READ THIS FIRST!

For your safety, read this Owner's Manual and understand it thoroughly before operating this HEDGE TRIMMER.

General
A hedge trimmer is high-speed, fast-cutting power tool, not a toy. For your own safety and the safety of others, read and be sure you understand all of the safety precautions contained in the Owner's Manual before operating the hedge trimmer. Retain the Owner's Manual, and make it available to all persons who will be using the hedge trimmer. Periodically, review the manual to refresh your understanding of the safety instructions contained in it.
- Careless or improper use can cause serious or fatal injury.
- Obey the safety instructions contained in this manual as well as all applicable governmental and workplace safety standards, regulations and ordinances. Your authorized Kawasaki dealer can show you how to operate your hedge trimmer properly.
- Contact with the moving cutter blade will cause severe injury and the moving cutter blade can hurl objects, causing injury.
  Keep bystanders, children and animals away from the area where the hedge trimmer is in use.
- Do not allow children to operate the hedge trimmer.
  Operators must have sufficient size, strength and maturity to be able lift and operate the hedge trimmer correctly for extended periods of use. They must also be able to read, understand and follow the safety instructions in this manual.
- Exhaust fumes contain poisonous carbon monoxide gas.
  Operate your hedge trimmer only outdoors in a well-ventilated area. Stop the engine immediately if exhaust fumes cause you to experience symptoms of headache or nausea.
- Gasoline is highly flammable and can be explosive under certain conditions.
  Before refueling, stop engine and allow it to cool. Do not smoke. Make sure area is well ventilated and free from any source of flame or sparks, including appliances with a pilot light. Wipe up fuel spills immediately. Check for and repair any fuel leaks before starting hedge trimmer.

Operator
- Inattention or fatigue can lead to serious or fatal injury.
  Never operate the hedge trimmer under the influence of drugs or alcohol. Do not use the hedge trimmer if you are sick or taking medication that causes drowsiness. If you get tired while using the hedge trimmer, take a brake.
- Always wear appropriate protective gear to avoid injury.
  Eye protection in the form of goggles or properly fitted safety glasses must be worn. Hearing protection, such as
earplugs, should also be used. Have your hearing checked regularly. Protect your hands and feet by always wearing heavy-duty boots and non-slip gloves when operating the hedge trimmer.

- Loose clothing or hair can lead to injury.
  Long hair and loose articles of clothing such as scarves, neckties, jewellery, and so forth, can become caught in nearby branches or in moving parts of the hedge trimmer itself. Always wear sturdy close-fitting long-sleeve shirts and long parts that still allow freedom of movement. Secure hair so that it is above shoulder level.

- Maintain your balance to avoid loss of control and injury.
  Take care on loose uneven ground. Keep both feet firmly on the ground while operating the hedge trimmer. Never work on a ladder, in a tree or any other insecure support. Keep both hands on the hedge trimmer and do not overreach. Never attempt to cut overhead or with on hand.

- Always be aware of your surroundings and stay alert for possible hazards that you may not hear due to the noise of the hedge trimmer.

- Stop the engine and make sure that the cutting blade is stopped when cleaning, checking, maintenance or working on the hedge trimmer.

- Gasoline is highly flammable and can burn or irritate skin.
  Change clothing immediately if fuel is spilled on it. Never remove fuel cap while the engine is running.

- Be alert for signs of repetitive stress injury.
  Using a hedge trimmer or any vibrating machinery over a period of time may cause numbness, burning sensations, or other indications of injury. If you experience any such symptoms, discontinue use of the hedge trimmer and consult your doctor.

**Hedge Trimmer**

- Modifying the hedge trimmer may make it unsafe.
  Never modify your hedge trimmer, except as advised by Kawasaki in writing. Use only Kawasaki supplied or approved attachments and repair parts.

- Damaged or loose parts can break off and injure operator or bystanders.
  Always inspect your hedge trimmer before each use. Check to be sure the throttle works smoothly and snaps to a closed position when it is released. Never use a hedge trimmer with a sticking throttle lever. Be sure the cutting tool is fastened in place properly and is not cracked, bent, warped or broken.

- Guards must be in place to prevent injury.
  Before each use, check to be sure the guard is fastened in place properly. Never operate the hedge trimmer without the guards.

- To reduce fire hazard keep the engine and muffler free of debris, leaves or excessive lubricant.
- Recoil starter rope can injure you if released suddenly.
  When starting the engine, grasp the recoil starter firmly by the grip. Do not grasp the starter rope itself. Always control the rope during rewind into the housing. Releasing the starter rope suddenly may allow the rope to whip around and injure you or damage the recoil starter mechanism.
- Proper maintenance is essential for safety.
  A well-maintenance hedge trimmer is safer and operates more efficiently. Regularly check hedge trimmer adjustments and replace worn or damaged parts. If engine idle speed is set too high, the cutting blade will not stop when the operator releases the throttle. A worn out or damaged muffler can emit sparks and cause a fire. Increased noise levels can lead to hearing loss. A dull cutting blade is more likely to snag than a sharp blade. Observe maintenance schedule in the Owner’s Manual.
- Store hedge trimmer safely to prevent fire or equipment damage.
  To avoid fuel leakage and fire hazard, always empty the fuel tank and run carburetor dry before storing your hedge trimmer. Old fuel can clog the carburetor and lead to hard starting or poor running conditions. Store hedge trimmer in a dry, secure location out of the reach of children. When transporting hedge trimmer in a vehicle, take precautions to secure it against damage from falling over and fuel spillage.
Whenever you see the symbols shown below, heed their instructions! Always follow safe operating and maintenance practices.

**WARNING**

This warning symbol identifies special instructions or procedures which, if not correctly followed, could result in personal injury, or loss of life.

**CAUTION**

This caution symbol identifies special instructions or procedures which, if not strictly observed, could result in damage to, or destruction of equipment.

**NOTE**

This note symbol indicates points of particular interest for more efficient and convenient operation.

---

**ENVIRONMENTAL PROTECTION**

To protect our environment, properly dispose of used batteries, engine oil, gasoline, coolant, or other components that you might discard.

Consult your authorized Kawasaki dealer or local environmental waste agency for the proper disposal procedures.
EMISSION CONTROL INFORMATION

Fuel Information
THIS ENGINE IS CERTIFIED TO OPERATE ON UNLEADED REGULAR GRADE GASOLINE ONLY.
A minimum of 87 octane of the antiknock index is recommended. The antiknock index is posted on service station pumps in the U.S.A.

Emission Control Information
To protect the environment in which we all live, Kawasaki has incorporated an exhaust emission control system (EM) in compliance with applicable regulations of the United States Environmental Protection Agency and the California Air Resources Board. Additionally, Kawasaki has incorporated an evaporative emission control system in compliance with applicable regulations of the California Air Resources Board. Also, depending on when your engine was produced, it may have an assigned emissions durability period.

* See below for the engine emissions durability period that may apply to your engine.

Exhaust Emission Control System
This system reduces the amount of pollutants discharged into the atmosphere by the exhaust of this engine. The fuel, ignition and exhaust systems of this engine have been carefully designed and constructed to ensure an efficient engine with low exhaust pollutant levels.

Evaporative Emission Control System
The evaporative emission control system for KHS750BC model consists of low permeation fuel tank.

Engine Emissions Compliance Period

<table>
<thead>
<tr>
<th>California</th>
<th>All Other States</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Year - 2007 and later</td>
<td>Engines less than 50 cc</td>
</tr>
<tr>
<td>Durability Period - 300 hours</td>
<td>Model Year - 2007 and later</td>
</tr>
<tr>
<td></td>
<td>Durability Period - 300 hours</td>
</tr>
</tbody>
</table>

* If your engine has an assigned emissions durability period it will be located on the certification label attached to the engine (IMPORTANT ENGINE INFORMATION : useful life hours).
Maintenance and Warranty

Proper maintenance is necessary to ensure that your engine will continue to have low emission levels. This Owner's Manual contains those maintenance recommendations for your engine. Those items identified by the Periodic Maintenance Chart are necessary to ensure compliance with the applicable standards.

As the owner of the hedge trimmer you have the responsibility to make sure that the recommended maintenance is carried out according to the instructions in this Owner's Manual at your own expense.

The Kawasaki Limited Emission Control System Warranty requires that you return your engine to an authorized Kawasaki dealer for remedy under warranty. Please red the warranty carefully, and keep it valid by complying with the owner's obligations it contains.

Tampering with Emission Control System Prohibited

Federal law and California state law prohibit the following acts or the causing thereof: (1) the removal or rendering inoperative by any person other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new engine for the purposes of emission control prior to its sale or delivery to the ultimate purchaser or while it is in use, or (2) the use of the engine after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are the acts listed below:
- Do not tamper with the original emission related parts.
- Carburetor and internal parts
- Spark plug
- Magneto or electronic ignition system
- Fuel filter
- Muffler or any internal portion of the muffler
- Air cleaner element
- Fuel tank

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve clearance</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Ignition Timing</td>
<td>Unadjustable</td>
</tr>
<tr>
<td>Idle Speed</td>
<td>3000 ± 200 rpm (KHD600A &amp; KHS750B); 2500 rpm (KHS750BC)</td>
</tr>
<tr>
<td>Idle Mixture Screw</td>
<td>Unadjustable</td>
</tr>
<tr>
<td>High Mixture Screw</td>
<td>Unadjustable</td>
</tr>
<tr>
<td>Spark Plug Gap</td>
<td>0.6 – 0.7 mm (0.024 – 0.028 in.)</td>
</tr>
<tr>
<td>Other specifications</td>
<td>NO OTHER SPECIFICATION NEEDED</td>
</tr>
</tbody>
</table>
FOREWORD

We are pleased you have chosen the Kawasaki Hedge Trimmer. This Owner's Manual is provided to aid you in the safe and reliable operation of your hedge trimmer. READ AND UNDERSTAND IT THOROUGHLY BEFORE OPERATING YOUR HEDGE TRIMMER.

To ensure a long, trouble-free your hedge trimmer, give it proper care and maintenance in accordance with this Owner's Manual.

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KAWASAKI MOTORS Corp.,U. S. A.
2007

Fourth Edition (4) : July 2007(I)
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## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>KHD600A</th>
<th>KHS750B/BC</th>
<th>KHS1100B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimension</td>
<td>LxWxH mm (in.)</td>
<td>1039 x 244 x 221 (40.9 x 9.6 x 8.7)</td>
<td>1039 x 270 x 260 (40.9 x 10.6 x 10.2)</td>
</tr>
<tr>
<td>Weight</td>
<td>kg (lbs)</td>
<td>5.7 (12.6)</td>
<td>5.5 (12.1)</td>
</tr>
<tr>
<td>Engine</td>
<td>Type</td>
<td>Forced air cooled, 2-stroke, vertical shaft, gasoline engine</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Displacement mL (cu. in.)</td>
<td>22.5 (1.37)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carburetor</td>
<td>Diaphragm type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ignition</td>
<td>Solid State ignition</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Spark plug</td>
<td>NGK BMR4A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Starter</td>
<td>Recoil starter</td>
<td></td>
</tr>
<tr>
<td>Clutch</td>
<td>Type</td>
<td>Automatic centrifugal type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>mm (in.)</td>
<td>ø54 (2.1)</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>Mixing ratio</td>
<td>50 parts of regular unleaded gasoline to 1 part of 2-stroke engine oil by volume</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tank capacity L</td>
<td>0.5</td>
<td></td>
</tr>
<tr>
<td>Blades</td>
<td>Type</td>
<td>Double-reciprocating, double-sided blades</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Overall length mm (in.)</td>
<td>598 (23.5)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cutting length mm (in.)</td>
<td>519 (20.4)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tooth pitch mm (in.)</td>
<td>35 (1.38)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Speed mm (in.)</td>
<td>986 (38.8)/sec/7000 rpm</td>
<td></td>
</tr>
<tr>
<td>Transmission</td>
<td>Clutch type</td>
<td>Dry type</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gear ratio</td>
<td>1.414 (14T/58T)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drive</td>
<td>Two series camdrive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Lubrication</td>
<td>Lithium grease</td>
<td></td>
</tr>
</tbody>
</table>
PREPARATIONS 10

Preparations

Location of Parts

Double sided blade model (KHD600A)

A. Front handle
B. Guard
C. Rear handle
D. Cutter blades
E. Cutter guard
F. Cutter blades guard
PREPARATIONS 11

A. Fuel tank  
B. Tank cap  
C. Air filter/Carburetor

A. Engine switch  
B. Throttle lever  
C. Set lever  
D. Recoil starter  
E. Recoil starter grip  
F. Spark plug/Spark plug cap  
G. Muffler cover/Muffler (with spark arrestor)  
H. Serial number label
12 PREPARATIONS

Single sided blade model (KHS750B/BC, KHS1100B)

A. Front handle
B. Guard
C. Rear handle
D. Cutter blades
E. Cutter guard
F. Cutter blades guard
G. Gear case
H. Throttle cable/harness
I. Engine
J. Goggles
K. Tool kit
L. Owner’s manual
M. Registration card

A. Warning label
B. Guard
PREPARATIONS 13

A. Engine switch
B. Fuel tank
C. Tank cap
D. Air filter/Carburetor
E. Throttle lever
F. Set lever

A. Recoil starter
B. Recoil starter grip
C. Spark plug/Spark plug cap
D. Muffler cover/Muffler (with spark arrestor)
E. Serial number label
14 PREPARATIONS

Fuel and Oil

Type:
The fuel is a mixture of gasoline and oil. A 50 to 1 mixture is recommended (50 parts gasoline to 1 part oil). Mix it thoroughly before pouring it into the hedge trimmer fuel tank.

<table>
<thead>
<tr>
<th>CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol or &quot;gasohol&quot; may damage the engine. The hedge trimmer is designed to run on a 50-to-1 mixture of unleaded regular gasoline (87 octane) and quality TC class or JASO FC class 2-stroke oil for air-cooled engines.</td>
</tr>
</tbody>
</table>

The octane rating of gasoline is a measure of its resistance to detonation or "knocking". Use a gasoline with rating equal to or higher than that shown in the table below. The Antiknock Index is an average of the Research Octane No. (RON) and the Motor Octane No. (MON). The Antiknock Index is posted on service station pumps in the U.S.A. If the Antiknock Index is not posted, be sure the Research Octane No. is adequate.

<table>
<thead>
<tr>
<th>Octane Rating Method</th>
<th>Minimum Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antiknock Index ( \frac{(RON+MON)}{2} )</td>
<td>87</td>
</tr>
<tr>
<td>Research Octane Number (RON)</td>
<td>91</td>
</tr>
</tbody>
</table>

Recommended engine oil: High quality 2-stroke air cooled engine oil

JASO service Classification: FC class
Mixing:

**WARNING**

Gasoline is highly flammable and can be explosive under certain circumstances. Never overfill tank so that fuel rises into filler neck. Heat may cause fuel to expand and overflow through vents in tank cap. After refueling, make sure cap is closed securely. If gasoline is spilled on engine or tank, wipe it off immediately.

Pour the measured amount of 2-stroke oil into a gasoline container and add gasoline to the specified container amount.

**NOTE**

- Do not use gasoline that has been stored longer than two months.
- To ensure proper starting at low ambient temperatures, fresh winter grade fuel must be used.

Filling the Tank:
- Level the engine before fueling.
- Open the fuel tank cap and fill the tank with 50:1 gas/oil pre-mixed fuel.
- Pour slowly to avoid "spit back" and allow air to escape from the tank.

<table>
<thead>
<tr>
<th>Gallon</th>
<th>Liter</th>
<th>OZ</th>
<th>mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>3.79</td>
<td>2.6</td>
<td>76</td>
</tr>
<tr>
<td>2</td>
<td>7.6</td>
<td>5.1</td>
<td>152</td>
</tr>
<tr>
<td>3</td>
<td>11.4</td>
<td>7.8</td>
<td>228</td>
</tr>
<tr>
<td>4</td>
<td>15.1</td>
<td>10.4</td>
<td>304</td>
</tr>
<tr>
<td>5</td>
<td>18.9</td>
<td>13.0</td>
<td>380</td>
</tr>
<tr>
<td>6</td>
<td>22.7</td>
<td>15.6</td>
<td>456</td>
</tr>
</tbody>
</table>
Operating Instructions

**Double Side Blade Model (KHD600A)**

**Starting the engine**
- Turn the engine switch to the "I" position.

**NOTE**
- The engine switch is located on the left side of the rear handle.

- Turn the choke lever to the "N" position by hand.

**NOTE**
- When the engine is already warm or on hot days, set the choke lever to the "H" position.
- Turn the choke lever to the "N" position. The choke lever will automatically return to the "H" position when the operator grasps the set lever and the throttle lever momentarily. If the engine fires, but does not run continuously, repeat the starting procedure with the choke lever to the "N" position.

**NOTE**

- Should the engine fail to start, do not try to pull the recoil starter too many times with the choke lever to the "N" position. This will cause the fuel to flood into the cylinder and make starting even more difficult. In this case, set the choke lever to the "H" position and repeat the starting procedure.
- After starting, vary the engine speed a few times to draw out the remaining fuel from the cylinder.
18 OPERATING INSTRUCTIONS

- Pull recoil starter grip slowly to engine the starter, then five a short, quick pull.

**WARNING**

Cutter blades can cause severe injury. Never hold throttle lever and set lever when starting the engine to prevent unexpected operation of the cutter blades.

**WARNING**

Recoil starter rope can cause injury if released suddenly. When starting the engine, grasp the recoil starter firmly by the grip. Do not grasp the starter rope itself. Always control the rope during rewind into the housing. Releasing the starter rope suddenly may allow the rope to whip around and injure you or damage the recoil starting mechanism.

A. Recoil starter grip
A. Priming pump
B. Overflow tube

- Slowly push the priming pump several times until the fuel comes out of the overflow tube.

**NOTE**

- The fuel that overflows by pushing the priming pump is designed to return the fuel tank.
20 OPERATING INSTRUCTIONS

Warming Up

- After allowing a few minutes warming-up period, the engine should run stably at the idling speed.

The stable idling speed is about 3,000 rpm.

**WARNING**

Cutter blades can cause severe injury. Never hold throttle lever and set lever when warming up the engine to prevent unexpected operation of the cutter blades.

**CAUTION**

Allow sufficient warm-up time to prevent engine damage. The engine should be run at idle speed for a few minutes to allow it to warm up before applying a load. This will allow oil to reach all engine parts, and allow piston clearance to reach design specifications.

**NOTE**

- If the cutter blades move when the engine is running at the idle speed, turn the idle screw counterclockwise to decrease the engine idle speed.
- If the engine does not idle, the idle speed may be changed too low. Turn the idle screw clockwise to increase the engine idle speed.

A. Idle screw
Operation
- Hold the throttle lever, the set lever and the front handle while operating the hedge trimmer.

A. Throttle lever and set lever
22 OPERATING INSTRUCTIONS

Stopping the Engine
Ordinary Stop

CAUTION

Suddenly stopping from high-speed operation can cause engine damage. Reduce engine speed to idle for one minute before shutting engine off after high-speed, full-load operation.

- Place the hedge trimmer on firm ground.
- Release the throttle lever and the set lever, and keep the engine running at idling speed for one minute.
- Turn the engine switch to the "O" position.

Emergency Stop
- Place the hedge trimmer on firm ground.

• Turn the engine switch to the "O" position.
• Release the throttle lever and the set lever.

A. Engine switch
Starting the engine
- Turn the engine switch to the "I" position.

**NOTE**
- The engine switch is located on the front side of the rear handle.

Single Sided Blade Model (KHS750B/BC, KHS1100B)

- Turn the choke lever to the "N" position by hand.

**NOTE**
- When the engine is already warm or on hot days, set the choke lever the "H" position.
24 OPERATING INSTRUCTIONS

- Turn the choke lever to the "N" position. The choke lever will automatically return to the "H" position when the operator grasps the set lever and the throttle lever momentarily. If the engine fires, but does not run continuously, repeat the starting procedure with the choke lever to the "N" position.

NOTE

⊙ Should the engine fail to start, do not try to pull the recoil starter too many times with the choke lever to the "N" position. This will cause the fuel to flood into the cylinder and make starting even more difficult. In this case, set the choke lever to the "H" position and repeat the starting procedure.

⊙ After starting, vary the engine speed a few times to draw out the remaining fuel from the cylinder.
- Pull recoil starter grip slowly to engine the starter, then five a short, quick pull.

**WARNING**

Cutter blades can cause severe injury. Never hold throttel lever and set lever when starting the engine to prevent unexpected operation of the cutter blades.

**WARNING**

Recoil starter rope can cause injury if released suddenly. When starting the engine, grasp the recoil starter firmly by the grip. Do not grasp the starter rope itself. Always control the rope during rewind into the housing. Releasing the starter rope suddenly may allow the rope to whip around and injure you or damage the recoil starting mechanism.
26 OPERATING INSTRUCTIONS

- Slowly push the priming pump several times until the fuel comes out of the overflow tube.

**NOTE**

- The fuel that overflows by pushing the priming pump is designed to return to the fuel tank.

A. Priming pump
B. Overflow tube
Warming Up

• After allowing a few minutes warming-up period, the engine should run stably at the idling speed.

The stable idling speed is about 3,000 rpm.

**WARNING**

Cutter blades can cause severe injury. Never hold throttle lever and set lever when warming up the engine to prevent unexpected operation of the cutter blades.

**CAUTION**

Allow sufficient warm-up time to prevent engine damage. The engine should be run at idle speed for a few minutes to allow it to warm up before applying a load. This will allow oil to reach all engine parts, and allow piston clearance to reach design specifications.

**NOTE**

- If the cutter blades move when the engine is running at the idle speed, turn the idle screw counterclockwise to decrease the engine idle speed.
- If the engine does not idle, the idle speed may be set too low. Turn the idle screw clockwise to increase the engine idle speed.
28 OPERATING INSTRUCTIONS

Operation

- Hold the throttle lever, the set lever and the front handle while operating the hedge trimmer.

A. Throttle lever and set lever
Stopping the Engine

Ordinary Stop

CAUTION

Suddenly stopping from high-speed operation can cause engine damage. Reduce engine speed to idle for one minute before shutting engine off after high-speed, full-load operation.

- Place the hedge trimmer on firm ground.
- Release the throttle lever and the set lever, and keep the engine running at idling speed for one minute.
- Turn the engine switch to the "O" position.

Emergency Stop
- Place the hedge trimmer on firm ground.

- Turn the engine switch to the "O" position.
- Release the throttle lever and the set lever.

A. Engine switch
Catalytic Converter

Catalytic Converter (KHS750BC)

This small engine is equipped with a catalytic converter in the exhaust system to significantly reduce exhaust emissions. The catalytic converter converts carbon monoxide and hydrocarbons into harmless carbon oxide and water.

The catalytic converter requires special care.

- Use only unleaded gasoline. Never use leaded gasoline. Leaded gasoline significantly reduces the capability of the catalytic converter.
- Do not use 2-cycle oil that contains Phosphorus (P), Lead (Pb), or Sulphur (S). These elements will reduce the life and performance of the catalytic converter.
- Before shutting the engine off, allow it to idle for a short time.

NOTE

- Never stop the engine by closing the choke.
- Never stop the engine during operation while running above idle speed.

- Shut off the engine and allow it to cool before transporting or storing the unit.
- Do not put the until on dry grass or near any flammable object unless the engine is cold or cooled down.
## Maintenance and Adjustment

### Periodic Maintenance Chart

<table>
<thead>
<tr>
<th>Maintenance</th>
<th>Daily</th>
<th>First 20 hours</th>
<th>Every 20 hours</th>
<th>Every 50 hours</th>
<th>Every 100 hours</th>
<th>Every 200 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check and replenish fuel</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check for fuel leakage</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Check bolts, nuts and screws for looseness and loss</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Check throttle lever operation</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Check engine switch operation</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clean fuel filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Clean air filter element</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Tighten bolts, nuts and screws</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Clean spark plug and adjust electrode gap</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remove dust and dirt from cylinder fins</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>Grease gear case assembly</td>
<td>•</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>K</strong> Remove carbon deposits on piston head and inside cylinder</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 32 MAINTENANCE AND ADJUSTMENT

<table>
<thead>
<tr>
<th>Maintenance</th>
<th>Daily</th>
<th>First 20 hours</th>
<th>Every 20 hours</th>
<th>Every 50 hours</th>
<th>Every 100 hours</th>
<th>Every 200 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remove carbon deposits in the exhaust pipe of muffler</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Clean spark arrestor screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>●</td>
<td></td>
</tr>
<tr>
<td><strong>K</strong> Check the sliding portion of crankshaft, connecting rod etc.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Fuel tube</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>It is recommended to replace every 3 years</td>
</tr>
</tbody>
</table>

**K**: These items must be performed with proper tools. See your authorized Kawasaki dealer for service.

**NOTE**

- The service intervals indicated are to be used as a guide.
- Service with an Asterisk (*) should be performed more frequently as necessary by operating condition.
Air Filter Service

Clean the element every 20 hours.
- Unscrew the knob for air filter cap, and remove the element.
- Wash element in detergent and water, and dry it thoroughly.

NOTE
Operating in dusty condition may require more frequent maintenance than above.

CAUTION
Improper air filter cleaning can result in engine damage.
Do not use compressed air to clean or dry air filter. Do not operate engine with air filter removed.
Always clean air filter with an approved high flash point solvent only. Never use gasoline.
34 MAINTENANCE AND ADJUSTMENT

KHS750B/BC, KHS1100B

A. Air filter cap
B. Element
Fuel Filter Service

Clean the fuel filter element every 20 hours

**WARNING**

Improper use of solvents can result in fire or an explosion. Clean the fuel filter in a well-ventilated area away from sources of sparks or flame, including appliances with a pilot light. Never use gasoline or low-flash point solvents to clean the fuel filter.

- Remove the grommet from the fuel tank, and then remove the fuel filter assembly from the fuel tank together with the grommet and the fuel tube to keep dust from entering into the fuel filter.
- Clean the fuel filter assembly in a bath of high flash-point solvent.
- Dry the fuel filter assembly before installing.

**NOTE**

- If fuel does not flow better with the fuel filter cleaned, replace the fuel filter assembly with a new one.
36 MAINTENANCE AND ADJUSTMENT

Spark Plug Service

Clean or replace spark plug and reset gap every 50 hours of operation.

**WARNING**

Hot engine parts can cause severe burns. Allow engine to stop and cool before checking spark plugs.

- Disconnect the spark plug cap from the spark plug and remove the spark plug.
- Clean the electrodes (B) by scraping or with a wire brush to remove carbon deposits and wetness.
- Inspect for cracked porcelain or other wear and damage. Replace the spark plug if necessary.
- Check the spark plug gap and reset it if necessary. The gap must be between 0.6 mm (0.024 in.) and 0.7 mm (0.028 in.). To change the gap bend only side-electrode, using a spark plug tool.
- Install and tighten the spark plug to 12 ~ 17 N-m (1.2 ~ 1.7 kg-m) then connect the spark plug cap.

Recommended spark plug: NGK BPMR4A
Spark Arrestor Cleaning Service

Clean spark arrestor every 50 hours.

**WARNING**

Hot engine parts can cause severe burns. Allow engine to stop and cool before checking spark arrestor.

- Remove the spark arrestor by unscrewing the screws at the exhaust pipe of muffler.
- Clean deposits from the spark arrestor screen by brushing it.
- Install the spark arrestor.
Clean and lubricate the cutter blades at each refuelling.
Disconnect the spark plug cap from the spark plug.
Clean the surface of cutter blades, and apply a few drops of machine oil to them on each refuelling.

Cutter Blades Lubrication Service

**WARNING**

Hot engine parts can cause severe burns.
Allow engine to stop, and cool before lubricating cutter blades.

**WARNING**

Cutter blades can cause severe injury.
Wear gloves to protect hands when handling cutter blades.
Gear Case Lubrication Service

- Lubricate the gear case every 20 hours.
- Disconnect the spark plug cap from the spark plug.
- Inject #1 class lithium grease into the gear case by using grease gun.

**WARNING**

Hot engine parts can cause severe burns. Allow engine to stop, and cool before lubricating gear case.

**WARNING**

Cutter blades can cause severe injury. Wear gloves to protect hands when handling cutter blades.
40 MAINTENANCE AND ADJUSTMENT

KHS750B/BC, KHS1100B

A. Gear case
B. Grease gun
Storage

If you plan to store the hedge trimmer for more than 30 days, completely drain the fuel to prevent gum deposits forming on essential carburetor parts, fuel filter, and fuel tank.

- Clean the engine and the cutter blades.
- Remove all the fuel from the tank and run the engine at idling to use up the fuel in the carburetor.
- Remove the spark plug, pour in 0.5 ml of new 2-stroke engine oil through the plug hole, pull the recoil starter several times, and reinstall the spark plug.
- Slowly pull the recoil starter until resistance is felt as the piston rises on its compression stroke. This closes both the intake and exhaust ports with the piston.
- Store the hedge trimmer in a clean and dry place.

**WARNING**

Gasoline is a toxic substance. Dispose of gasoline properly. Contact your local authorities for approved disposal methods.
42 TROUBLESHOOTING GUIDE

Troubleshooting Guide

If the engine malfunctions, carefully examine the symptoms and the operating conditions, and use the table below as a guide to troubleshooting.

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Probable cause</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insufficient compression</td>
<td>Faulty Piston, Cylinder and Piston ring</td>
<td>K</td>
</tr>
<tr>
<td>No fuel to combustion chamber</td>
<td>No Fuel in fuel tank</td>
<td>Fill fuel tank.</td>
</tr>
<tr>
<td>Spark plug fouled by fuel</td>
<td>Over-rich fuel/air mixture</td>
<td>Turn choke lever to &quot;OPEN&quot;. Rotate engine with spark plug removed to discharge excess fuel. Clean spark plug.</td>
</tr>
<tr>
<td>Faulty spark plug</td>
<td>Replace spark plug.</td>
<td></td>
</tr>
<tr>
<td>Engine overheats</td>
<td>Colgged air cleaner</td>
<td>Clean.</td>
</tr>
</tbody>
</table>

K: Service should be performed by an authorized Kawasaki engine dealer.
KAWASAKI LIMITED WARRANTY
POWER PRODUCTS

Kawasaki Motors Corp, U.S.A., 9950 Jeronimo Road, Irvine, California (hereinafter "Kawasaki") warrants to the initial retail purchaser of each new Kawasaki power product that such product shall be free, under normal use and maintenance, from any defect in material and workmanship for the term designated below, subject to the following conditions, exclusions, obligations and limitations:

1. COVERAGE. The warranty herein shall be applicable for a term of two (2) years after the date of initial retail purchase from an authorized Kawasaki power products dealer if the subject product is used for residential purposes, for a term of one (1) year after the date of such initial retail purchase if the subject is used for commercial purposes or for a term of six (6) months after the date of such initial retail purchase if the subject product is used for rental purposes. Any material or workmanship found to be defective by Kawasaki within the warranty term shall be remedied without charge for parts or labor at any authorized Kawasaki power products dealer.

   Lifetime drive shaft warranty.
   All Kawasaki trimmer drive shafts are warranted for life on parts only for all usage except rental use.

   Lifetime electronic ignition module warranty.
   On 2-stroke engine powered products, electronic ignition modules are warranted for life on parts only for all usage except rental use.

2. OWNER'S OBLIGATIONS. The following obligations must be fulfilled by owner to maintain the validity of the Kawasaki warranty:
   (a) Owner must deliver the power product to an authorized Kawasaki power products dealer or equally qualified service center for inspection, maintenance services and adjustments according to the Periodic Maintenance chart contained in the owner's manual. The inspection, maintenance services and adjustment are to be performed at owner's expense.
   (b) Owner must present proof of initial retail purchase date to an authorized Kawasaki power products dealer at the time warranty repairs are performed on the power product.

3. LIMITATIONS. This warranty shall not apply to or include any of the following:
   (a) Repair or replacement required as a result to (i) accident, (ii) misuse or neglect, (iii) lack of reasonable and proper maintenance, (iv) repairs improperly performed or replacements improperly installed, (v) use of replacement parts or accessories not conforming to Kawasaki specifications which adversely affect performance and/or durability, (vi) alterations or modifications not recommended or approved in writing by Kawasaki, and/or (vii) wear and deterioration occasioned by the use of the power product.
   (b) Routine maintenance service adjustments, cleaning and/or expendables such a spark plug, lubrications, air filter elements, cables, packaging and cutter blades, disks or lines.
4. LIMITED LIABILITY.
   (a) The liability of Kawasaki under this warranty is limited solely to the remedying of defects in materials or workmanship by an authorized Kawasaki power products dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of power product or transportation of the power product to or from the Kawasaki dealer. KAWASAKI SHALL NOT BE LIABLE FOR ANY OTHER EXPENSE, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF OR INABILITY TO USE THE KAWASAKI POWER PRODUCT FOR ANY PURPOSE. SOME STATES DO NOT ALLOW CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.
   (b) NO EXPRESS WARRANTY IS GIVEN BY KAWASAKI WITH RESPECT TO THE KAWASAKI POWER PRODUCT EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY LIMITED TO THE WARRANTY TERMS SET FORTH HEREIN. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.
   (c) No distributor, dealer or other power product reseller is authorized to modify this Kawasaki Limited Power Product Warranty.

5. LEGAL RIGHTS. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.
KAWASAKI LIMITED WARRANTY CALIFORNIA AND FEDERAL EMISSIONS CONTROL SYSTEMS SMALL OFF-ROAD ENGINES

The California Air Resources Board, the Environmental Protection Agency (EPA), and Kawasaki Motors Corp., U.S.A. (hereinafter "Kawasaki") are pleased to explain the Emissions Control Systems Warranty on your Kawasaki small off-road engine. In California and other states, new small off-road engines must be designed, built and equipped to meet stringent anti-smog standards. Kawasaki must warrant the emissions control system on your small off-road engine for the period of time listed below provided there has been no abuse, neglect or improper maintenance of your small off-road engine. Your emissions control system may include parts such as the carburetor or fuel-injection system, the ignition system, and catalytic converter. Also included may be hoses, belts, connectors and other emissions related assemblies. Where a warrantable condition exists, Kawasaki will repair your small off-road engine at no cost to you including diagnosis (if the diagnostic work is performed at a Kawasaki small off-road engine dealer), parts and labor.

OWNERS WARRANTY RESPONSIBILITIES. The following obligations must be fulfilled by the owner to maintain the validity of the Kawasaki California / EPA Emissions Systems Warranty:

(a) As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your owner's manual. Kawasaki recommends that you retain all receipts covering maintenance on your small off-road engine, but Kawasaki cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

(b) You are responsible for presenting your small off-road engine to an authorized Kawasaki small off-road engine Dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

(c) As the small off-road engine owner, you should also be aware that Kawasaki 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.

(d) If you have any questions regarding your warranty rights and responsibilities, you should contact Kawasaki Motors Corp., U.S.A., Consumer Services Department, 5080 36th Street, S.E., Grand Rapids, MI 49512, 949-460-5687.

1. COVERAGE. Kawasaki warrants to the initial owner and each subsequent purchaser that the small off-road engine is free from defects in materials and workmanship which cause a failure of a warranted part for a period of two years. Kawasaki is liable for damages to other engine components caused by the failure of a warranted part still under warranty. The 1995 and later small off-road engines are warranted for two years in California. In all other states, 1997 and later model year small off-road engines are warranted for two years. If any emissions-related part on your engine is defective, the part will be repaired or replaced by Kawasaki. This warranty time period shall begin on the date the small off-road engine is delivered to the initial purchaser, or on the date the small off-road engine is first placed in service.

Warranty defects shall be remedied during customary business hours at any authorized Kawasaki small off-road engine dealer located within the United States of America. Any manufacturer-approved replacement part may be used in the performance of any warranty maintenance or repairs on emissions-related parts, and must be provided without charge to the owner if the part is still under warranty. Any part or parts replaced under this warranty shall become the property of Kawasaki.
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The emissions related warranted parts are specifically defined by the California Air Resources Board’s Emissions Warranty Parts List. (EPA’s regulations do not include a parts list, but EPA considers emissions-related parts to include all parts listed here.) These warranted parts are: carburetor and internal parts, spark advance/retard system, cold start enrichment system, magneto or electronic ignition system, catalytic converter, intake manifold, exhaust manifold, air cleaner element, fuel tank, and fuel tank cap, and spark plugs if failure occurs prior to the first required scheduled replacement, hoses, clamps, fittings, gaskets, sealing devices, mounting hardware and tubing used directly in these parts.

Since emissions related parts may vary slightly from model to model, certain models may not contain all of these parts and certain models may contain functionally equivalent parts.

2. LIMITATIONS. This Emissions Control Systems Warranty shall not cover any of the following:
   (a) Repair or replacement required as a result of (i) misuse or neglect, (ii) lack of required maintenance, (iii) repairs improperly performed or replacements improperly installed, (iv) use of replacement parts or accessories not conforming to Kawasaki specifications which adversely affect performance and/or durability, (v) alterations or modifications not recommended or approved in writing by Kawasaki.
   (b) Replacement of parts and other services and adjustments necessary for required maintenance at and after the first scheduled replacement point.

3. LIMITED LIABILITY.
   (a) The liability of Kawasaki under this Emissions Control Systems Warranty is limited solely to the remedying of defects in materials or workmanship by any authorized Kawasaki small off-road engine dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the small off-road engine to or from the Kawasaki Dealer. KAWASAKI SHALL NOT BE LIABLE FOR ANY OTHER EXPENSE, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL (EXCEPTION LISTED UNDER COVERAGE) OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF OR INABILITY TO USE THE KAWASAKI SMALL OFF-ROAD ENGINE FOR ANY PURPOSE.
   (b) NO EXPRESS EMISSIONS CONTROL SYSTEMS WARRANTY IS GIVEN BY KAWASAKI WITH RESPECT TO THE KAWASAKI SMALL OFF-ROAD ENGINE EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY EMISSIONS CONTROL SYSTEMS WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS EXPRESSLY LIMITED TO THE EMISSIONS CONTROL SYSTEMS WARRANTY TERMS SET FORTH HEREIN. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES.
   (c) No dealer is authorized to modify this Kawasaki Limited Emissions Control Systems Warranty.
   (d) Kawasaki is not liable for parts which are not genuine Kawasaki parts except when genuine Kawasaki parts cause damage to non-Kawasaki parts.

4. LEGAL RIGHTS. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS.

5. THIS WARRANTY IS IN ADDITION TO THE KAWASAKI LIMITED SMALL OFF-ROAD ENGINE WARRANTY.

Effective 12/01/2005 P/N 99969-1942
Printed in U.S.A
WARNING
The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

AVISO
Los gases de escape de este motor contienen sustancias químicas que el Estado de California informa que producen cáncer, defectos en el nacimiento y otros daños reproductivos.

KHD600A
KHS750B/KHS750BC
KHS1100B

KAWASAKI MOTORS CORP., U.S.A.
Part No. 99920-2144-04

Printed in Japan