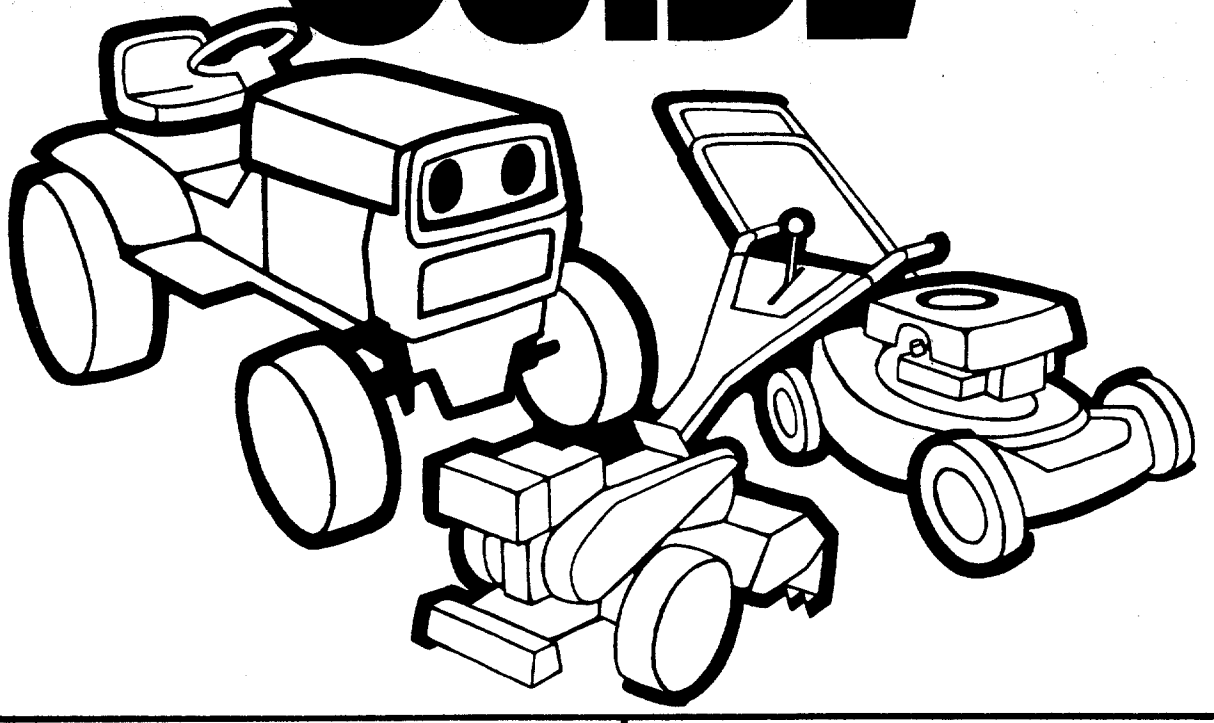
$1.00

OWNER'S GUIDE



26″ HI-WHEEL SELF-PROPELLED ROTARY MOWER

Model Numbers
127-560-000
12560-7

IMPORTANT: Read Safety Rules and Instructions Carefully

Thank you for purchasing an American-built product.

FORM NO. 770-5237B

INDEX

Slope Gauge 3
Contents of Hardware Pack 4
Rules for Safe Operation 5
Assembly 6
Controls 10
Operation 10
Adjustments 12
Lubrication 13
Maintenance 13
Off-Season Storage 15
Trouble Shooting Chart 17
Illustrated Parts 18, 20, 22, 23
Repair Parts Lists 19, 21, 22, 23

Dear Customer,

So often throughout the year we are all in a rush to meet our daily obligations.

However, we at MTD Products Inc are taking a quick moment out to say. . .

"Thank you for your business."

Sincerely,
MTD PRODUCTS INC

INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE TO FOLLOW THEM.

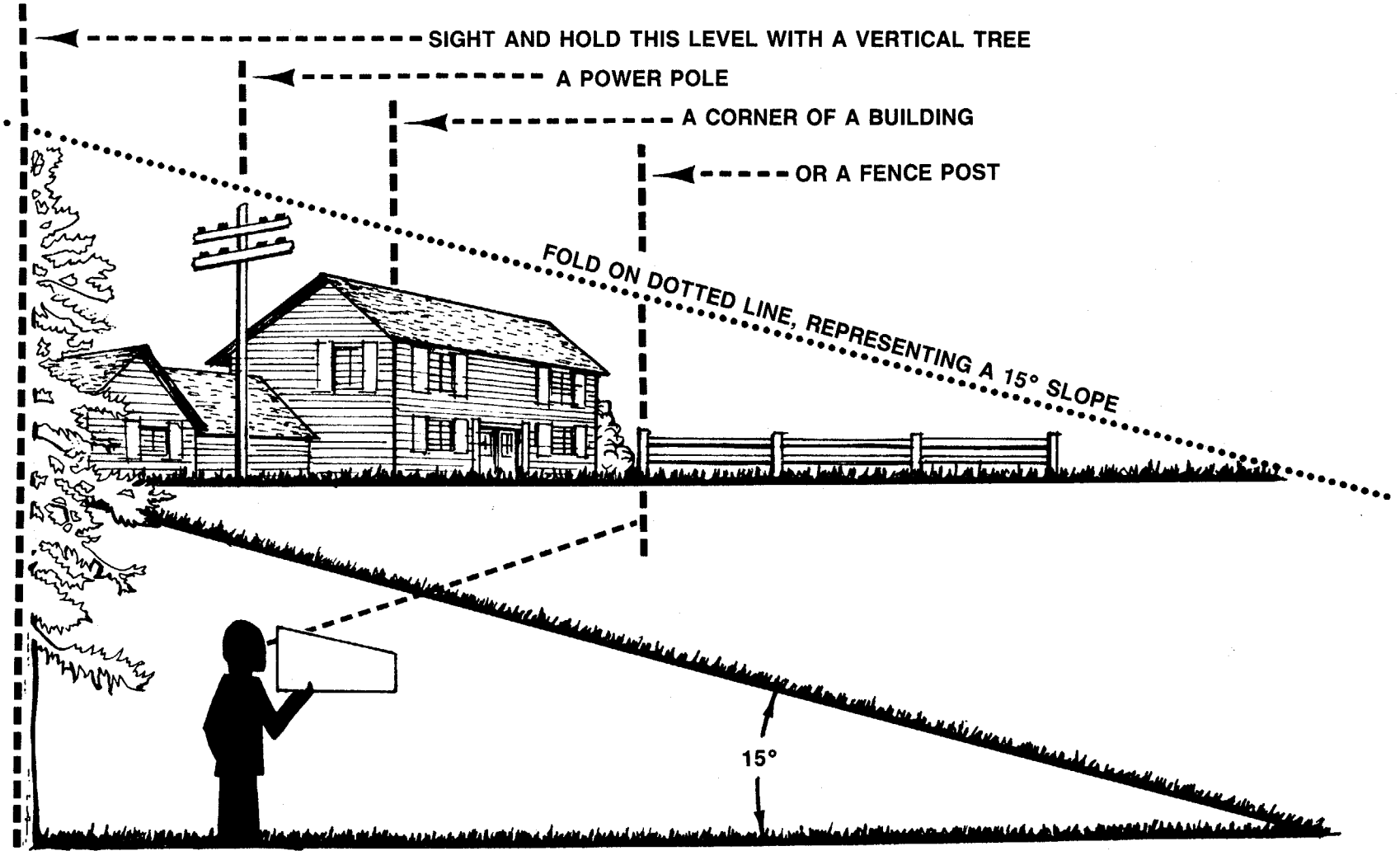
WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester 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 muffler is available at your nearest engine authorized service center.

SLOPE GAUGE

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

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



WARNING

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.

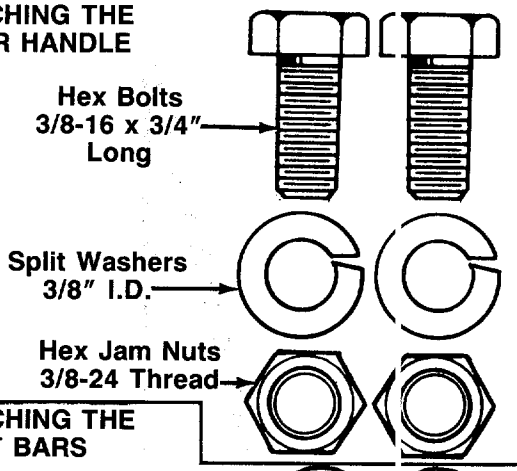
Operate RIDING mowers up and down slopes, never across the face of slopes.
Operate WALK-BEHIND mowers across the face of slopes, never up and down slopes.

CONTENTS OF HARDWARE PACK/PARTS IDENTIFICATION

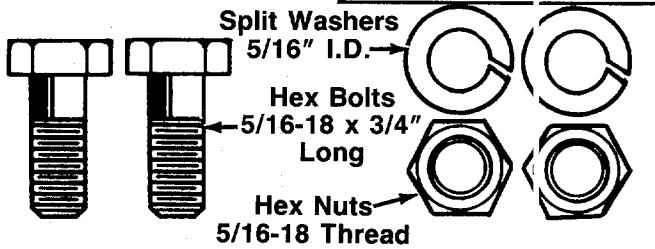
Remove this sheet from your owner's manual and lay the hardware on the illustration for identification purposes. After assembly, keep the Slope Gauge which is on the reverse side of this sheet for future use.

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

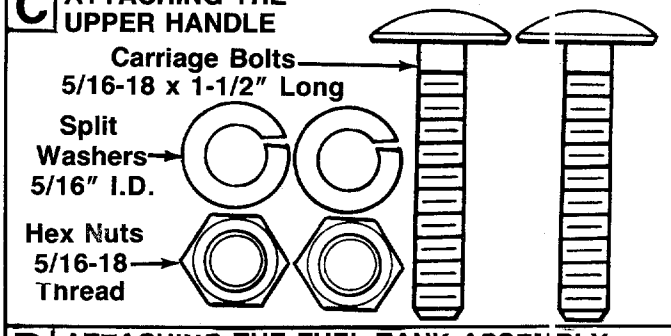
A ATTACHING THE LOWER HANDLE



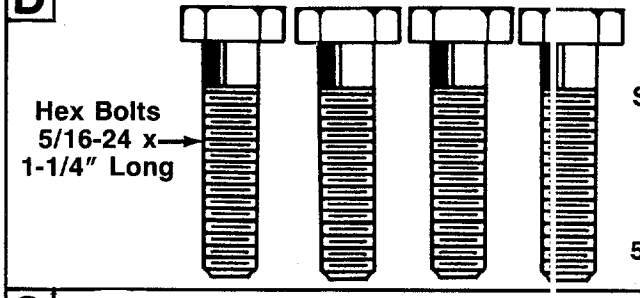
B ATTACHING THE STRUT BARS

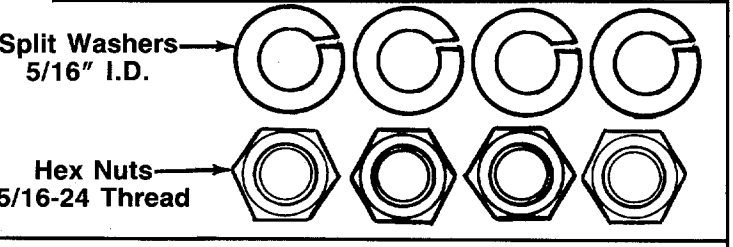


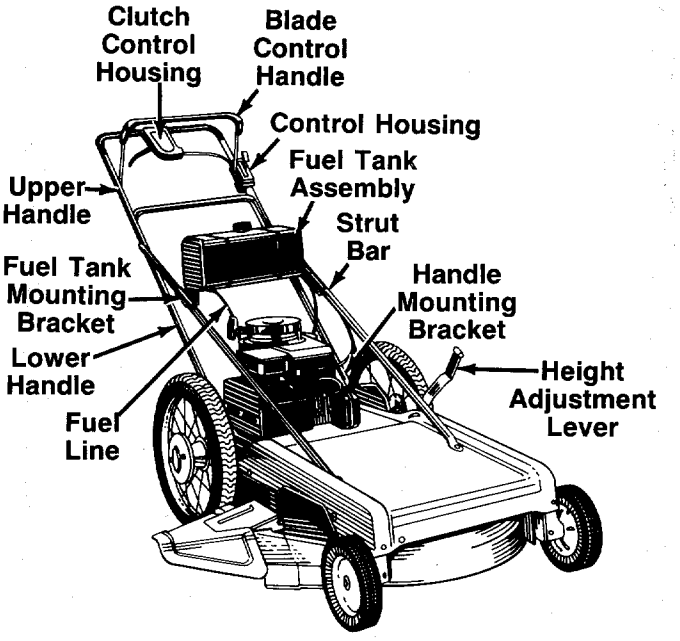
C ATTACHING THE UPPER HANDLE



D ATTACHING THE FUEL TANK ASSEMBLY

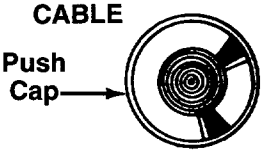






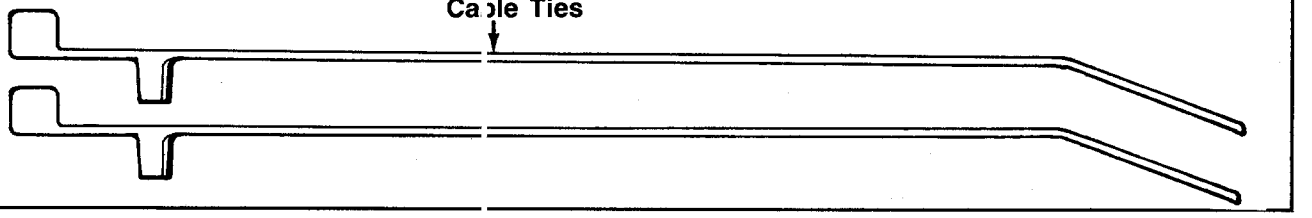
PARTS IDENTIFICATION

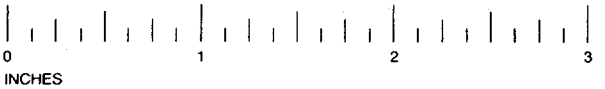
E ATTACHING THE BRAKE/CLUTCH CABLE



F ATTACHING THE DRIVE CLUTCH CONTROL CABLE

G SECURING THE CABLES





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 accidently 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 15^0 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.

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.

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

Tools Required for Assembly
(1) Phillips Head Screwdriver
(2) 1/2" Wrenches*
(1) 5/16" Wrench or Nutdriver*
(2) 9/16" Wrenches*
(1) Pair of Pliers
*Or two 6" Adjustable Wrenches

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.

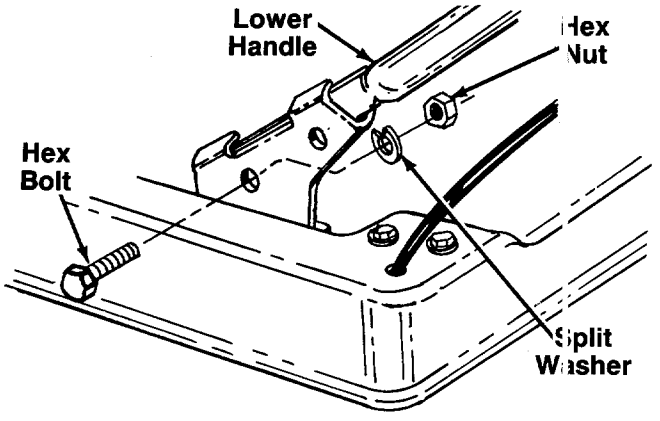


FIGURE 1.

ATTACHING THE LOWER HANDLE (Hardware A)

1. Make certain height adjustment lever, located on the left side of the frame, is in the lowest cutting height position for ease of assembly.
2. Place the end of the lower handle inside the handle mounting brackets on the mower. See figure 1. Make certain the instruction label on the lower handle can be read from the operating position.
3. Secure handle to the handle mounting brackets with hex bolts, split washers and hex nuts. Heads of the hex bolts are on the outside of the handle. See figure 1. Do not tighten at this time.

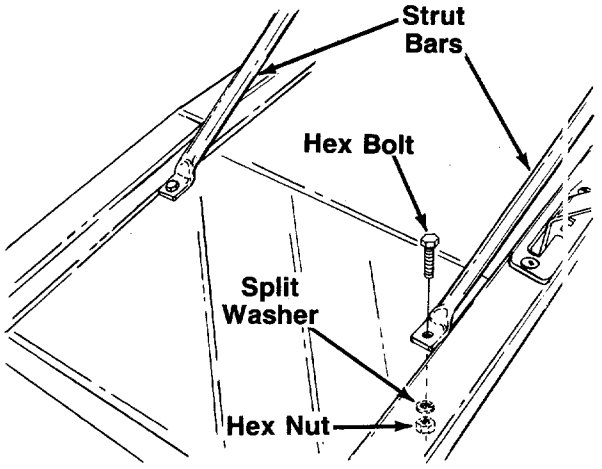


FIGURE 2.

ATTACHING THE STRUT BARS (Hardware B)

Attach the strut bars to the frame with hex bolts, split washers and hex nuts. The lock washers and hex nuts go beneath the frame. See figure 2. Do not tighten.

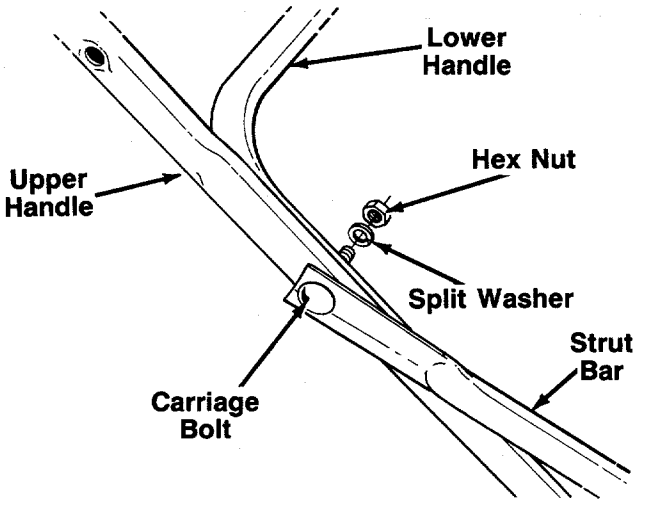


FIGURE 3.

ATTACHING THE UPPER HANDLE (Hardware C)

Place upper handle in position over lower handle. The control housing must be on the left hand side of the handle. Secure the strut bars, upper handle and lower handle using carriage bolts, split washers and hex nuts. See figure 3. Do not tighten.

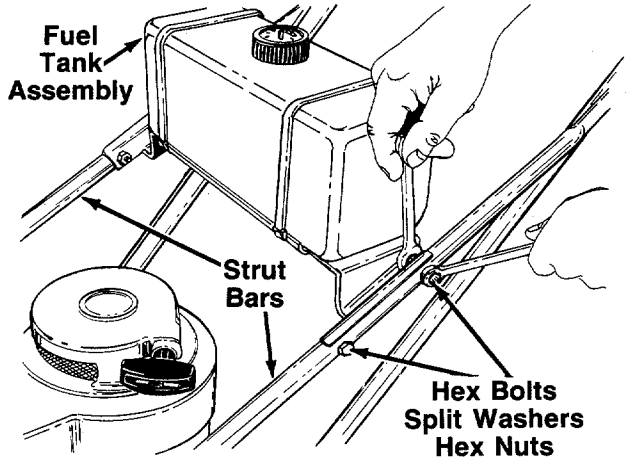


FIGURE 4.

ATTACHING THE FUEL TANK ASSEMBLY (Hardware D)

1. Place the fuel tank assembly in position on the strut bars as shown in figure 4. Secure fuel tank assembly to the strut bars using hex bolts, split washers and hex nuts. Heads of the hex bolts are on the outside of the unit. Tighten securely.
2. Tighten securely all bolts and nuts used to assemble the handles and strut bars.

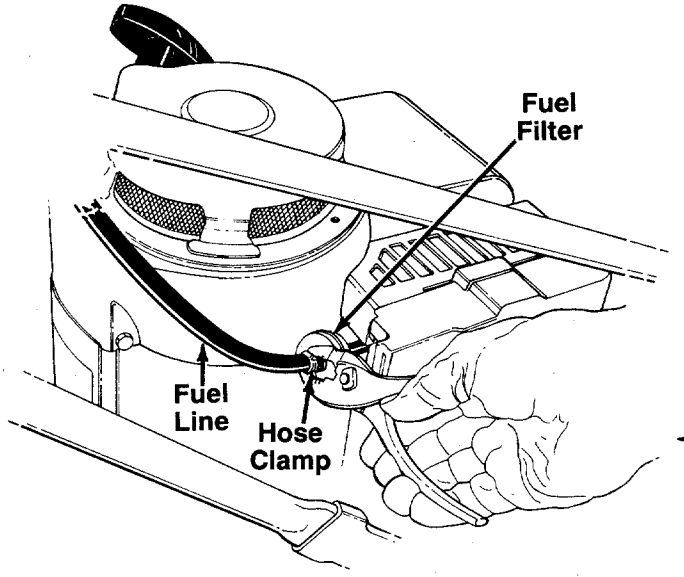


FIGURE 5.

3. The fuel line is already attached to the fuel shut-off valve, located beneath the fuel tank. Place the end of the fuel line over the end of the fuel filter (connected to the engine).

   Secure by squeezing the tabs of the hose clamp (already on the fuel line), and sliding it down over the end of the fuel filter. See figure 5.

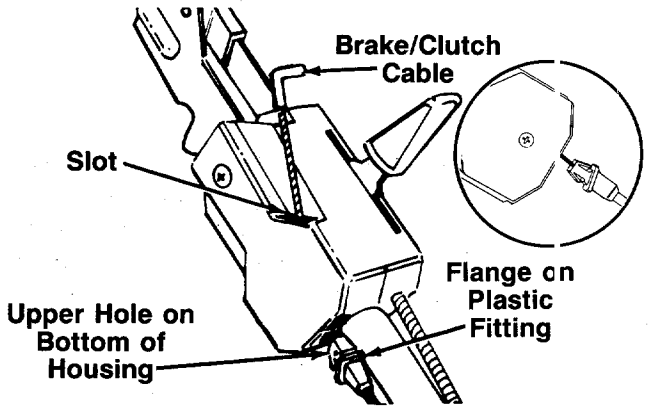


FIGURE 6.

ATTACHING THE 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 brake/clutch underneath the deck.

1. Route the brake/clutch cable over the fuel tank mounting bracket and under the lower handle. 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 6. Be careful not to bend or kink the cable at any time.
2. Push the plastic flange until it locks into the control housing.

WARNING

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

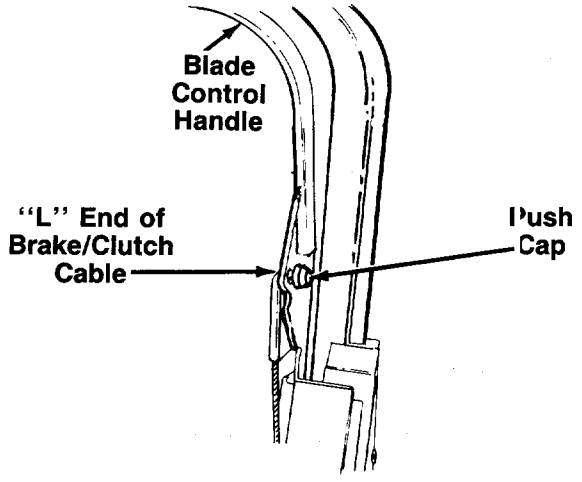


FIGURE 7.

3. Insert the "L" end of the brake/clutch cable into the hole in the blade control handle, from the inside to the outside as shown in figure 7. Hold the end of the cable, and press push cap on by hand.

ATTACHING THE THROTTLE CABLE

1. Push the throttle control lever on the handle all the way forward to CHOKE position, then back off approximately 1/8 inch. See figure 8.
2. The throttle control cable is attached to the upper handle. Route the throttle control cable under the lower handle and over the fuel tank mounting bracket. Hook the "Z" end of the throttle control cable into the hole in the control lever on the engine. See figure 8.
3. Using a 5/16" wrench or nutdriver, remove the screw on the cable clamp shown in figure 8. Slip the control casing under the clamp. Replace the screw (casing should be above the screw), but do not tighten screw (cable must still move freely beneath the clamp).
4. Slide the control lever on the engine as far toward the outside of the engine as it will go as shown in figure 8. Tighten the screw to secure the throttle control cable in this position.

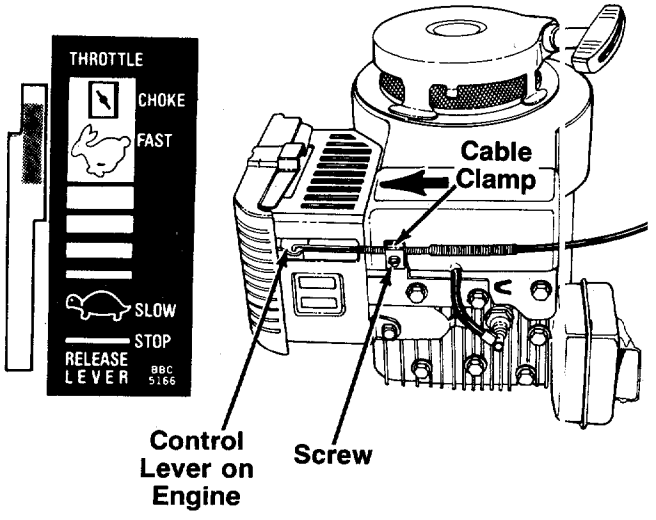


FIGURE 8.

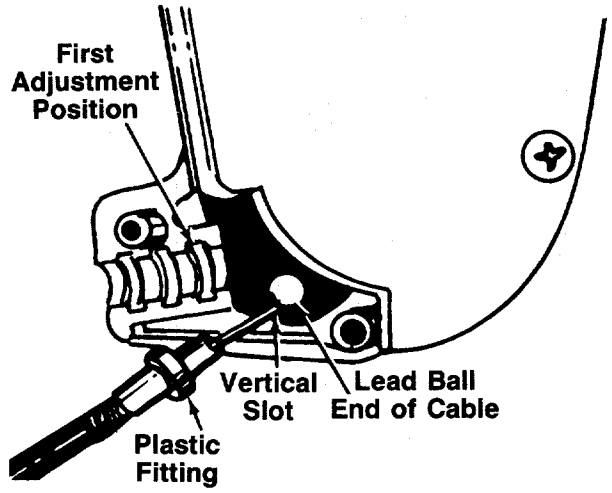


FIGURE 9.

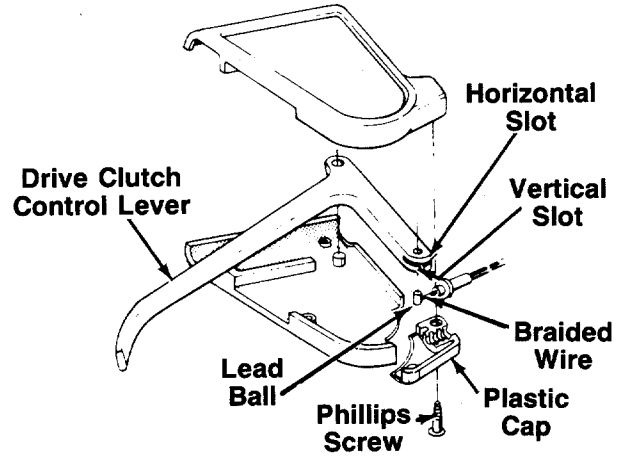


FIGURE 10.

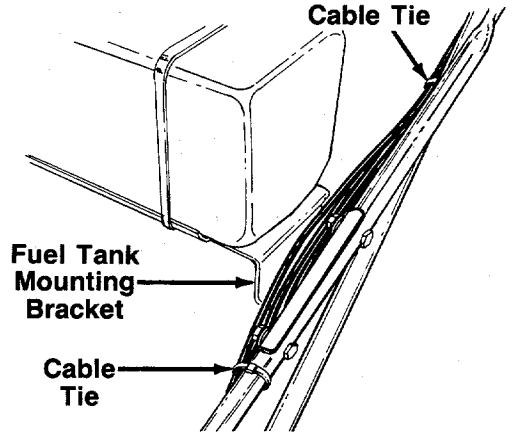


FIGURE 11.

ATTACHING THE DRIVE CLUTCH CONTROL CABLE (Hardware F)

The drive clutch control cable is attached to the transmission beneath the frame. Route the drive clutch cable over the fuel tank mounting bracket and under the lower handle. 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 9.
2. Slide the braided wire around in the horizontal slot. See figure 10.
3. Place the plastic fitting on the control cable into the first adjustment position in the clutch control housing. See figure 9.
4. Secure the plastic cap to the clutch control housing using the two Phillips head screws. See figure 10.

WARNING

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

SECURING THE CABLES (Hardware G)

Secure all control cables to the left handle and strut bar as follows. See figure 11.

A. Insert post on cable tie into hole provided on the inside of the lower handle, above the fuel tank mounting bracket. Secure the cables to the lower handle.

B. Using the other cable tie, secure the cables to the left hand strut as shown in figure 11.

NOTE

There is no hole provided in the strut bar to anchor the second cable tie. Simply position as shown in figure 11.

C. Trim excess ends of cable ties.

FINAL ASSEMBLY

1. Make certain **all** nuts and bolts are tightened securely.
2. Check the tire pressure. Recommended operating tire pressure should be thirty to thirty five p.s.i. After the unit is put into operation, check tire pressure periodically.

CONTROLS

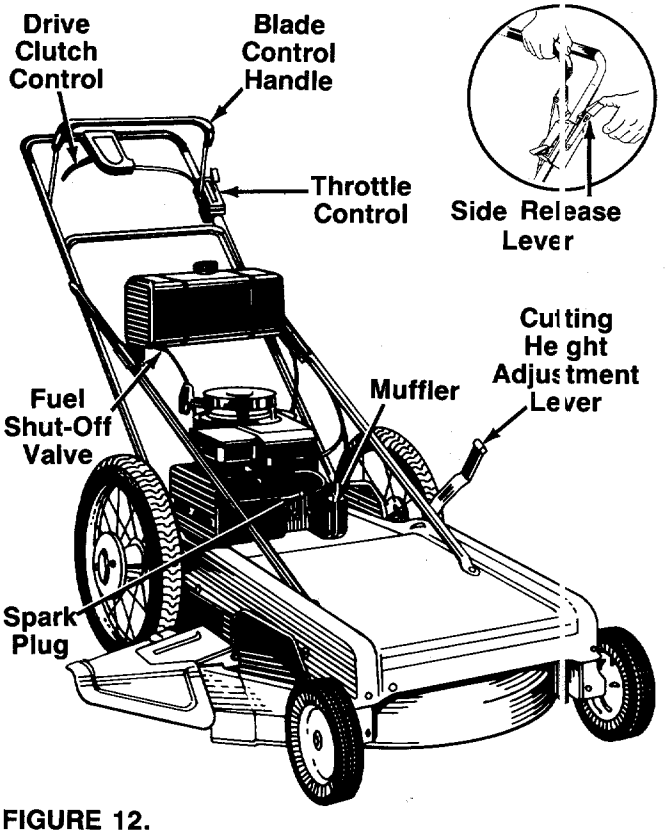


FIGURE 12.

THROTTLE CONTROL

The throttle is located on the left side of handle. It controls engine speed. See figure 12.

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 12.

BLADE CONTROL

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

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

To engage the blade, pull the side release lever away from the unit. See figure 12. Pull the blade control handle against the upper handle. Release side lever.

Release the blade control handle to stop the blade from turning.

OPERATION

FIGURE 13.

Keep hands and feet away from the chute area on cutting deck. See figure 13.

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.

WARNING

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

WARNING

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 9.

1. Attach spark plug wire to spark plug.
2. Open fuel shut-off valve, located beneath the fuel tank. See figure 12.
3. Move throttle control lever to CHOKE position.
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 ENGAGE THE BLADE

1. Start engine as instructed above. 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 12.

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 control handle before stopping the engine. If the engine begins to stall, release the blade control handle immediately.

TO STOP

1. The engine is stopped by moving the throttle control lever to STOP position.
2. The blade is stopped by releasing the blade control handle located on the handle.
3. Ground movement is stopped by releasing the drive clutch control, located on the handle.
4. Disconnect spark plug wire from the spark plug and ground to prevent accidental starting while equipment is unattended.
5. Close fuel shut-off valve when unit is not in use to prevent fuel leakage into the carburetor.

NOTE

If any problems are encountered, refer to the Trouble Shooting Chart on page 17.

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 accidently thrown by the mower in any direction and cause serious personal injury to the operator and others.

Appropriate clothing should be worn when cutting brush or heavy weeds. Safety shoes and safety glasses are highly recommended.

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. 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 14.

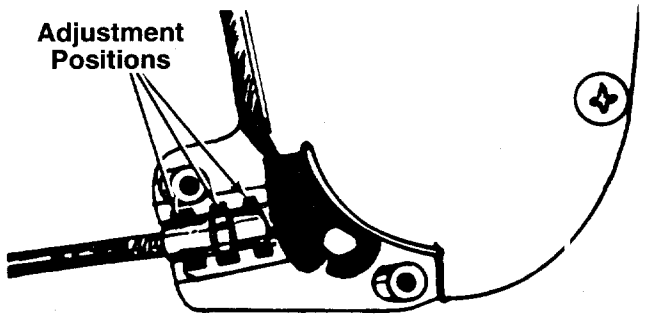


FIGURE 14.

CUTTING HEIGHT ADJUSTMENT

The height adjustment handle is located on the left side of the frame. It is used to raise or lower the deck to one of five cutting heights, from 1" to 3½". Move the handle to the right and then forward or backward to change cutting heights. See figure 15.

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

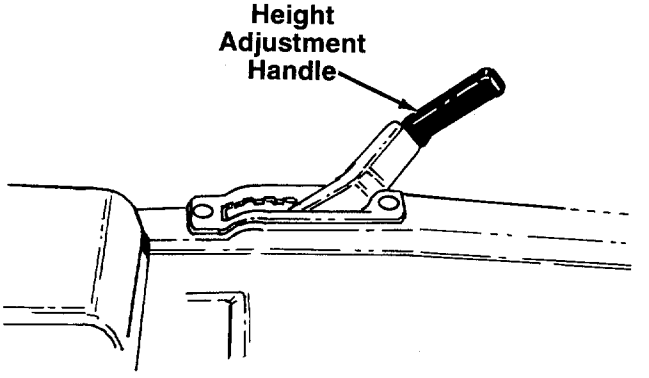


FIGURE 15.

THROTTLE

The throttle control wire assembly can be adjusted if necessary. Loosen the screw on the cable clamp on the engine. Adjust as instructed in step 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 adjustment 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 (counterclockwise).

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.

LUBRICATION

WARNING

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

Wheels—Lubricate the wheel bearings 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.

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

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

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.

Transmission—The transmission is pre-lubricated and sealed at the factory. It does not require checking. If disassembled for any reason, fill with 2 ounces of Alvania grease, part number 737-0168.

Pivot Points—Lubricate all pivot points and linkages at least once a season with light oil.

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 17 of this manual for trouble shooting information.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting. Protect hands by using heavy gloves or a rag to grasp the cutting blade.

1. Remove the large bolt and belleville washer which hold the blade and adapter to the blade spindle. See figure 16.

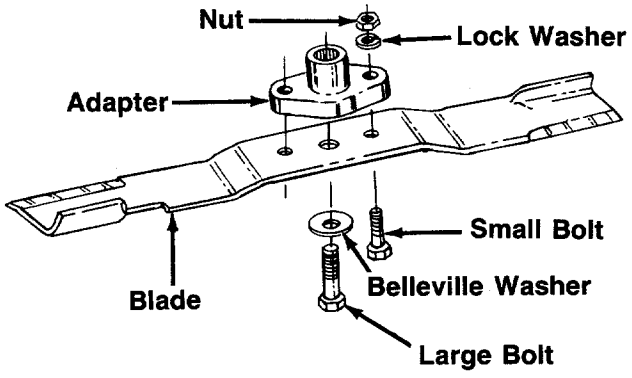


FIGURE 16.

2. Remove the blade and adapter from the spindle.
3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nut which hold the blade to the adapter.

CAUTION

Periodically inspect the blade adapter for cracks, especially if you strike a foreign object. Replace when necessary.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

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.

NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the blade spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

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

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

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 forward or on its side 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.

FUEL FILTER

Your unit is equipped with a replaceable in-line fuel filter. Replace filter whenever contamination or discoloration is noticed. Order replacement filter through your engine authorized service dealer.

ENGINE

Refer to 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 air cleaner, refer to the separate engine manual packed with your mower.

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.

BELT REMOVAL AND REPLACEMENT

Preparation

1. Disconnect the spark plug wire and ground against the engine.
2. Drain the oil and gasoline from the unit.
3. Tip the unit on its left side, and block securely.

Deck Belt

1. Loosen the belt guard shown in figure 17 and move it away from the engine pulley.
2. Roll belt off engine pulley.
3. Remove belt from deck pulley.
4. Reassemble new belt, following instructions in reverse order.

NOTE

Upon reassembly, belt guard must be 1/8" away from engine pulley, and positioned as shown in figure 17.

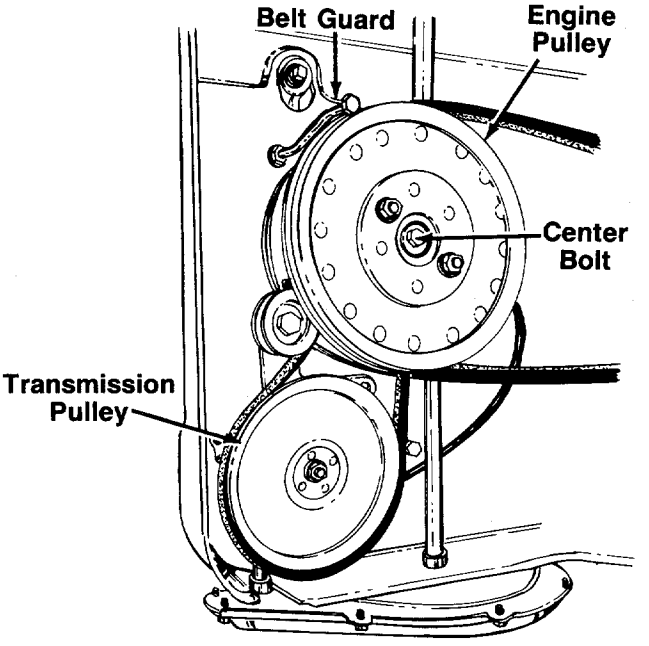


FIGURE 17.

Drive Belt

1. Remove deck belt as instructed in previous section.
2. Remove the engine pulley as follows. See figures 17 and 18.
   a. Remove the air cleaner from the engine.
   b. Remove three screws which secure the blower housing to the engine, and remove the blower housing.
   c. Insert a screwdriver into the notch on the flywheel to keep the crankshaft from turning as you remove the center bolt from the engine pulley. See figure 18.
   d. Pull engine pulley (with clutch/brake housing assembly attached) from the engine crankshaft. Be careful not to lose the two spacers on the crankshaft.

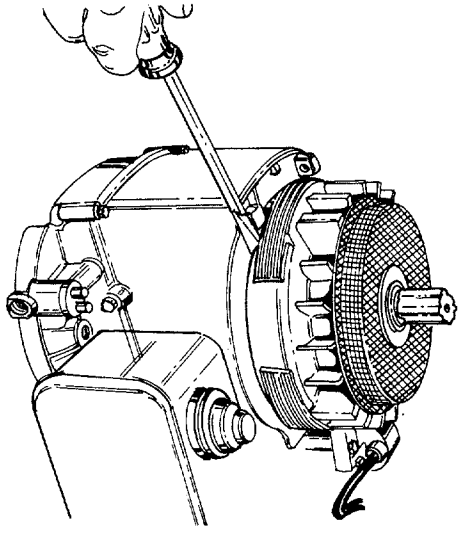


FIGURE 18.

3. Remove the hex bolt (which acts as a belt keeper) shown in figure 19.
4. Remove the belt from between the idler pulley and the weld pin on idler arm.

NOTE

It is necessary to push on the spring-loaded idler pulley so the weld pin can be seen.

5. Pull the belt from inside the brake/clutch. Remove it from the transmission pulley.

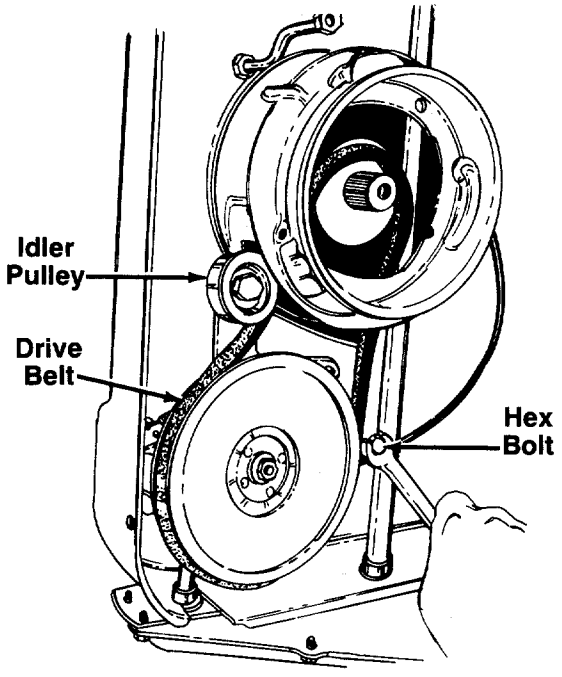


FIGURE 19.

6. Reassemble new drive belt, following instructions in reverse order.

IMPORTANT

Make certain the two spacers are in place on the engine crankshaft between the two pulley halves. Belt must be routed between the two pulley halves.

INSTALLATION OF TIRE TO RIM

WARNING

The following procedure must be followed when removing or installing a tire to the rim.

1. Be sure rim is clean and rust free.
2. Lubricate both the tire and rim generously.
3. Never inflate to over 30 p.s.i. to seat beads. Excessive inflation pressure when seating beads may cause tire/rim assembly to burst with force sufficient to cause serious injury.

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 the bearings and cables.

NOT AVAILABLE

NOTE

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

GRASS CATCHER Model 190-560-000 is available as optional equipment for the mower shown in this manual.

WARNING

1. DO NOT operate the mower without the entire grass catcher or chute deflector in place.
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.

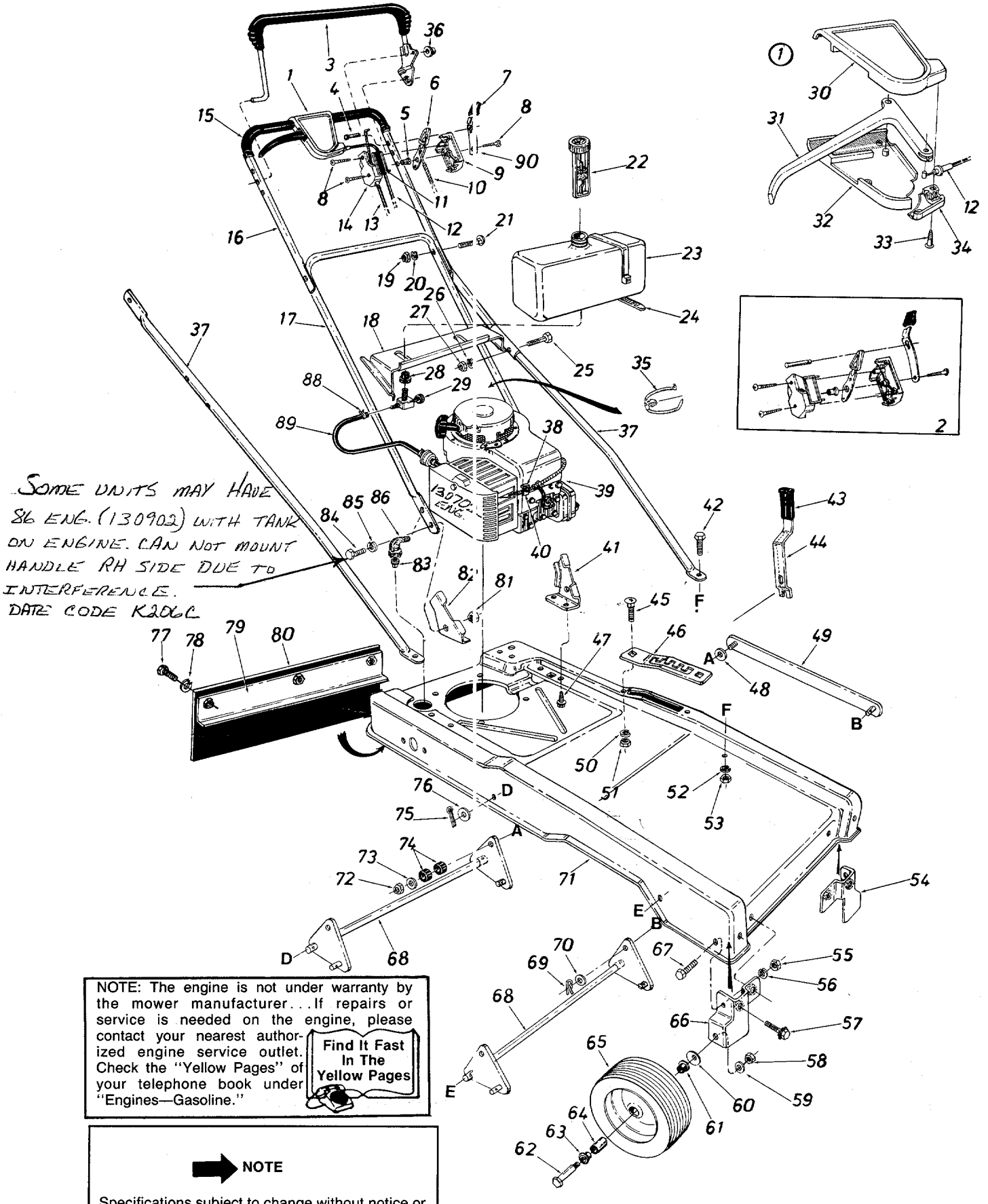
For replacement bags, use only factory authorized replacement bag No. 764-0212.

Trouble Shooting Chart

Symptom	Possible Cause(s)	Corrective Action
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.† C Clean air cleaner.†
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.† C Drain contaminated fuel and fill tank with fresh gas. D Clear vent or replace gas cap. E Adjust carburetor.†
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.† B Adjust to .030". C Adjust carburetor.†
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.† C Clean air cleaner.†
6 Engine overheats	A Carburetor not adjusted properly B Air flow restricted C Engine oil level low	A Adjust carburetor.† B Remove blower housing and clean.† C Fill crankcase with the proper oil.
7 Excessive vibration	A Cutting blade loose or unbalanced B Bent blade	A Tighten blade and adapter. Balance blade. B Replace blade.

†Refer to the separate engine manual packed with your unit.
Note: For repairs beyond the minor adjustments listed above, contact your local authorized service dealer.

Model 560 and 12560



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

NOTE

Specifications subject to change without notice or obligation.

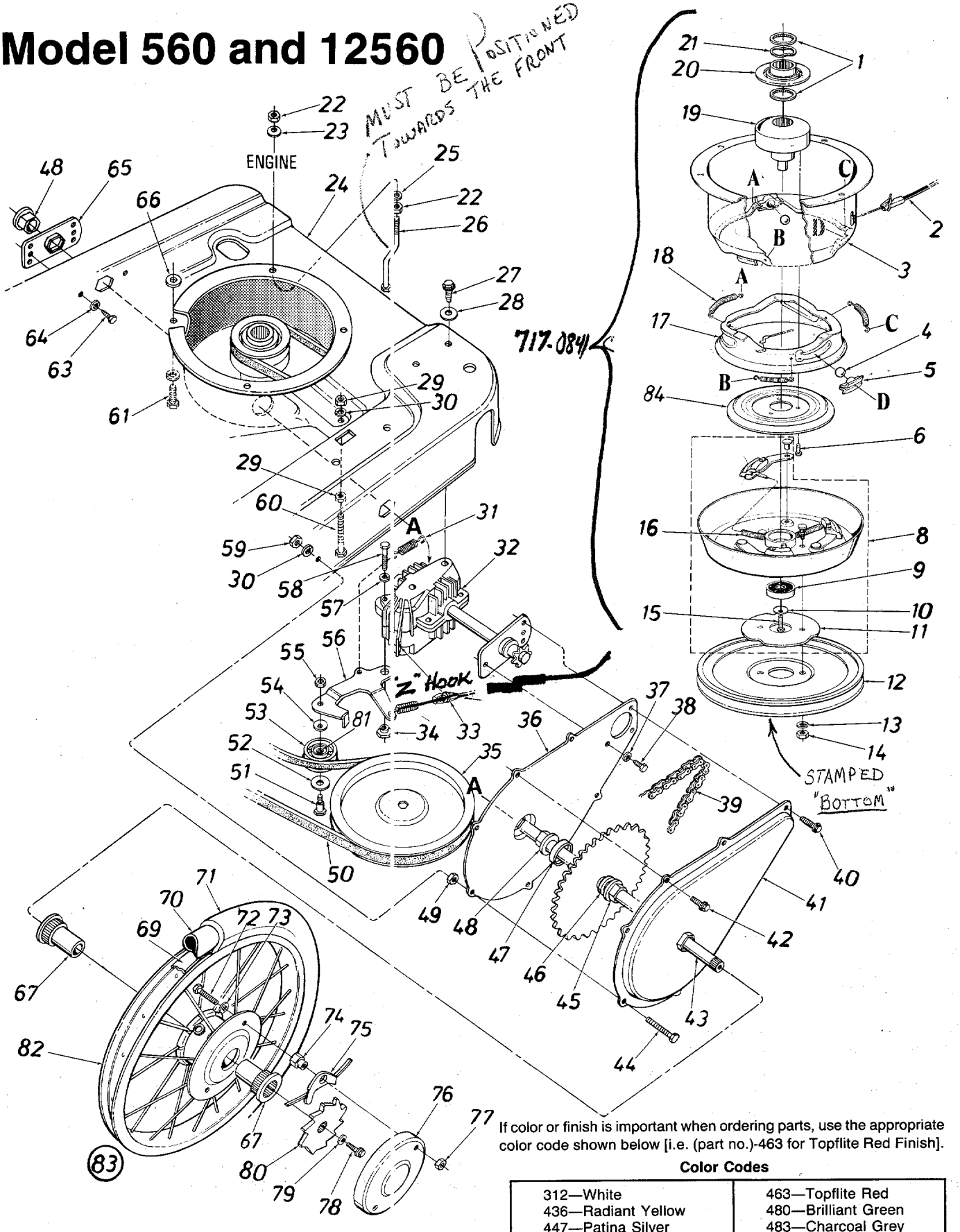
Model 560 and 12560

PARTS LIST FOR MODELS 560 AND 12560 HI-WHEEL SELF-PROPELLED MOWER

EF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	753-0362		Clutch Control Housing Comp.		48	736-0235		Fl-Wash. .406" I.D. x 1.25" O.D.	
2	753-0431		Control Housing Comp.		49	15331		Connecting Link Ass'y.	
3	731-0609		Control Handle Ass'y.		50	736-0119		L-Wash. 5/16" I.D.*	
4	731-0607		Lock Pin		51	712-0267		Hex Nut 5/16-18 Thd.*	
5	731-0524		Control Disc Pin		52	736-0119		L-Wash. 5/16" I.D.*	
6	731-0528		Throttle Control Lever		53	712-0267		Hex Nut 5/16-18 Thd.*	
7	720-0190		Spring Lever Knob		54	10293		Wheel Brk't. Ass'y.—L.H.	
8	710-0796		Truss Mach. Hi-B Tap Scr. #12 x 1.50" Lg.		55	712-0267		Hex Nut 5/16-18 Thd.*	
					56	736-0119		L-Wash. 5/16" I.D.*	
9	731-0817		Control Panel Half		57	710-0198		Hex Sems Bolt 5/16-18 x .75" Lg.	
10	746-0631		Throttle Control Wire 43" Lg. —Yellow		58	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
11	777-5772		Control Label—Throttle		59	736-0169		L-Wash. 3/8" I.D.*	
12	746-0650		Self-Propelled Cable 50" Lg.	N	60	736-0105		Bell-Wash. .400" I.D. x .88" O.D.	
13	746-0400A		Drive Clutch Cable—46" Lg.						
14	731-0816		Clutch Panel Half		61	741-0267		Flanged Ball Brg. 3/8" I.D.	
15	718-0145		Grip 22" Lg.		62	710-0427		Hex Bolt 3/8-16 x 2.00" Lg.*	
16	749-0437		Upper Handle		63	741-0484		Flanged Ball Brg. .501" I.D.	
17	749-0505		Lower Handle		64	750-0434		Spacer .375" I.D. x .505" O.D. x 1" Lg.	
18	14426		Gas Tank Mounting Brk't.						
19	712-0267		Hex Nut 5/16-18 Thd.*		65	734-0644		Wheel Ass'y. Comp. 8 x 1.75	
20	736-0119		L-Wash. 5/16" I.D.*		66	10294		Wheel Brk't. Ass'y.—R.H.	
21	710-0262		Carriage Bolt 5/16-18 x 1.50" Lg.*		67	710-0198		Hex Sems Bolt 5/16-18 x .75" Lg.	
22	723-0155		Gas Gauge 1¾-6 x 5.50" Lg.		68	16497		Lift Brk't. Shaft Ass'y.	
23	751-0225		Gas Tank		69	714-0104		Intern. Cotter Pin 5/16" Dia.	
24	726-0209		Cable Tie 30.6" Lg.		70	736-0300		Fl-Wash. .385" I.D. x .88" O.D.	
25	710-0158		Hex Bolt 5/16-24 x 1.25" Lg.*		71	16505	463	Hi-Wheel Frame	
26	736-0119		L-Wash. 5/16" I.D.*		72	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
27	712-0123		Hex Nut 5/16-24 Thd.*		73	736-0300		Fl-Wash. .385" I.D. x .87" O.D.	
28	735-0149		Bushing—Gas Tank						
29	751-0171		Fuel Shut-Off Valve w/Screen		74	735-0126		Rubber Wash. .33" I.D. x .87" O.D.	
30	731-0617		Control Cover Half—Upper						
31	731-0620		Control Lever		75	714-0115		Cotter Pin 1/8" Dia. x 1" Lg.*	
32	731-0618		Control Cover Half—Lower						
33	710-0841		Flat "C" Sunk Hd. Tap Scr. #10 x .75" Lg.		76	736-0272		Fl-Wash. .510" I.D. x 1.0" O.D.	
34	731-0619		Cable Mounting Cap		77	710-0258		Hex Bolt ¼-20 x .62" Lg.*	
35	726-0240		Cable Tie		78	736-0329		L-Wash. ¼" I.D.*	
36	726-0245		Push Cap	N	79	16563		Retaining Strip Ass'y. 2" x 15" Lg.	
37	749-0697		Strut .75" O.D. x 43.44" Lg.						
38	710-0436		Hex Sems Scr. #10-32 x .62" Lg.		80	731-0811		Rear Flap 7.5 x 20" Lg.	
					81	712-0342		Hex Nut 3/8-16 Thd.*	
39	—		Engine—5 H.P.		82	12578		Handle Mount Brk't.	
40	751-0442		Casing Clamp		83	—		Part of Engine	
41	12577		Handle Mount Brk't.—L.H.		84	710-0216		Hex Bolt 3/8-16 x .75" Lg.*	
42	710-0118		Hex Bolt 5/16-18 x .75" Lg.*		85	736-0169		L-Wash. 3/8" I.D.*	
43	720-0142		Grip—Black		86	737-0125		90 Deg. Elbow Male to Female 3/8	
44	15342		Lift Handle						
45	710-0260		Carriage Bolt 5/16-18 x .62" Lg.*		88	726-0207		Hose Clamp—.406" Dia.	
					89	751-0173		Fuel Line 15" Lg.	
46	16507		Lift Handle Support Brk't.	N	90	732-0401		Lockout Lever	
47	710-0603		Hex Wash. Hd. B-Tap Scr. 5/16-18 x .50						

*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.

Model 560 and 12560



If color or finish is important when ordering parts, use the appropriate color code shown below [i.e. (part no.)-463 for Topflite Red Finish].

Color Codes

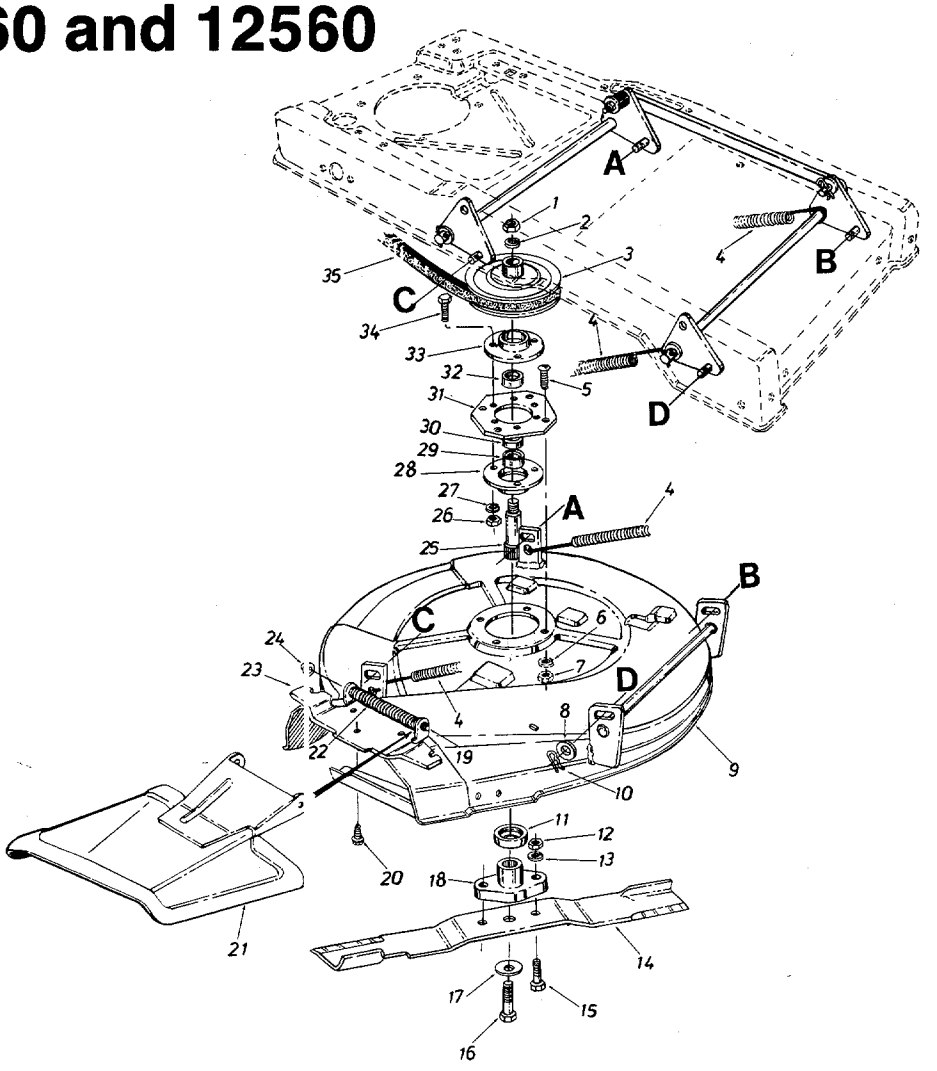
312—White	463—Topflite Red
436—Radiant Yellow	480—Brilliant Green
447—Patina Silver	483—Charcoal Grey
452—Black	499—Beige
456—Radiant Tangerine	606—Majestic Orange
460—Green Flake	629—Silver Flake

Model 560 and 12560

PARTS LIST FOR MODELS 560 AND 12560 HI-WHEEL SELF-PROPELLED MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	736-0409		Washer 1.0" I.D. x 1.2" O.D.	
2	746-0400A		BBC Clutch Cable 46" Lg.	
	16509		—Black	
3	16509		Clutch Housing	
4	741-0326		Steel Ball .500" Dia.	
5	731-0520		Ball Block	
6	710-~~0875~~ 0599		Hex Wash. ~~Hd.~~ -Tap Scr. ¼-20 x .50" Lg.	
8	16508		Clutch Blade Housing Ass'y.	
9	741-0124		Ball Brg. .669" I.D. x 1.574" O.D.	
10	736-0412		Bell-Wash. .44" I.D. x .87" O.D.	
11	14302		Blade Disc.	
12	756-0483		5/8 "V"-Pulley 1.58" I.D. x 8.0" O.D.	
13	736-0169		L-Wash. 3/8" I.D.*	
14	712-0328		Hex Nut 3/8-24 Thd.*	
15	710-1002		Hex Bolt 7/16-20 x 2.0" Lg.—Gr. 5	
16	732-0527		Comp. Spring .33" O.D. x 2.05" Lg.	
17	14305		Brake Cup Cone	
18	732-0545		Extension Spring .35" O.D. x 1.80" Lg.	
19	756-0504		Fixed Pulley MBC Adapter	N
20	756-0503		Movable Pulley Half	N
21	736-0408		Wave Wash. .164 High x 1.005" I.D.	
22	712-0267		Hex Nut 5/16-18 Thd.*	
23	736-0242		Bell-Wash. .336" I.D. x .860" O.D.	
24	16505	463	Hi-Wheel Frame	
25	736-0119		L-Wash. 5/16" I.D.*	
26	710-0973		Belt Guard 5/16" Bolt	
27	710-0603		Hex Wash. Hd. B-Tap Scr. 5/16-18 x .50" Lg.	
28	736-0219		Bell-Wash. .378" I.D. x 1.110" O.D.	
29	712-0287		Hex Nut ¼-20 Thd.*	
30	736-0329		L-Wash. ¼" I.D.*	
31	732-0357		Extension Spring .33" I.D. x 1.12" Lg.	
32	717-0417		Transmission Comp. (See Breakdown)	
33	746-0650		Self-Propelled Cable x 50" Lg.—Black "Z" Hook	N
34	738-0440		Shld. Spacer .375" Dia. x .170	
35	756-0330		Fl-Pulley 5.06" O.D.	
36	16504		45 Tooth Chain Cover	
37	736-0329		L-Wash. ¼" I.D.*	
38	710-0352		Hex B-Tap Scr. ¼ x .38" Lg.	
39	713-0257		#48 Chain .500" Pitch x 52 Links	
0	710-0599		Hex Wash. TT-Tap Scr. ¼-20 x .50" Lg.	
41	16503		45 Tooth Chain Case	
42	710-0352		Hex B-Tap Scr. ¼ x .38" Lg.	
43	713-0402		Rear Axle Ass'y. 26.82" Lg.	
44	710-0281		Hex Bolt ¼-28 x .88" Lg.	
45	741-0481		Hex Flange Brg. .631" I.D. x .320	
46	736-0256		Fl-Wash. .635" I.D. x 1.0" O.D.	
47	748-0313		Spacer .630" I.D. x 1.250" O.D.	
48	741-0413		Hex Flange Brg. .631" I.D. x .720	
49	712-0314		Hex Jam Nut ¼-28 Thd.	
50	754-0327		"V"-Belt	
51	738-0691		Shld. Bolt .375" Dia. x .400 Lg.	
52	736-0344		Fl-Wash. .390" I.D. x 1.00" O.D.	
53	756-0447		Fl-Idler Plastic 1.50" Dia. x .48	
54	736-0270		Bell-Wash. .265" I.D. x .75" O.D.	
55	712-0138		Hex Patch L-Nut ¼-28 Thd.	
56	16502		Idler Brk't. Ass'y.	N
57	736-0722		L-Wash. #10	
58	710-0106		Hex Bolt ¼-20 x 1.25" Lg.*	
59	712-0138		Hex Nut ¼-28 Thd.	
60	710-0501		Hex Bolt ¼-20 x 2.00" Lg.*	
61	710-0654		Hex Wash. Hd. TT-Tap Scr. 3/8-16 x 1.0" Lg.	
63	710-0352		Hex B-Tap Scr. ¼ x .38" Lg.	
64	736-0329		L-Wash. ¼" I.D.*	
65	16500		Hex Bearing Cup	
66	736-0185		Fl-Wash. .406" I.D. x .734" O.D.	
67	741-0485		Flange Bearing .630" I.D. x 2.83" Lg.	
69	734-1400		Rimstrip 16 x 7/8	
70	734-1397		Inner Tube 16 x 2.12	
71	734-1396		Chevron Tire 16 x 2.125	
72	710-0376		Hex Bolt Special 5/16-18 x 1.0" Lg.	
73	736-0104		Intern. L-Wash. 5/16" I.D.	
74	712-0329		Special Hex Nut 5/16-18 Thd.	
75	748-0315		Pawl and Spring Ass'y.	
76	14967		Wheel Cover 4.75" I.D.	
77	712-0267		Hex Nut 5/16-18 Thd.*	
78	710-0782		Hex Wash. Hd. Self-Tap Screw ¼" x ¾" Lg.	
79	736-0270		Bell-Wash. .265" I.D. x .75" O.D.	
80	748-0312		Wheel Ratchet 2.92" O.D.	
81	741-0482		Needle Brg. .375" x .31"	
82	734-1399		Rim Ass'y. Only 16.0" x 2.1	
83	734-1398		Wheel Ass'y. Comp. 16 x 2.12	
84	14304		Clutching Cone	

Model 560 and 12560

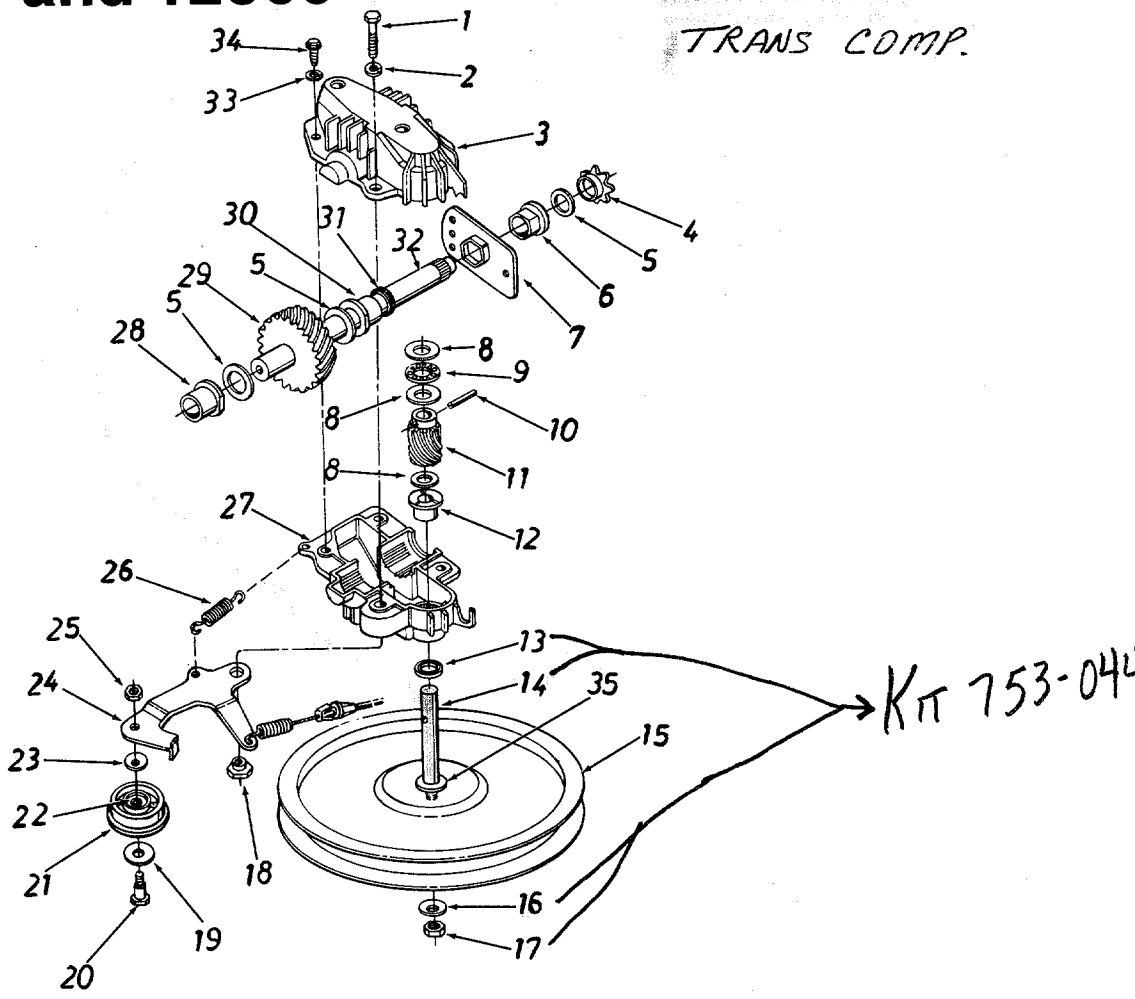


PARTS LIST FOR MODELS 560 AND 12560 HI-WHEEL SELF-PROPELLED MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0318		Hex Jam Nut 5/16-18 Thd.		19	711-0571		Hinge Pin	
2	736-0317		Bell-Wash. .630" I.D. x 1.25" O.D.		20	710-0599		Hex Wash. Hd. TT-Scr. ¼-20	
					21	11571		Chute Cover Ass'y.	
3	756-0484		5/8" "V"-Pulley .75" I.D. x 9.5"		22	732-0261		Torsion Spring	
					23	11396		Adapter Plate	
4	732-0529		Extension Spring .56" O.D. x 10.5		24	726-0106		Cap Speed Nut ¼" Rod	
					25	738-0578		Blade Spindle 4.42" Lg.	
5	710-0118		Hex Bolt 5/16-18 x .75" Lg.*		26	712-0267		Hex Nut 5/16-18 Thd.*	
6	736-0119		L-Wash. 5/16" I.D.*		27	736-0119		L-Wash. 5/16" I.D.*	
7	712-0267		Hex Nut 5/16-18 Thd.*		28	08253		Bearing Housing 1.85	
8	736-0272		Fl-Wash. .510" I.D. x 1.0" O.D.			741-0163		Brg. Hsg. Ass'y. (Incl. Ref. No. 29)	
9	16499	463	26" Deck Ass'y.		29	741-0919		Ball Brg. .787" I.D. x 1.85" O.D.	
10	714-0101		Inter. Cotter Pin ½" Dia.						
11	13703		Bearing Shield		30	750-0456		Spacer 1.0" O.D. x .790" I.D. x .350" Lg.	
12	712-0123		Hex Nut 5/16-24 Thd.*						
13	736-0119		L-Wash. 5/16" I.D.*		31	16490		Spindle Mounting Plate	
14	742-0147		Blade 26"		32	741-0919		Ball Brg. .787" I.D. x 1.85" O.D.	
15	710-0888		Hex Bolt Special 5/16-24 x 1.0" Lg.		33	15296		Open Brg. Housing 1.85	
16	710-0152		Hex Bolt 3/8-24 x 1.00" Lg.			15297		Brg. Hsg. Ass'y. (Incl. Ref. No. 32)	
17	736-0356		Bell-Wash. .391" I.D. x 1.38" O.D.		34	710-0118		Hex Bolt 5/16-18 x .75" Lg.*	
18	748-0300		Blade Adapter		35	754-0326		"V"-Belt	

Model 560 and 12560

717-0417
TRANS COMP.



PARTS LIST FOR MODELS 560 AND 12560 HI-WHEEL SELF-PROPELLED MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART	REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	710-0106		Hex Bolt ¼-20 x 1.25" Lg.*		18	738-0440		Shld. Spacer .375" Dia. x .170†	
2	736-0329		L-Wash. ¼" I.D.*						
3	717-0418		Upper Transmission Hsg. Half		19	736-0344		Fl-Wash. .390" I.D. x 1.0" O.D.†	
4	713-0400		#48 Sprocket 7 Tooth x ½ Pitch		20	738-0691		Shld. Bolt .375" Dia. x .40"†	
					21	756-0447		Fl-Idler Plastic 1.50" Dia. x .48†	
5	736-0336		Fl-Wash. 5/8" I.D. x .030						
6	741-0413		Hex Flange Brg. .631" I.D.		22	741-0482		Needle Brg. .375" x .31†	
7	16500		Hex Bearing Cup		23	736-0270		Bell-Wash. .265" I.D. x .75" O.D.†	
8	736-0314		Thrust Wash. .382" I.D. x .70" O.D.		24	16502		Idler Brk't. Ass'y.†	N
9	741-0479		Thrust Bearing .375" I.D. x .812" O.D.		25	712-0138		Hex Patch L-Nut ¼-28 Thd.†	
					26	732-0357		Extension Spring 1.12" Lg.†	
10	715-0152		Spring Pin Spir. 1/8" x .62" Heavy		27	717-0419		Lower Transmission Hsg. Half	
					28	741-0415		Flange Bearing .566 Dia.	
11	717-0420		11 Tooth Helical Gear		29	717-0422		33 Tooth Helical Gear	
12	748-0208		Flange Bearing		30	741-0414		Flange Bearing .629 Dia.	
13	721-0212		Oil Seal		31	721-0213		Oil Seal .625 Dia.	
14	738-0708		Pulley-Transmission Shaft .375 O.D.		32	738-0607		Gear Sprocket Shaft	
					33	736-0722		L-Wash. #10	
15	756-0330		Fl-Pulley 5.06" O.D.†		34	710-0436		Hex B-Tap Scr. #10 x .62"	
16	736-0270		Bell-Wash. .265" I.D. x .75" O.D.†		35	736-0410		Hex Washer .26" x .88" x .04"†	N
17	712-0138		Hex Lock Nut ¼-28 Thd.†		—	717-0417		Transmission Comp.	

†Not Part of Transmission Complete

MTD PRODUCT INC ..... **YaRD-MaN COMPANY**

P.O. BOX 36900 • CLEVELAND, OHIO 44136