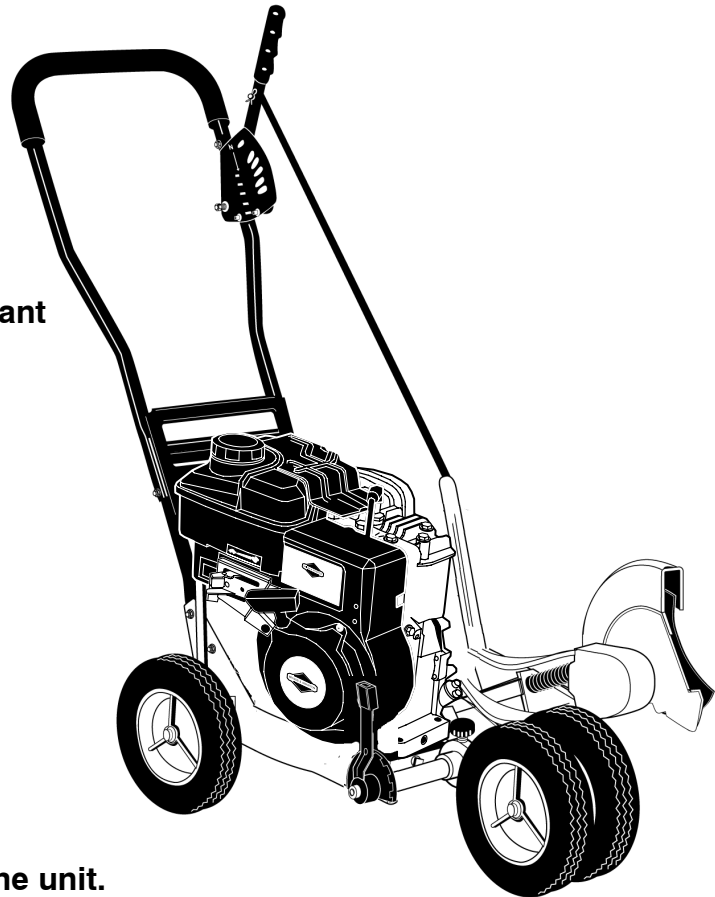




Operator's Manual – Model LE389

Read and keep this book for future reference. This book contains important information on **SAFETY, ASSEMBLY, OPERATION, AND MAINTENANCE.**



PRODUCT INFORMATION

The owner must be certain that all the product information is included with the unit. This information includes the **INSTRUCTION BOOKS**, the **REPLACEMENT PARTS** and the **WARRANTIES**. This information must be included to make sure state laws and other laws are followed.

Congratulations... Thank you for purchasing this quality Husquvarna product. We understand that there are many brands today from which you may choose, and we're pleased that you've placed your confidence in the Husquvarna brand. When operated and maintained according to the Operator's Manual, we believe this product will deliver many years of reliable service. Should you ever have any questions about the use or servicing of this unit, please feel free to contact our service network at the phone numbers and/or web addresses listed in this manual.



This manual contains safety information to make you aware of the hazards and risks associated with edgers, and how to avoid them. The edger is designed and intended only for lawn care edging and trimming, and should not be used for any other purpose. It is important that you read and understand these instructions, and that anyone who operates this equipment also read and understand these instructions.

IMPORTANT: Many units are not assembled and are sold in cartons. It is the responsibility of the owner to make sure the assembly instructions in this manual are exactly followed. Other units are purchased in an assembled condition. On assembled units, it is the responsibility of the owner to make sure the unit is correctly assembled. The owner must carefully check the unit according to the instructions in this manual before it is first used.

Need Assistance?

If you need additional information on assembly, operation, or service to your equipment call 1-800-HUSKY62 to speak to a representative. Additional information can be found online at www.usa.husqvarna.com.

Date of purchase: _____

Product model number: _____
(see "Features" page)

Serial number: _____

Engine model: _____
(see "Features" page)

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Safety

Assembly

Features

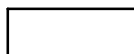
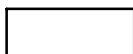
Operation

Maintenance

Trouble shooting


Specifications


Warranties





Safety

Symbols And Warnings


The safety alert symbol  is used to identify safety information about hazards that can result in personal injury. A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.

 **DANGER** indicates a hazard which, if not avoided, **will result in death or serious injury.**

 **WARNING** indicates a hazard which, if not avoided, **could result in death or serious injury.**



















 **CAUTION** indicates a hazard which, if not avoided, **might result in minor or moderate injury.**

CAUTION, when used **without** the alert symbol, indicates a situation that **could result in damage to the product.**

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

CAUTION
This engine is shipped from Briggs & Stratton without oil. If you start the engine without oil, the engine will be damaged beyond repair and will not be covered under warranty.

SYMBOLS ASSOCIATED WITH THIS PRODUCT

	Fire		Read Manual
	Explosion		Oil
	Kickback		Fuel
	Hot Surface		Fuel Shutoff
	Toxic Fumes		On Off
	Moving Parts		Choke
	Shock		Stop
	Wear Eye Protection		Slow
	Thrown Objects		Fast



WARNING

Gasoline and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

When Adding Fuel

- Stop the engine. Let engine cool at least 2 minutes before removing the gas cap.
- Fill fuel tank outdoors or in well-ventilated area.
- Do not overfill fuel tank. Fill tank to approximately 1-1/2 inches below top of neck to allow for fuel expansion.
- Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.
- Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.
- If fuel spills, wait until it evaporates before starting engine.

When Starting Engine

- Make sure spark plug, muffler, fuel cap and air cleaner are in place.
- Do not crank engine with spark plug removed.
- If engine floods, set choke to OPEN/RUN position, place throttle in FAST and crank until engine starts.

When Operating Equipment




- Do not tip engine or equipment at angle which causes gasoline to spill.
- Do not choke carburetor to stop the engine. Move the throttle control to the stop position to stop the engine.

When Transporting Equipment

- Transport with fuel tank EMPTY or with fuel shut-off valve OFF.

When Storing Gasoline Or Equipment With Fuel In Tank



- Store away from furnaces, stoves, water heaters or other appliances that have pilot light or other ignition source because they can ignite gasoline vapors.



WARNING

Starting engine creates sparking. Sparking can ignite nearby flammable gases. Explosion and fire could result.



- If there is natural or LP gas leakage in area, do not start engine.
- Do not use pressurized starting fluids because vapors are flammable.



WARNING

Engines give off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting or death.


- Start and run engine outdoors.
- Do not start or run engine in enclosed area, even if doors or windows are open.



WARNING

Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go. Broken bones, fractures, bruises or sprains could result.

- Before starting the engine, make sure to raise the blade.
- When starting engine, pull the starter cord slowly until resistance is felt, then pull rapidly.
- Remove all external equipment/engine loads before starting engine.
- Direct-coupled equipment components such as, but not limited to, blades, impellers, pulleys, sprockets, etc., must be securely attached.



WARNING

Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result.


- Operate equipment with guards in place.
- Keep hands and feet away from rotating parts.
- Tie up long hair and remove jewelry.
- Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught.
- Before unclogging the blade or making repairs, stop the engine by moving the throttle control to the stop position. Disconnect the wire from the spark plug.
- Before you adjust the wheels or change the position of the blade, stop the engine by moving the throttle control to the stop position.
- Never leave the unit unattended while the engine is running.
- Keep bystanders away from machine.




WARNING

Running engines produce heat. Engine parts, especially muffler, become extremely hot. Severe thermal burns can occur on contact. Combustible debris, such as leaves, grass, brush, etc. can catch fire.

- Allow muffler, engine cylinder and fins to cool before touching.
- Remove accumulated debris from muffler area and cylinder area.
- Install and maintain in working order a spark arrester before using equipment on forest-covered, grass-covered, brush-covered unimproved land. The state of California requires this (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal land.





WARNING

Unintentional sparking can result in fire or electric shock. Unintentional start-up can result in entanglement, traumatic amputation, or laceration.

Before performing adjustments or repairs:

- Disconnect the spark plug wire and keep it away from the spark plug.
- Use only correct tools.
- Do not tamper with governor spring, links or other parts to increase engine speed.

When testing for spark:



- Use approved spark plug tester.
- Do not check for spark with spark plug removed.



WARNING

Thrown debris can result in foreign objects being thrown into the eyes, which can cause severe eye damage.


- Always wear safety glasses or eye shields while you assemble, operate or do maintenance to the unit.

WARNING

Sharpening can damage the blade and cause it to break. Unintentional start-up can result in entanglement, traumatic amputation, or laceration.

- Never sharpen the blade, always replace. Sharpening the blade will cause the blade to shatter.
- Before doing an adjustment, maintenance or repair, disconnect the spark plug wire and keep it away from the spark plug.



WARNING

Do not move the choke control, if equipped, to CHOKE to stop the engine. Backfire, fire or engine damage could occur.

- To stop the engine, move the throttle control to the stop position. Do not move the choke control, if equipped, to CHOKE.

Operator Safety Rules

Before Use

- Read the owner's manual carefully. Be thoroughly familiar with the controls and the proper use of the Edger. Know how to stop the Edger and disengage the controls quickly.
- Do not operate the Edger without wearing adequate outer garments. Wear footwear that will improve footing on slippery surfaces. Wear safety glasses or eye shields to protect your eyes from thrown objects.
- Keep the area of operation clear of all persons, particularly small children and pets.
- Thoroughly inspect the area where the Edger is to be used and remove all foreign objects.

Fuel Safety

- Allow muffler and engine areas to cool before touching.
- Handle fuel with care; it is highly flammable.
- Use an approved container.
- Turn engine OFF and let engine cool at least 2 minutes before removing the gas cap.
- Check fuel supply before each use. Do not overfill fuel tank. To allow for fuel expansion, fill fuel tank to approximately 1-1/2 inches below top of fuel tank neck.
- Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors or near appliances with pilot lights, heaters, or other ignition sources. Replace fuel tank cap securely and wipe up spilled fuel.
- Never remove the fuel tank cap or add fuel to a running or hot engine.
- Never store fuel or Edger with fuel in the tank inside a building where fumes may reach an open flame (ignition source).

Operating Safety

- Never allow children to operate the Edger. Keep them away while it is operating. Never allow adults to operate the Edger without proper instruction.
- Do not operate this machine if you are taking drugs or other medication which can cause drowsiness or affect your ability to operate this machine.
- Do not use this machine if you are mentally or physically unable to operate it safely.
- To protect your eyes from foreign objects that may be thrown from the Edger, always wear safety

glasses or eye shields during operation or while performing an adjustment or repair.

- Do not put hands or feet near or under rotating parts.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- Exercise caution to avoid slipping or falling.
- Never operate the Edger without proper guards, plates, or other safety protection devices in place.
- Never operate the Edger at high transport speeds on slippery surfaces. Look behind and use care when backing.
- Never allow bystanders near the Edger.
- Keep children and pets away while operating.
- Never operate the Edger without good visibility or light.
- The exhaust fumes are dangerous, containing CARBON MONOXIDE, an ODORLESS and DEADLY GAS.
- Do not run the engine indoors.
- Make sure that spark plug, muffler, fuel cap and air cleaner are in place.
- Do not crank engine with spark plug removed.
- If fuel spills, wait until it evaporates before starting engine.
- Do not start the engine if there is LP or natural gas leakage in the area.
- Take all possible precautions when leaving the Edger unattended. Stop the engine.
- Do not overload the Edger capacity by attempting to till too deep at too fast a rate.

Safe Storage

- Always refer to the owner's manual instructions for important details if the Edger is to be stored for an extended period.
- Never store the Edger with fuel in the fuel tank inside a building where ignition sources are present such as water and space heaters, clothes dryers, and the like. Allow the engine to cool before storing in any enclosure.
- Keep the Edger in safe working condition. Check all fasteners at frequent intervals for proper tightness.
- To reduce fire hazards, keep the machine free of grass, leaves or other debris build-up. Clean up oil or fuel spills. Allow the machine to cool before storing.

Repair / Adjustments Safety

- After striking a foreign object, stop the engine. Remove the wire from the spark plug, and keep the wire away from the plug to prevent accidental starting. Thoroughly inspect the Edger for any damage, and repair the damage before restarting and operating.
- If Edger should start to vibrate abnormally, stop engine and check immediately for the cause.

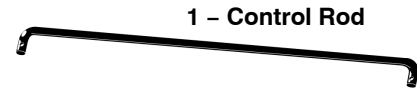
Vibration is generally a warning of trouble.

- Stop the engine whenever you leave the operating position. Also, disconnect the spark plug wire before unclogging the blade and when making any repairs, adjustments, or inspections.
- When cleaning, repairing, or inspecting, shut off the engine and make certain all moving parts have stopped.
- Never attempt to make any adjustments while the engine is running.

Assembly

Parts Packed Separately In Carton

- 1 – Owner’s Manual (not shown)
- 1 – Container Of Oil
- 1 – Upper Handle
- 1 – Lower Handle
- 1 – Handle Panel
- 4 – Wheels
- 1 – Hardware Parts Bag



Assembly

The fasteners are shown at full size. The quantities are shown in brackets ().

NOTE: Some models will not use every fastener shown on this page.

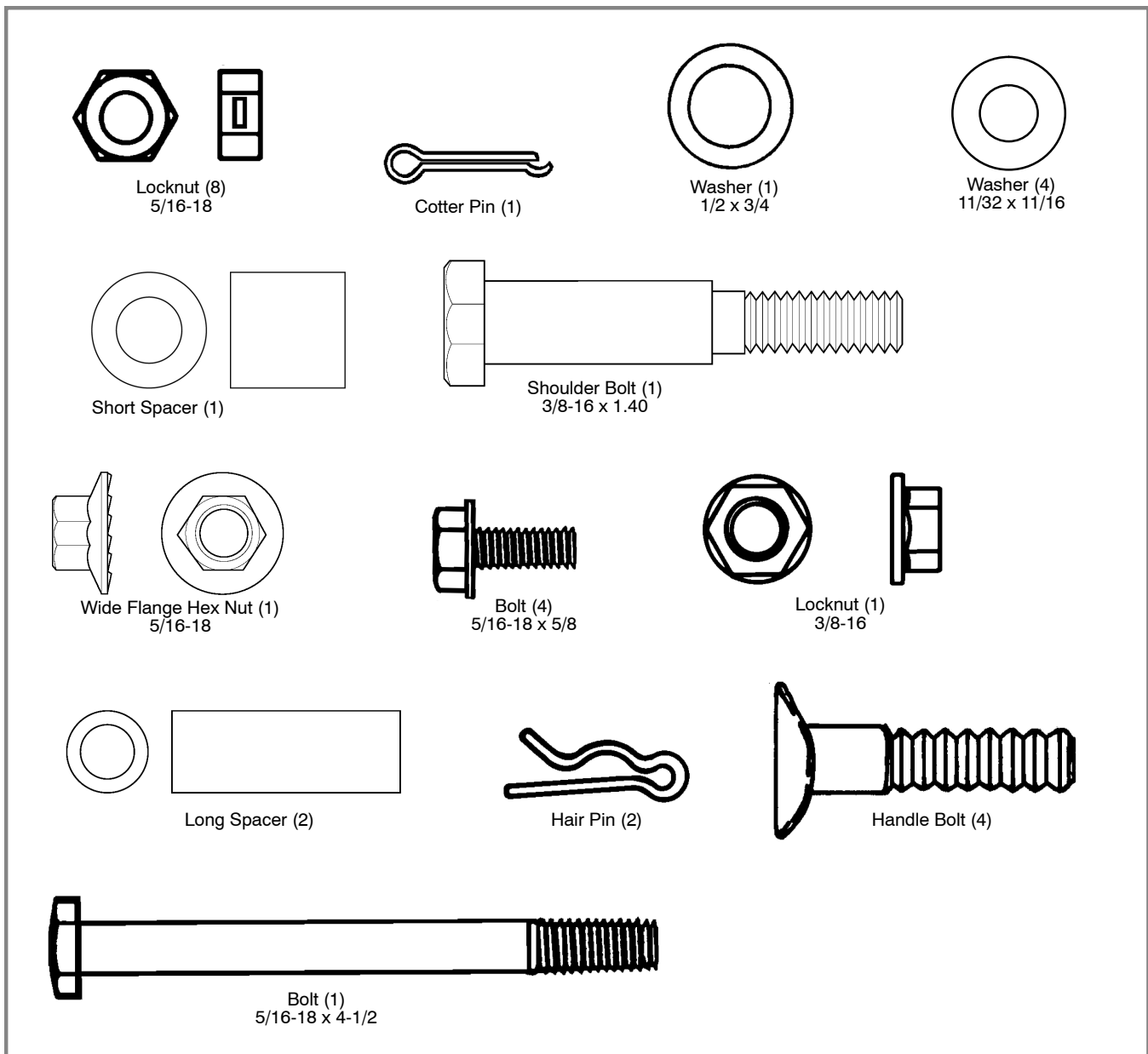


Figure 1: Parts Bag Contents



	 WARNING
Thrown debris can result in foreign objects being thrown into the eyes, which can cause severe eye damage.	
<ul style="list-style-type: none"> • Always wear safety glasses or eye shields while you assemble, operate or do maintenance to the unit. 	

Figure 2 shows the product completely assembled.

References to the right or left side are from the viewpoint of the operator's position behind the unit.

Removal From The Carton

- 1 Remove the lower handle, upper handle, control rod and packing material from the carton.
- 2 Remove the wheels from the carton.
- 3 Remove the bottle of oil and the parts bag from the carton.
- 4 Cut down all four corners of the carton.
- 5 Remove the packing material positioned around the front and rear of the unit.
- 6 Assemble the unit on the carton or Lift the unit out of the carton and place on a hard level surface.



Figure 2: Product Completely Assembled

How To Assemble The Handle

For ease of assembly, attach the lower handle before mounting the wheels.

- 1 Mount the lower handle (A) to the inside of the edger frame (B). Fasten the lower handle with the fasteners (C, D) shown in Figure 3. As you tighten the fasteners, pull back on the lower handle.
- 2 Attach the right rear wheel (E) to the wheel support rod (F) with the fasteners (G, H) shown in Figure 4.
- 3 Attach the left rear wheel (J) and the short spacer (K) to the edger frame with the fasteners (L, M) shown in Figure 5.
- 4 Attach the front wheels (N) and long spacers (O) to the front wheel arm (P) with the fasteners (Q, R, S) shown in Figure 6.

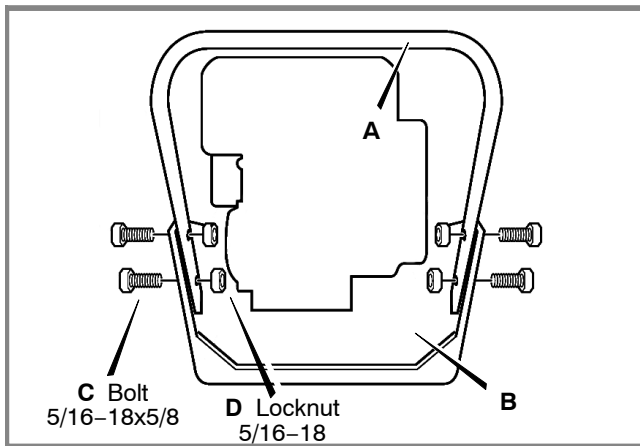


Figure 3: Lower Handle

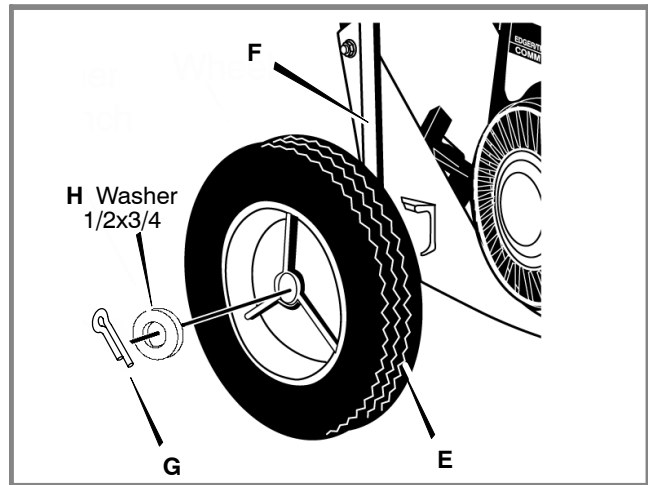


Figure 4: Right Rear Wheel

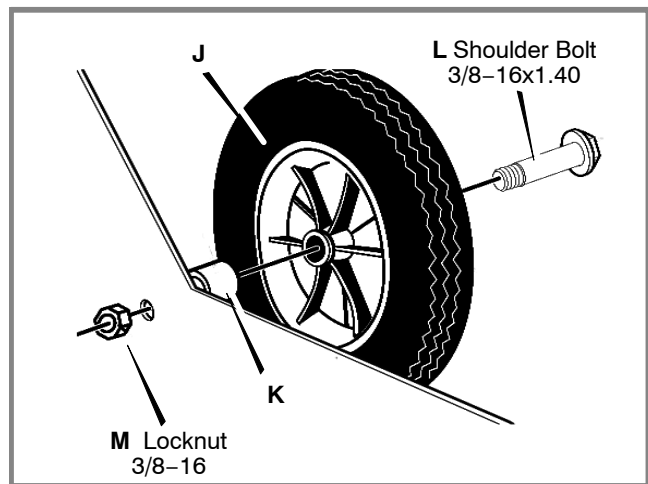


Figure 5: Left Rear Wheel

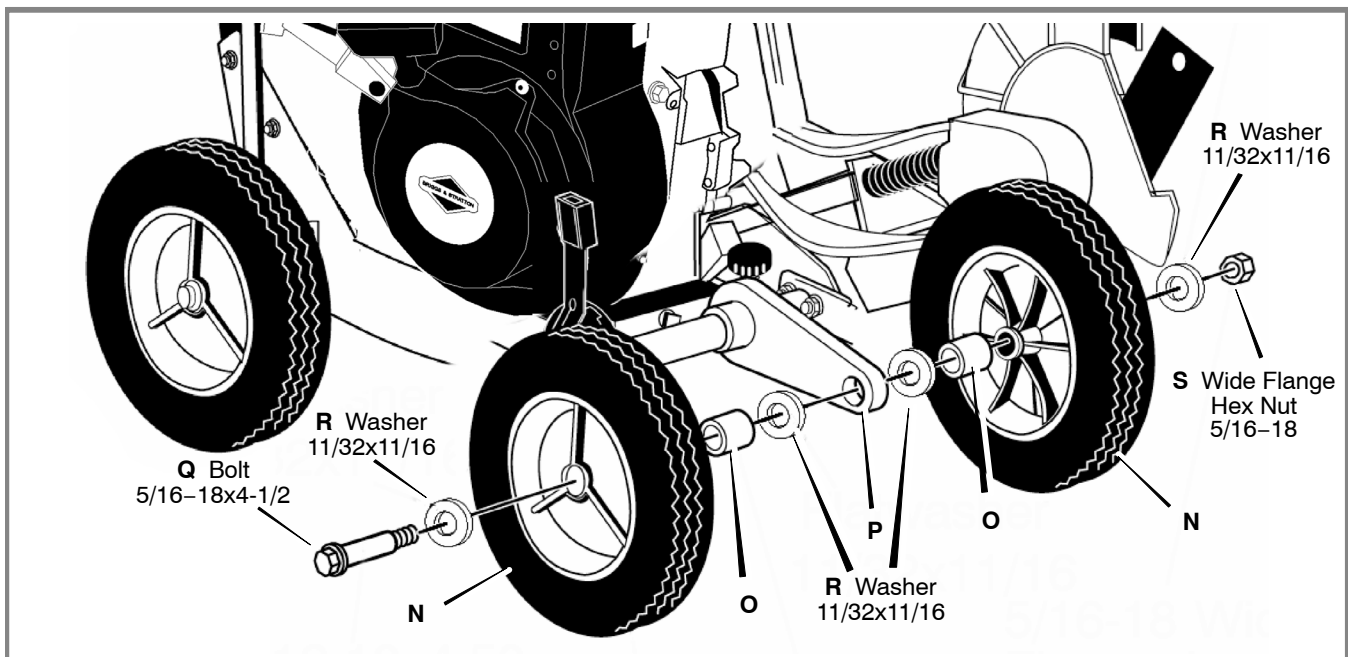


Figure 6: Front Wheels

Assembly

- 5 Assemble the upper handle (T) and the handle panel (U) to the lower handle (V) with the fasteners (W, X) shown in Figure 7. Make sure the locknuts (X) are on the inside of the lower handle.
- 6 Slide one end of the clutch rod (Y) from left to right through the hole in the clutch lever (Z). Secure with the hair pin (A) shown in Figure 7.
- 7 Move the clutch lever to the first depth position. Attach the other end of the control rod to the quill support arm (B) with the hair pin (C) as shown in Figure 7.
- 8 Move the clutch lever back to the "N" NEUTRAL position.

NOTE: If it is difficult to move the clutch lever to the "N" NEUTRAL position, loosen the fasteners that hold the lower handle to the edger frame (see Figure 8). Raise the handle until the clutch lever will easily move to the "N" NEUTRAL position. Tighten the fasteners.

- 9 When the clutch lever is in NEUTRAL position, the quill support arm must be close to the screw (D) as shown in Figure 8.

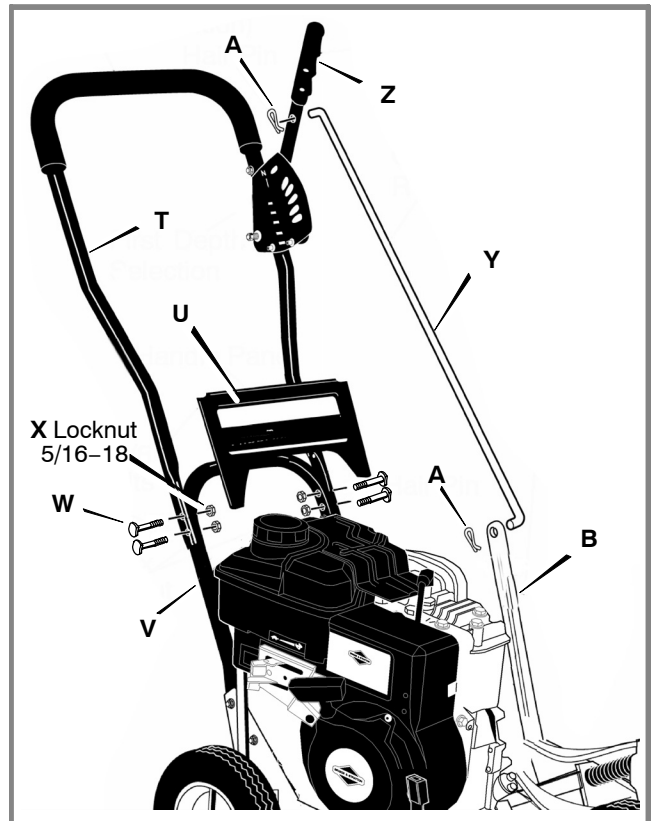


Figure 7: Handle Assembly

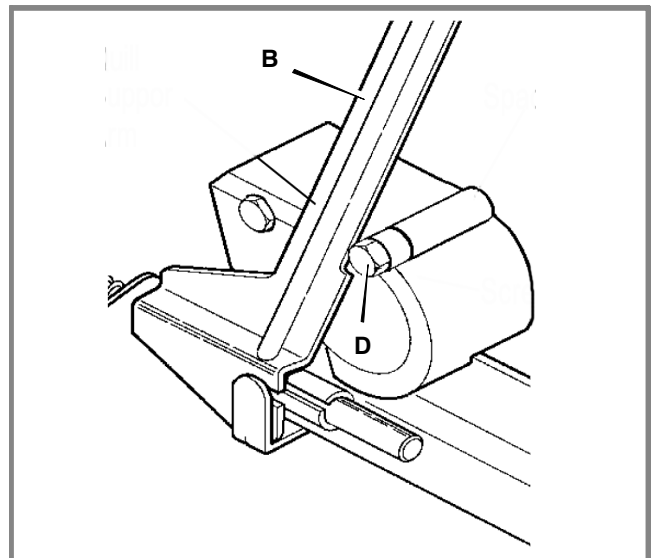


Figure 8: Quill Support Arm

✓ Assembly Checklist

For the best performance and satisfaction from this quality product, please review the following checklist before you operate the product:

- ✓ All assembly instructions have been completed.

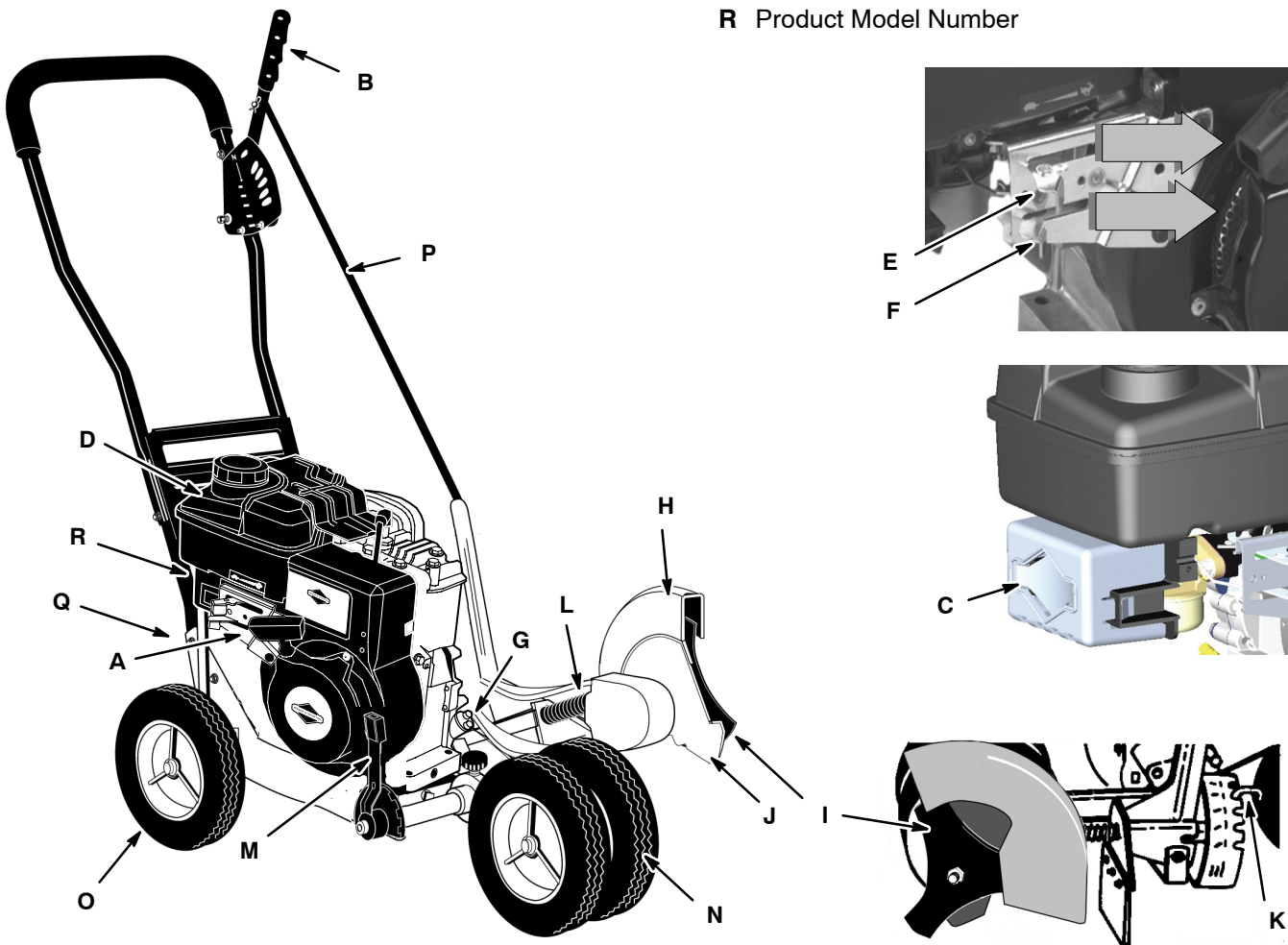
- ✓ Check carton. Make sure no loose parts remain in the carton.
- ✓ All fasteners have been properly tightened.
- ✓ Add engine oil to the engine. See "Before Starting Engine" in the Operation Section.

Features

Know your product: If you understand the unit and how the unit operates, you will get the best performance. As you read this manual, compare the illustrations to the unit. Learn the location and the function of the controls. To help prevent an accident, follow the operating instructions and the safety rules. Keep this manual for future reference.

- A** Recoil Start Handle – The engine is equipped with an easy pull recoil starter.
- B** Clutch / Depth Control Lever – Use to start and stop the blade and to control the depth of cut.
- C** Air Filter
- D** Fuel Tank
- E** Throttle Control – Controls the speed of the engine.
- F** Choke Control – Use to start a cold engine.
- G** Oil Fill
- H** Blade Guard – Use to prevent stones and debris from being thrown at the operator.
- I** Blade
- J** Blade Guide
- K** Index Lever – Use the index lever to change the angle of the blade. For edging, set the blade in a vertical position. For trimming, set the blade in a horizontal position.
- L** Quill Assembly
- M** Curb Height Lever – Use to set the front wheel height on uneven surfaces.
- N** Adjustable Front Wheel – Front wheel is adjustable from side-to-side for balance. The front wheel can also be adjusted down for curb-hopping.
- O** Adjustable Rear Wheel – Right rear wheel is adjustable to level the Edger when edging along a curb (curb-hopping).
- P** Control Rod
- Q** Engine Model Number
- R** Product Model Number

Features



Operation

Before Starting The Engine

CAUTION
This engine was shipped from the factory without oil. If you start the engine without oil, the engine will be damaged beyond repair and will not be covered under warranty.

Eye Protection

Always wear safety glasses. If you wear eye glasses, put a Wide Vision Safety Mask over your eye glasses.

	WARNING
	Thrown debris can result in foreign objects being thrown into the eyes, which can cause severe eye damage.

- Always wear safety glasses or eye shields while you assemble, operate or do maintenance to the unit.

Operation

Oil Capacity

The engine holds approximately 20 ounces (0.6 liter) of oil.

Oil Recommendation

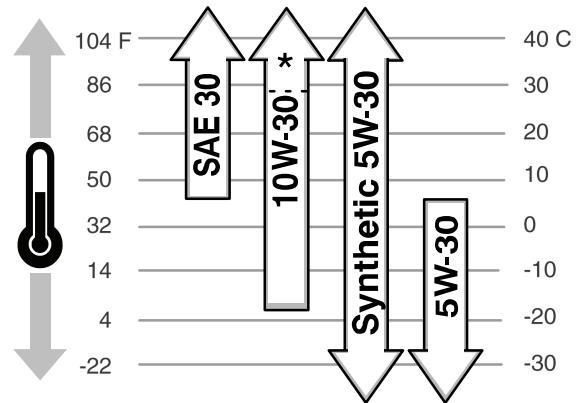
Choose a viscosity from the following chart.

SAE 30 40°F and higher (5°C and higher)
is good for all purpose use above 40°F, use below 40°F will cause hard starting.

10W-30 0 to 100°F (-18 to 38°C)
is better for varying temperature conditions. This grade of oil improves cold weather starting, but may increase oil consumption at 80°F (27°C) or higher.
★ Check oil level frequently at higher temperatures.

Synthetic 5W-30 -20 to 120°F (-30 to 40°C)
provides the best protection at all temperatures as well as improved starting with less oil consumption.

5W-30 40°F and below (5°C and below)
is recommended for winter use, and works best in cold conditions.



Add Oil

- 1 Make sure the engine is level.
- 2 Clean the oil fill cap (A) of debris.
- 3 Remove the oil fill cap and wipe with a clean cloth.
- 4 Slowly fill the engine crankcase. DO NOT OVERFILL. The engine holds approximately 20 ounces (0.6 liter) of oil.
- 5 Install and firmly tighten the oil fill cap.

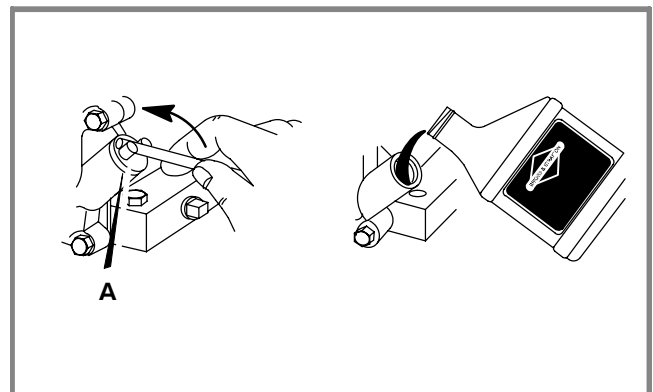


Figure 9: Oil Fill

Gasoline Requirements

All gasoline is not the same. If a starting or performance problem is encountered after new gasoline has been used, try another service station or change brands.

This engine is designed to operate on gasoline. The emission control system for this engine is EM (Engine Modifications).

Type of gasoline to use

Always use gasoline that meets these requirements:

- Clean, fresh, unleaded gasoline.
- A minimum of 87 octane/87 AKI (91 RON). At altitudes over 5,000 feet, see “High-altitude use”.
- Gasoline with up to 10% ethanol (gasohol) or up to 15% MTBE (methyl tertiary butyl ether), is acceptable.
- Use of any gasoline other than those approved above will **void the engine warranty**. Some areas require that fuel pumps be marked if the gasoline contains alcohols or ethers. If you are not sure if your gasoline contains alcohol or ethers that are different than those approved above, then check with the service station operator.
- Do not modify the engine fuel system or carburetor to run on alternative fuels.
- Never mix oil with gasoline.

Gasoline Storage

Follow these guidelines when storing gasoline for longer than 30 days:

- If fuel stabilizer is used, you do not need to drain gasoline prior to storage.
- If no fuel stabilizer is used, then always remove gasoline from engine during storage.

Fuel stabilizer

- If you do not want to remove the gasoline, add a fuel stabilizer to any gasoline left in the fuel tank. A fuel stabilizer will minimize gum deposits and acids. If the fuel tank is almost empty, mix the fuel stabilizer with fresh gasoline in a separate container and add the mixture to the fuel tank. Always follow the instructions on the stabilizer container. Start the engine. Let the engine run for 3 minutes to allow the mixture to reach the carburetor.

High-altitude use

At higher altitudes (over 5,000 feet), 85 octane / 85 AKI (89 RON) gasoline can be used. Operation at high altitude may require a high-altitude carburetor jet kit to improve performance and decrease fuel consumption.

Adding Fuel

- 1 Stop the engine. Before you remove gas cap (A), let the engine cool at least 2 minutes.
- 2 Remove the gas cap. Fill the fuel tank (B) to approximately 1-1/2 inches below top of neck to allow for fuel expansion. Be careful, do not overfill.
- 3 Before starting the engine, replace the gas cap.

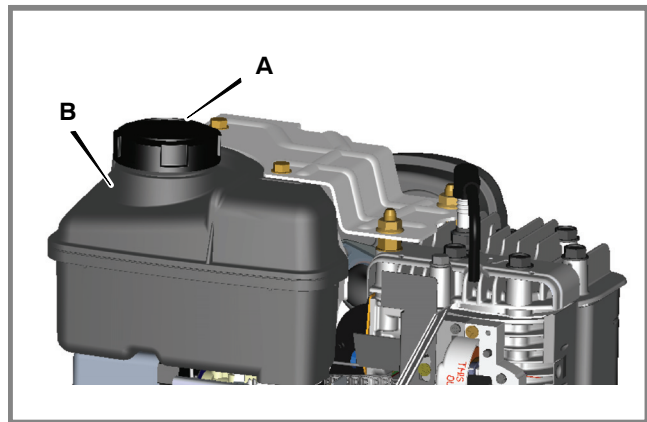




Figure 10: Gas Cap

Operation

 	<p>WARNING</p> <p>Gasoline and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.</p>
<p>When Adding Fuel</p> <ul style="list-style-type: none">• Stop the engine. Let engine cool at least 2 minutes before removing the gas cap.• Fill fuel tank outdoors or in well-ventilated area.• Do not overfill fuel tank. Fill tank to approximately 1-1/2 inches below top of neck to allow for fuel expansion.• Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.• Check fuel lines, tank, cap, and fittings frequently for cracks or leaks. Replace if necessary.	

How To Start The Engine



! WARNING

Engines give off carbon monoxide, an odorless, colorless, poison gas. Breathing carbon monoxide can cause nausea, fainting or death.


- Start and run engine outdoors.
- Do not start or run engine in enclosed area, even if doors or windows are open.



! WARNING

Rotating parts and belts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result.

- Keep hands and feet away from rotating parts.
- Before starting the engine, raise the blade so that it will not contact the ground.

- 2 Move the throttle control lever (B), if equipped, to the FAST  position (see Figure 12).
- 3 Move the choke control lever (C) to the CHOKE position (see Figure 12).

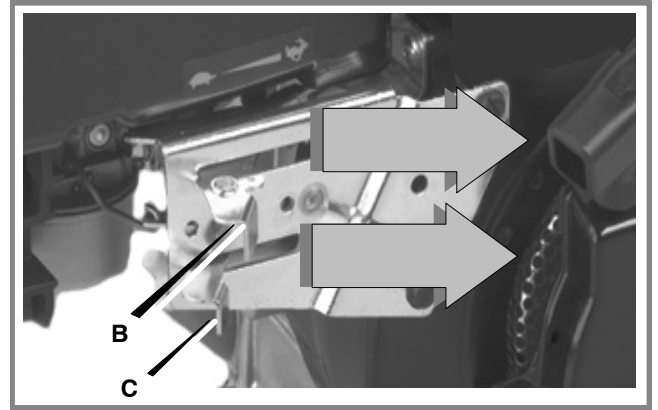


Figure 12: Engine Controls

Operation

CAUTION

This engine was shipped from the factory without oil. If you start the engine without oil, the engine will be damaged beyond repair and will not be covered under warranty.

- 1 Before starting the engine, pull the clutch /depth control lever (A) all the way back to raise and disengage the blade. See Figure 11.

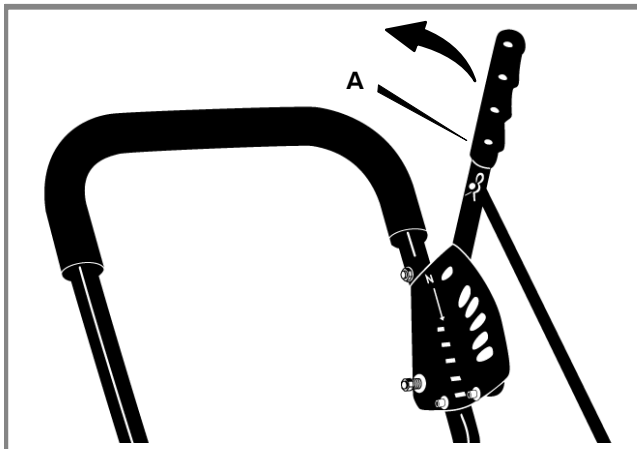



Figure 11: Clutch / Blade Depth Lever

- 4 Hold the recoil starter handle (D) firmly with your right hand (see Figure 13).
- 5 Hold the edger handle firmly with your left hand.
- 6 Slowly pull the starter rope handle until resistance is felt, then pull quickly. DO NOT allow the starter rope to snap back. Let the rope slowly rewind.
- 7 When the engine starts, move the throttle control lever forward to the FAST position to increase speed or back to decrease speed. During normal use, run the engine at full speed .
- 8 If assistance is needed, see the “Troubleshooting” Chart.

NOTE: The cutting blade speed is controlled by the engine speed.

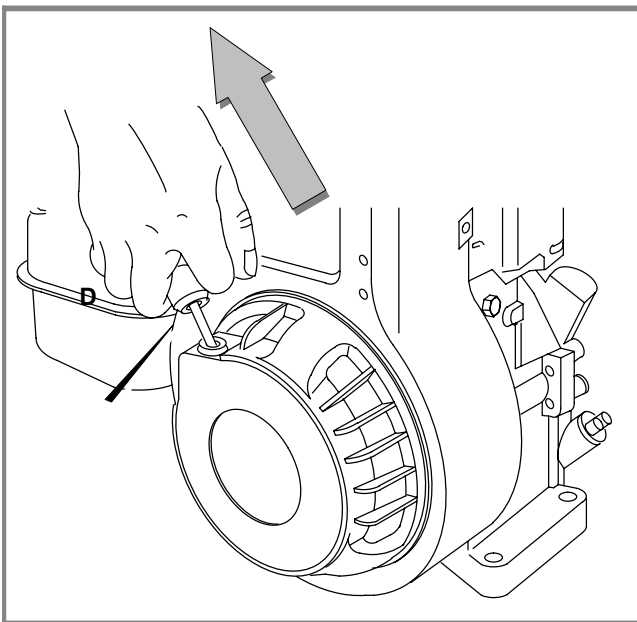


Figure 13: Recoil Start

WARNING



Rapid retraction of starter cord (kickback) will pull hand and arm toward engine faster than you can let go. Broken bones, fractures, bruises or sprains could result.

- Before starting the engine, make sure to raise the blade.
- When starting engine, pull the starter rope handle slowly until resistance is felt, then pull rapidly.
- Remove all external equipment/engine loads before starting engine.
- Direct-coupled equipment components such as, but not limited to, blades, impellers, pulleys, sprockets, etc., must be securely attached.

How To Stop

Emergency Stopping


To immediately stop the engine and the blade, move the throttle control (A), located on the engine, to the stop position (see Figure 14).

To immediately stop only the blade, pull the clutch/depth control lever (B) all the way back to raise and disengage the blade (see Figure 15).

Normal Stopping

First, move the clutch/depth control lever (B) back to raise and disengage the blade (see Figure 15). Then, move the throttle control (A), located on the engine, to stop (see Figure 14).

How To Use The Throttle Control

- 1 The **throttle control** is located on the engine.
- 2 During normal use, run the engine at full speed  (see Figure 14).

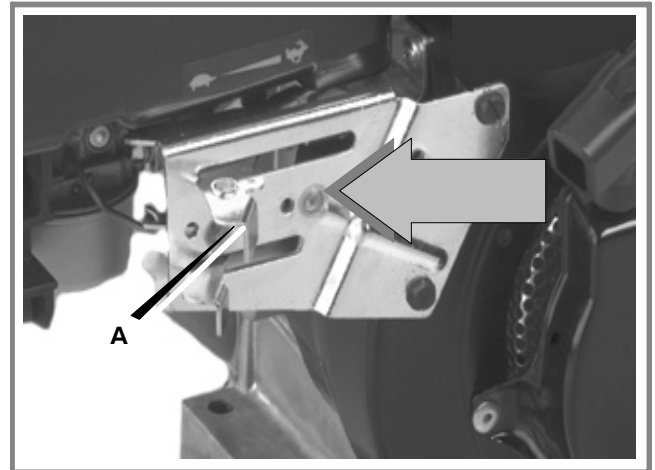


Figure 14: Engine Controls

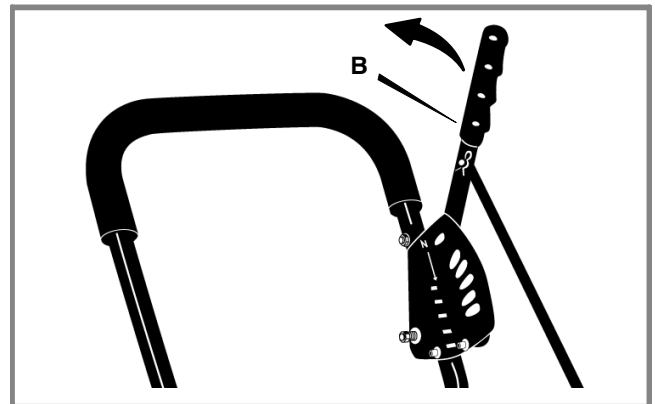


Figure 15: Clutch Lever



WARNING

Do not move the choke control (if equipped) to CHOKE to stop the engine. Backfire, fire or engine damage could occur.

- To stop the engine, move the throttle control to the stop position.



WARNING


Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories.

Broken bones, fractures, bruises or sprains could result.

Traumatic amputation or severe laceration can result.

- Operate equipment with guards in place.
- Keep hands and feet away from rotating parts.
- Tie up long hair and remove jewelry.
- Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught.
- While the engine is running, never leave the unit unattended. Always disengage the cutting blade and stop the engine.

How To Use The Clutch/Depth Control Lever

	WARNING
	Thrown debris can cause severe laceration.
<ul style="list-style-type: none">• Keep a safe distance from rotating blade during operation.	

The clutch / depth control lever has two blade functions, a clutch and a depth control. When the lever is moved forward, the clutch will first engage the edger blade. Continue to move the lever forward to lower the edger blade and to set the depth of cut.

- 1 Start the engine.
- 2 To engage the blade, push the lever (B) forward (see Figure 16).
- 3 To lower the cutting blade, continue moving the lever forward. There are five positions down to approximately 2–3/4 inches deep. Set the lever in one of the five positions.
- 4 To raise the cutting blade, pull the lever back.

NOTE: For deep edging, first cut at shallow depths. Then, cut at greater depths until the desired depth is obtained.

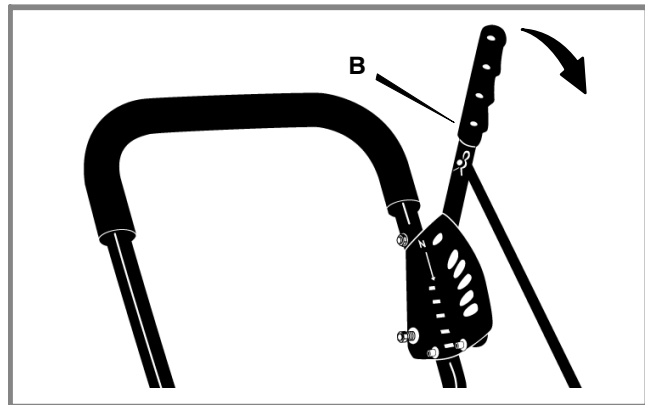



Figure 16: Clutch / Depth Control Lever

	WARNING
	Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result.
<ul style="list-style-type: none">• Operate equipment with guards in place.• Keep hands and feet away from rotating parts.• Tie up long hair and remove jewelry.• Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught.• Never leave the unit unattended while the engine is running.• Keep bystanders away from machine.	

Operation

How To Use The Index Lever

- 1 Stop the engine. Do not change the position of the index lever while the engine is running.
- 2 Disconnect the spark plug wire from the spark plug.
- 3 Loosen the front wheel knob (A) shown in Figure 17. Slide the front wheel (B) all the way to the right side.
- 4 Securely tighten the front wheel knob.

CAUTION

To prevent the blade (C) from hitting the wheel while trimming, make sure the front wheel is set in the extreme right position.

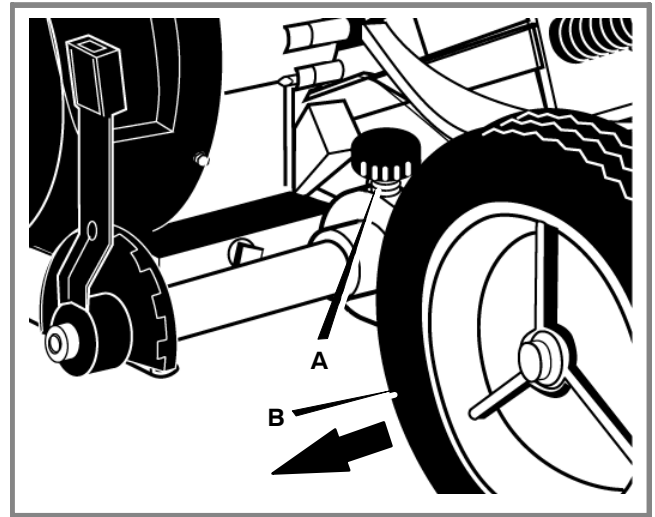


Figure 17: Front Wheel Knob

Operation

- 5 Disengage the index lever (D) (see Figure 18). Move the index lever to the desired position.
 - For *edging*, set the index lever at a desired angle position (0° to 45°). Usually, angle position 30° or 45° will provided the desired result (see Figure 18).
 - For *trimming*, set the index lever at angle position 90° (see Figure 19).
- 6 Connect the spark plug wire to the spark plug.
- 7 Start the engine.
- 8 Move the clutch lever to the desired height. See “How To Use The Clutch / Depth Control Lever” in the Operation Section.

NOTE: For deep edging, first cut at shallow depths. Then, cut at greater depths until the desired depth is obtained.

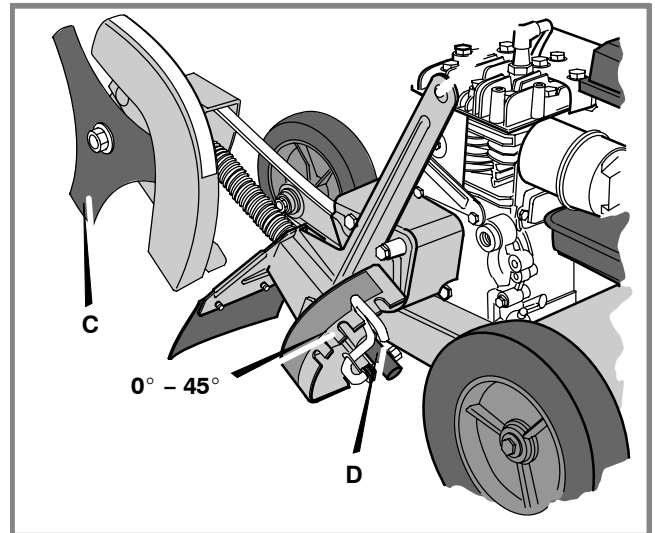


Figure 18: Edging Position

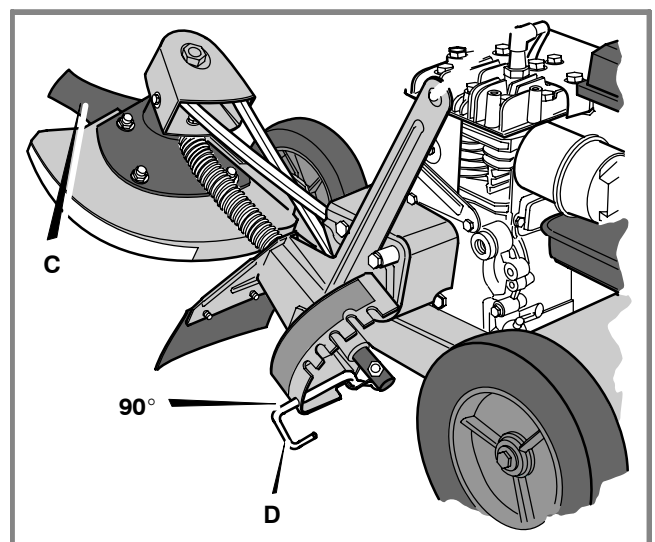


Figure 19: Trimming Position

WARNING



Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories.


Traumatic amputation or severe laceration can result.

- Before you adjust the wheels or change the position of the blade, release the engine stop lever to stop the engine.
- Do not change the position of the index lever while the engine is running.
- Change the cutting angle of the blade only when the engine is not running.

How To Operate The Edger

The edger is designed to cut a small trench along sidewalks and driveways or to trim close to trees, flower beds, lampposts, etc. The main reason for edging is to enhance the overall appeal of the yard. A cleanly-edged yard gives a nice, overall finished look.

Always dress properly to protect against flying debris. Wear substantial shoes, long pants and close-fitting clothes that are not likely to get caught in the machinery. Also, make sure to wear safety glasses or goggles.

**WARNING**

Thrown debris can result in foreign objects being thrown into the eyes, which can cause severe eye damage.

- Always wear safety glasses or eye shields while you assemble, operate or do maintenance to the unit.

To reduce the risk of flying debris, inspect the area and remove any stones, sticks or other objects that could be thrown by the edger.

If the lawn has not been edged in a while, it may take several passes to obtain a nice, clean edge.

Because the front wheel and the right rear wheel are adjustable, the edger can be used on uneven surfaces, such as the curb shown in Figure 21.

NOTE: References to the right or left side of the edger are from the viewpoint of the operator's position behind the unit.

- 1 Before you start the engine, move the depth control lever (C) back until the blade (A) will not contact the ground.
- 2 When edging along a concrete driveway or sidewalk, set the wheels on the concrete and position the blade along the left side of the driveway. To position the edger on a curb, see the "Curb-hop feature" section. To keep the blade from hitting the driveway, make sure to keep the blade guide (B) aligned with the side of the driveway (see Figure 20).

- 3 Start the engine. See "How To Start The Engine".
- 4 Move the depth control lever forward to lower the blade. Do not try to edge too deep. It may take several passes to obtain a nice clean edge.
- 5 Stand behind the edger and firmly hold the handle (D). See Figure 20. As the blade begins to cut, slowly move forward.
- 6 Proceed at a moderate pace until you are comfortable with the handling of the edger.

NOTE: To operate on a curb, see the "Curb-hop feature" section.

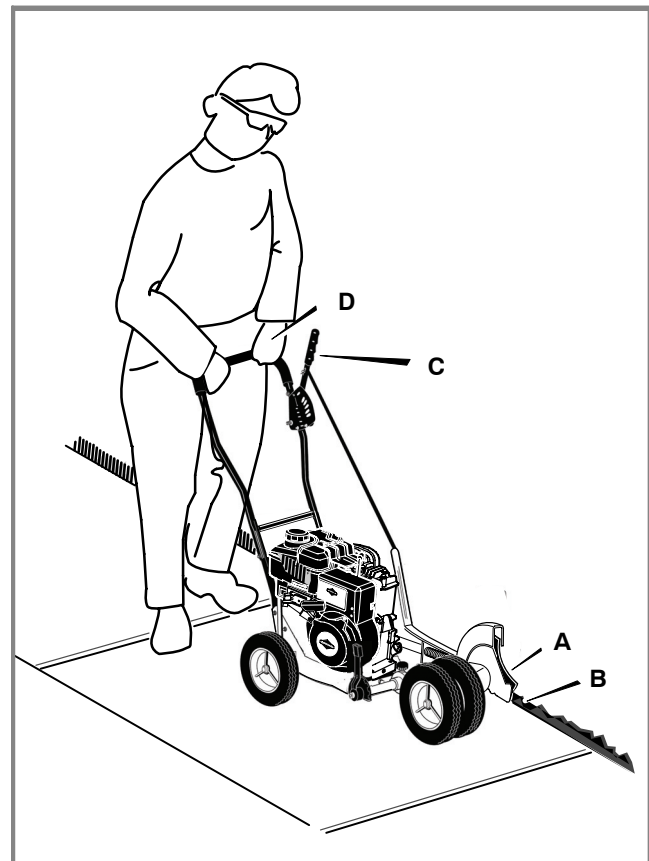


Figure 20: Operation Of Edger

Operation

Curb-hop feature

- 1 Stop the engine. Never adjust the wheels while the engine is running.
- 2 Disconnect the spark plug wire from the spark plug.
- 3 Set the entire unit on the curb level. Loosen the front wheel knob (A). See Figure 21.
- 4 Slide the front wheel (B) all the way to the right and tighten the front wheel knob.
- 5 Use the curb height adjust lever (C) to lower the front wheel. Lower the front wheel until the front wheel is level with the left rear wheel.
- 6 Position the unit so that both the right rear wheel (D) and the front wheel are off to the side of the curb and the left rear wheel is on the curb as shown in Figure 21.
- 7 Loosen the rear wheel knob (E) to lower the right rear wheel to the pavement. Tighten the rear wheel knob.
- 8 Use the curb height adjust lever to lower the front wheel to the setting where the front wheel touches the pavement and the unit is level.
- 9 Connect the spark plug wire to the spark plug.

WARNING

Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result.



- Never adjust the wheels or the blade while the engine is running.
- Before you adjust the wheels or change the blade position, disconnect the spark plug wire and keep it away from the spark plug.
- While the engine is running, never leave the unit unattended.
- Keep bystanders away from machine.

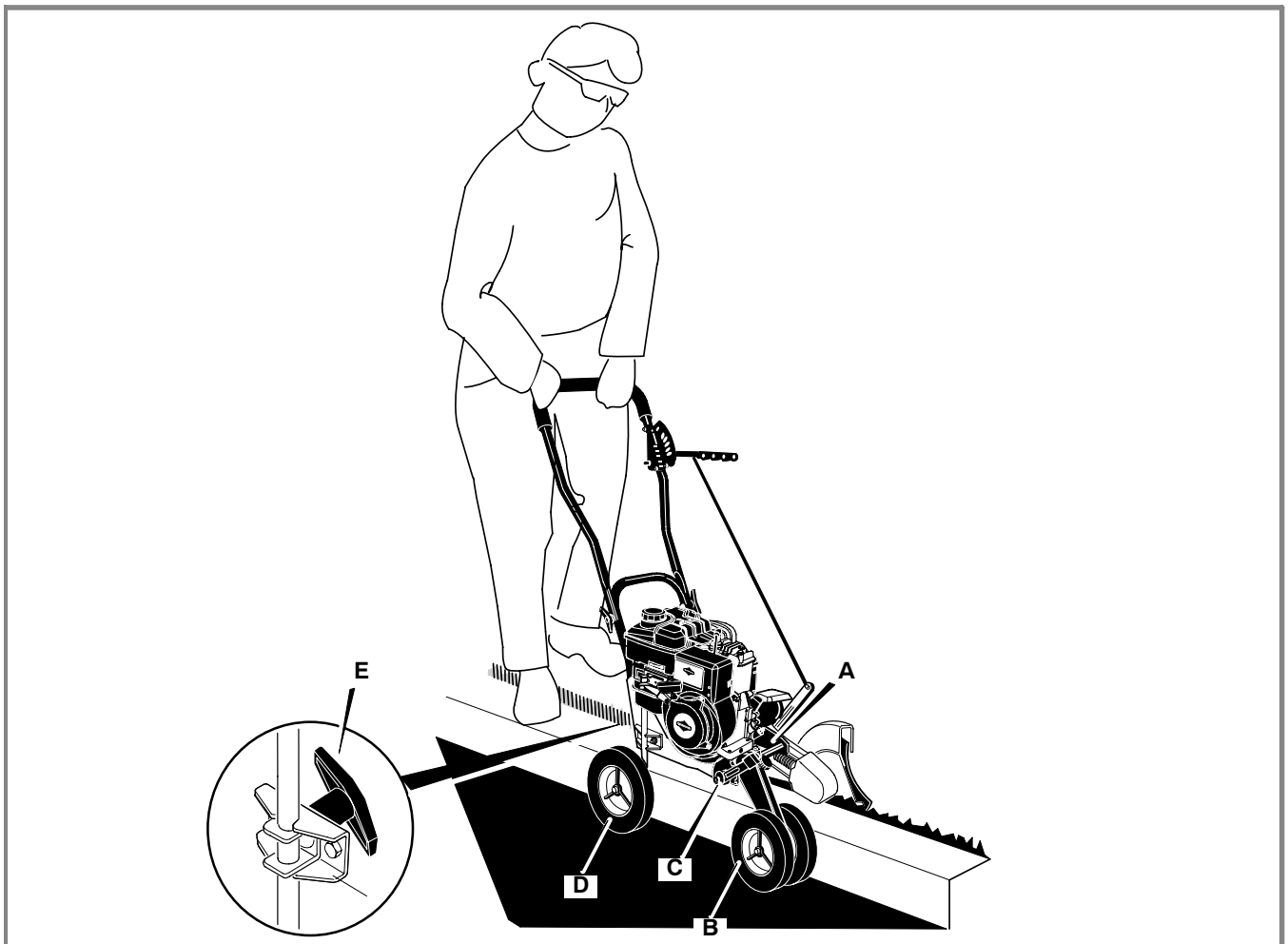




Figure 21: Curb-Hopping Feature

Edging Tips

- Edging is best performed when conditions are dry. If the soil is too wet, dirt becomes packed around the blade causing premature belt wear and decreased performance.
- If dirt does become packed around the blade, stop the engine and remove the wire from the spark plug. Remove the packed dirt and debris from the blade.
- For deep edging, first cut at shallow depths. Then, cut at greater depths until the desired depth is obtained.
- For uniform edging, make sure the blade guide rides on the surface.
- Before you begin mowing, try first edging around the lawn. Use the edger along hard edges such as sidewalks and driveways.

	 WARNING
	Rotating parts can contact or entangle hands, feet, hair, clothing, or accessories. Traumatic amputation or severe laceration can result.
<ul style="list-style-type: none">• Operate equipment with guards in place.• Keep hands and feet away from rotating parts.• Tie up long hair and remove jewelry.• Do not wear loose-fitting clothing, dangling drawstrings or items that could become caught.• Before unclogging the blade or making repairs, stop the engine by releasing the engine stop lever. Disconnect the wire from the spark plug.• Never leave the unit unattended while the engine is running.• Keep bystanders away from machine.	

Operation

Maintenance

Maintenance Chart						
PROCEDURE	Before Each Use	First 5 to 8 Hours	Every 25 Hours	Every 50 Hours	Every 100 Hours	Before Storage
E Lubricate All Pivot Points			√			√
D Lubricate Wheel Axles			√			√
G Drive Belt, Check	√					√
E Tighten All Fasteners	√					√
R Check Blade for Wear or Damage	√					√
Oil, Check	√					
E Oil, Change ***		√		√		
N Cooling System, Clean *				√		√
G Air Filter, Clean / Replace **				√		√
I Muffler, Check				√		
N Spark Plug, Clean / Replace					√	√
E Inspect Spark Arrester				√		

* In dusty conditions, clean every 25 hours.

** In dusty conditions or when airborne debris is present, clean more often. Replace air cleaner if it is very dirty.


*** **Change oil after first 5 to 8 hours of use**, then every 50 hours. Change oil every 25 hours when operating the engine under heavy load or in high temperatures.

Maintenance

Regular maintenance will improve the performance and extend the life of the equipment. See any Authorized Husqvarna service dealer for service.

Use only original equipment replacement parts. Other parts may not perform as well, may damage the unit, and may result in injury. In addition, use of other parts may void your warranty.


- Check the fasteners. Make sure all fasteners are tight.
- Follow the information in the Maintenance section to keep the unit in good operating condition.



WARNING

Thrown debris can result in foreign objects being thrown into the eyes, which can cause severe eye damage.

- Always wear safety glasses or eye shields while you assemble, operate or do maintenance to the unit.



WARNING

Unintentional sparking can result in fire or electric shock.

Unintentional start-up can result in entanglement, traumatic amputation, or laceration.

Before performing adjustments or repairs:

- Disconnect the spark plug wire and keep it away from the spark plug.
- Use only correct tools.
- Do not tamper with governor spring, links or other parts to increase engine speed.

When testing for spark:

- Use approved spark plug tester.
- Do not check for spark with spark plug removed.

How To Remove The Belt

The belt (A) is made of a special compound. If the belt becomes worn or breaks, replace the belt with an original equipment belt.

- 1 Disconnect the spark plug wire from the spark plug.
- 2 Pull the clutch / depth control lever (B) back to release the tension from the belt (see Figure 22).

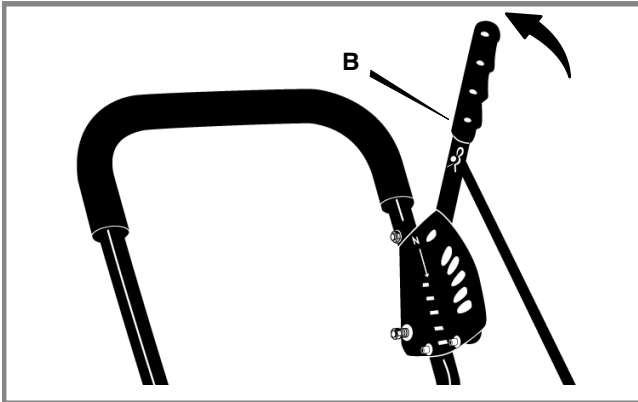


Figure 22: Clutch / Depth Control Lever

- 3 Remove the two screws (C) and spacers (D) from the top of the engine pulley cover (E). Remove the engine pulley cover (see Figure 23).
- 4 Loosen, do not remove, the screw (F) that holds the belt guide (G). Then, move the belt guide away from the belt.
- 5 Remove the two screws (H) from the belt guard (J) (see Figure 24).
- 6 Remove the old belt from the engine pulley (K) and from the quill assembly pulley (L). Replace with an original equipment belt.
- 7 To install a new belt, reverse the above steps.

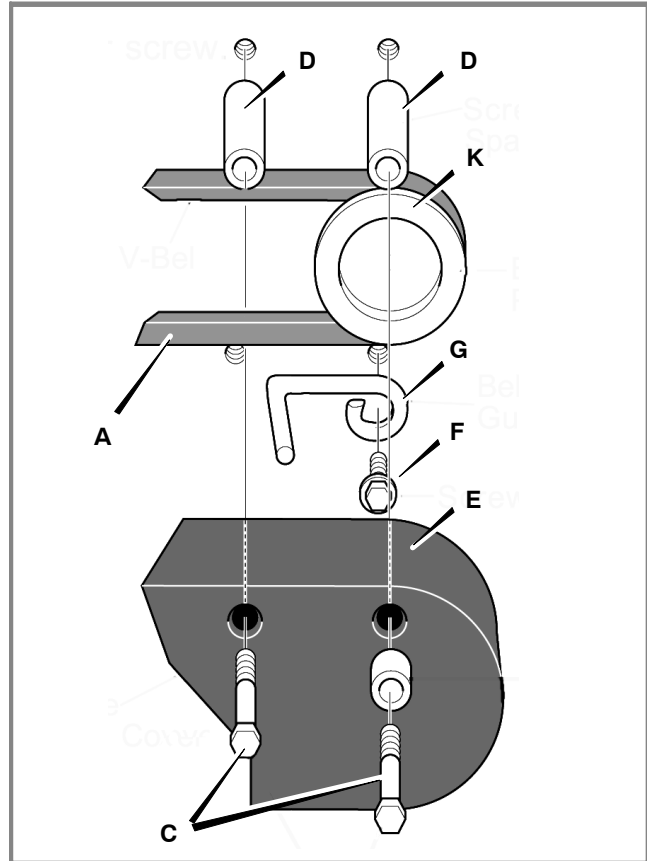


Figure 23: Belt Removal

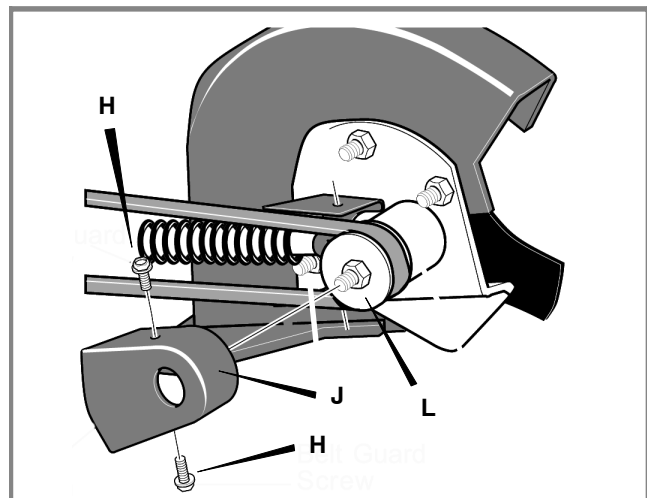


Figure 24: Belt Guard

How To Replace The Blade

The blade is subject to wear and damage, such as nicks and dents. This is normal and does not affect its function.

The blade does not require sharpening. Do not sharpen the blade.

If both sides of the blade (A) are severely worn or damaged, replace as follows.

- 1 Disconnect the spark plug wire from the spark plug.
- 2 Remove the blade locknut (B) that holds the blade to the drive shaft.

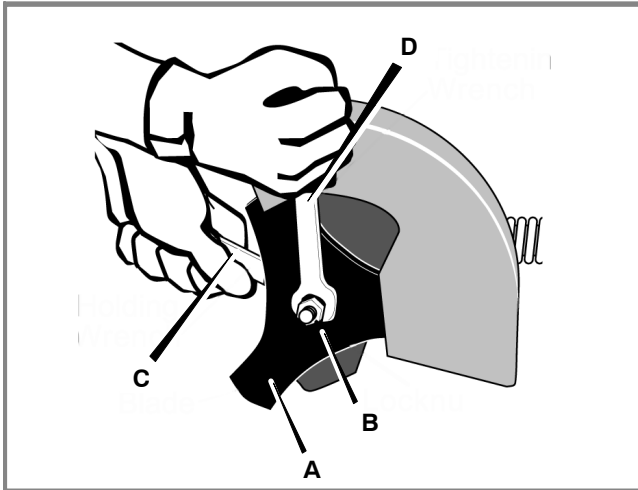


Figure 25: Blade Removal

NOTE: To remove or tighten the blade locknut, always use the method shown in Figure 25. First, secure wrench (C) onto the nut located behind the blade. Then, to remove or tighten the blade locknut, turn the wrench (D).

- 3 Remove the blade.
- 4 Install a new blade and secure with the blade locknut. Tighten the blade locknut to a torque of 40–45 foot pounds.
- 5 Connect the spark plug wire to the spark plug.

WARNING



**Sharpening can damage the blade and cause it to break.
Thrown debris can cause severe laceration.**

- Never sharpen the blade, always replace. Sharpening the blade will cause the blade to shatter.
- Keep a safe distance from rotating blade during operation.

Engine Maintenance

CAUTION

All the components used to build this engine must remain in place for the proper operation of this engine.

Emission Control

Maintenance, replacement or repair of the emission control devices and systems may be performed by any non-road engine repair establishment or individual. However, to obtain no charge repairs under the terms and provisions of the Briggs & Stratton warranty statement, any service or emission control part repair or replacement must be performed by a factory authorized dealer. See the Emission Warranty.

Carburetor Adjustment

Never make unnecessary adjustments to the carburetor. The carburetor was set at the factory to operate efficiently under most applications. However, if adjustments are required, see any Authorized Husqvarna service dealer for service.

CAUTION

The manufacturer of the equipment on which this engine is installed specifies top speed at which the engine will be operated. **DO NOT EXCEED** this speed.

Spark Plug

Check the spark plug every 100 hours. Replace the spark plug if, upon inspection, the electrode (A) is burned or worn. Make sure that the spark plug is clean. Check the gap with a wire gauge (B). If necessary, reset to 0.030 in (0.76 mm). See (Figure 26).

NOTE: In some areas, local law requires using a resistor spark plug to suppress ignition signals. If this engine was originally equipped with a resistor spark plug, use same type for replacement.

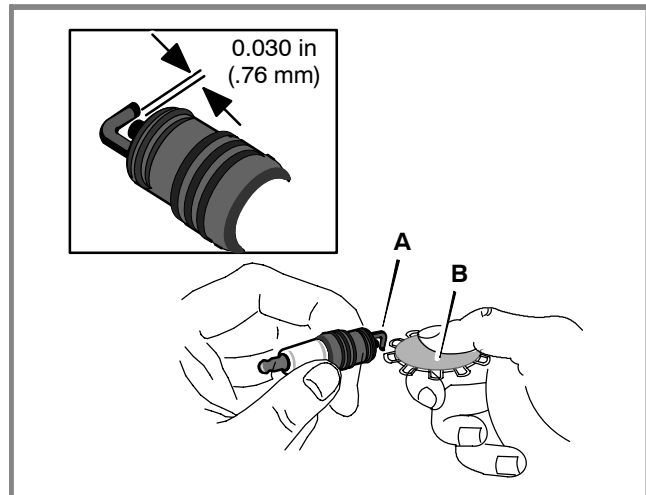


Figure 26: Check Spark Plug

How To Change The Oil

Change oil after first 5 to 8 hours of use, then every 50 hours. Change oil every 25 hours when operating the engine under heavy load or in high temperatures.

- 1 Disconnect the spark plug wire and keep it away from the spark plug.
- 2 Clean the area around the oil fill cap (A) and the oil drain plug (B) of dirt and debris. See Figure 27.
- 3 With engine off but still warm, remove the oil drain plug (B). Completely drain all of the oil from the engine into an appropriate receptacle.
- 4 After draining all the oil, install and tighten the oil drain plug.
- 5 Make sure the engine is level.
- 6 Remove the oil fill cap (A) from the engine oil fill (C).
- 7 To add oil, pour the oil slowly into the engine oil fill. The engine holds approximately 20 ounces (0.6 liter) of oil. For the type of oil to use, see "Oil Recommendation" in the Operation Section.
- 8 Connect the spark plug wire to the spark plug.

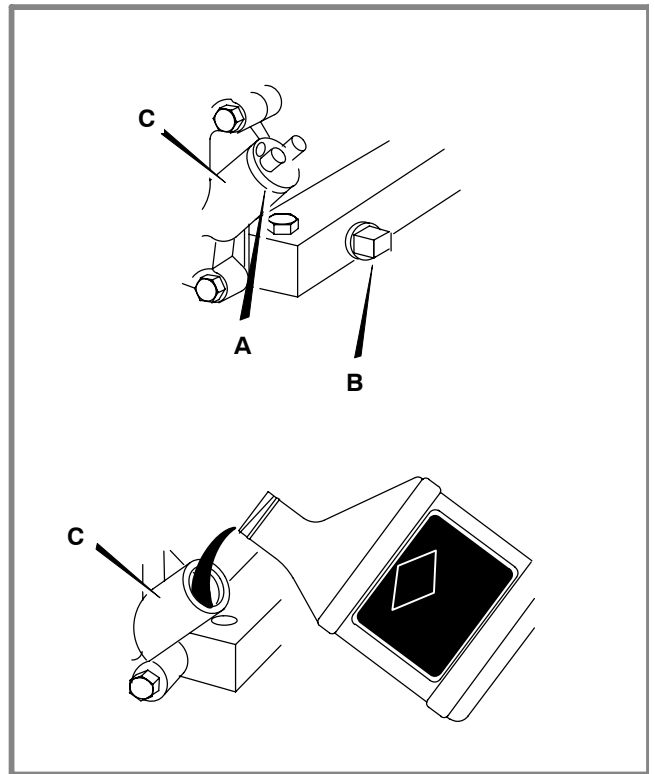


Figure 27: Change Oil

How To Service The Air Filter

Replace the air filter every 50 hours; more often in dusty or dirty conditions.

CAUTION

Do not use pressurized air or solvents to clean the filter. Pressurized air can damage the filter and solvents will dissolve the filter.

- 1 Disconnect the spark plug wire from the spark plug.
- 2 To remove the cover (A), press in on the two side tabs (B) while pulling out on the cover (A).
- 3 To prevent dirt from entering the carburetor (D), carefully pull the filter (C) away from the carburetor (D).
- 4 If the filter (C) is very dirty or damaged, replace it with a new filter.
- 5 Install the filter and cover onto the carburetor.
- 6 Connect the spark plug wire to the spark plug.



WARNING

Gasoline and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

- ❑ Never start or run the engine with the air cleaner or the filter removed as a fire or explosion could result. A defective air filter will cause a loss of engine power. If dirt or dust enters the engine through the carburetor, the result will be excessive wear or damage to the engine. Replace a damaged or clogged air cleaner immediately.

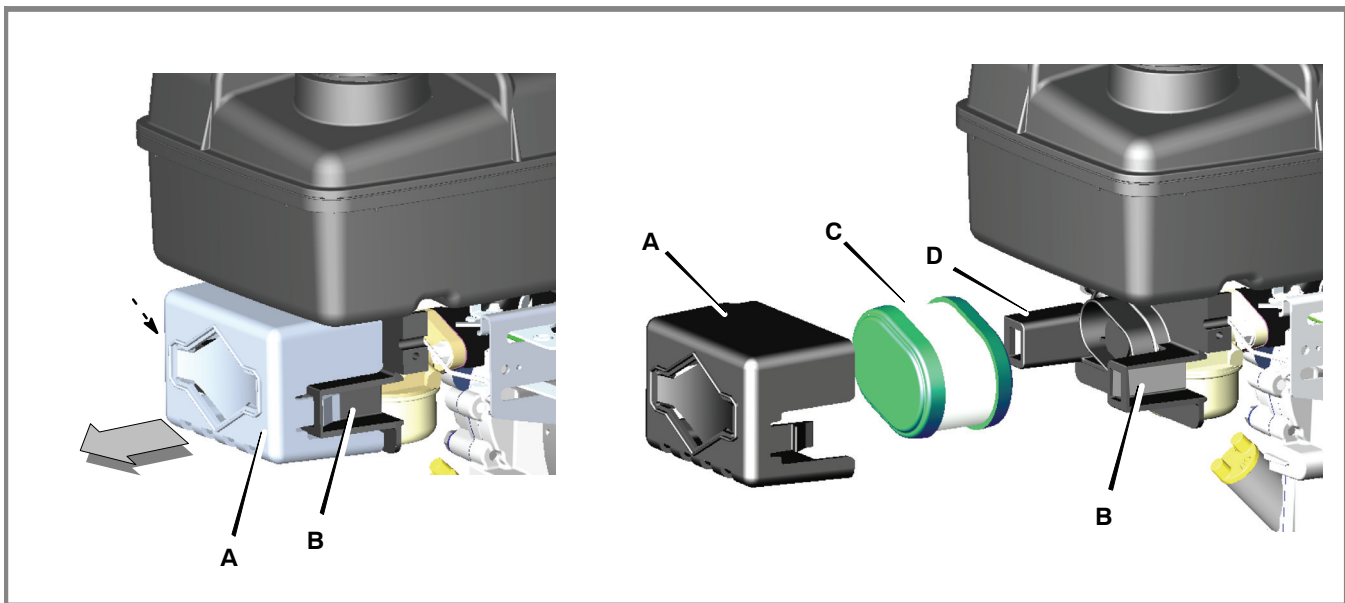


Figure 28: Change Air Filter

Storage

Follow these guidelines when storing the edger for longer than 30 days.

Edger

- Completely clean the edger.
- Check the edger for worn or damaged parts. Tighten all loose hardware.
- Apply a small amount of engine oil to all moving parts, particularly the wheels.
- Put the edger in a building that has good ventilation.
- Store the Edger in the operating position with the wheels down. If the Edger is stored in any other position, oil from the crankcase will enter the cylinder and cause a service problem.
- Cover the edger with a suitable protective cover that does not retain moisture. Do not use plastic. Never cover the edger while the engine and exhaust areas are still warm as this can cause a fire.

Engine

- If no fuel stabilizer is used, then either drain the gasoline from the engine or let the engine run until it is out of gasoline.
- If fuel stabilizer is used, you do not need to drain gasoline prior to storage. See “Fuel Stabilizer” section.
- While the engine is still warm, change the engine oil. See “How To Change The Oil” in the Maintenance section.
- Lubricate the piston / cylinder area. This can be done by first removing the spark plug and pouring 1/2 ounce (15 ml.) of clean engine oil into the spark plug hole. Then, install the spark plug.
- Slowly pull the starter rope. This will turn the engine’s crankshaft and distribute oil slowly through the engine.

Fuel stabilizer

- If you do not want to remove the gasoline, add a fuel stabilizer to any gasoline left in the fuel tank. A fuel stabilizer will minimize gum deposits and acids. If the fuel tank is almost empty, mix the fuel stabilizer with fresh gasoline in a separate container and add the mixture to the fuel tank. Always follow the instructions on the stabilizer container. Start the engine. Let the engine run for 10 minutes to allow the mixture to reach the carburetor.



WARNING

Gasoline and its vapors are extremely flammable and explosive. Fire or explosion can cause severe burns or death.

When Storing Gasoline Or Equipment With Fuel In Tank

- Store away from furnaces, stoves, water heaters or other appliances that have pilot light or other ignition source because they can ignite gasoline vapors.
- Do not remove gasoline while inside a building, near a fire, or while you smoke. Gasoline fumes can cause an explosion or a fire.
- Never cover the edger while the engine and exhaust areas are still warm as this may cause a fire.

Troubleshooting

PROBLEM	CAUSE	CORRECTION
Engine difficult to start <i>or</i> Engine runs erratically <i>or</i> Engine will not run at full speed	Stale fuel	Drain fuel tank. Fill with fresh fuel.
	Dirt in fuel tank or out of fuel	Drain and clean fuel tank. Fill with fresh fuel.
	Carburetor out of adjustment	Contact an Authorized Husqvarna service dealer.
	Fouled spark plug	Clean and set spark plug gap.
	Dirty air filter	Clean or replace air filter.
Engine smokes excessively	Dirty air filter	Clean or replace air filter.
Cutting blade will not rotate	Debris interferes with blade	Clean debris from blade.
	Loose blade	Tighten blade nut.
	Damaged V-belt	Replace V-belt.
Blade will not cut properly	Damaged quill bearings	Replace the quill assembly. Contact an Authorized Husqvarna service dealer.
	Damage or worn blade	Replace the blade.
Excessive vibration	Loose parts	Stop engine immediately. Tighten all fasteners. If vibration continues, contact an Authorized Husqvarna service dealer.

Trouble shooting



Need Assistance?

Go to www.usa.husqvarna.com
 or call 1-800-HUSKY62

Product Specifications

Product Specifications	
Model No.:	LE389
Horsepower:	4
Displacement:	9.02 cu. in (148 cc)
Gasoline Capacity:	1 quart
Oil Capacity:	20 oz SAE-30W
Spark Plug Gap:	0.030 in
Bore:	2-9/16 in (65.09 mm)
Stroke:	1-3/4 in (44.45 mm)
Armature Air Gap:	0.006-0.010 in (0.15-0.25 mm)
Blade:	9 inch

Power Ratings

The power ratings for an individual engine model are initially developed by starting with SAE (Society of Automotive Engineers) code J1940 (Small Engine Power & Torque Rating Procedure) (Revision 2002-05). Given both the wide array of products on which our engines are placed, and the variety of environmental issues applicable to operating the equipment, it may be that the engine you have purchased will not develop the rated horsepower when used in a piece of power equipment (actual "on-site" power). This difference is due to a variety of factors including, but not limited to, the following:

differences in altitude, temperature, barometric pressure, humidity, fuel, engine lubrication, maximum governed engine speed, individual engine to engine variability, design of the particular piece of power equipment, the manner in which the engine is operated, engine run-in to reduce friction and clean out of combustion chambers, adjustments to the valves and carburetor, and other factors. The power ratings may also be adjusted based on comparisons to other similar engines utilized in similar applications, and will therefore not necessarily match the values derived using the foregoing codes.

Specifications



WARRANTY STATEMENT

SECTION 1: LIMITED WARRANTY

Husqvarna Forest & Garden Company (“Husqvarna”) warrants Husqvarna product to the original purchaser to be free from defects in material and workmanship from the date of purchase for the “Warranty Period” of the product as set forth below:

Lifetime Warranty (Parts and Labor): All tiller tines and trimmer shafts against breakage. Proof of purchase required.

Lifetime Warranty (“PARTS ONLY” after initial warranty expiration): Ignition coils and modules on handheld product. Proof of purchase required.

WARRANTY SCHEDULE FOR TURF CARE Equipment – Zero Turn Riders (New warranty applies to units sold after August 1, 2005. Also applies to units factory-equipped with R.O.P.S.)

EZ Zero Turn Riders: 3 year consumer warranty or 600 hours of use (when used solely at the owner’s residence.)

EZ Zero Turn Riders: 1 year commercial warranty or 600 hours of use.

iZ, LZ & BZ Zero Turn Riders: 5 year consumer warranty or 1,500 hours of use (when used solely at the owner’s residence.)

iZ, LZ & BZ Zero Turn Riders: 1 year commercial warranty or 1,500 hours of use.

3 Year or 1,500 Hour Commercial Use Warranty: spindles on zero turn riders, hydraulic pumps and wheel motors.

Warranty Schedule for Turf Care Walk Behind Units – W, WG & WH Zero Turn Riders - 3 year consumer and commercial warranty. New warranty applies to units sold after August 1, 2005. Also applies to units factory-equipped with R.O.P.S.

2 Year COMMERCIAL and CONSUMER Warranty: all Husqvarna ground-engaging commercial equipment.

WARRANTY SCHEDULE FOR CONSUMER TURF CARE EQUIPMENT:

2 Year Consumer Warranty: Automatic mower, all Residential Zero Turn Riders, all lawn, yard and garden tractors, all noncommercial walk behind mowers, tillers, chain saws, trimmers, brushcutters, clearing saws, snow blowers, handheld blowers, backpack blowers, hedge trimmers, electrical products and power-assist collection systems for noncommercial, nonprofessional, noninstitutional or nonincome producing use, except as herein stated. All consumer product use must have been limited to the owner’s residence.

WARRANTY SCHEDULE FOR CONSUMER FOREST & GARDEN EQUIPMENT:

2 Year Consumer Warranty: all consumer chain saws, trimmers, brushcutters, clearing saws, handheld blowers, backpack blowers, hedge trimmers, and electrical products for noncommercial, nonprofessional, noninstitutional or nonincome producing use, except as herein stated. All consumer product use must have been limited to the owner’s residence.

2 Year or 2,000 Hour & 1 Year or 1,000 Hour Warranty: Husqvarna Utility Vehicles

1 Year Warranty: Power cutters, stump grinder, pole pruners and pole saws for noncommercial, nonprofessional, noninstitutional or nonincome producing use. All 300 series trimmers, brushcutters, clearing saws, hovering trimmers, stick edgers, backpack blowers, handheld blowers, hedge trimmers, power-assist collection systems for commercial, institutional, professional or income producing purposes or use.

1 Year Conditional Component Warranty: Chain saw crankshafts for commercial/professional use (parts and labor). Saw must be operated with Husqvarna XP 2 cycle oil.

90 Day Commercial Warranty: Automatic mower, chain saws, 100 series trimmers, power cutters, stump grinders, pole saws, pole pruners, snow throwers, model series 580 & 600 walk-behind mowers, or any Husqvarna product used for commercial, institutional, professional, municipality or income producing purposes or use except as otherwise provided herein.

Batteries: 1 year prorated limited warranty with 100% replacement during the first 6 months.

Rental Warranty: 90 days on all applicable professional equipment reference warranty time period charts located in the back of the Retailer Warranty Policy & Procedure Manual.

Husqvarna Safety Apparel carries as 90-day warranty from the date of the customer’s original purchase for defects in material and workmanship. Normal wear, tear or abuse is not covered under the warranty. Product must be returned to Charlotte with a warranty claim form. All care and maintenance instructions must be followed as stated by the manufacturer on the care label. The fit of the product apparel/boot is not covered under warranty.

30 Day Warranty: Replacement parts, accessories including bars and chains, tools and display items. Emission control system components necessary to comply with CARB-TIER II and EPA regulations, except for those components which are part of engine systems manufactured by third part engine manufactures for which the purchaser has received a separate warranty with product at time of purchase.

SECTION 2: HUSQVARNA’S OBLIGATIONS UNDER THE WARRANTY

Husqvarna will repair or replace defective components without charge for parts or labor if a component fails because of a defect in material or workmanship during the warranty period.



WARRANTY STATEMENT

SECTION 3: ITEMS NOT COVERED BY THIS WARRANTY

The following items are not covered by this warranty:

1. Normal customer maintenance items which become worn through normal regular use, including, but not limited to, belts, blades, blade adapters, bulbs, clutches, clutch drums, filters, guide bars, lubricants, rewind springs, saw chain, spark plugs, starter ropes and tines.
2. Natural discoloration of material due to ultraviolet light.
3. Engine and drive systems not manufactured by Husqvarna; these items are covered by the respective manufacturer's warranty as provided in writing with the product information supplied at the time of purchase; all claims must be sent to the appropriate manufacturer.
4. Lawn and garden attachments are covered by a third party which gives a warranty, all claims for warranty should be sent to the manufacturer.
5. Commercial or consumer mowing decks with sand abrasion damage.
5. Emission Control System components necessary to comply with CARB-TIER III and EPA regulations which are manufactured by third party engine manufacturer.

SECTION 4: EXCEPTIONS AND LIMITATIONS

This warranty shall be inapplicable to defects resulting from the following:

1. Accident, abuse, misuse, negligence and neglect, including stale fuel, dirt, abrasives, moisture, rust, corrosion, or any adverse reaction due to incorrect storage or use habits;
2. Failure to operate or maintain the unit in accordance with the Owner's/Operator's manual or instruction sheet furnished by Husqvarna;
3. Alterations or modifications that change the intended use of the product or affects the product's performance, operation, safety, or durability, or causes the product to fail to comply with any applicable laws; or:
4. Additional damage to parts or components due to continued use occurring after any of the above.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE PURCHASER. HUSQVARNA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THESE PRODUCTS EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW. ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THESE PRODUCTS IS LIMITED IN DURATION TO THE WARRANTY PERIOD AS DEFINED IN THE LIMITED WARRANTY STATEMENT. HUSQVARNA RESERVES THE RIGHT TO CHANGE OR IMPROVE THE DESIGN OF THE PRODUCT WITHOUT NOTICE, AND DOES NOT ASSUME OBLIGATION TO UPDATE PREVIOUSLY MANUFACTURED PRODUCTS.

Some states do not allow the exclusion of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

SECTION 5: CUSTOMER RESPONSIBILITIES

The product must exhibit reasonable care, maintenance, operation, storage and general upkeep as written in the maintenance section of the Owner's/Operator's manual. Should an operational problem or failure occur, the product should not be used, but delivered as is to an authorized Husqvarna retailer for evaluation. Proof of purchase, as explained in section 6, rests solely with the customer.

SECTION 6: PROCEDURE TO OBTAIN WARRANTY CONSIDERATION

It is the Owner's and Retailer's responsibility to make certain that the Warranty Registration Card is properly filled out and mailed to Husqvarna Forest & Garden Company. This card should be mailed within ten (10) days from the date of purchase in order to confirm the warranty and to facilitate post-sale service.

Proof of purchase must be presented to the authorized Husqvarna retailer in order to obtain warranty service. This proof must include date purchased, model number, serial number, and complete name and address of the selling retailer.

To obtain the benefit of this warranty, the product believed to be defective must be delivered to an authorized Husqvarna retailer in a timely manner, no later than thirty (30) days from date of the operational problem or failure. The product must be delivered at the owner's expense. Downtime, pick-up and delivery charges are not covered by this warranty. An authorized Husqvarna retailer can be normally located through the "Yellow Pages" of the local telephone directory or by calling 1-800-HUSKY62 for a dealer in your area.

HUSQVARNA
7349 Statesville Road
Charlotte, NC 28269

Emissions Control System Warranty Statement

Briggs & Stratton Corporation (B&S), the California Air Resources Board (CARB) and the United States Environmental Protection Agency (U.S. EPA) Emissions Control System Warranty Statement (Owner's Defect Warranty Rights and Obligations)

The California Air Resources Board (CARB), U.S. EPA and B&S are pleased to explain the Emissions Control System Warranty on your small off-road engine (SORE). In California, new small off-road engines model year 2006 and later must be designed, built and equipped to meet the State's stringent anti-smog standards.

Elsewhere in the United States, new non-road, spark-ignition engines certified for model year 1997 and later must meet similar standards set forth by the U.S. EPA. B&S must warrant the emissions control system on your engine for the periods of time listed below, provided there has

been no abuse, neglect or improper maintenance of your small off-road engine.

Your emissions control system includes parts such as the carburetor, air cleaner, ignition system, fuel line, muffler and catalytic converter. Also included may be connectors and other emissions related assemblies.

Where a warrantable condition exists, B&S will repair your small off-road engine at no cost to you including diagnosis, parts and labor.

Briggs & Stratton Emissions Control Defects Warranty Coverage

Small off-road engines are warranted relative to emissions control parts defects for a period of two years, subject to provisions set forth

below. If any covered part on your engine is defective, the part will be repaired or replaced by B&S.

Owner's Warranty Responsibilities

As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Operating and Maintenance Instructions. B&S recommends that you retain all your receipts covering maintenance on your small off-road engine, but B&S cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the small off-road engine owner, you should however be aware that B&S may deny you warranty coverage if your small off-road engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to an Authorized B&S Service Dealer as soon as a problem exists.

The undisputed warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact a B&S Service Representative at 1-414-259-5262.

The emissions warranty is a defects warranty. Defects are judged on normal engine performance. The warranty is not related to an in-use emissions test.

Briggs & Stratton Emissions Control Defects Warranty Provisions

The following are specific provisions relative to your Emissions Control Defects Warranty Coverage. It is in addition to the B&S engine warranty for non-regulated engines found in the Operating and Maintenance Instructions.

1. Warranted Parts

Coverage under this warranty extends only to the parts listed below (the emissions control systems parts) to the extent these parts were present on the engine purchased.

- a. Fuel Metering System
 - Cold start enrichment system
 - Carburetor and internal parts
 - Fuel Pump
 - Fuel line, fuel line fittings, clamps
- b. Air Induction System
 - Air cleaner
 - Intake manifold
- c. Ignition System
 - Spark plug(s)
 - Magneto ignition system
- d. Catalyst System
 - Catalytic converter
 - Exhaust manifold
 - Air injection system, Pulse valve
- e. Miscellaneous Items
 - Vacuum, temperature, position, time sensitive valves and switches
 - Connectors and assemblies

2. Length of Coverage

B&S warrants to the initial owner and each subsequent purchaser that the Warranted Parts shall be free from defects in materials and workmanship which caused the failure of the Warranted Parts for a period of two years from the date the engine is delivered to a retail purchaser.

3. No Charge

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Repair or replacement of any Warranted Part will be performed at no charge to the owner, including diagnostic labor which leads to the determination that a Warranted Part is defective, if the diagnostic work is performed at an Authorized B&S Service Dealer. For emissions warranty service contact your nearest Authorized B&S Service Dealer as listed in the "Yellow Pages" under "Engines, Gasoline," "Gasoline Engines," "Lawn Mowers," or similar category.

4. Claims and Coverage Exclusions

Warranty claims shall be filed in accordance with the provisions of the B&S Engine Warranty Policy. Warranty coverage shall be excluded for failures of Warranted Parts which are not original B&S parts or because of abuse, neglect or improper maintenance as set forth in the B&S Engine Warranty Policy. B&S is not liable to cover failures of Warranted Parts caused by the use of add-on, non-original, or modified parts.

5. Maintenance

Any Warranted Part which is not scheduled for replacement as required maintenance or which is scheduled only for regular inspection to the effect of "repair or replace as necessary" shall be warranted as to defects for the warranty period. Any Warranted Part which is scheduled for replacement as required maintenance shall be warranted as to defects only for the period of time up to the first scheduled replacement for that part. Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. The owner is responsible for the performance of all required maintenance, as defined in the B&S Operating and Maintenance Instructions.

6. Consequential Coverage

Coverage hereunder shall extend to the failure of any engine components caused by the failure of any Warranted Part still under warranty.

Look For Relevant Emissions Durability Period and Air Index Information On Your Engine Emissions Label

Engines that are certified to meet the California Air Resources Board (CARB) Tier 2 Emissions Standard must display information regarding the Emissions Durability Period and the Air Index. Briggs & Stratton makes this information available to the consumer on our emissions labels. The engine emissions label will indicate certification information.

The **Emissions Durability Period** describes the number of hours of actual running time for which the engine is certified to be emissions compliant, assuming proper maintenance in accordance with the Operating & Maintenance Instructions. The following categories are used:

Moderate:

Engine is certified to be emissions compliant for 125 hours of actual engine running time.

Intermediate:

Engine is certified to be emissions compliant for 250 hours of actual engine running time.

Extended:

Engine is certified to be emissions compliant for 500 hours of actual engine running time. For example, a typical walk-behind lawn mower is used 20 to 25 hours per year. Therefore, the **Emissions Durability Period** of an engine with an **intermediate** rating would equate to 10 to 12 years.

Certain Briggs & Stratton engines will be certified to meet the United States Environmental Protection Agency (USEPA) Phase 2 emissions standards. For Phase 2 certified engines, the Emissions Compliance Period referred to on the Emissions Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emissions requirements.

For engines less than 225 cc displacement.

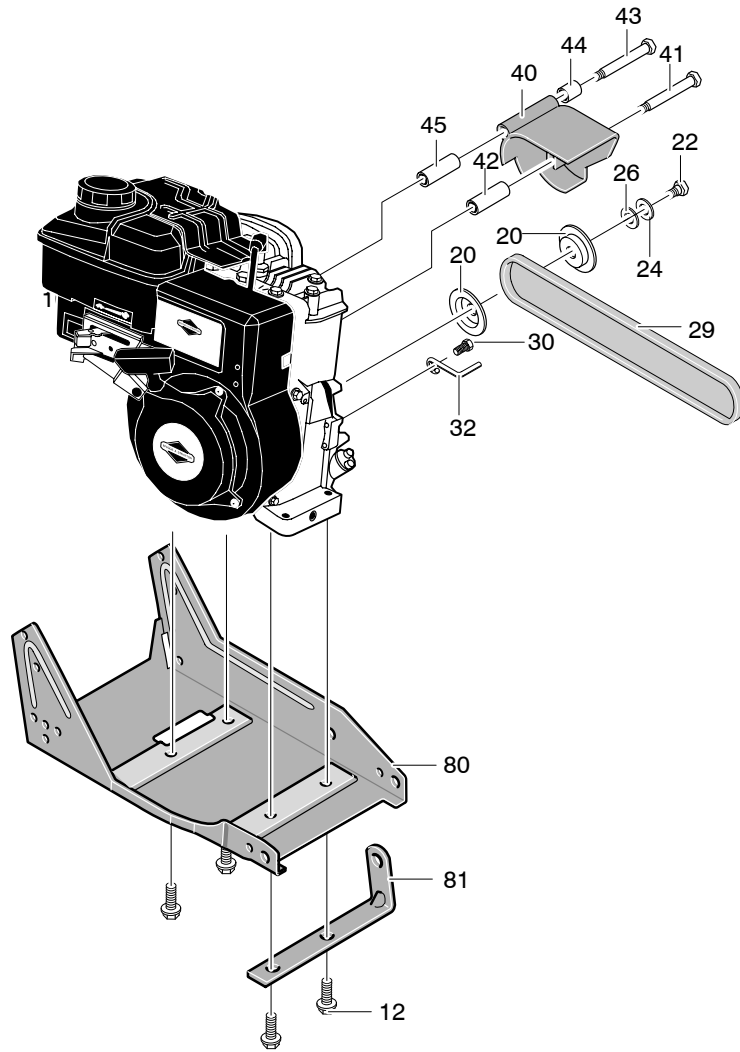
Category C = 125 hours
Category B = 250 hours
Category A = 500 hours

For engines of 225 cc or more displacement.

Category C = 250 hours
Category B = 500 hours
Category A = 1000 hours

MODEL LE389

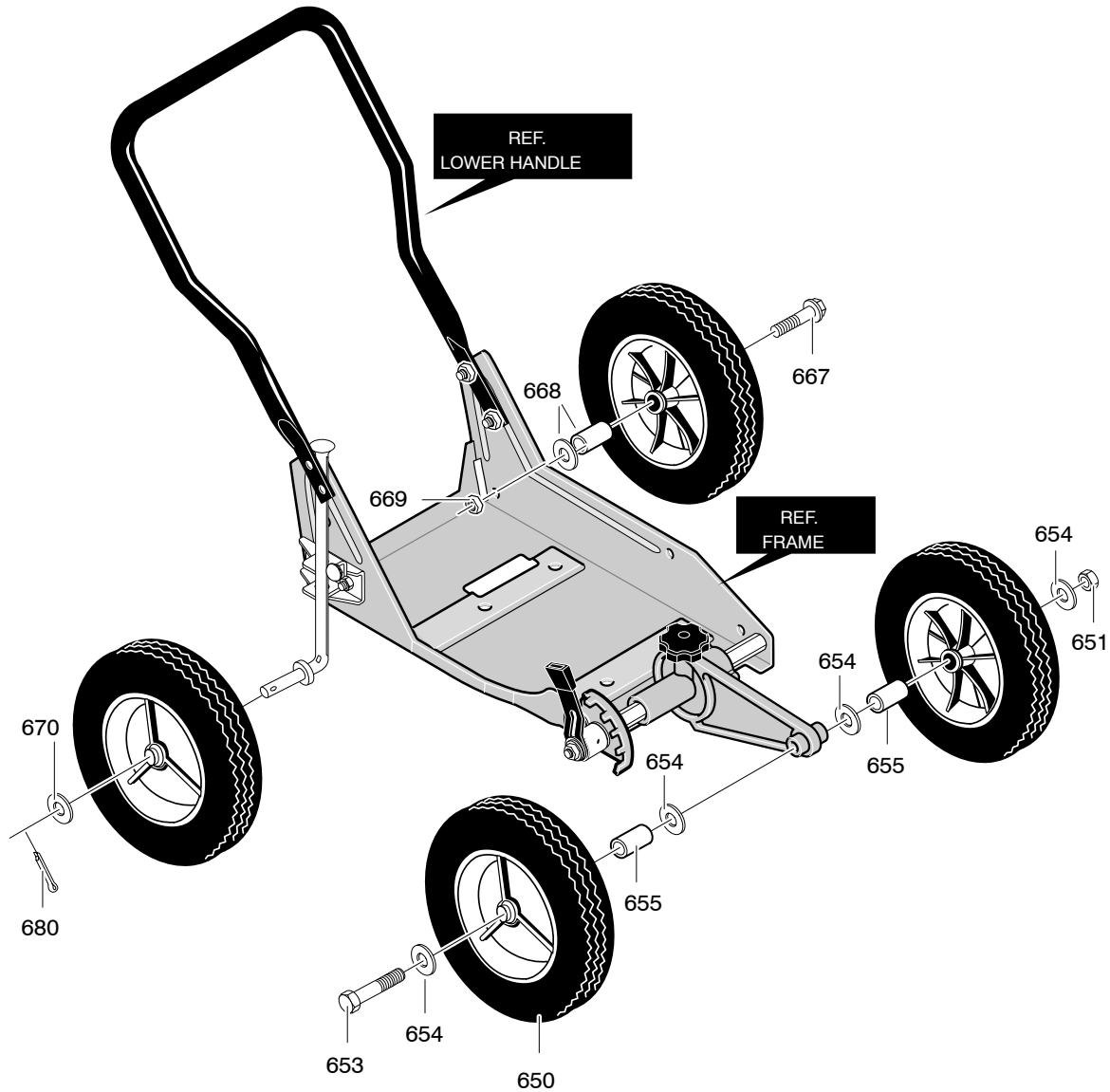
FACTORY NO. EH4000x37NA ENGINE MOUNT ASSEMBLY



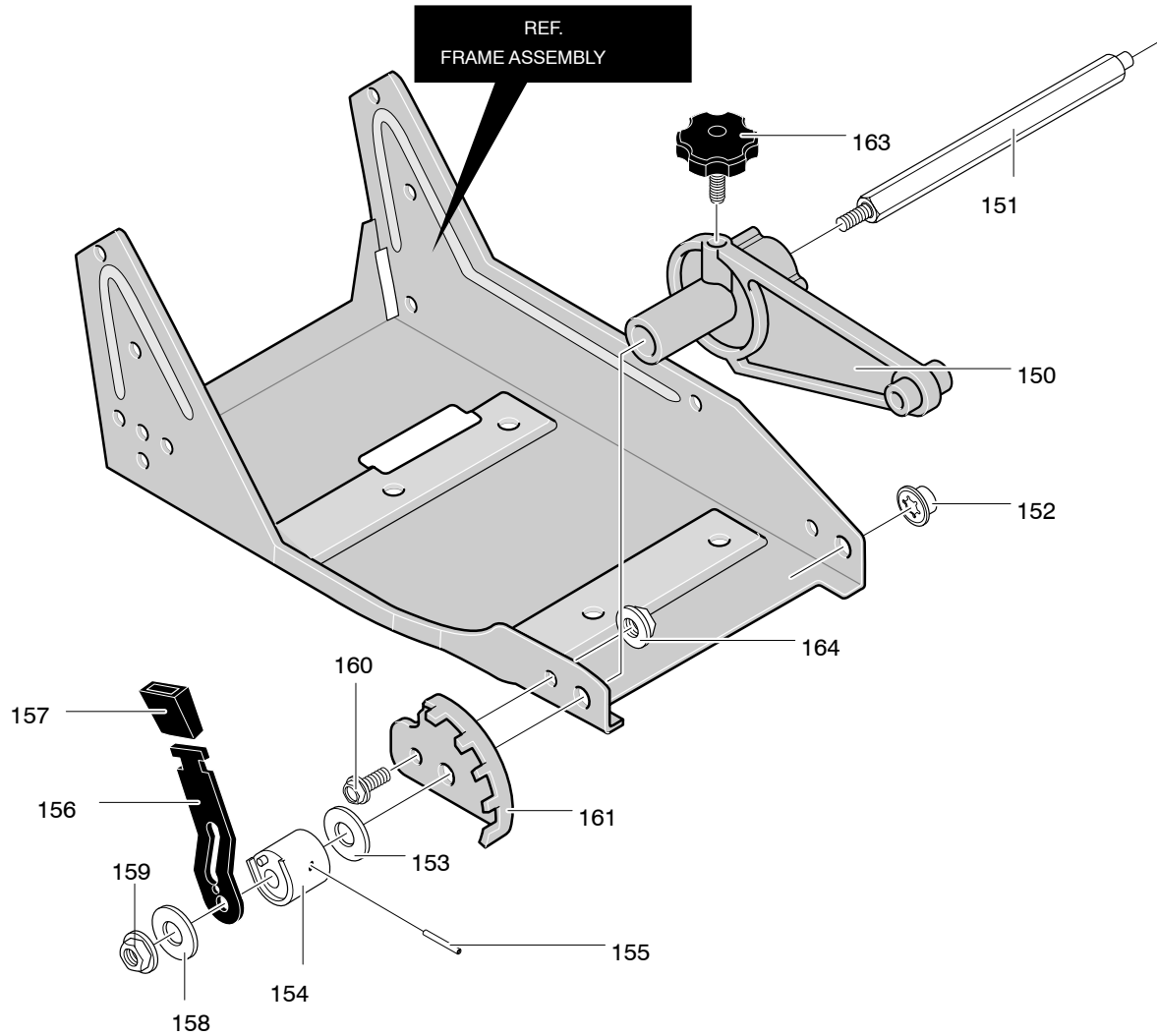
Key No.	Part No.	Description	Key No.	Part No.	Description
10	-----	Engine	40	601 00 22 04	Cover, Engine Pulley
12	601 00 08 35	Screw, 3/8-16x1.00	41	601 00 00 80	Screw, 5/16-24x3.00
20	601 00 22 03	Pulley, Half	42	601 00 22 05	Spacer, Sleeve
22	601 00 13 27	Screw, 5/16-24x1.00	43	601 00 22 06	Screw, 5/16-24x3.75
24	601 00 00 23	Washer	44	601 00 22 07	Spacer
26	601 00 05 47	Flatwasher	45	601 00 22 05	Spacer, Sleeve
29	601 00 05 09	Belt, V4L 32.60LG	80	601 00 22 08	Frame, Assy. Edger
30	601 00 14 33	Screw and Washer Assy	81	601 00 22 09	Strap
32	601 00 05 80	Guide, Belt	--	MS-3616MA	Manual, Owner's

MODEL LE389

FACTORY NO. EH4000x37NA WHEEL ASSEMBLY



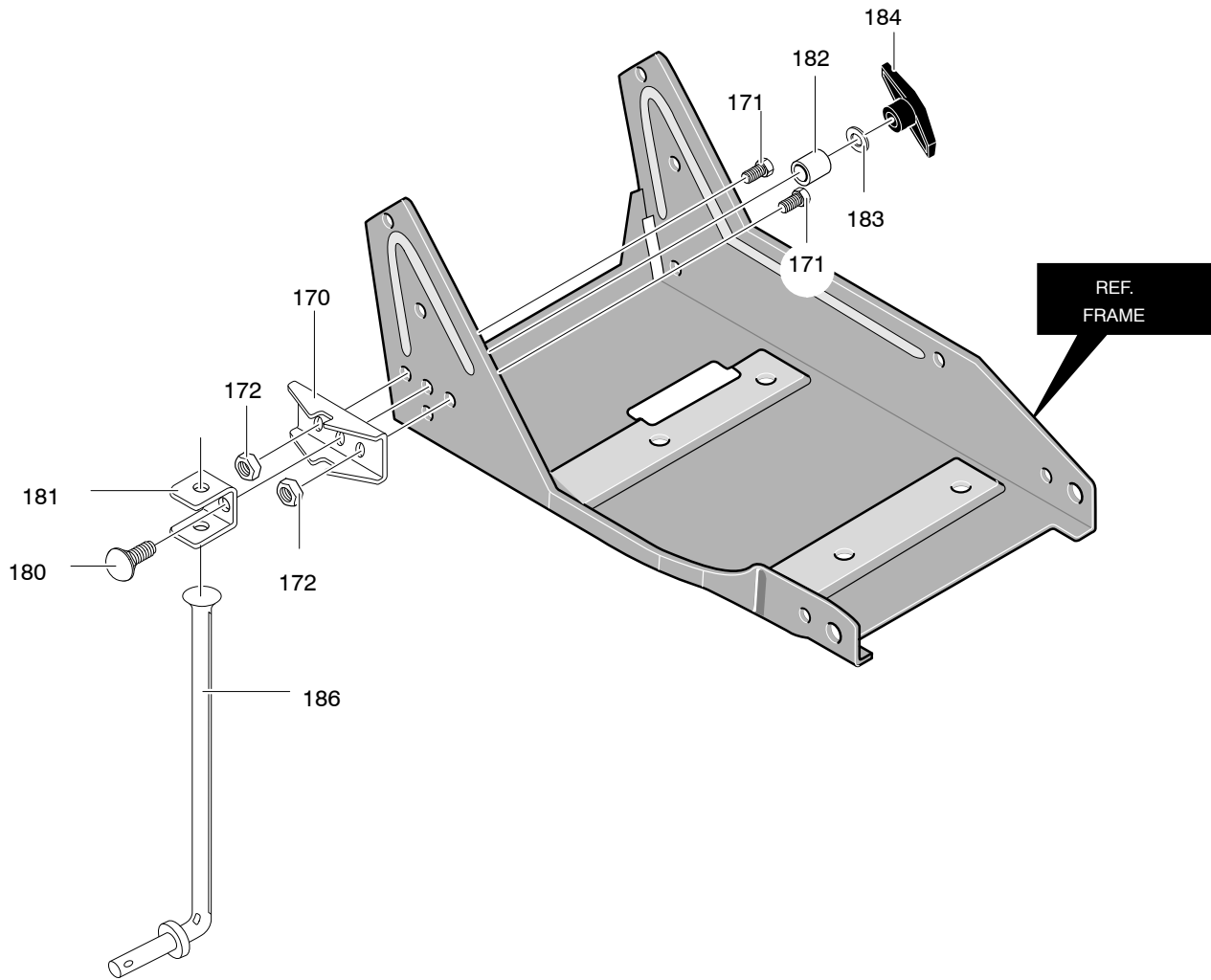
Key No.	Part No.	Description	Key No.	Part No.	Description
650	601 00 22 49	Tire & Rim	667	601 00 22 50	Bolt, SHH 3/8-16
651	601 00 08 67	Nut, 5/16-18	668	601 00 22 51	Spacer & Washer
653	601 00 00 86	Screw, 5/16-18x4.50	669	601 00 05 42	Nut, 3/8-16
654	601 00 00 19	Flatwasher	670	601 00 01 09	Flatwasher
655	601 00 05 87	Spacer, Sleeve	680	601 00 00 25	Cotter Pin



Key No.	Part No.	Description	Key No.	Part No.	Description
150	601 00 22 33	Front Wheel Arm	157	601 00 20 40	Knob, Rectangle
151	601 00 22 34	Rod, Front Mount Curb	158	601 00 00 94	Flatwasher
152	601 00 22 35	Pushnut, Washer	159	601 00 22 41	Nut
153	601 00 22 36	Plastic Washer	160	601 00 22 27	Screw, 5/16-18x.63
154	601 00 22 37	Spacer, Height Adjust	161	601 00 22 42	Plate, Height Adjust
155	601 00 22 38	Pin, Spring	163	601 00 22 43	Knob, Molded
156	601 00 22 39	Lever, Height Adjust	164	601 00 08 67	Nut, 5/16-18

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FACTORY NO. EH4000x37NA CURB-HOP ASSEMBLY

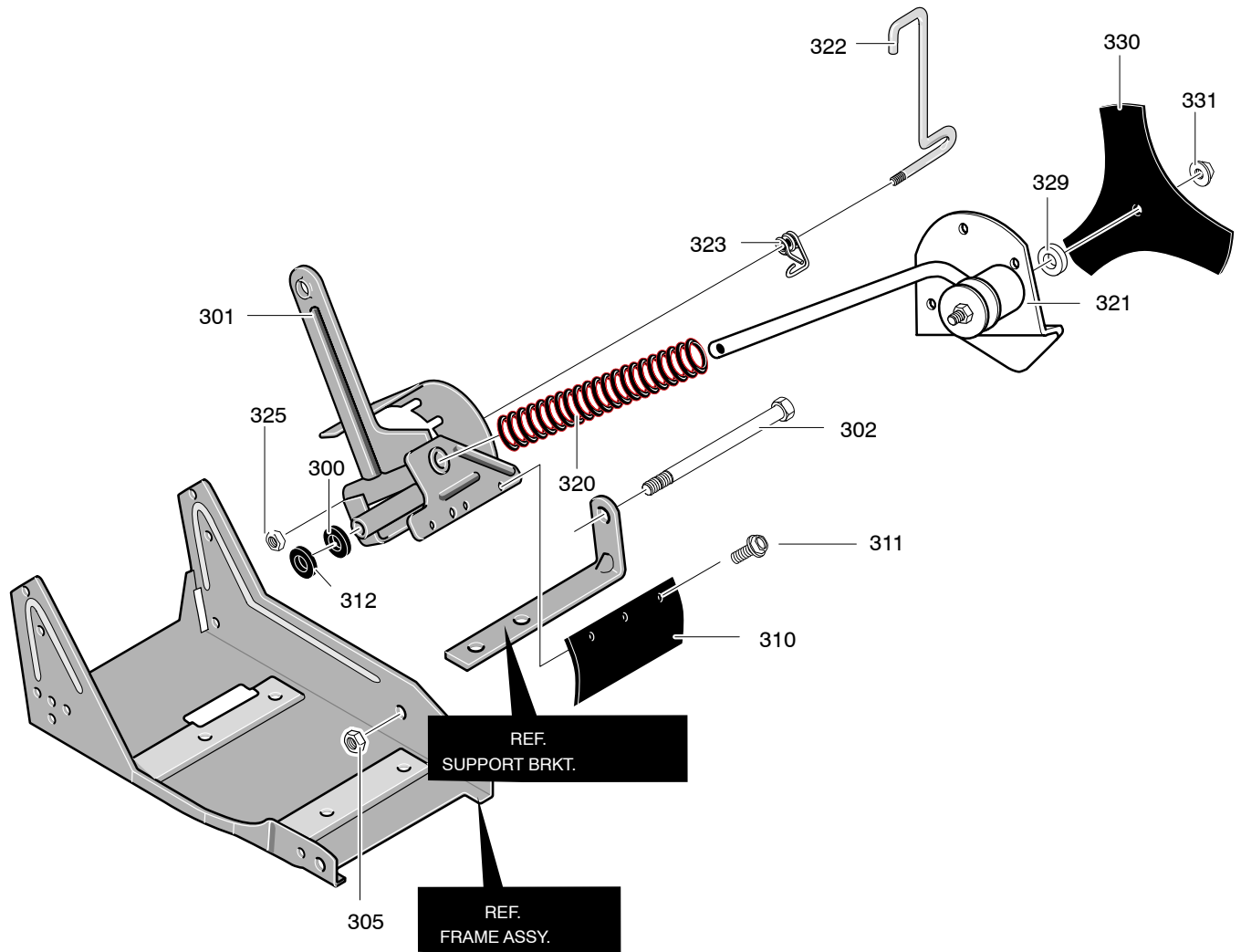


Key No.	Part No.	Description
170	601 00 06 47	Bracket, Curb Hop Mnt
171	601 00 00 73	Screw, 5/16-18x.75
172	601 00 00 59	Nut, 5/16-18
180	601 00 19 70	Bolt, 5/16-18x2.00
181	601 00 06 55	Clevis

Key No.	Part No.	Description
182	601 00 19 71	Spacer, Sleeve
183	601 00 00 19	Flatwasher
184	601 00 06 84	Knob, Wing 5/16-18
186	601 00 19 72	Rod, Wheel Support

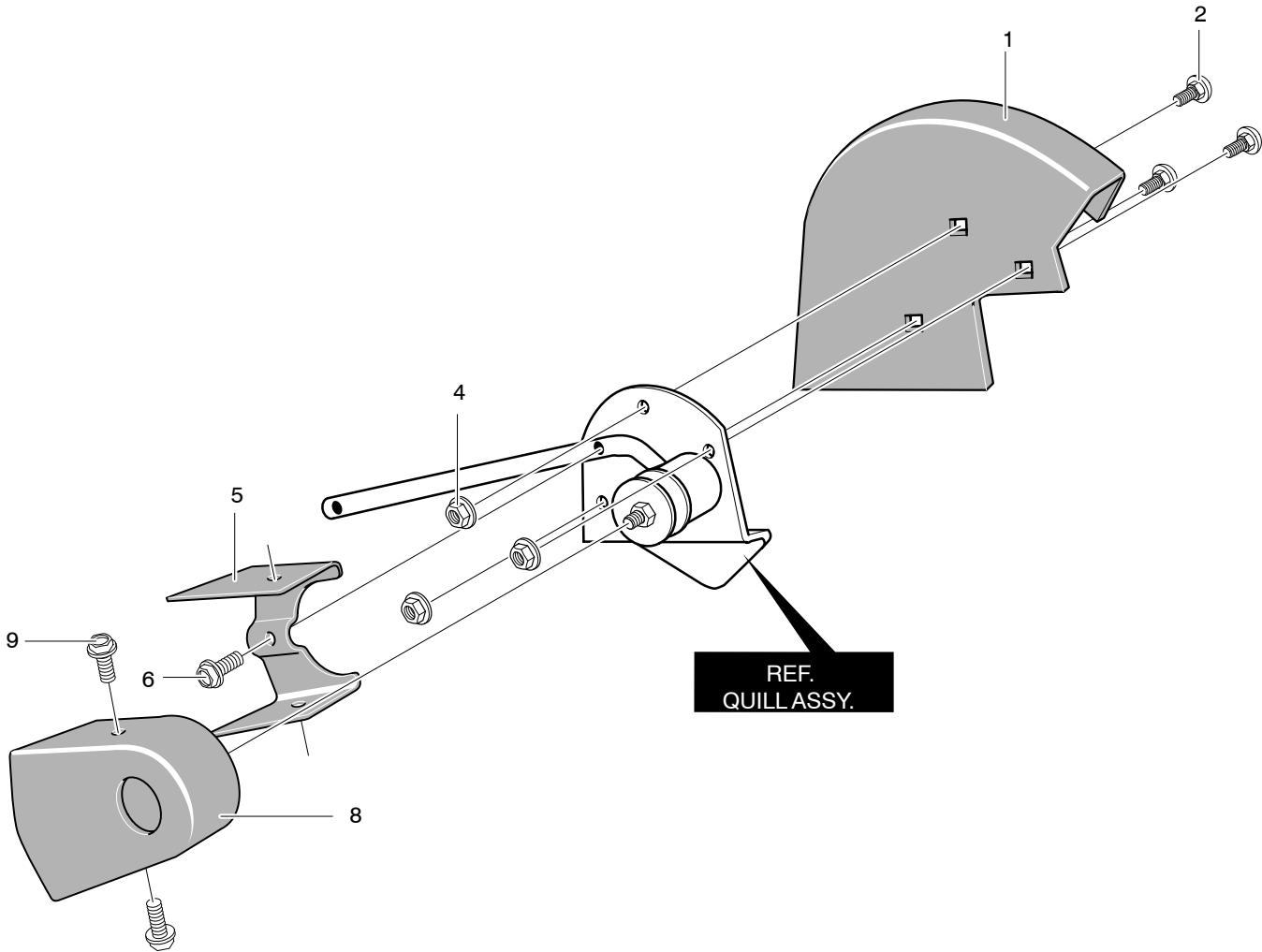
MODEL LE389

FACTORY NO. EH4000x37NA EDGER BLADE ASSEMBLY

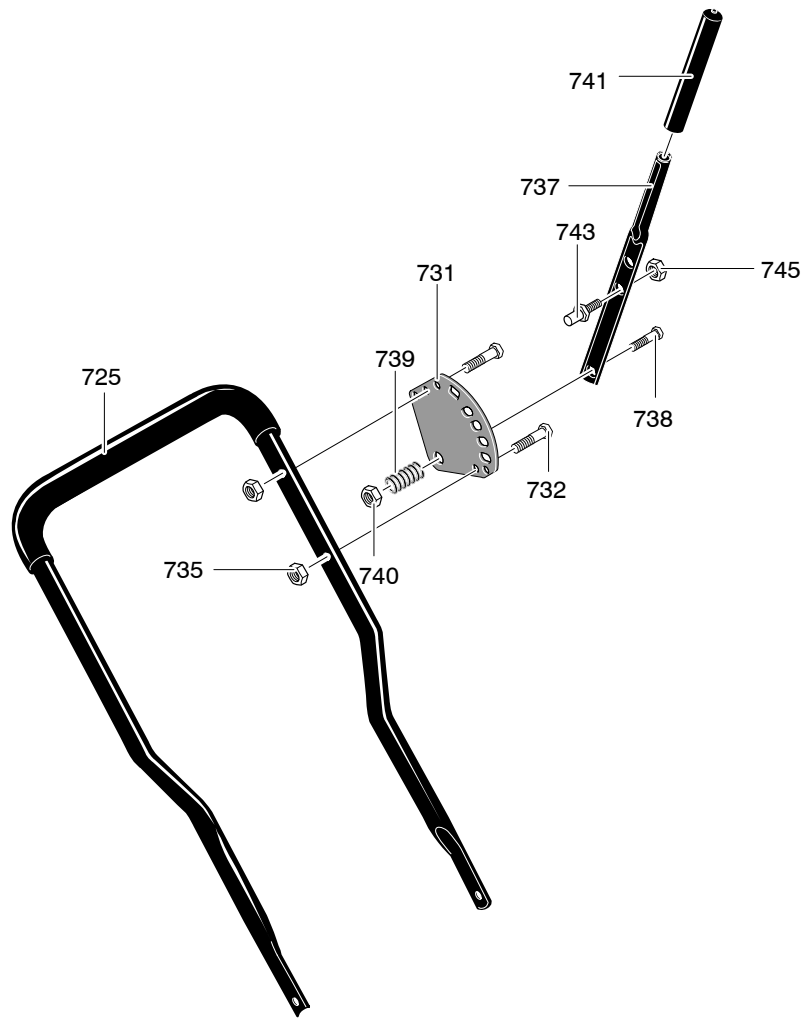


Key No.	Part No.	Description
300	601 00 00 21	Flatwasher
301	601 00 21 96	Quill Support
302	601 00 22 16	Bolt, 3/8-16
305	601 00 24 07	Nut, 3/8-16
310	601 00 22 17	Rubber Deflector
311	601 00 22 18	Screw, 10-16x1.50
312	601 00 22 13	Flatwasher
320	601 00 23 14	Spring, Compression

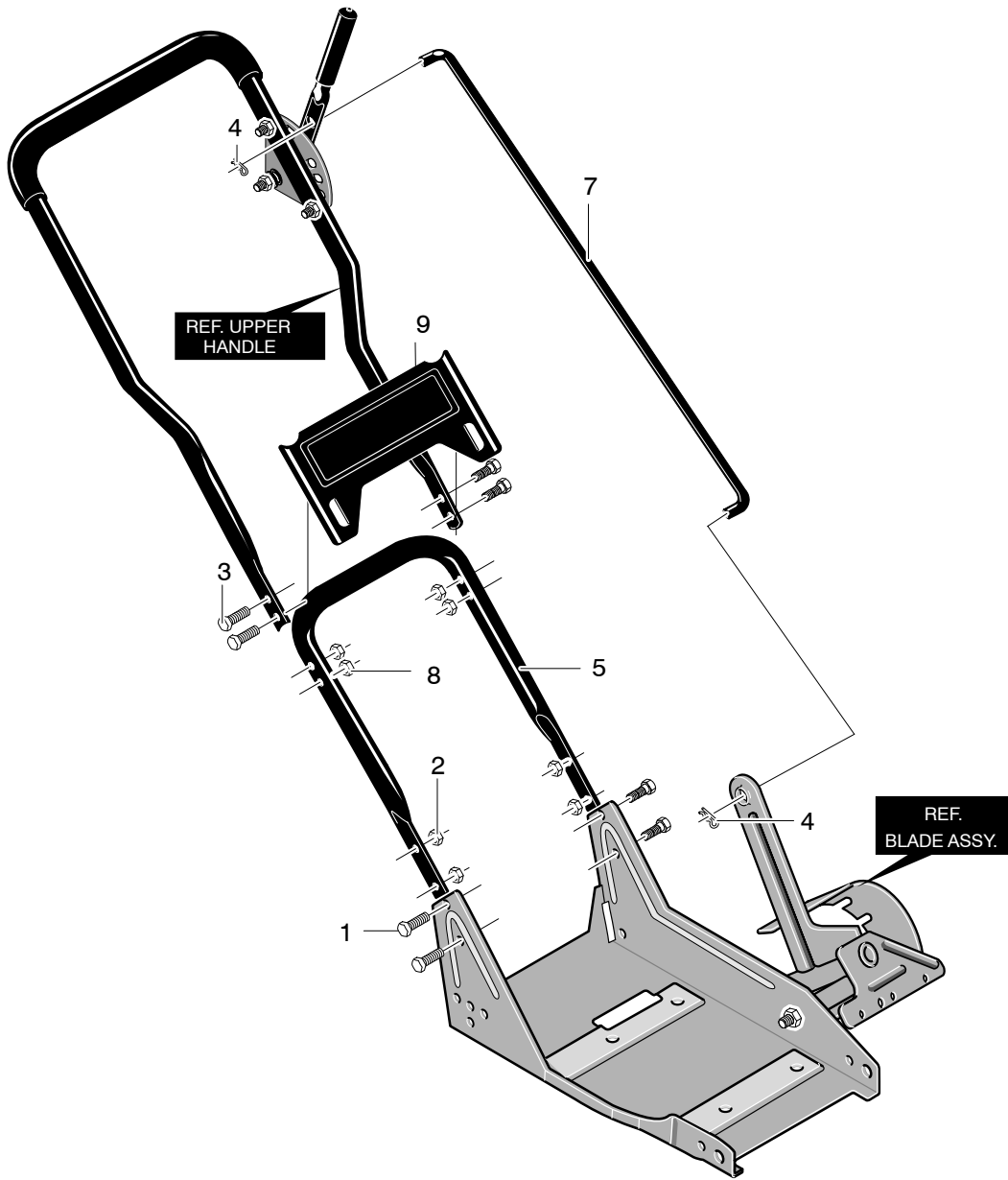
Key No.	Part No.	Description
321	601 00 21 97	Quill Assembly
322	601 00 22 44	Lever, Index
323	601 00 22 45	Spring, Torsion
325	601 00 22 59	Nut, 5/16-18
329	601 00 00 94	Flatwasher
330	601 00 22 46	Blade, Edger
331	601 00 05 52	Nut, 1/2-20



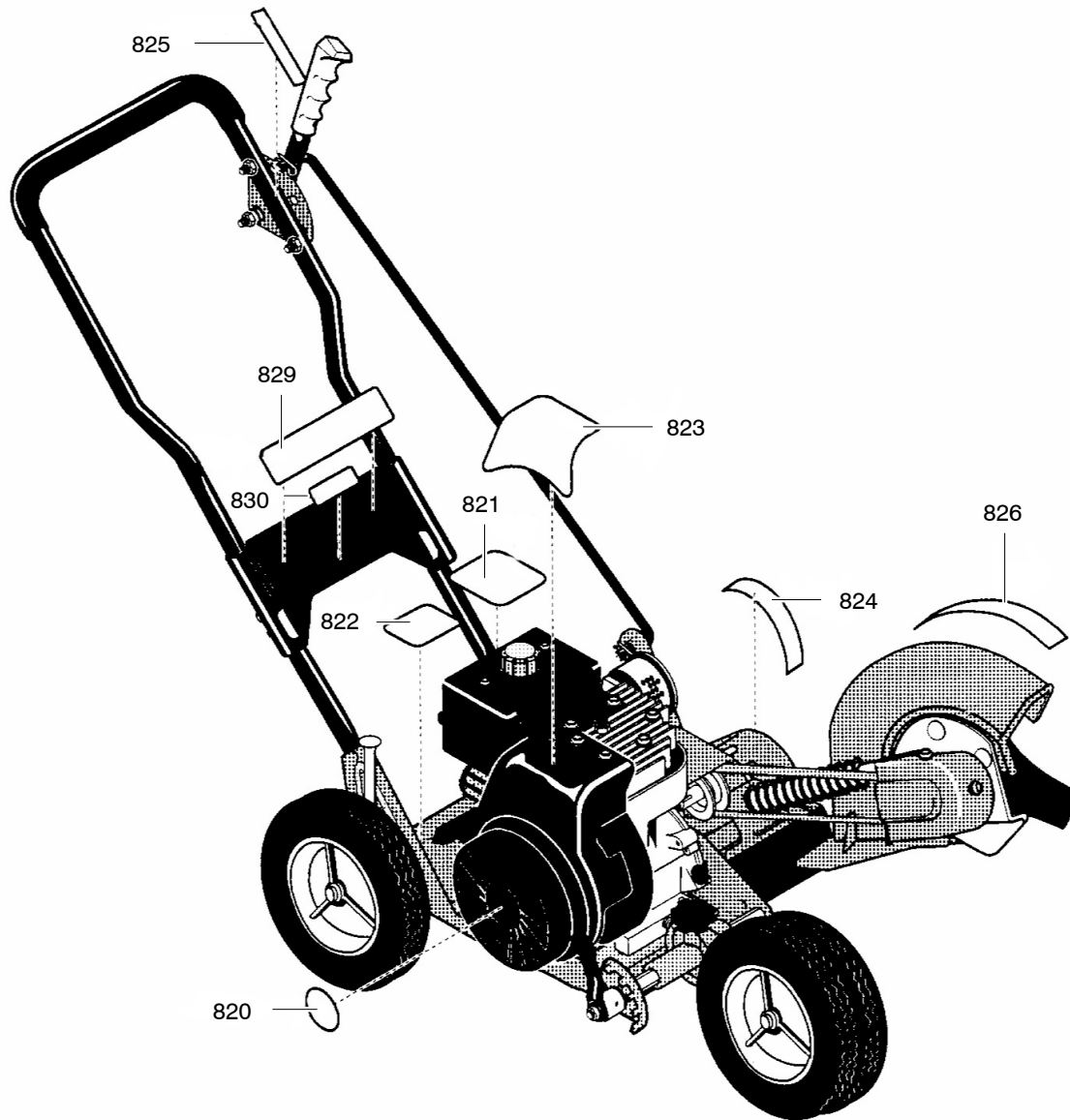
Key No.	Part No.	Description
1	601 00 22 10	Blade Guard
2	601 00 07 86	Bolt, Carriage 5/16-18x.63
4	601 00 08 67	Nut, 5/16-18
5	601 00 22 11	Guide, Belt Front
6	601 00 21 95	Screw, 1/4-20x.50
8	601 00 19 78	Cover, Quill Pulley
9	601 00 24 70	Screw, 10-16x.50



Key No.	Part No.	Description
725	601 00 21 98	Upper Handle & Foam
731	601 00 22 22	Selector Plate
732	601 00 00 69	Screw, 1/4-20x1.25
735	601 00 23 18	Nut, 1/4-20
737	601 00 22 23	Depth Adjust Handle
738	601 00 19 84	Screw, 5/16-18x1.25
739	601 00 01 01	Spring, Compression
740	601 00 00 59	Nut, 5/16-18
741	601 00 22 48	Grip, Hand
743	601 00 22 25	Stud
745	601 00 24 07	Nut, 3/8-16



Key No.	Part No.	Description
1	601 00 22 27	Screw, 5/16-18x.63
2	601 00 00 59	Nut, 5/16-18
3	601 00 12 94	Bolt, 5/16-18x1.63
4	601 00 05 23	Hair Pin
5	601 00 22 28	Lower Handle
7	601 00 22 47	Control Rod
8	601 00 00 59	Nut 5/16-18
9	601 00 22 26	Panel, Handle



Key No.	Part No.	Description
820	601 00 22 00	Decal, Recoil Cover
821	601 00 18 77	Decal, Information Danger
822		Reference Only
823	601 00 22 52	Decal, Engine
824	601 00 22 29	Decal, Angle Indicator
825	601 00 22 30	Decal, Quadrant Selector
826	601 00 22 31	Decal, Blade Guard
829	601 00 20 96	Decal, Panel
830	601 00 22 53	Decal, Husqvarna LE389

