Hex Wash. Hd. B-Tap Scr. 5/16-18 x .5" Lg.	
15	16129		Panel Support Brkt.†		68	710-1007		Hex Wash. Hd. TT-Tap Scr. 3/8-16 x 1.5" Lg.	
16	17196		Top Catcher Panel Ass'y.†		69	712-0267		Hex Nut 5/16-18 Thd.*	N
17	17095		Top Discharge Door†		70	720-0223		Grip	
18	710-0429		Hex B-Tap Scr. #10 x .38"		71	732-0473		Height Adj. Lever	
19	732-0483		Torsion Spring†		72	732-0481		Extension Spring .50" O.D. x 3.80" Lg.	
20	747-0514		Pivot Pin†		73	736-0242		Bell-Wash. 5/16" I.D.	
21	710-0134		Carriage Bolt 1/4-20 x .62"*		74	750-0526		Spacer .385" I.D. x .502" O.D. x .270" Lg.	
22	710-0286		Truss Mach. Scr. 1/4-20 x .5" Lg.†		75	750-0624		Shld. Spacer .500" Dia. x .100	
23	710-0289		Hex Bolt 1/4-20 x .50" Lg.*†		77	726-0233		Bolt Retainer 1/4 x .50" O.D.	
24	738-0704		Shoulder Bolt .312 Dia. x .18 Lg. Special		78	777-5815		Instruction Label	
25	710-0258		Hex Bolt 1/4-20 x .62" Lg.*†		79	777-5811		Control Label	
26	712-0287		Hex Nut 1/4-20 Thd.*		80	738-0137		Shld. Scr. .342" Dia. x .268	
27	736-0270		Bell-Wash. 1/4" I.D.		81	748-0188		Pawl	
28	736-0329		L-Wash. 1/4" I.D.*		82	**		Wheel Ass'y. Comp.	N
29	16702		Front Grass Catcher Frame†		83	712-0489	044	Flat Weld Nut 1/4-20 Thd.	
30	731-0801		Grass Catcher Handle†		84	741-0486		Sleeve Bearing 1/2" I.D.	
31	731-0619		S.P. Control Cover		85	728-0171		Pop Rivet .156" Dia. x .379"	
32	735-0639		Spark Plug Insulator		86	14924		Cable Bracket	
33	712-0388		Wing Nut	N	87	720-0224		Grass Catcher Locking Knob†	N
34	746-0672		Throttle Control Wire 58" Lg.		88	722-0134		Foam Strip 1" Lg.†	
35	749-0505		Lower Handle—Chrome		89	731-0883		Panel Clip†	
	749-0504		Lower Handle—Painted		90	736-0271		Spring Wash. .32" I.D.†	
36	—		Engine		91	710-0258		Hex Bolt 1/4-20 x .62" Lg.*†	
38	764-0212		21" Top Discharge Grass Bag—Black†		92	14300		Clutch Blade Housing Ass'y.	
	764-0216		21" Top Discharge Grass Bag—Grey†		93	741-0124		Ball Brg. .669" I.D. x 1.574"	
39	14835		Retaining Strip		94	732-0396		Comp. Spring .35" O.D. x 2.0" Lg.	
41	736-0204		Fl-Wash. .344" I.D. x .62"		95	746-0650		S.P. Cable x 50" Lg.	
42	17055		Chain—Axle Ass'y.	N	96	754-0343		"V"-Belt	
43	710-0352		Hex B-Tap Scr. 1/4" x .38" Lg.		97	14304		Clutch Cone	
44	741-0180		Flange Ball Bearing 1/2" I.D.		98	12894		Casing Clamp	
45	710-0776		Hex AB-Tap Scr. 1/4 x .62"						
46	747-0495		Upper Bag Handle†						
47	712-0296		Hex Patch L-Nut 3/8-24 Thd.						
48	713-0353		#48 Chain .500" Pitch x 30 Links						
49	712-0346		Hex L-Nut 1/2-20 Thd.						

Models 166B and 176B

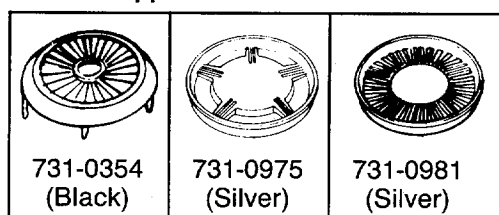
PARTS LIST FOR MODELS 166B AND 176B 21" ROTARY MOWERS (CONTINUED)

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
99	731-0520	629	Ball Block	N	133	731-0886		Side Chute Deflector Ass'y.	N
100	710-0436		Hex B-Tap Scr. #10 x .62"		135	753-0431		Kit—Control Housing Comp.	
101	751-0463		Casing Clamp		136	10622		Spring—Nylon	
102	17075		21" Deck Ass'y.		137	17176		Engine Mounting Plate Cover	
103	741-0326		Steel Ball .50" Dia.		138	17053		Chain Cover	
104	14305		Brake Cup Cone		140	710-0599		Hex Wash. S-Tap Scr. 1/4-20 x .50" Lg.	
105	10662		Front Axle Ass'y.		142	736-0326		FI-Wash. .510" I.D. x 1.0" O.D.	
106	711-0313		Sleeve .526" I.D. x .690" O.D. x .880" Lg.		143	741-0522		Hex Flange Brg. .506" I.D.	
107	732-0397		Ext. Spring 1.75" Lg.		144	736-0300		FI-Wash. .385" I.D. x .87" O.D.	
108	714-0104		Intern. Cotter Pin 5/16" Dia		147	738-0719		Rear Shaft Ass'y. 21.94" Lg.	
109	732-0482		Extension Spring .50" O.D. x 3.20" Lg.	N	148	741-0324		Hex Flange Bearing .506" I.D. Plastic	
110	14309		Clutch Housing		149	736-0160		FI-Wash. .531" I.D. x .930" O.D.	
111	736-0221		Intern. L-Wash. 3/8 I.D.*		150	736-0179		FI-Wash. .531" I.D. x 1.25" O.D.	
112	738-0705		Shld. Bolt .623" Dia. x .425		151	741-0491		Flanged Nyliner Brg.	
113	**		Wheel Ass'y. Comp.		152	710-0751		Hex Bolt 1/4-20 x .62" Lg. (Grade 5)	
114	731-0617		Self-Propelled Control Cove		153	717-0417		Transmission Comp. (See Breakdown)	
115	731-0618		Self-Propelled Control Cove		154	16500		Hex Bearing Cup	
116	731-0620		Control Lever		155	726-0245		Push Cap	
117	720-0190		Door Grip		156	726-0135		Push Cap	
118	710-0841		FI-"C"-Sunk Hd. Tap Scr. #10 x .75" Lg.		157	717-0845		Blade Brake Clutch Ass'y. Comp.	
121	710-0671		Curved Carr. Bolt 5/16-18 x 1.38" Lg.		158	710-0748		Pan Hd. Tap Scr. #12 x .50" Lg.	
122	756-0504		Fixed Pulley Adapter		159	10647		Hub Cap	
123	736-0409		Serrated Washer 1.0" I.D.		160	712-0324		Hex Ins. L-Nut 1/4-20 Thd.	
124	756-0503		Serrated Pulley Half		161	710-0429		Hex B-Tap Scr. #10 x .38"†	
125	736-0408		Wave Washer 1.005" I.D.						
126	710-0618		Flat HD Tap Scr. 1/4-20 x .625" Lg.						
127	748-0319		Flywheel						
128	748-0320		Flywheel Adapter						
129	746-0406		Control Cable—49" Lg.						
130	748-0318		Ratchet Wheel 1.62" O.D.						
131	714-0115		Cotter Pin 1/8" Dia. x 1.00" Lg.*						

†Top Discharge Model 176B Only.

*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.

††HUB CAP CHART



NOTE: 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."

Find It Fast
In The
Yellow Pages

**WHEEL CHART

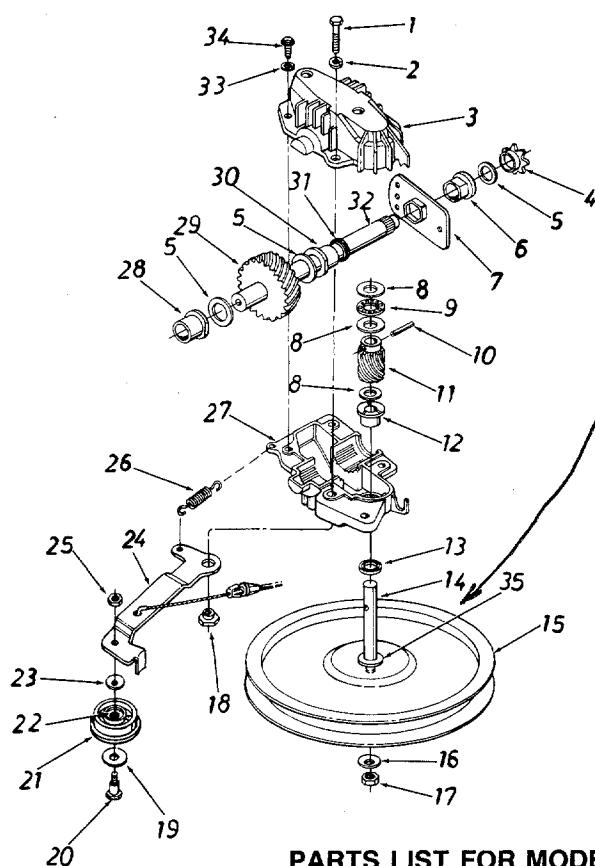
Size	Tread Type	Part No.
7 x 1.5"	Waffle	734-0922
7 x 2.0"	"S" Wave	734-1511
8 x 1.75"	Gear	734-1411
8 x 2.0"	"S" Wave	734-1510

If color or finish is important when ordering parts, use the appropriate color code shown below [i.e. (part no.)-629 for Silver Flake Finish].

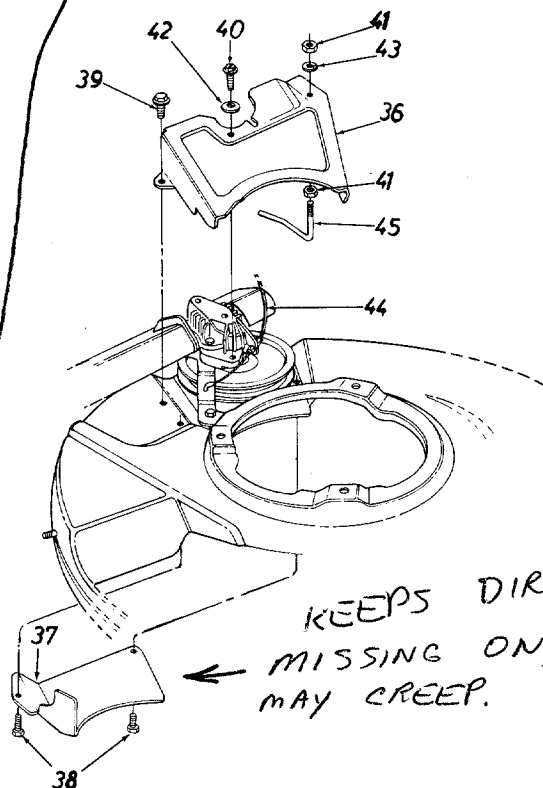
Color Codes

312—White	480—Brilliant Green
436—Radiant Yellow	483—Charcoal Grey
447—Patina Silver	499—Beige
452—Black	629—Silver Flake
456—Radiant Tangerine	630—Blue
460—Green Flake	638—MTD Red

Models 166B and 176B



TO SLOW UNIT DOWN
SLIP BELT. LIGHT PRESSURE ON
ENGAGEMENT HANDLE



**PARTS LIST FOR MODELS 166B AND 176B
21" ROTARY MOWERS**

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0106		Hex Bolt 1/4-20 x 1.25" Lg.*		22	741-0482		Needle Brg. .375" x .31"	
2	736-0329		L-Wash. 1/4" I.D.*		23	736-0270		Bell-Wash. .265" I.D. x .75"	
3	717-0418		Upper Hsg. Half		24	17052		Idler Brk't. Ass'y.	
4	713-0400		#48 Sprocket 7 Tooth x 1/2 Pitch		25	712-0138		Hex Patch L-Nut 1/4-28 Thd.	
5	736-0336		Fl-Wash. 5/8" I.D. x .030		26	732-0357		Extension Spring 1.12" Lg.	
6	741-0413		Hex Flange Brg. .631" I.D.		27	717-0419		Lower Hsg. Half	
7	16500		Hex Bearing Cup		28	741-0415		Flange Bearing .566 Dia.	
8	736-0314		Thrust Wash. .382" I.D. x .70" O.D.		29	717-0422		33 Tooth Helical Gear	
9	741-0479		Thrust Bearing .375" I.D. x .812" O.D.		30	741-0414		Flange Bearing .629 Dia.	
10	715-0152		Spring Pin Spir. 1/8" x .62" Heavy		31	721-0213		Oil Seal .625 Dia.	
11	717-0420		11 Tooth Helical Gear		32	738-0607		Gear Sprocket Shaft	
12	748-0208		Flange Bearing		33	736-0722		L-Wash. #10 I.D.	
13	721-0212		Oil Seal		34	710-0436		Hex B-Tap Scr. #10 x .62"	
14	738-0708		Pulley-Transmission Shaft		35	736-0410		Hex Washer .26" x .88"	
15	756-0330		Fl-Pulley 5.06" O.D.		36	17058		Transmission Belt Guard	
16	736-0270		Bell-Wash. .265" I.D. x .75"		37	17065		Belt Cover	
17	712-0351		Hex L-Nut 1/4-28 Thd.		38	710-0352		Hex B-Tap Scr. 1/4 x .38" Lg.	
18	738-0440		Shld. Spacer .375" Dia. x .170"		39	710-0599		Hex AB-Tap Scr. 1/4 x .50" Lg.	
19	736-0344		Fl-Wash. .390" I.D. x 1.0"		40	710-0896		Hex B-Tap Scr. 1/4 x .62" Lg.	
20	738-0691		Shld. Bolt .375" Dia. x .40"		41	712-0287		Hex Nut 1/4-20 Thd.*	
21	756-0447		Fl-Idler Plastic 1.50" Dia.		42	736-0270		Bell-Wash. .265" I.D. x .75"	
					43	736-0329		L-Wash. 1/4" I.D.*	
					44	746-0650		S.P. Cable—50" Lg.	
					45	747-0549		S.P. Belt Guard	
					—	717-0417		Transmission Comp.	

†Not Part of Transmission Complete

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

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

BRIGGS AND 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.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA Auto Electric & Carburetor Co.	BIRMINGHAM 2625 4th Ave. S.35233	NEW YORK Gamble Dist., Inc.	CARTHAGE West End Ave.13619
ARKANSAS Sutton's Lawn Mower Shop	NORTH LITTLE ROCK 5301 Roundtop Drive Box 368, Rt. 472117	NORTH CAROLINA Dixie Sales Company	GREENSBORO 335 N. Green27402
CALIFORNIA Billious	PORTERVILLE 75 North D Street93257	OHIO Stebe's Mid-State Mower Supply	CARROLL Box 366, 71 High St.43112
COLORADO Spitzer Industrial Products Co.	DENVER 6601 N. Washington St.30229	Bleckrie, Inc.	CLEVELAND 7900 Lorain Ave.44102
FLORIDA Radco Distributors	JACKSONVILLE 4909 Victor St. Box 545932207	National Central	WADSWORTH 687 Seville Rd.44281
Small Eng. Dist.	HIALEAH 7995 W. 26th Court33016	Burton Supply Co.	YOUNGSTOWN 1301 Logan Ave. Box 92944501
GEORGIA East Point Cycle & Key Inc.	EAST POINT 2834 Church St.30344	PENNSYLVANIA EECO Inc.	HARRISBURG 4021 N. 6th St.17110
ILLINOIS Keen Edge Co.	LYONS 8615 Ogden Ave.30534	Thompson Rubber Co.	WILLOW GROVE 850 Davisville Rd.19090
INDIANA Parts & Sales Inc.	ELKHART 2101 Industrial Pkwy.16516	Bluemont Co.	PITTSBURGH 11101 Frankstown Rd.15235
IOWA Power Lawn & Garden Equip.	DUBUQUE 2551 J.F. Kennedy52001	Frank Roberts & Sons	PUNXSUTAWNEY R.D. 215767
LOUISIANA Suhren Engine Co.	NEW ORLEANS 8330 Earhart Blvd.70118	Scranton Auto Ignition Co.	SCRANTON 1133-35 Wyoming Ave.18509
MARYLAND Center Supply Co.	TAKOMA PARK 6867 New Hampshire Ave.20912	TENNESSEE Ace Distributors	KNOXVILLE 2103 Magnolia37917
MASSACHUSETTS Morton B. Collins Co.	SPRINGFIELD 300 Birnie Ave.01107	American Sales & Service, Inc.	MEMPHIS 3035-43 Bellbrook38116
MICHIGAN Power Equipment Dist.	MOUNT CLEMENS 340 Hubbard48043	TEXAS Marr Brothers, Inc.	DALLAS 423 E. Jefferson75203
MINNESOTA Hance Distributing Inc.	PLYMOUTH 12795 16th Ave. North55441	Engine House Inc.	SAN ANTONIO 8610 Botts Lane P.O. Box 1786778217
MISSOURI Oscar Wilson Engine & Parts	EARTH CITY 4159 Shoreline Dr.63045	UTAH Powered Products	SALT LAKE CITY 1661 N. Beck St.84116
Automotive Equip. Service	KANSAS CITY 3117 Holmes St.64109	VIRGINIA RBI Corp.	ASHLAND 101 Cedar Ridge Dr.23005
NEW JERSEY Piersons	ALLOWAY Canal St., Box 49408001	WASHINGTON Equip. Northwest	SEATTLE 1410 14th Ave.98122
NEW MEXICO Spitzer Eng. & Parts Co.	ALBUQUERQUE 1023 Third Ave. N.W.87103	WISCONSIN Wisconsin Magneto Inc.	MILWAUKEE 4727 N. Teutonia St.53209

WARRANTY PARTS AND SERVICE POLICY

(0687)

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, Serial Number and/or Data Code of unit involved.
2. Date unit was purchased or first put into service.
3. Date of Failure.
4. Nature of Failure.