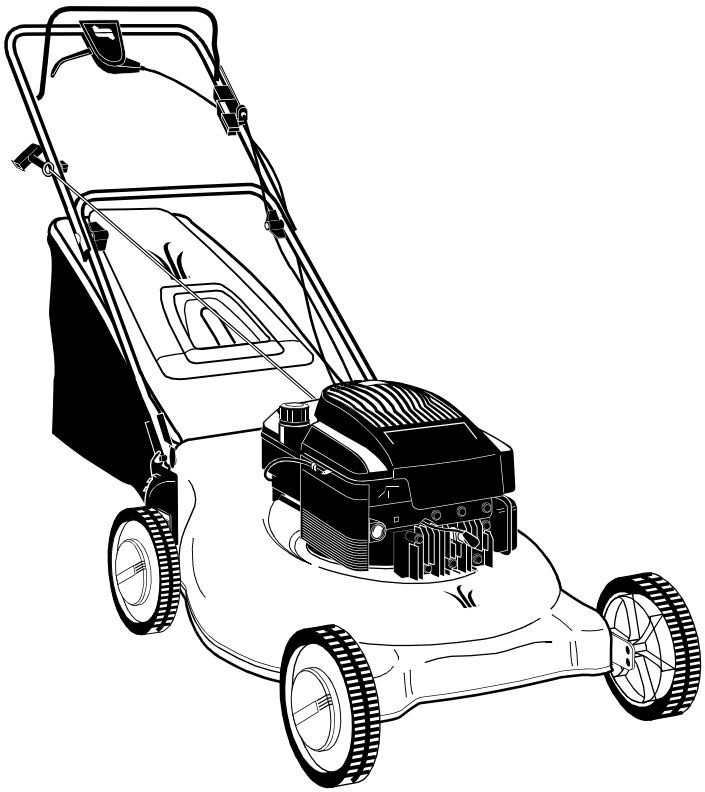
OPERATOR'S MANUAL



Model Series
370 - 389
Rotary Mowers

IMPORTANT: Read safety rules and instructions carefully before operating equipment.

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 dealer or contact the service department, P.O. Box 368022 Cleveland, Ohio 44136-9722.

MTD PRODUCTS INC. P.O. BOX 368022 CLEVELAND, OHIO 44136-9722

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FINDING MODEL NUMBER

This Operator's Manual is an important part of your new Lawn Mower. It will help you assemble, prepare and maintain the unit for best performance. Please read and understand what it says.



Before you start assembling your new equipment, please locate the model plate on the equipment and copy the information from it in the space provided below. The information on the model plate is very important if you need help from our Customer Support Department or an authorized dealer.

- You can locate the model number by standing behind the unit and looking at the rear of the deck. A sample model plate is explained below. For future reference, please copy the model number and the serial number of the equipment in the space below.

(Model Number) (Serial Number)

MTD PRODUCTS INC
P.O. BOX 368022
CLEVELAND, OHIO 44136

Copy the model number here: _____

Copy the serial number here: _____

CALLING CUSTOMER SUPPORT

If you have difficulty assembling this product or have any questions regarding the controls, operation or maintenance of this unit, please call the Customer Support Department.



Call **1- (330) 220-4MTD** (4683) or **1- (800)-800-7310** to reach a Customer Support representative. Please have your unit's model number and serial number ready when you call. See previous section to locate this information. You will be asked to enter the serial number in order to process your call.

For more details about your unit, visit our website at www.mtdproducts.com

SECTION 1: IMPORTANT SAFE OPERATION PRACTICES



WARNING: 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 this machine. Failure to comply with these instructions may result in personal injury. When you see this symbol—HEED ITS WARNING.



WARNING: The Engine Exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



DANGER: This machine 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. This machine is capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions could result in serious injury or death.

GENERAL OPERATION

1. Read this operator's manual carefully in its entirety before attempting to assemble this machine. Read, understand, and follow all instructions on the machine and in the manual(s) before operation. 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. This machine is a precision piece of power equipment, not a plaything. Therefore, exercise extreme caution at all times. Your unit has been designed to perform one job: to mow grass. Do not use it for any other purpose.
3. Never allow children under 14 years old to operate this machine. Children 14 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by a parent. Only responsible individuals who are familiar with these rules of safe operation should be allowed to use this machine.
4. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones, toys and other foreign objects which could be tripped over or picked up and thrown by the blade. Thrown objects can cause serious personal injury. Plan your mowing pattern to avoid discharge of material toward roads, sidewalks, bystanders and the like. Also, avoid discharging material against a wall or obstruction which may cause discharged material to ricochet back toward the operator.
5. To help avoid blade contact or a thrown object injury, stay in the operator zone behind the handles and keep children, bystanders, helpers and pets at least 75 feet from the mower while it is in operation. Stop machine if anyone enters the area.
6. Always wear safety glasses or safety goggles during operation and while performing an adjustment or repair to protect your eyes. Thrown objects which ricochet can cause serious injury to the eyes.
7. Wear sturdy, rough-soled work shoes and close-fitting slacks and shirts. Shirts and pants that cover the arms and legs and steel-toed shoes are recommended. Never operate this machine in bare feet, sandals, slippery or light weight (e.g. canvas) shoes.
8. Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade can amputate hands and feet.
9. A missing or damaged discharge cover can cause blade contact or thrown object injuries.
10. Many injuries occur as a result of the mower being pulled over the foot during a fall caused by slipping or tripping. Do not hold on to the mower if you are falling; release the handle immediately.
11. Never pull the mower back toward you while you are walking. If you must back the mower away from a wall or obstruction first look down and behind to avoid tripping and then follow these steps:
    a. Step back from the mower to fully extend your arms.
    b. Be sure you are well balanced with sure footing.
    c. Pull the mower back slowly, no more than half way toward you.
    d. Repeat these steps as needed.
12. Do not operate the mower while under the influence of alcohol or drugs.
13. Do not engage the self-propelled mechanism on units so equipped while starting engine.
14. 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 and automatically return to the disengaged position when released.
15. Never operate the mower in wet grass. Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your footing, release the blade control handle immediately and the blade will stop rotating within three seconds.
16. Mow only in daylight or in good artificial light. Walk, never run.
17. Stop the blade when crossing gravel drives, walks or roads.
18. If the equipment should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.

19. 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.
20. Never operate mower without proper trail shield, discharge cover, grass catcher, blade control handle or other safety protective devices in place and working. Never operate mower with damaged safety devices. Failure to do so, can result in personal injury.
21. Muffler and engine become hot and can cause a burn. Do not touch.
22. Only use parts and accessories made for this machine by the manufacturer. Failure to do so, can result in personal injury.
23. If situations occur which are not covered in this manual, use care and good judgment. Contact your dealer for assistance. Telephone 1-800-800-7310 for the name of your nearest dealer.

Slope Operation

Slopes are a major factor related to slip and fall accidents which can result in severe injury. Operation on slopes requires extra caution. If you feel uneasy on a slope, do not mow it. 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 degrees, do not mow it.

Do:

1. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, rocks, hidden objects, or bumps which can cause you to slip or trip. Tall grass can hide obstacles.
3. Always be sure of your footing. A slip and fall can cause serious personal injury. If you feel you are losing your balance, release the blade control handle immediately, and the blade will stop rotating within 3 seconds.

Do Not:

1. Do not mow near drop-offs, ditches or embankments, you could lose your footing or balance.
2. Do not mow slopes greater than 15 degrees as shown on the slope gauge.
3. Do not mow on wet grass. Unstable footing could cause slipping.

Children

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the mower and the mowing activity. They do not understand the dangers. Never assume that children will remain where you last saw them.

1. Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
2. Be alert and turn mower off if a child enters the area.
3. Before and while moving backwards, look behind and down for small children.
4. Use extreme care when approaching blind corners, doorways, shrubs, trees, or other objects that may obscure your vision of a child who may run into the mower.
5. Keep children away from hot or running engines. They can suffer burns from a hot muffler.
6. Never allow children under 14 years old to operate a power mower. Children 14 years old and over should read and understand the operation instructions and safety rules in this manual and should be trained and supervised by a parent.

Service

Safe Handling Of Gasoline:

1. To avoid personal injury or property damage use extreme care in handling gasoline. Gasoline is extremely flammable and the vapors are explosive. Serious personal injury can occur when gasoline is spilled on yourself or your clothes which can ignite.
2. Wash your skin and change clothes immediately.
3. Use only an approved gasoline container.
4. Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground away from your vehicle before filling.
5. When practical, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.
6. Keep the nozzle in contact with the rim of the fuel tank or container opening at all times until fueling is complete. Do not use a nozzle lock-open device.
7. Extinguish all cigarettes, cigars, pipes and other sources of ignition.
8. Never fuel machine indoors because flammable vapors will accumulate in the area.
9. Never remove gas cap or add fuel while the engine is hot or running. Allow engine to cool at least two minutes before refueling.
10. Never over fill fuel tank. Fill tank to no more than ½ inch below bottom of filler neck to provide space for fuel expansion.
11. Replace gasoline cap and tighten securely.
12. If gasoline is spilled, wipe it off the engine and equipment. Move unit to another area. Wait 5 minutes before starting the engine.
13. Never store the machine or fuel container inside where there is an open flame, spark or pilot light as on a water heater, space heater, furnace ,clothes dryer or other gas appliances.
14. To reduce fire hazard, keep mower free of grass, leaves, or other debris build-up. Clean up oil or fuel spillage and remove any fuel soaked debris.
15. Allow a mower to cool at least 5 minutes before storing.

General Service:

1. Never run an engine indoors or in a poorly ventilated area. Engine exhaust contains carbon monoxide, an odorless and deadly gas.

2. Before cleaning, repairing, or inspecting, make certain the blade and all moving parts have stopped. Disconnect the spark plug wire and ground against the engine to prevent unintended starting.
   - Check the blade and engine mounting bolts at frequent intervals for proper tightness. Also, visually inspect blade for damage (e.g., bent, cracked, worn) Replace blade with the original equipment manufacture's (O.E.M.) blade only, listed in this manual. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
3. Mower blades are sharp and can cut. Wrap the blade or wear gloves, and use extra caution when servicing them.
4. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
5. Never tamper with safety devices. Check their proper operation regularly.
6. After striking a foreign object, stop the engine, disconnect the spark plug wire and ground against the engine. Thoroughly inspect the mower for any damage. Repair the damage before starting and operating the mower.
7. Never attempt to make a wheel or cutting height adjustment while the engine is running.
8. Grass catcher components, discharge cover, and trail shield are subject to wear and damage which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace immediately with original equipment manufacturer's (O.E.M.) parts only, listed in this manual. "Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!"
9. Do not change the engine governor setting or overspeed the engine. The governor controls the maximum safe operating speed of the engine.
10. Maintain or replace safety and instruction labels, as necessary.
11. Observe proper disposal laws and regulations. Improper disposal of fluids and materials can harm the environment.

Your Responsibility

- Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.





SECTION 2: SLOPE GAUGE

Use this page as a guide to determine slopes where you may not operate safely. **Do not operate** your lawn mower on such slopes.

WARNING

Do not mow on inclines with a slope in excess of 15 degrees (a rise of approximately 2-1/2 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.

SECTION 3: UNPACKING INSTRUCTIONS

Remove Unit From Carton

IMPORTANT: This unit is shipped WITHOUT GASOLINE or OIL in the engine. Be certain to service the engine with gasoline and oil as instructed in the separate engine manual before operating your mower.

NOTE: *Reference to the right or left hand side of the mower is observed from the operating position.*

- Remove staples, break glue on the top flaps, or cut the tape at carton end and peel along top flap to open the carton.
- Remove any loose parts included with the unit (i.e., operator's manual, etc.).
- Cut the corners and lay the carton down flat.
- Remove packing material.

Roll or slide the unit out of carton. Check the carton thoroughly for loose parts.

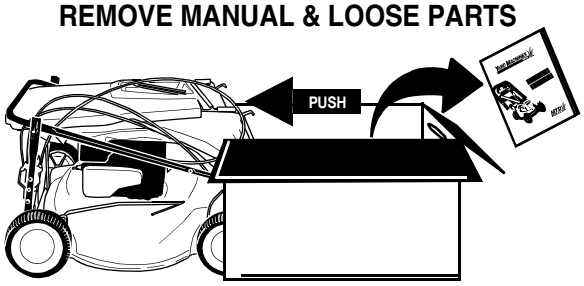


Figure 1

Disconnect Spark Plug Wire

Before setting up your lawn mower, disconnect the spark plug wire from the spark plug. Ground it against the engine by attaching the rubber boot to a bolt or the metal clip to the retaining post or the V-slot on the engine. Refer to Figure 2.

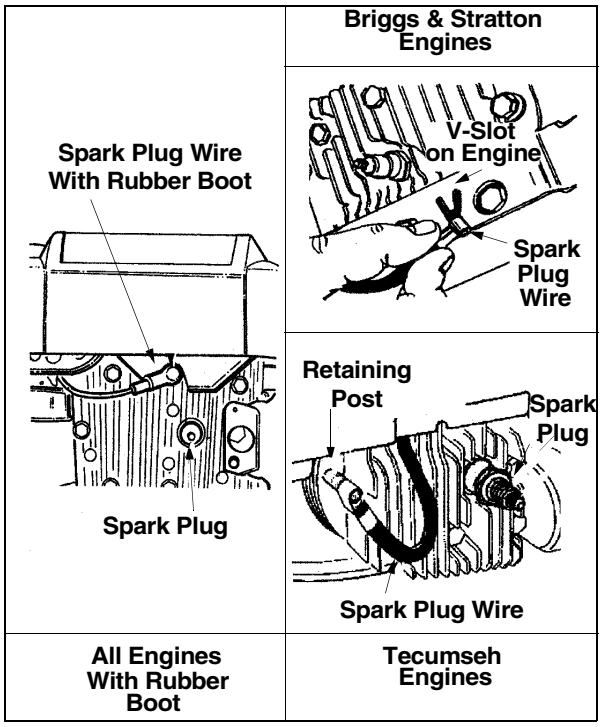


Figure 2

SECTION 4: ASSEMBLING YOUR LAWN MOWER

This guide covers models 370 - 379 single speed self propelled mowers and 380 - 389 six speed self propelled mowers. Much of this guide pertains to both models. However, there are some areas where only one model is covered. Use only the information that is appropriate for your model.

Items Required For Assembly

- Pair of Pliers (Not necessary, but helpful)
- Motor Oil
- Fresh Gasoline

Assembling Your Lawn Mower

Complete the following steps to assemble your lawn mower:

- Remove the grass bag from the unit and set it aside.
- Lift the upper handle. Align it with the lower handle. Refer to Figure 3.

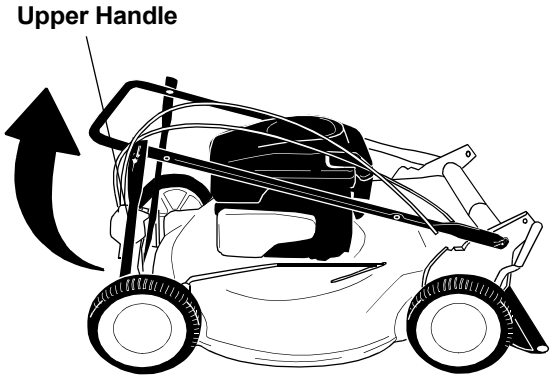


Figure 3

- Tighten the wing nuts as shown in Figure 4.

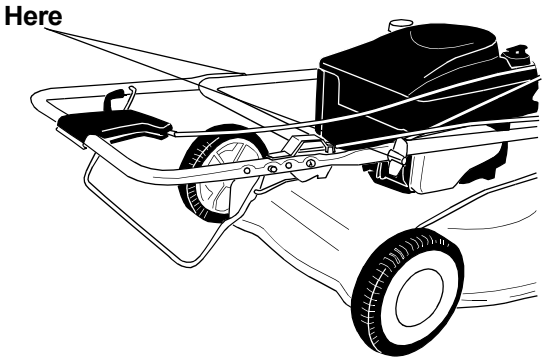


Figure 4

- Raise the handle assembly until it clicks into place. Make sure not to kink the control cables. Refer to Figure 5.

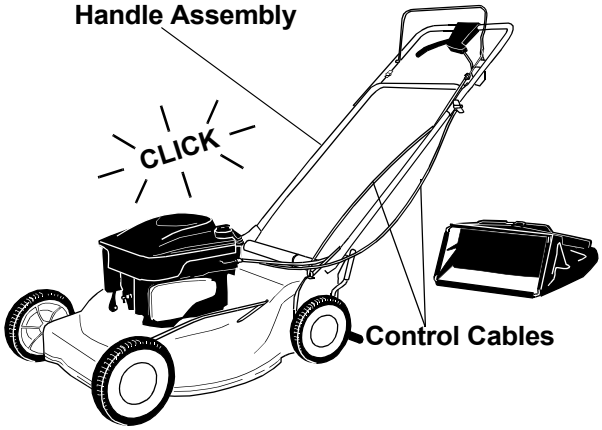


Figure 5

- Pinch the lower handle against the handle mounting bracket using pliers.
- Move the hairpin clip from the outer to the inner hole on the handle mounting bracket as shown in Figure 6.

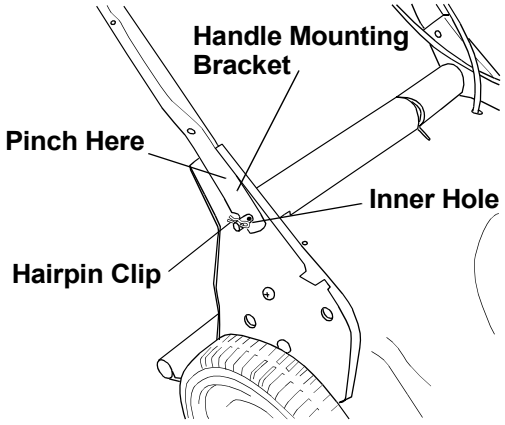


Figure 6

- Insert post of cable ties that are on the lower handle into the holes provided on the lower handle. The holes may be on the inside or outside. Pull cable ties tight and cut off the extra. See Figure 7.



Figure 7

- Loosen the wing nut holding the rope guide to the upper handle
- Squeeze the blade control handle against the upper handle and pull starter rope out slowly. Refer to Figure 8.
- Thread the recoil starter rope into the rope guide.
- Tighten the wing nut. See Figure 8.

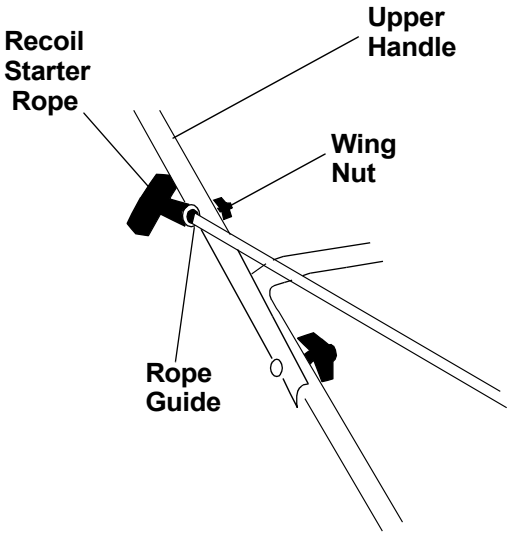


Figure 8

SECTION 5: KNOW YOUR LAWN MOWER

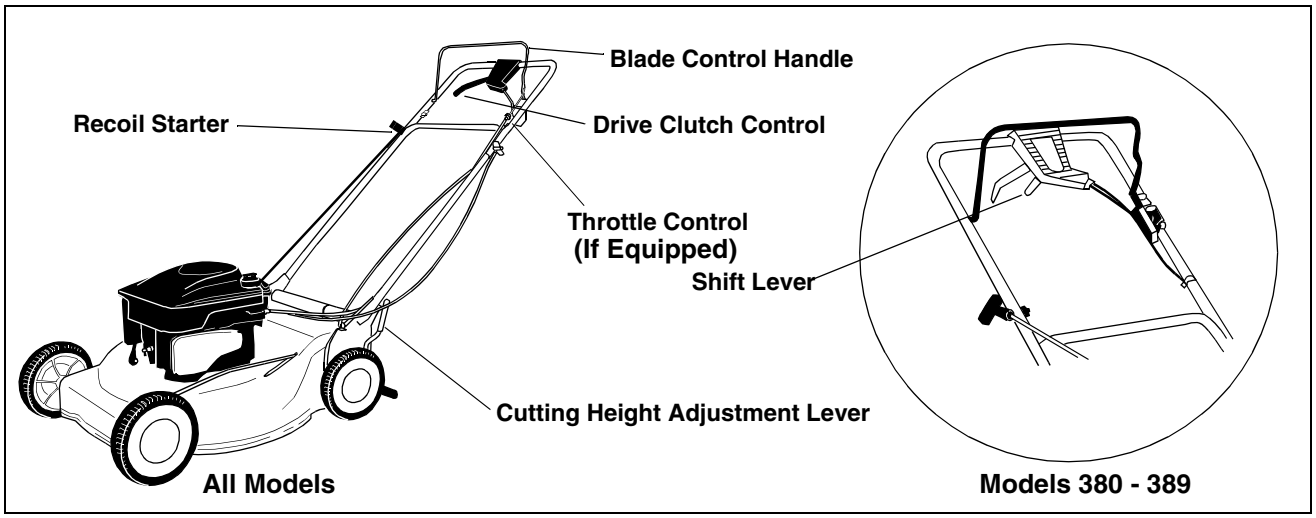


Figure 9

Read this operator's manual and safety rules before operating your lawn mower. Compare the illustration in Figure 9 with your lawn mower to familiarize yourself with the location of various controls and adjustments. Save this manual for future reference.

The operation of any lawn mower can result in foreign objects being thrown into the eyes, which can damage your eyes severely. Always wear safety glasses while operating the mower, or while performing any adjustments or repairs

Engine Controls

See the engine manual for the location and function of the controls located on the engine.

Blade Control Handle

The blade control handle is located on the upper handle of the mower as shown in Figure 9. The blade control handle must be depressed in order to start and operate the unit. Release the blade control handle to stop the engine and blade.

WARNING: The blade control handle is a safety device. Never attempt to bypass its operations.

Throttle Control (If Equipped)

Your unit may be equipped with 1 of 3 throttle controls. Follow the instructions which pertains to your unit.

- The throttle control is located on the left side of the upper handle. It is used to regulate the engine speed.
- The throttle control is located on the engine. It is used to regulate the engine speed.
- Your engine is equipped with a constant speed throttle, which is set at full throttle for best performance.

WARNING: The throttle control cannot be used to stop the engine. If your throttle control is located on the engine, do not attempt to adjust the throttle control with the engine running.

Recoil Starter

The recoil starter handle is attached to the upper handle. Refer to Figure 9. Stand behind the unit in the operating position to start the unit.

Drive Clutch Control

Squeezing the drive clutch control engages the drive system. Releasing the clutch control disengages the drive system. Release the clutch control to slow down when negotiating an obstacle, making a turn, or stopping.

Shift Lever (Models 380 - 389)

The shift lever is located on the drive clutch control housing on the upper handle. See Figure 9. This lever is used to select the forward speed of the mower. When changing your speed selection, release the drive clutch control.

NOTE: *Only move the shift lever when the engine is running. Changing the shift lever setting with the engine off can cause damage to the mower.*

Cutting Height Adjustment Lever

The cutting height adjustment lever is located above the left rear wheel. To adjust the cutting height, pull the lever out and away from the mower and then move it forward or back for a new cutting height as shown in Figure 10.

NOTE: *For rough or uneven lawns, move the height adjustment lever to a higher position. This will help prevent the scalping of grass.*

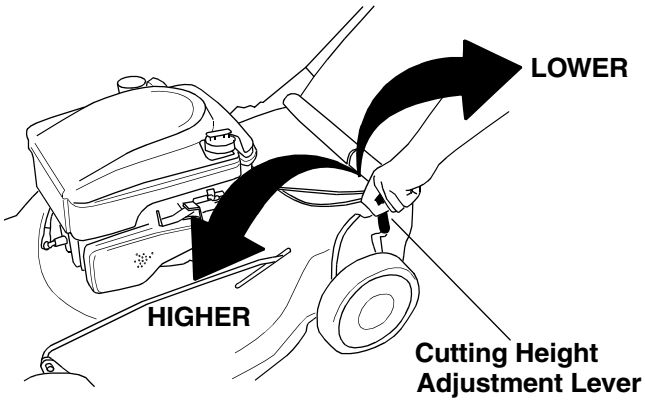


Figure 10

SECTION 6: OPERATING YOUR LAWN MOWER

WARNING: Keep hands and feet away from the chute area on cutting deck. The operation of any lawn mower can result in foreign objects being thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields.

NOTE: *For shipping purposes your mower is set with the wheels in a low cutting height position. For best results raise the cutting height to a higher position until it is determined which height is best for your lawn.*

Gas And Oil Fill-up

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

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

Before Starting Your Mower

Check for proper drive clutch operation by performing the following procedure before starting the engine:

- With the drive clutch control released, push the mower forward. It should move freely. Pull the mower backward. It should move with only a small amount of resistance.
- If the rear wheels tend to lock up, the drive clutch control may not be releasing completely. Do not start the engine until corrections have been made by completing the *Drive Clutch Control Adjustment* found in the *Adjustments* section.
- Check the drive cable for severe bends, kinks, or binding. Also check for grass build-up around the belt.

Starting the Engine

- **(Model 378Q only)** Make sure that the fuel valve lever found on the left side of the engine is in the ON position as noted in Figure 11.

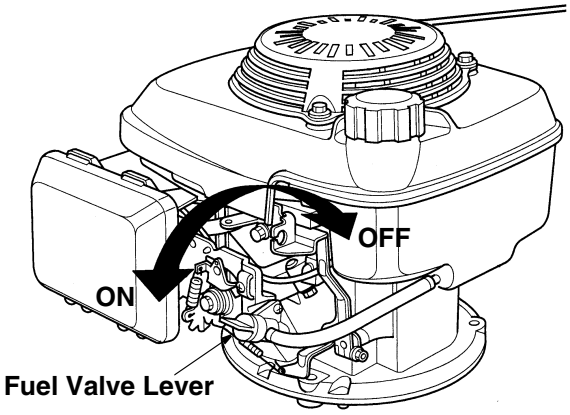


Figure 11

- **(Model 378Q only)** Move the throttle control/choke lever all the way forward into the choke position. A warm engine may not require choking. If the engine is already warm as a result of recent operation, just move the throttle into the rabbit position and allow it to remain there.
- Prime the engine as instructed in the separate engine manual.

- Stand behind the unit, squeeze and hold the blade control handle against the upper handle.
- Grasp the recoil starter handle and pull the rope out slowly until the engine reaches the start of the compression cycle (rope will pull slightly harder at this point). Let the rope rewind slowly.
- Pull rope with a rapid, continuous, full arm stroke. Keep a firm grip on starter handle. Return it slowly to the rope guide.

NOTE: *If any problems are encountered, refer to the TROUBLE SHOOTING Section of this manual.*

Stopping the Engine And Blade

- Release the blade control handle to stop the engine and blade.

WARNING: The blade continues to rotate for a few seconds after the engine is shut off.

Using Your Lawn Mower

Be sure that the lawn is clear of stones, sticks, wire, or other objects which could damage the 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.

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.

For a healthier lawn, never cut off more than one-third of the total length of the grass. Your 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 mowing or mulching.

WARNING: If you strike a foreign object, stop the engine. Remove and ground the spark plug wire, 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.

Bagging Grass Clippings

This mower has the ability to collect grass clippings. To install the grass bag:

- Lift the rear discharge door and remove the mulching plug, if installed. Refer to Figure 12.

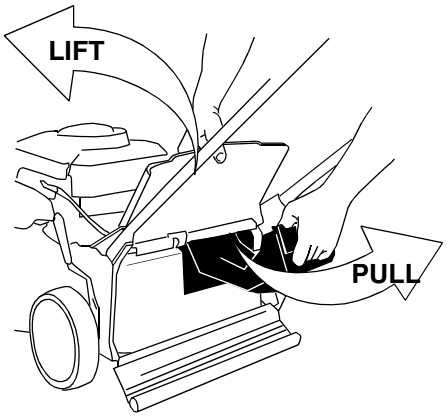


Figure 12

- Lift the rear discharge door and hang the grass bag on the mower as shown in Figure 13.

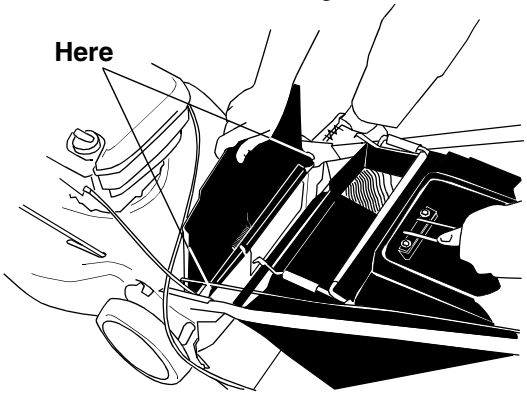


Figure 13

Emptying A Full Bag Of Grass

Once the grass bag is full it will need to be emptied, follow the steps below to empty the grass bag.

- Release the blade control handle to shut off engine.
- Lift the rear discharge door and pull the bag away from the mower. See Figure 14.

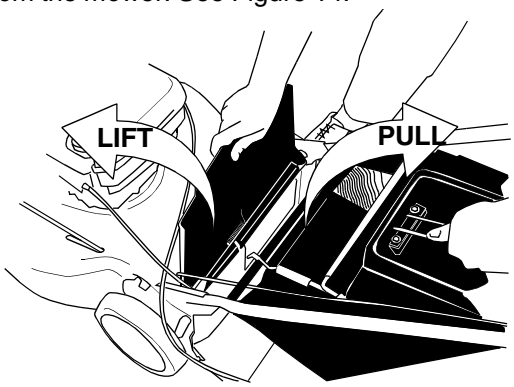


Figure 14

- Lift the grass bag up and away from the mower. Dump the grass clippings. Refer to Figure 15.

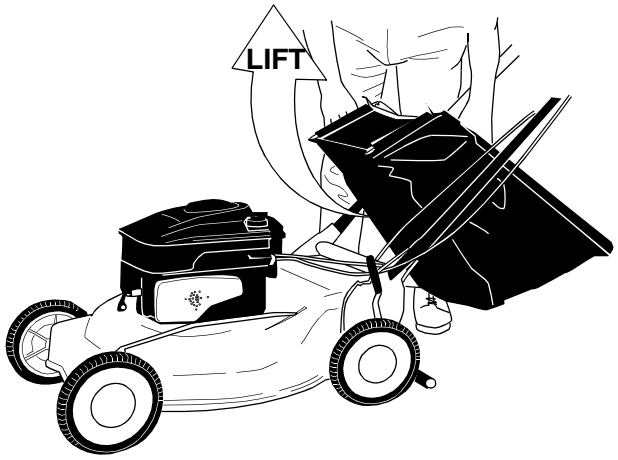


Figure 15

Mulching Grass Clippings

This mower also has the ability to finely mulch grass clippings. Follow the steps below to install the mulching plug. Refer to Figure 16 for the correct orientation of the mulch plug.

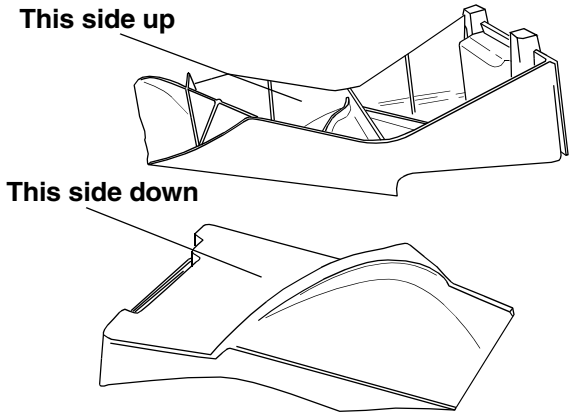


Figure 16

- Lift the rear discharge door and remove the grass bag if installed, and insert the mulching plug as shown in Figure 17.

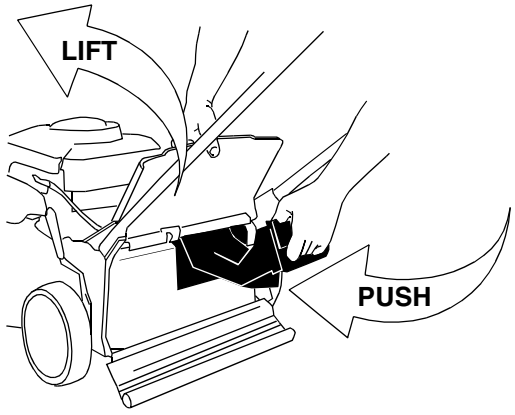


Figure 17

Side Discharging Grass Clippings (If Equipped)

Use the side discharge chute when not mulching or bagging the grass. Refer to Figure 18 and the following instructions to install the side discharge chute.

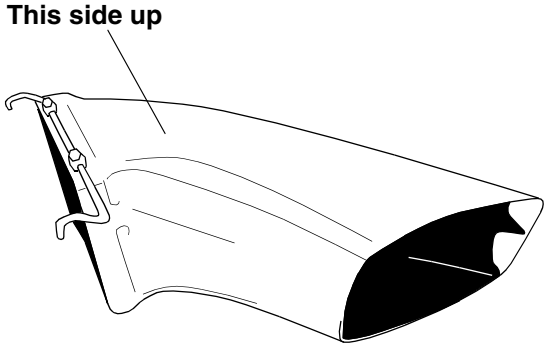


Figure 18

- Raise the rear discharge door, remove the grass bag, or the mulch plug if installed. Hang the side discharge chute as shown in Figure 19.

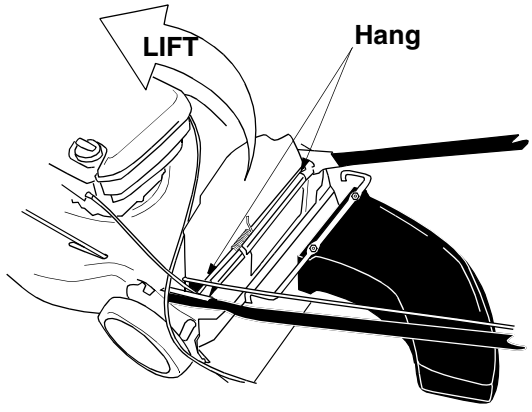


Figure 19

SECTION 7: MAKING ADJUSTMENTS

WARNING: Always stop the engine, disconnect the spark plug wire, and ground it against the engine before performing adjustments.

Handle Height Adjustment

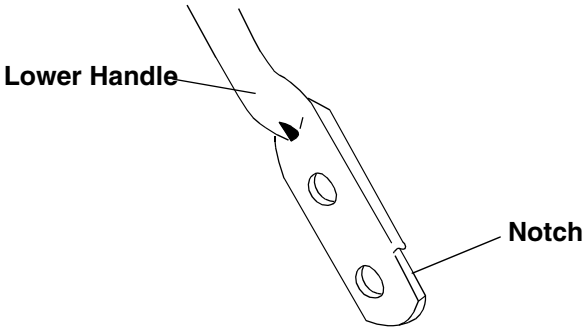


Figure 20

Your mower is shipped with the handle in the higher height position. To lower the handle height, proceed as follows.

- Remove the starter rope from the rope guide.
- Remove the upper handle by removing the wing nuts and carriage bolts. Lay the upper handle out of the way, being careful not to bend or kink the cables.
- Remove the hairpin clips from the weld pins on the handle brackets. Press out on the legs of the lower handle. Remove the lower handle from the mower.
- Turn the lower handle around so the notch on the bottom of the lower handle is facing forward as shown in Figure 20. Reassemble, placing the bottom holes in the handle over the weld pins in the handle mounting bracket.
- Reassemble the upper handle to the lower handle.
- Place the hairpin clips in the inner holes in the weld pins and attach the starter rope as instructed in the *Assembling Your Lawn Mower* section.

Throttle Control Adjustment

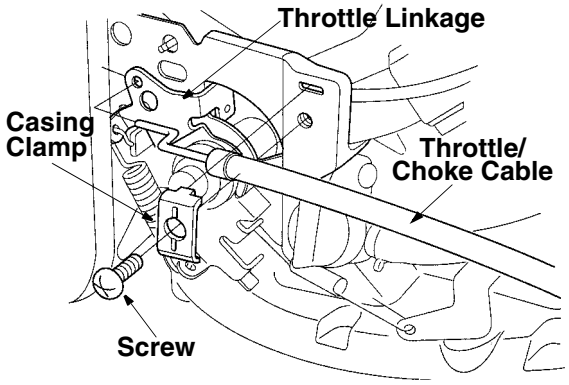


Figure 21

NOTE: *If the throttle control is located on the engine or if it is a constant speed throttle, the throttle will never need adjustment.*

Perform the following adjustment in the event your engine is not achieving the full range of engine RPMs or after replacing the throttle cable for any reason.

- Loosen the screw which secures the casing clamp to the left side of the engine. See Figure 21.
- Move the throttle control/choke lever (on the upper handle) all the way forward into the choke position.
- Position the throttle linkage found on the left side of the engine all the way forward into the choke position.
- While holding the throttle linkage in this position, tighten the screw onto the casing clamp to secure the cable housing firmly in place on the engine.

Drive Clutch Control Adjustment

The drive clutch control adjustment wheel is located in the drive clutch control handle housing and is used to tighten or loosen the drive belt. You will have to adjust the drive clutch control if any of the following happens:

- The mower does not propel itself with the drive clutch engaged.
- The mower's drive wheels hesitate with the drive clutch engaged.

To resolve the above problems, rotate the adjustment wheel with your fingers. Turn it clockwise to tighten the cable and counter-clockwise to loosen the cable. Refer to Figure 22 or Figure 23 depending on the unit you have.

Models 370 - 379

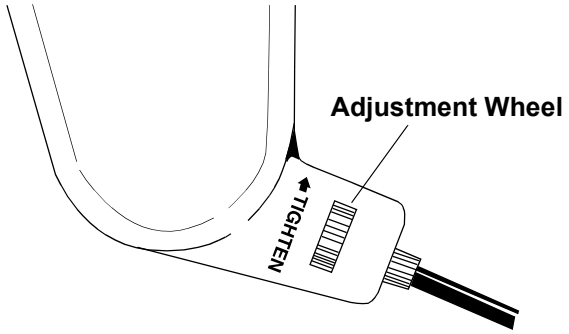


Figure 22

Models 380 - 389

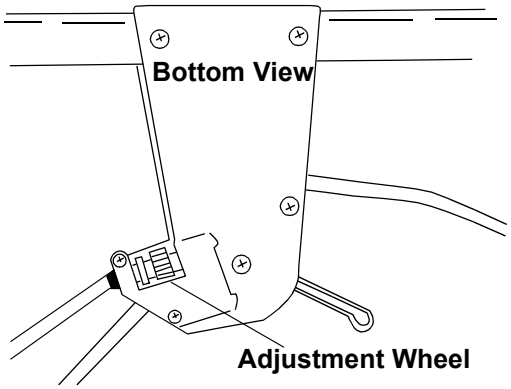


Figure 23

NOTE: *For some people the drive clutch handle may not be in a comfortable position. You can adjust the handle out by tightening the adjustment wheel.*

SECTION 8: MAINTAINING YOUR LAWN MOWER

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

NOTE: *When tipping the unit, empty the fuel tank, keep the engine's spark plug side up. Never tip the mower more than 90 degrees and do not leave the mower tipped for a sustained length of time. Oil can drain into the upper part of the engine causing starting problems.*

General Recommendations

- Always observe safety rules when performing any maintenance.
- Changing of the engine's governed speed will void the engine's warranty.
- The warranty on this lawn mower does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, the operator must maintain the lawn mower as instructed in this manual.
- Some adjustments will have to be made periodically to maintain your unit properly. All adjustments in the *Making Adjustments* section of this manual should be checked at least once each season.
- Periodically check all fasteners and make sure these are tight.

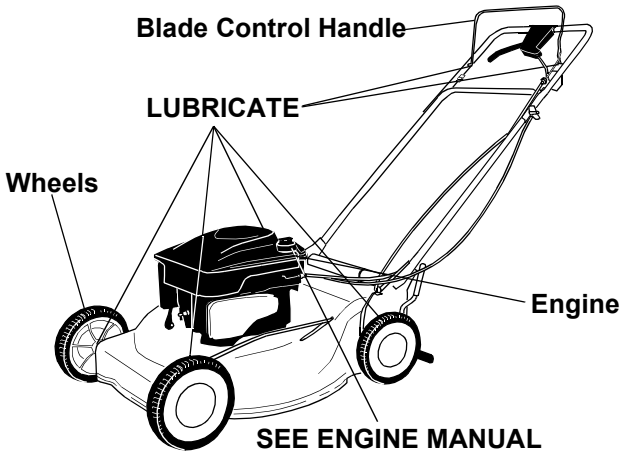


Figure 24

Lubrication

WARNING: Always stop the engine, disconnect the spark plug wire, and ground it against the engine before cleaning, lubricating or doing any type of maintenance on the machine.

Blade Control Handle and Drive Clutch Control: Lubricate the pivot points on the blade control handle and the drive clutch control at least once a season with light oil. These handles must operate freely in both directions. Refer to Figure 24.

Wheels: Lubricate the wheels at least once a season with light oil (or motor oil). If the wheels are removed for any reason, lubricate the surface of the axle bolt and inner surface of the wheel with light oil.

Rear Discharge Door: Lubricate the torsion spring and pivot point periodically with light oil to prevent any rust or binding.

Engine: Follow the separate engine manual packed with your unit for lubrication instructions.

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 the 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.

Deck

The underside of the mower deck should be cleaned after each use to prevent a buildup of grass clippings, leaves, dirt or other matter. If this debris is allowed to accumulate, it will invite rust and corrosion, and will prevent proper mulching, discharge or bagging.

The deck may be cleaned by tilting the mower and scraping clean with a suitable tool (make certain the spark plug wire is disconnected).

NOTE: *The use of a pressure washer or garden hose to clean your unit is NOT recommended. Using these may cause damage to electrical components, spindles, pulleys, bearings, or the engine. The use of water will result in shortened life and reduced serviceability.*

Blade Replacement and Sharpening

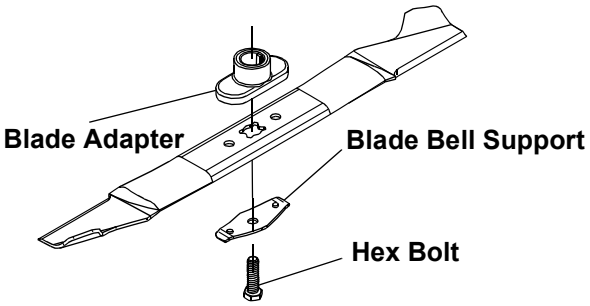


Figure 25

IMPORTANT: When removing the cutting blade for sharpening or replacement, protect hands by using heavy gloves or a thick rag before grabbing the blade.

- Remove the bolt and blade bell support which hold the blade and adapter to the engine crankshaft. Refer to Figure 25.
- Remove the blade and adapter from the crankshaft.

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

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. It may cause damage to the mower, and it could break causing personal injury.

The blade can be tested by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly. It is recommended that the blade always be removed from the adapter when testing for balance.

Before reinstalling the blade and the blade adapter to the unit, lubricate the engine crankshaft and the inner surface of the blade adapter with light oil.

- 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.
- Slide the blade adapter onto engine crankshaft.
- Place the blade on the adapter. Be certain the blade is aligned with, and seated onto, the blade adapter flanges.
- Place blade bell support on blade. Make sure the notches on the blade bell support are aligned with the small hole in the blade and replace the hex bolt.
- Torque hex bolt to: 450 in. lbs. min., 600 in. lbs. max.

NOTE: *To ensure safe operation of your unit, the blade bolt must be checked periodically for correct torque.*

Shift Lever Cable Adjustment (Models 380 - 389 Only)

Periodic adjustment of the six speed shift cable may be required due to normal wear on the cable. Adjustment is needed if all six speeds do not work.

The adjustable cable bracket is located on the left side of the mower, beside the engine. Follow steps below to adjust the shift lever.

- Start the engine.
- Place speed control in the sixth speed position. See Figure 26.

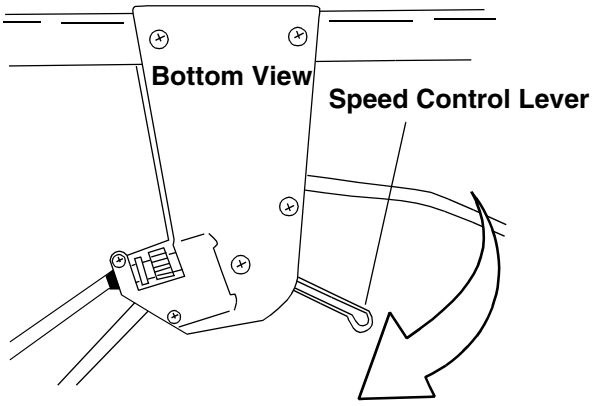


Figure 26

- Stop the engine.
- Disconnect the spark plug wire and ground it.
- Loosen hex nut (A) which secures the adjustable cable bracket. Refer to Figure 27.

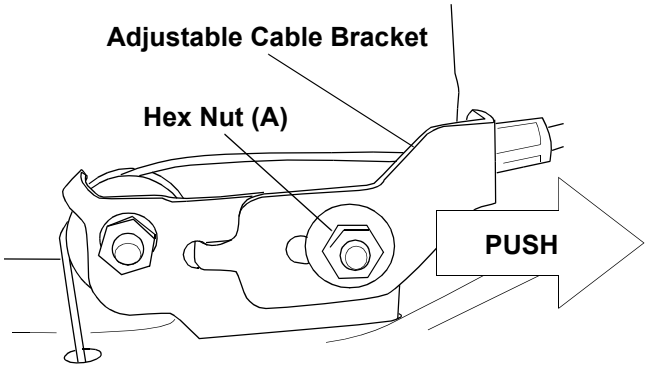


Figure 27

- Push back on the adjustable cable bracket.
- Tighten hex nut (A).

Drive Belt Removal And Replacement (Model 370 Series)

If you need to replace a worn or broken drive belt, follow steps below.

- Disconnect the spark plug wire and ground it.
- Drain the fuel tank.
- Remove the rear hub caps and wheels.
- Remove the eight phillips head screws. Refer to Figure 28 and Figure 29 for locations.

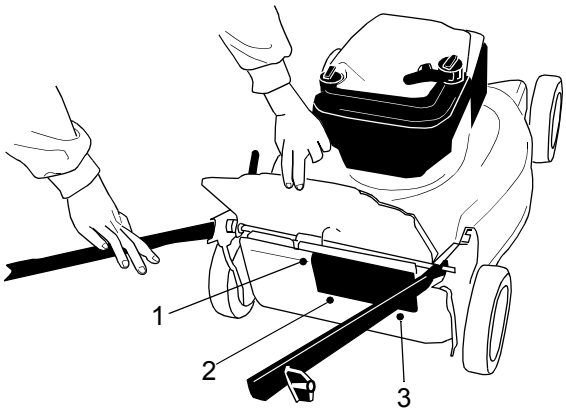


Figure 28

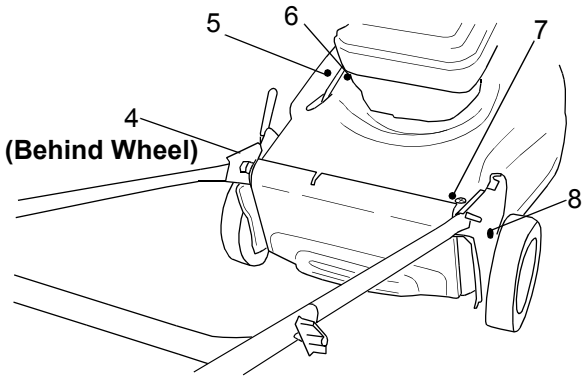


Figure 29

- Tip the mower back on its handle and block securely.
- Remove the blade, blade adapter and related hardware as shown in Figure 30.
- Remove the three hex head screws holding the small baffle.
- Remove the small baffle.
- Remove the large baffle.

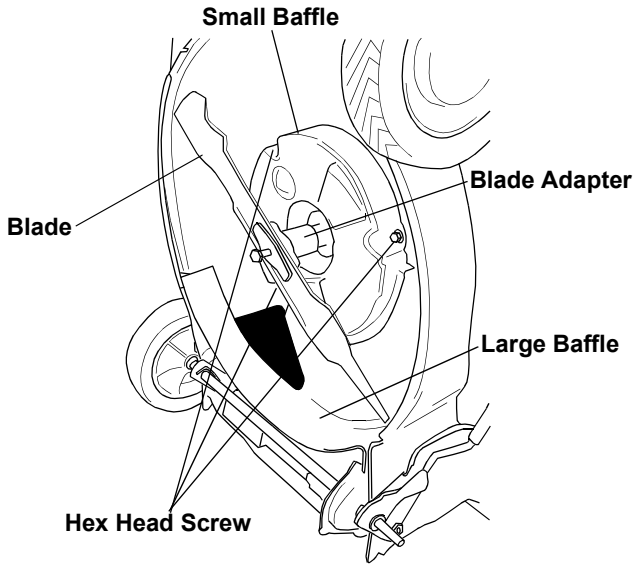


Figure 30

- Loosen the hex lock nut holding the idler bearing. Refer to Figure 31.
- Push back and rotate the belt keeper.
- Remove and replace the belt.
- Replace the belt keeper to its original position. Tighten the hex lock nut.

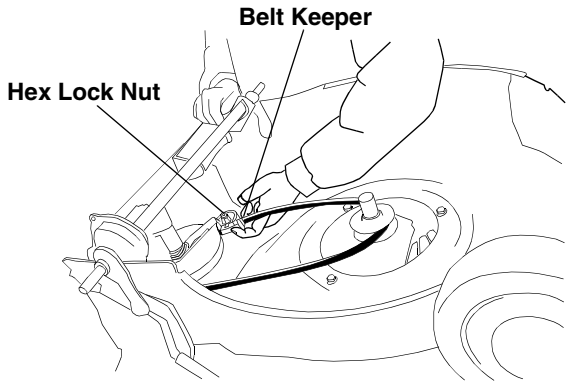


Figure 31

NOTE: *Mower is shown tipped on engine for clarity. Remember, only tip mower back on its handle with the spark plug facing up. Otherwise, oil will spill if turned upside down.*

- Replace the large baffle as shown in Figure 30.
- Replace small baffle and three hex head screws holding it in place.
- Replace the blade adapter and blade. See the *Blade Replacement and Sharpening* section for proper assembly.
- Replace the eight phillips head screws that hold the large baffle in place as shown in Figure 28 and Figure 29.
- Replace the rear wheels, rear wheel gears and hub caps. The gear needs to be put on in the right way for the self propelled mechanism to work. Check the installation of the gear by spinning the wheel. It should spin freely in one direction but not the other. If the wheel spins freely in both directions, flip the gear over.
- Tip the mower back onto its wheels
- Go through the neutral adjustment test in the *Operating your Lawn Mower* section of the manual.

Drive Belt Removal And Replacement (Model 380 Series)

If you need to replace a worn or broken drive belt, follow the steps below.

- Disconnect the spark plug and ground it.
- Drain the fuel tank.
- Remove rear hub caps and wheels
- Remove eight phillips head screws as shown in Figure 28 and Figure 29.
- Tip the mower back on its handle and block securely.
- Remove the blade, blade adapter and related hardware. Refer to Figure 30.
- Remove three hex head screws holding the small baffle.
- Remove the small baffle.
- Remove the large baffle.
- Loosen the hex lock nut holding the idler bearing as shown in Figure 31.
- Using a pair of pliers, pull back and rotate the belt keeper bracket from the slot on idler pulley. See Figure 32.
- Slide the belt out from between the belt keeper bracket and the idler pulley.

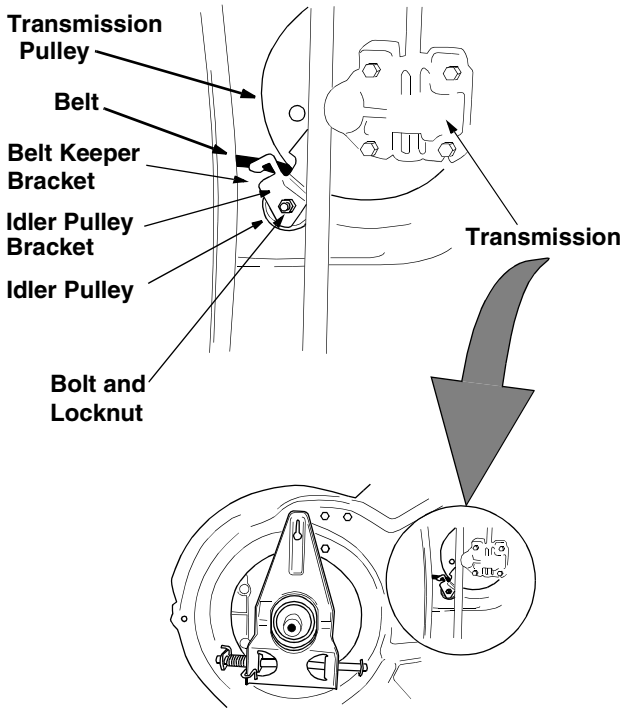


Figure 32

- Squeeze the belt together and push it forward. Press the control arm inward towards the deck and remove the six speed cable from the slot as shown in Figure 33.

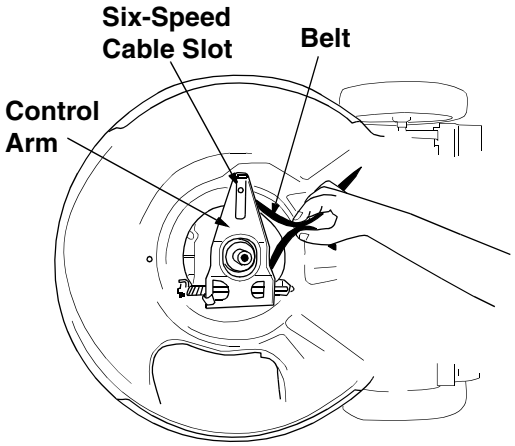


Figure 33

- Place the new belt over the transmission pulley. Refer to Figure 32. Start the belt in pulley groove and rotate the pulley until the belt is seated in the transmission pulley.
- Place the belt between the idler pulley and the belt keeper bracket.
- Using pliers, rotate the belt keeper bracket so that is snaps into the slot on the idler bracket. See Figure 32.
- Tighten the idler pulley bolt and locknut using two 7/16” wrenches.
- Pivot the control arm down away from the pulley and belt. See Figure 34.

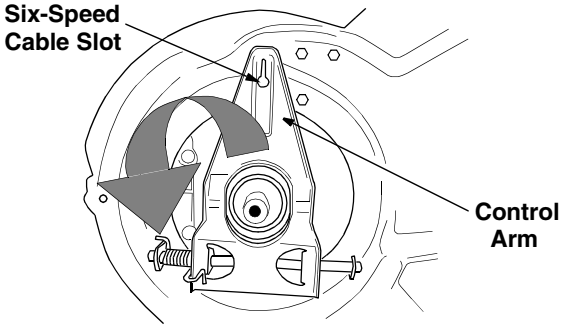


Figure 34

- Lift off the lower pulley assembly and remove the old belt from around the crankshaft.See Figure 35.

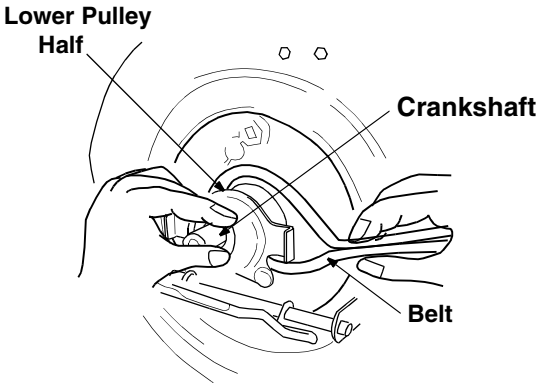


Figure 35

- Place the belt between the two pulley halves on the crankshaft. Make sure to route the belt inside the belt guard pin as shown in Figure 36.

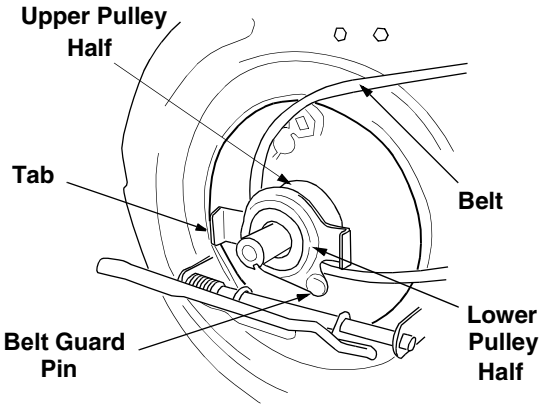


Figure 36

IMPORTANT: When changing the belt, do not disassemble the lower pulley assembly.

- Pinch the belt together so that it is not in the pulley groove, and the lower pulley can be pushed towards the engine. See Figure 37.

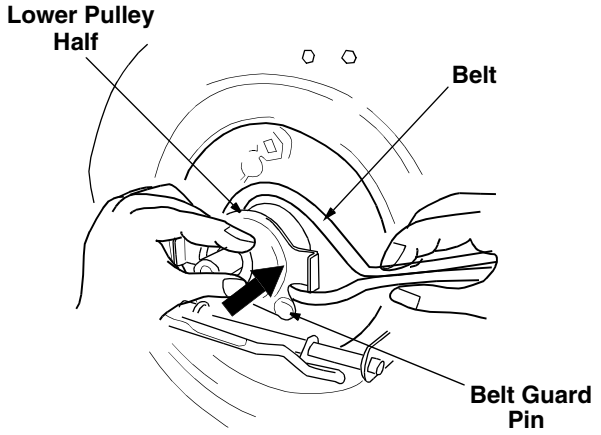


Figure 37

- Pivot the control arm back to its original position and reinstall the six speed cable into the slot.
- Check and make sure that the belt is routed inside the pulley halves and the belt guard pin.
- Replace the large baffle. See Figure 30.
- Replace the small baffle and the three hex head screws holding it in place. See Figure 30.
- Replace the blade adapter and blade. See Figure 30. See the *Blade Replacement and Sharpening* section for proper assembly.

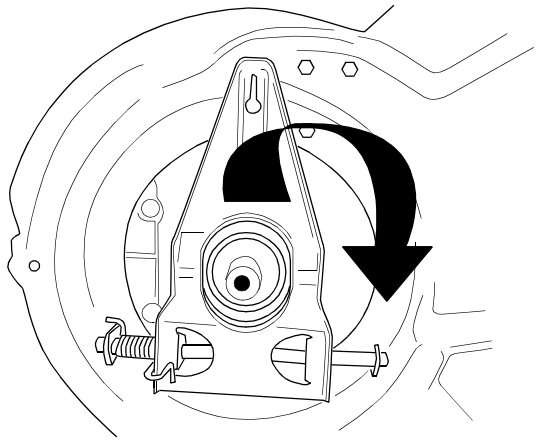


Figure 38

- Replace the eight phillips head screws that hold the large baffle in place. See Figure 28 and Figure 29.
- Replace the rear wheels, rear wheel gears and hub caps. The gears need to be put on in the correct way for the self propelled mechanism to work. Check the installation of the gear by spinning the wheel. It should spin freely in one direction but not the other. If the wheel spins freely in both directions, flip the gear over.
- Tip the mower back onto its wheels
- Go through the neutral adjustment test in the *Operating your Lawn Mower* section.

SECTION 9: OFF-SEASON STORAGE

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

- Clean and lubricate the mower thoroughly as described in the lubrication instructions.
- The use of a pressure washer or garden hose to clean your unit is NOT recommended. Using these may cause damage to electrical components, spindles, pulleys, bearings, or the engine. The use of water will result in shortened life and reduced serviceability.
- Refer to engine manual for correct engine storage instructions.
- Coat mower's cutting blade with chassis grease to prevent rusting.
- Store mower in a dry, clean area. Do not store next to corrosive materials, such as fertilizer and rock salt.

NOTE: *When storing any type of power equipment in an poorly ventilated or metal storage shed, care should be taken to rust-proof the equipment. Using a light oil or silicone, coat the equipment, especially cables and all moving parts.*

NOTE: *Refer to separate engine manual packed with your mower for more engine related information.*

SECTION 10: TROUBLE SHOOTING GUIDE

Trouble	Possible Cause(s)	Corrective Action
Engine fails to start	Blade control handle disengaged. Spark plug wire disconnected. Throttle control lever not in correct starting position. (If Equipped) Fuel tank empty, or stale fuel. Blocked fuel line. Faulty spark plug. Engine flooded.	Engage blade control handle. Connect wire to spark plug. Move throttle lever to FAST or START position. Fill tank with clean, fresh gasoline. Clean fuel line. Clean, adjust gap or replace. Wait a few minutes and crank again.
Engine runs erratic	Unit running in START position. Spark plug wire loose. Blocked fuel line or stale fuel. Vent in gas cap plugged. Water or dirt in fuel system. Dirty air cleaner. Carburetor out of adjustment.	Move throttle lever to FAST position. (If Equipped) Connect and tighten spark plug wire. Clean fuel line; fill tank with clean, fresh gasoline. Clear vent. Drain fuel tank. Refill with fresh fuel. Clean air cleaner. Adjust carburetor.
Engine overheats	Engine oil level low. Air flow restricted. Carburetor not adjusted properly.	Fill crankcase with proper oil. Remove blower housing and clean. Adjust carburetor.
Occasional skip (hesitates) at high speed	Spark plug gap too close.	Adjust gap to.030”.
Idles poorly	Spark plug fouled, faulty or gap too wide. Carburetor improperly adjusted. Dirty air cleaner.	Reset gap to.030” or replace spark plug. Adjust carburetor. Clean air cleaner.
Excessive vibration	Cutting blade loose or unbalanced. Bent cutting blade.	Tighten blade and adapter. Balance blade. Replace blade.
Mower will not mulch grass	Engine speed too low. Wet grass. Excessively high grass. Dull blade.	Set throttle at full throttle. (If Equipped) Do not mow when grass is wet; wait until later to cut. Mow once at a high cutting height, then mow again at desired height or make a narrower cutting swath (1/2 width). Sharpen or replace blade.
Uneven cut	Wheels not positioned correctly. Dull blade.	Place all four wheels in same height position. Sharpen or replace blade.

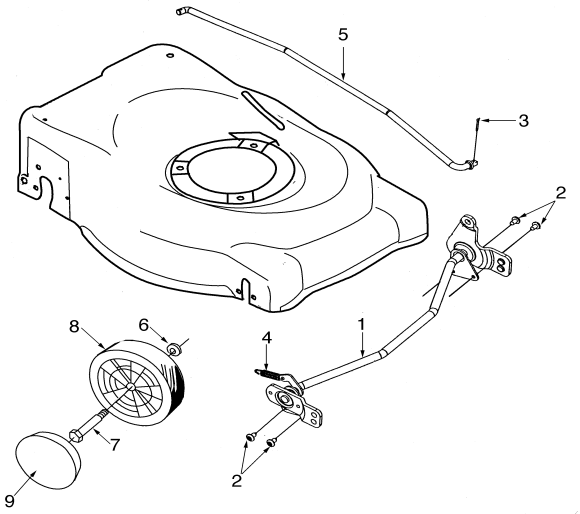
SECTION 11: PARTS LIST

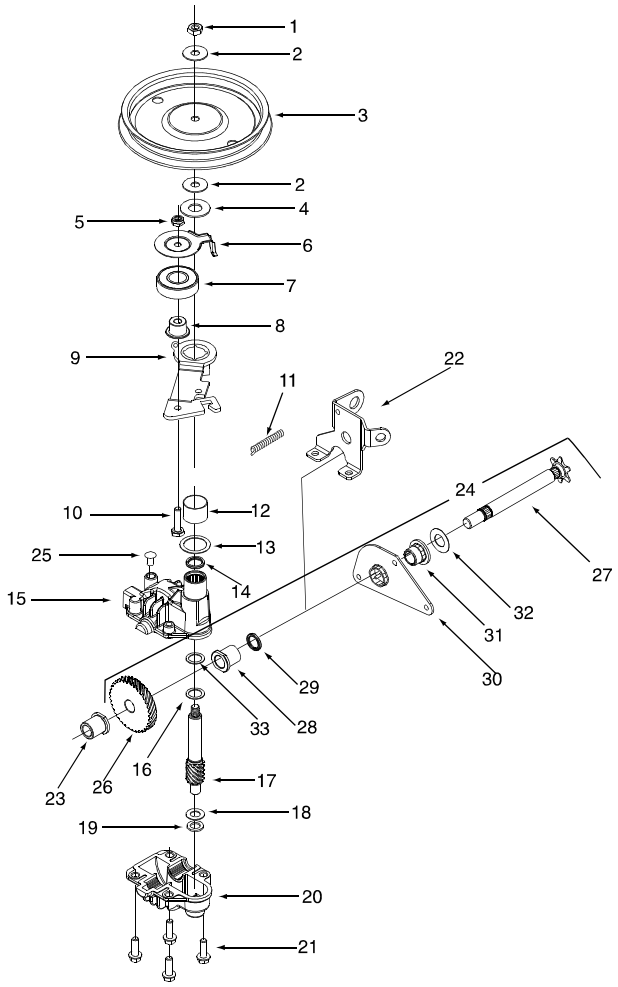
Model 370 - 389

Front Axle Assembly & Height Adjuster

REF. NO.	PART NO.	DESCRIPTION
1	611-0060	Axle Ass'y, Frt.
2	710-1348	AB Pan Scr. 1/4-14 x .50 Lg.
3	714-0104	Cotter Pin .072 x 1.12 Lg.
4	732-0820	Ext. Spring
5	747-0920A	Adj. Rod
6	736-0105	Spr. Washer
7	738-0102	Shl. Bolt .498 x 1.445 3/8-16
8	††	Wheel Ass'y - Complete
9	†	Hub Cap

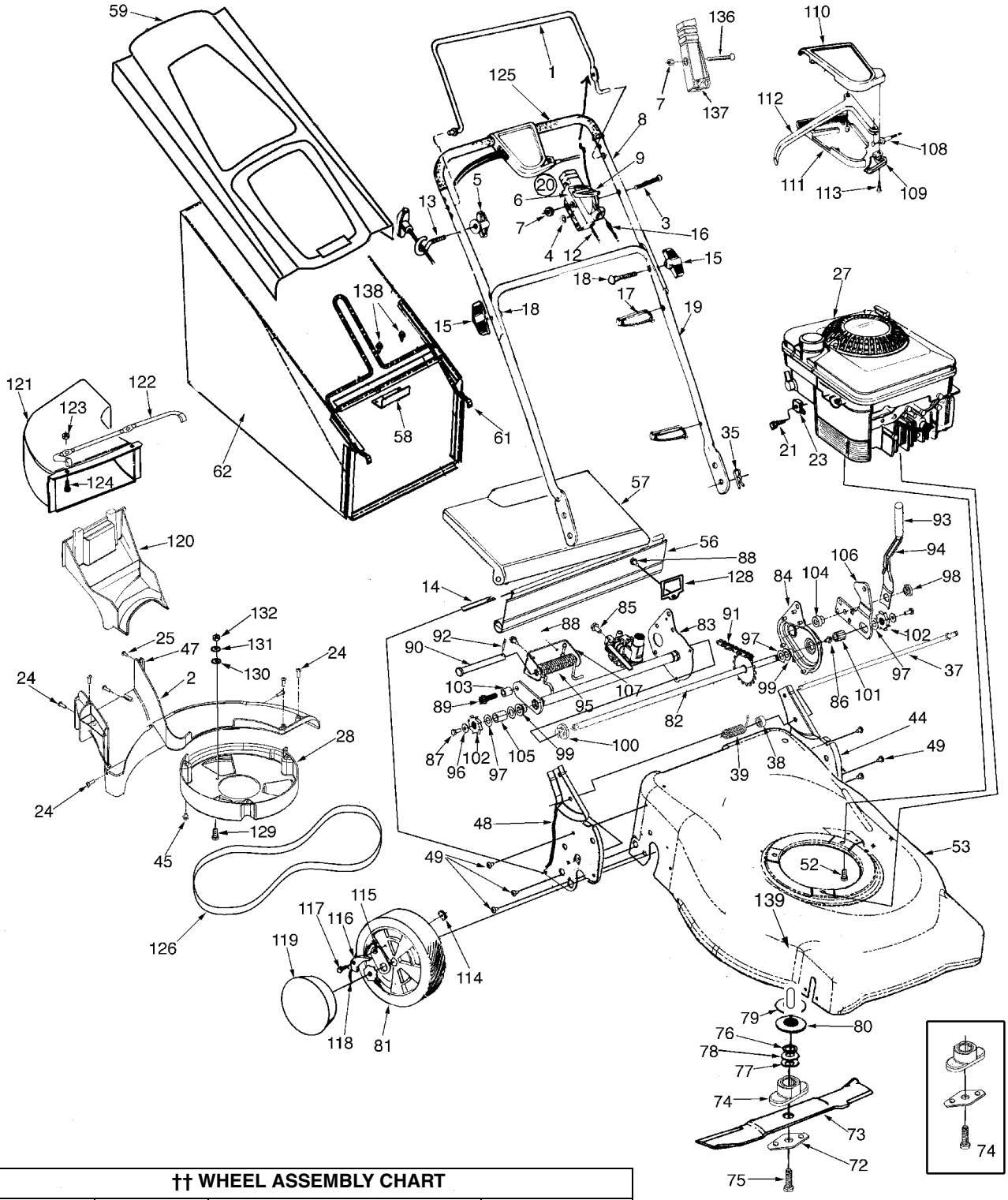
† See Wheel and Hub Cap Chart on Page 22





REF. NO.	PART NO.	DESCRIPTION
1	712-3025	Hx. Jam Nut 5/16-24
2	736-0425	Bell Wash. .325 x .930 x .045
3	756-0656	Pulley
4	736-3084	Fl. Wash. .510 x 1.120 x .060
5	712-0896	Hx. Jam Nut 1/4-28
6	782-7598	Belt Keeper
7	741-0600	Bearing
8	750-1050	Flange Spacer
9	682-0027A	Idler Bracket Ass'y.
10	710-0299	Hx. Cap Scr. 1/4-28 x 1.00 Gr. 5
11	732-0849A	Torsion Spring
12	741-0682A	Bearing Sleeve
13	736-0570	Fl. Wash. .885 x 1.145 x.030
14	721-0329	Oil Seal
15	618-0253	Upper Housing Ass'y.
16	736-0616	Fl. Wash. .504 x .700 x .030
17	717-1487	Pinion Shaft 10 T.
18	736-0314	Thr. Wash. 3/8 x .70 x .030
19	736-0569	Thr. Wash. .388 x .625 x .062
20	618-0252	Lower Housing Ass'y.
21	710-0642	Hx. Scr. 1/2-20 x .75
22	782-7601A	Cable Bracket
23	741-0674	Bearing
24	611-0066	Shaft Ass'y.
25	721-0325	Plug
26	717-1469	Gear 34 T.
27	711-1168	Output Shaft 6 T.
28	741-0673	Flange Bearing
29	721-0329	Oil Seal
30	782-7595	Pivot Bracket
31	741-0324	Flange Bearing
32	736-0369	Wash. Fl. .508 I.D. x 1.00 O.D. x .020
33	741-0690	Thrust Bearing
-	618-0263A	Transmission Complete

Model 370 - 379



†† WHEEL ASSEMBLY CHART				
Size	Tread Type	Front Wheels Part No.	Bearings	Rear Wheels Part No.
8” x 1.75”	Bar Tread	634-0020	- - -	634-0020
8” x 1.75”	“T” Tread	734-1268	741-0484	734-1412
8” x 2”	“S” Wave	734-1821	741-0484	734-1826
8” x 2”	“S” Wave	734-1826	- - -	734-1826
8” x 2”	Link Tread	734-1978	741-0484	734-1979
8” x 2 1/8	Zag Tread	734-2004	- - -	734-2005

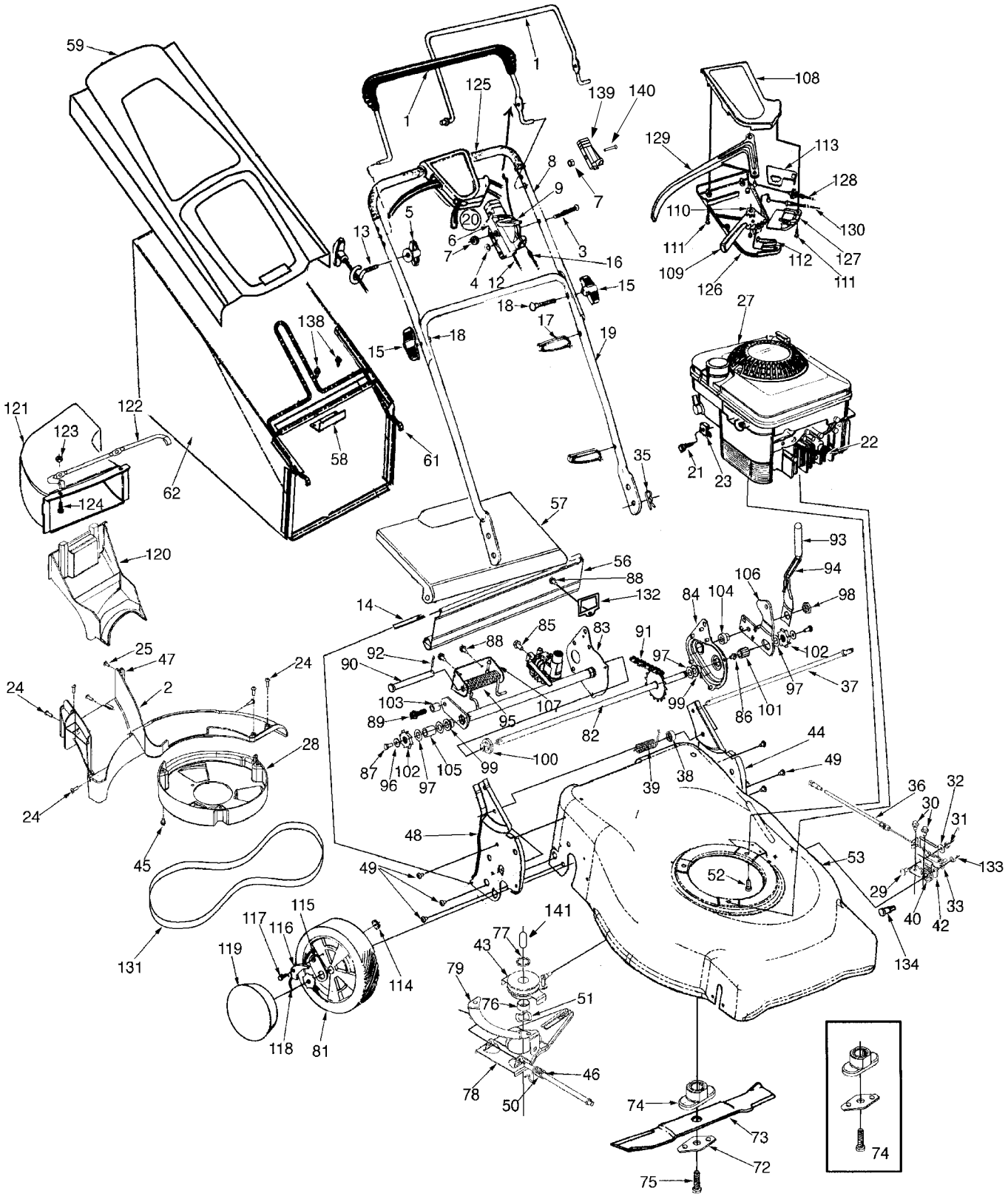
† OPTIONAL HUB CAPS	
Description	Part No.
Gray (3-1/2” Dia.)	720-0249
Black (4-1/4” Dia.)	731-0354
Gray (4-1/4” Dia.)	731-0355A
Gray (5-1/2” Dia.)	731-0981A
Yellow (5-1/2” Dia.)	731-1426

Model 370 - 379

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	747-0824	Control Handle Ass'y (Std.)	77	736-0514	Fl. Wash. .885 x 1.85 x .06
	647-0004	Control Handle Ass'y (Deluxe)	78	736-0513	Spr. Wash. .890 x .7x .04
2	731-1639	Baffle	79	756-0962	Pulley Half - Upper
3	710-0605	Oval C-Sunk Mach - Screw*	80	756-0979	Pulley Half - Lower
4	736-0501	Spring Washer .66" ID	81	††	Wheel Assembly
5	720-0279	Handle Knob 1/4-20 Thd.	82	638-0005	Axle Assy: RR
6	646-0875	Throttle Body*	83	682-7518	Axle Assy: Trans.
7	712-0324	Hex L-Nut 1/4-20	84	682-7524	Cover Ass'y - Chain
8	749-0439C	Upper Handle	85	710-0604A	Scr. TT 5/16-18
9	746-0876	Throttle Lever*	86	710-0653	Scr. TT 1/4-20
12	746-1115	Throttle Control Wire - 47"* (378Q only)	87	710-0751	Hx Cap Screw 1/4-20
	746-0848	Throttle Control Wire - 47"	88	710-0896	Hex Washer Screw 1/4-20 x .625
	746-0843	Throttle Control Wire - 55"*	89	710-1315	Scr 3/8 - 16 x 1.25
	746-0841	Throttle Control Wire - 60"*	90	711-0835	Pin - Clv. .500 Dia.x.4.62 Lg.
13	710-1205	Rope Guide	91	713-0421	Chain:Endless 48:.500P x 22 Lg.
14	732-0700	Wire-47" Lg.	92	714-0474	Pin-Cotter .125 O.D. x .75
15	720-0314	Hand Knob	93	720-0230	Grip-Foam
16	746-0555	Control Cable-55"	94	732-0803A	Spring Lever
	746-0556	Control Cable-45"	95	732-0818	Torsion Spring
	746-0557	Control Cable-47"	96	736-0270	Bell Washer .265 x .75 x .062
17	726-0240	Cable Tie	97	736-0369	Wash.Flat .508 I.D. x 1.0 O.D.:.020
18	710-1174	Cr.Hd. Bolt 5 / 16-18 x 2" Lg.	98	738-0529	Nut - Shoulder .625 x .165 Lg.
19	749-0907A	Lower Handle	99	741-0324	Bearing-Flg Hex
20	811-00185	Throttle Ass'y Comp (Incl. 3,4,6,7,9)*	100	741-0522	Bearing-Flg. Hex
21	710-1237	Hex Self-Tap Scr. #10-32 x .62"*	101	741-0978	Bearing-Sleeve
	710-0871	Hex Sems Scr. #10-32 x .3" Lg. *	102	748-0318	Ratchet Wheel
22	735-0639	Spark Plug Boot	103	750-0807	Spacer - .385 x .625 x .700
23	751B213146	Cable Clamp (B&S)*	104	750-1056	Spacer-Shld. .385 I.D.x .715 Lg.
	7510007775	Cable Clamp (TEC)*	105	750-1075	Spacer Slv. .520 I.D. x .950 Lg.
24	710-1220	Screw H.L. 12-24	106	782-0566B	Pivot Arm
25	710-0351	Screw Mach. B Tapp.	107	782-0568	Spring Bracket
27	--	Engine	108	746-0713	S.P. Cable 52.5"
28	731-1714A	Belt Cover	109	731-1059	Mounting Cap
35	714-0104	Int. Cotter Pin 5/15" Dia.	110	731-1057	Control Cover - Upper
37	747-0922	Pivot Rod	111	731-1058	Control Cover - Lower
38	750-1068	Spacer .385 I.D.	112	731-0620	Lever
39	732-0809	Torsion Spring L.H.	113	710-1667A	Screw #10-16 x .625
44	782-3029	Handle Brkt. Ass'y - L.H.	114	712-0414	Weld Top L. 1/4-20
45	710-0653	Screw, Tap 1/4-20	115	16855	Pawl Plate
47	712-0400	U-Nut	116	748-0188B	Pawl L.H. (Not Shown)
48	782-3030	Handle Brkt. Ass'y - R.H.		748-0381	Pawl R.H.
49	710-1348	Screw AB 1/4-20	117	738-0137A	Shldr. Scr. .340x.285
52	710-0654A	Hex L-Wash. Hd. Scr. 3/8-16 x 1"	118	10622B	Spring, Ratchet
53	682-0037A	21" Deck Ass'y w/ MTD Icon	119	†	Hub Cap
	682-0075A	21" Deck Ass'y w/o MTD Icon	120	731-1685	Mulch Plug
56	731-1236	Rear Flap 17.77 Lg.	121	731-1461	Chute Deflector
57	782-7599A	Rear Chute Door	122	747-0958	Chute Mounting Rod
58	782-9050	Brkt. Mtg. Grassbag - Black	123	712-0324	Hex-L-Nut 1/4-20 thd.
59	731-0068	Hdtop Bag Cover	124	710-0924	Mach. Scr. 1/4-20
	731-1769	Hdtop Bag Cover w/Icon	125	720-0294	Foam Grip (Optional)
	631-0077	Hdtop Bag Cover w/Flo Ind.	126	754-0271	Belt
	631-0078	Hdtop Bag Cover w/Flo Ind. / Icon	128	782-7018	Pulley Cover
61	747-0919	Catcher Frame	129	710-1026	Scr. TT1/4-20:1.750 Hx IndWash
62	664-0080	Grass Bag - Black	130	736-0329	Lockwasher 1/4" Reg.
	664-0079	Grassbag- Soft top w/MTD Logo	131	736-3020	Fl. Wash. .271 x .630 x .065
72	736-0524A	Blade Bell Support	132	712-0287	Nut 1/4-20
73	742-0741	21" Mulching Blade w/Star	136	710-1270	Scr. 1/4-20:1.31 Lg.
	742-0641	21" Std. Blade W/Star	137	746-0883	Housing (w/o Throttle)
74	753-0609	Blade Adaptor Kit w/Star	138	710-0896	Hex Washer Screw 1/4-20 x .625
75	710-1257	Hex Bolt 3/8-24 x 2.5 Lg.	139	750-1260	Spacer (Model 378Q only)
76	748-0358	Spacer			

* If Equipped

Models 380 - 389



Models 380 - 389

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	747-0824	Control Handle Ass'y (Std)	46	711-1114	Pivot Shaft
	647-0004	Control Handle Ass'y (Deluxe)	47	712-0400	U-Nut
2	731-1639	Baffle	48	782-3030	Handle Brkt. Ass'y- R.H.
3	710-0605	Oval C-Sunk Mach - Screw*	49	710-1348	Screw AB 1/4-20
4	736-0501	Spring Washer .66" ID*	50	732-0807	Torsion Spring
5	720-0279	Handle Knob 1/4-20 Thd.	51	736-0526	Wv.Wash.1.38 O.D. x .88 I.D:.029
6	646-0875	Throttle Housing*	52	710-0654A	Hx L-Wash Hd. Scr. 3/8-16 : 1" Lg.
	646-0876	Throttle Housing w/choke* (378Q)	53	682-0037A	21" Deck Ass'y w/Icon
7	712-0324	Hex L-Nut 1/4-20		682-0075A	21" Deck Ass'y w/o Icon
8	749-0439C	Upper Handle	56	731-1236	Rear Flap 17.77 Lg.
9	746-0876	Throttle Lever*	57	782-7599A	Rear Chute Door
12	746-0843	Throttle Control Wire-55"*	58	782-9050	Brkt. Mtg. Grassbag - Black
	746-0848	Throttle Control Wire-47"*	59	731-0068	Hdtop Bag Cover
	746-1115	Throttle Control Wire-47"* (378Q only)		731-1769	Hdtop Bag Cover w/MTD Logo
	746-0841	Throttle Control Wire-60"*	61	747-0919	Catcher Frame
13	710-1205	Rope Guide	62	664-0080	Grass Bag - Black
14	732-0700	Wire-47"Lg.		664-0079	Grassbag- Soft top w/ Logo
15	720-0276	Hand Knob	72	736-0524A	Blade Bell Support
16	746-0554	Control Cable-40.5"	73	742-0741	21" Mulching Blade w/Star
	746-0555	Control Cable-55"	74	753-0609	Blade Adaptor Kit w/Star
	746-0556	Control Cable-45"	75	710-1257	Hex Bolt 3/8-24 x 2.5 Lg.
	746-0557	Control Cable-47"	76	750-1070	Spacer - Sleeve
17	726-0240	Cable Tie	77	750-1071	Spacer - Sleeve
18	710-1174	Curved Hd. Bolt 5/16-18x2" Lg.	78	782-7596	6 Sp. Control Arm
19	749-0907A	Lower Handle	79	782-7597	6 Sp. Pivot Bracket
20	811-00185	Throttle Assy Comp (Incl. 3,4,6,7,9)*	81	††	Wheel Assembly
	811-00748	Throttle Assy Comp (378Q)	82	638-0005	Axle Ass'y: RR
21	710-1237	Hex Self-Tap Scr. #10-32 x .62" Lg. (B&S)*	83	682-7518	Axle Ass'y: Trans.
			84	682-7524	Cover Ass'y - Chain
	710-0871	Hex Sems Scr. #10-32 x .3" Lg. (Tec.)*	85	710-0604A	Scr. TT 5/16-18
			86	710-0653	Scr. TT 1/4-20
22	735-0639	Spark Plug Boot	87	710-0751	Hx Cap Screw 1/4-20
23	751B213146	Cable Clamp (B&S)*	88	710-0896	Scr. AB 1/4-20
	7510007775	Cable Clamp (Tec.)*	89	710-1315	Scr 3/8-16 x 1.25
24	710-1220	Screw H.L. 12-24	90	711-0835	Pin - Clv. .500 Dia. x .4.62 Lg.
25	710-0351	Screw Mach. B Tapp.	91	713-0421	Chain: Endless 48:.500P x 22L
27	--	Engine	92	714-0474	Pin-Cotter .125 O.D. x .75
28	731-1714A	Belt Cover	93	720-0230	Grip-Foam
29	710-0167	Scr. 1/4-20: .50 Lg.	94	732-0803A	Spring Lever
30	710-0896	Scr.:AB 1/4-20: .625 Lg.	95	732-0818	Torsn Spring
31	712-0287	Hex Nut: 1/4-20	96	736-0270	Bell Washer .265 x .75 x .062
32	736-0270	Bell Wash. .265 x .75 x .062	97	736-0369	Wash.-Fl .508 I.D. x 1.0 O.D. x.020
33	736-0329	Lock Wash. 1/4	98	738-0529	Nut - Shoulder .625 x .165Lg.
35	714-0104	Int. Cotter Pin 5/15" Dia.	99	741-0324	Bearing-Flg Hex
37	747-0922	Pivot Rod	100	741-0522	Bearing-Flg. Hex
38	750-1068	Shoulder Spacer	101	741-0978	Bearing-Sleeve
39	732-0809	Torsion Spring L.H.	102	748-0318	Rachet Wheel
40	756-0625	Roller Cable	103	750-0807	Spacer - .385 x .625 x .700
41	782-7574	6 Sp. Cable Adj. Bracket	104	750-1056	Spacer-Shoulder .385I.D.x.715Lg.
42	782-7575	6 Sp. Cable Mtg. Bracket	105	750-1075	Spacer Sleeve .520 I.D. x .950 Lg.
43	656-0613	Pulley Assembly	106	782-0566B	Pivot Arm
44	782-3029	Handle Brkt. Ass'y - L.H.	107	782-0568	Spring Bracket
45	710-0653	Screw, Tap 1/4-20	108	731-0904	Upper Control Housing

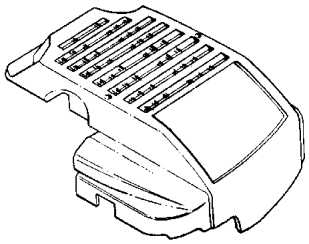
* If Equipped

Models 380 Thru 389

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
109	731-0924	6 Speed Shift Lever	124	710-0924	Mach. Scr. 1/4-20
110	713-0397	Gear Insert	125	720-0294	Foam Grip (Optional)
111	710-0841	C-Sunk Tap Scr. #10 x .75” Lg.	126	731-0905	Lower Control Housing
112	732-0627	Shift Lever Spring	127	731-0906	Cable Mounting Cap
113	16864	6 Sp. Rack Cable Bracket	128	746-0711A	S.P. Cable
114	712-0414	Weld Top L. 1/4-20	129	731-0620	Control Lever
115	16855	Pawl Plate	130	746-0939	6 Speed Cable - 53” Lg.
116	748-0381	Pawl R.H.	131	754-0271	Belt
	748-0188B	Pawl L.H. (Not Shown)	132	782-7018	Pulley Cover
117	738-0137A	Shldr Scr. .340 x .285	133	712-0138	Nut 1/4-28
118	10622B	Spring, Rachet	134	738-0924	Sh. Scr. 1/4-28:.375 Lg.
119	†	Hub Cap	138	710-0896	Hex Washer Screw 1/4-20 x .625
120	731-1685	Mulch Plug	139	746-0883	Housing (w/o Throttle)
121	731-1461	Chute Deflector	140	710-1270	Screw 1/4-20 x 20
122	747-0958	Chute Mounting Rod	141	750-1260	Spacer (388Q Only)
123	712-0324	Hex-L-Nut 1/4-20 thd.			

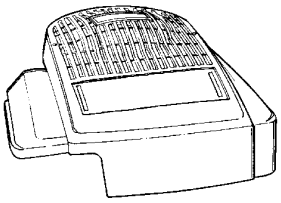
† See Hub cap chart on page 22.

SECTION 12: ENGINE SHROUDS



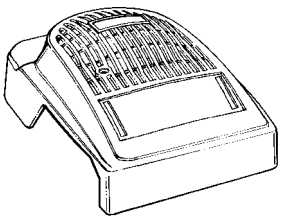
Part No.	Color
751B281439	Dark Red
751B281440	Black
751B281443	Bright Red

Hardware:
710-1256 (Screw)



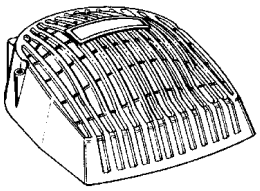
Part No.	Color
731-1395A	Red
731-1396A	Black
731-1397A	Gray

Hardware:
710-1256 (Screw)



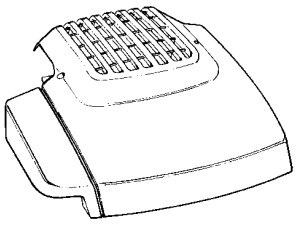
Part No.	Color
731-1587A	Black
731-1603A	Yellow
731-1610A	Pewter
731-1620A	Gray

Hardware:
710-1184 (Screw)



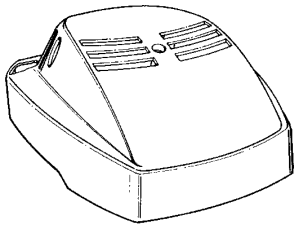
Part No.	Color
731-1561	Black

Hardware:
7510042823 (Screw)



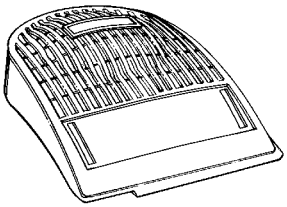
Part No.	Color
731-1402A	Yellow
731-1694	Black
731-1695	Silver
731-1934	Charcoal

Hardware:
710-1258 (Screw)



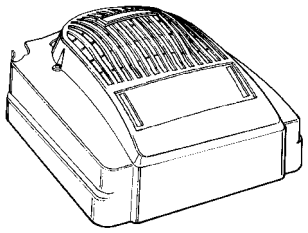
Part No.	Color
7510143208	Black

Hardware:
7510042823 (Screw)



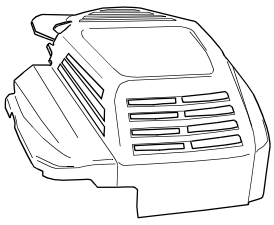
Part No.	Color
731-1585B	Black

Hardware:
710-1274 (Screw)



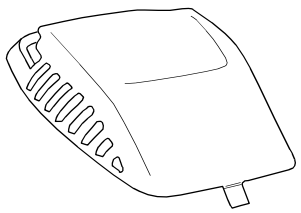
Part No.	Color
731-1586B	Black
731-1612A	Red

Hardware:
7510042823 (Screw)



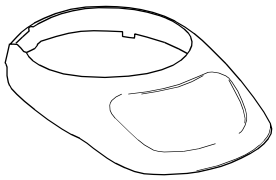
Part No.	Color
751B281451	Gray

Hardware:710-1256



Part No.	Color
751B281476	Black
751B281777	Yellow

Hardware:710-1237



Part No.	Color
7511681311	Black
7511681911	Red
7511682011	Gray

Hardware: - -

Part No.	Color

Hardware:

MANUFACTURER'S LIMITED WARRANTY

The limited warranty set forth below is given by MTD PRODUCTS INC ("MTD") with respect to new merchandise purchased and used in the United States, its possessions and territories.

MTD warrants this product against defects in material and workmanship for a period of two (2) years commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in material or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water or damage because of other peril or natural disaster. Damage resulting from the installation or use of any accessory or attachment not approved by MTD Products Inc. for use with the product(s) covered by this manual will void your warranty as to any resulting damages.

Normal wear parts or components thereof are subject to separate terms as follows: All normal wear part or component failures will be covered on the product for a period of 90 days regardless of cause. After 90 days, but within the two year period, normal wear part failures will be covered ONLY IF caused by defects in material or workmanship of OTHER component parts. Normal wear parts and components include, but are not limited to, belts, blades, blade adapters, grass bags, rider deck wheels, seats, snow thrower skid shoes, shave plates and tires. Batteries are covered by a 90-day limited replacement warranty.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE THROUGH YOUR LOCAL AUTHORIZED SERVICE DEALER. To locate the dealer in your area, please check for a listing in the Yellow Pages or contact the Customer Service Department of MTD PRODUCTS INC by calling 1-800-800-7310 or writing to P.O. Box 368022, Cleveland, Ohio 44136-9722.

This limited warranty does not provide coverage in the following cases:

a. The engine or component parts thereof. These items carry a separate manufacturer's warranty. Please refer to the applicable manufacturer's warranty on these items.
b. Log splitter pumps, valves and cylinders have a separate one year warranty.
c. Routine maintenance items such as lubricants, filters, blade sharpening and tune-ups, or adjustments such as brake adjustments, clutch adjustments or deck adjustments; and normal deterioration of the exterior finish due to use or exposure.
d. MTD does not extend any warranty for products sold or exported outside of the United States of America, its possessions and territories, except those sold through MTD's authorized channels of export distribution.

No implied warranty, including any implied warranty of merchantability or fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty or guaranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product shall bind MTD. During the period of the Warranty, the exclusive remedy is repair or replacement of the product as set forth above. (Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.)

The provisions as set forth in this Warranty provide the sole and exclusive remedy arising from the sales. MTD shall not be liable for incidental or consequential loss or damages including, without limitation, expenses incurred for substitute or replacement lawn care services, for transportation or for related expenses, or for rental expenses to temporarily replace a warranted product. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you.)

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. Alteration of the safety features of the product shall void this Warranty. You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the use or misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser, original lessee or the person for whom it was purchased as a gift.

How State Law Relates to this Warranty: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.