

Robin

Brush Cutter

NB2001

INSTRUCTION MANUAL

Important:

Read this instruction manual carefully before putting the Brush Cutter into operation and strictly observe the safety regulations! Preserve instruction manual carefully!



FUJIROBIN INDUSTRIES LTD.

Thank you very much for purchasing the ROBIN Brush Cutter. We are pleased to recommend to you the ROBIN Brush Cutter which is the result of a long development programme and many years of knowledge and experience.




















Please read this booklet which refers in detail to the various points that will demonstrate its outstanding performance. This will assist you to obtain the best possible result from your ROBIN Brush Cutter.

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SYMBOLS

You will note the following symbols when reading the instructions manual.

	Read instruction Manual		Wear eye and ear protection (for grass trimmer)
	Take Particular Care and Attention		Wear protective helmet, eye and ear protection (for Brush Cutter only)
	Forbidden		Do not use metal blades (for grass trimmer only)
	Keep distance		Top permissible tool speed
	Flying object hazard		Fuel and oil mixture
	No smoking		Engine-Manual start
	No naked flame		Emergency stop
	Protective gloves must be worn		First Aid
	Kickback		ON/START
	Keep the area of operation clear of all persons and pets		OFF/STOP

SAFETY INSTRUCTIONS

General Instructions

- To ensure correct operation, user has to read this instruction manual to make himself familiar with the handling of the brush cutter. Users insufficiently informed will risk danger to themselves as well as others due to improper handling.
- It is recommended only to lend the brush cutter to people who have proven to be experienced with brush cutters. Always hand over the instruction manual.
- First users should ask the dealer for basic instructions to familiarize oneself with the handling of an engine powered cutter.
- Children and young persons aged under 18 years must not be allowed to operate the brush cutter. Persons over the age of 16 years may however use the device for the purpose of being trained only whilst under supervision of a qualified trainer.
- Use brush cutters with the utmost care and attention.
- Operate the brush cutter only if you are in good physical condition. Perform all work calmly and carefully. The user has to accept liability for others.
- Never use the brush cutter after consumption of alcohol or drugs, or if feeling tired or ill.

Intended use of the machine

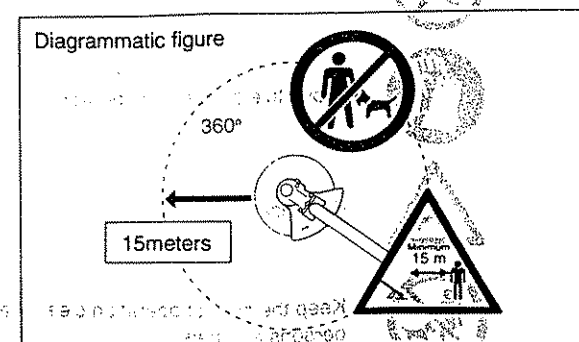
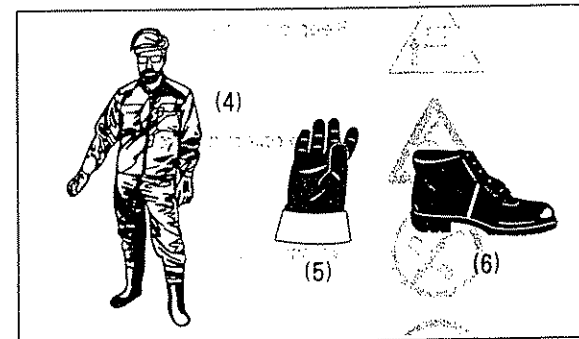
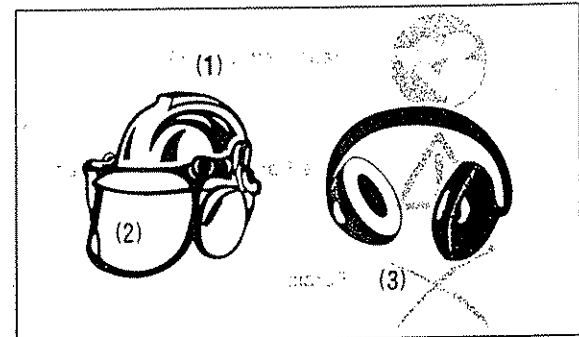
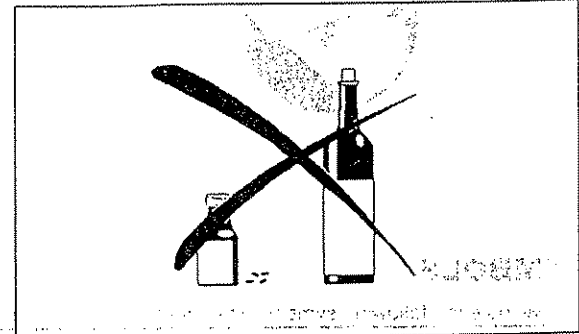
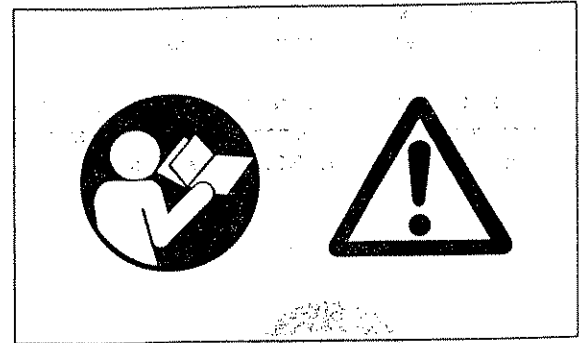
- The Brush cutter is only intended for cutter grass, weeds, Bushes, undergrowth it should not be used for any other purpose such as Edging or hedge cutting as this may cause injury.

Personal protective equipment

- The clothing worn should be functional and appropriate, i.e. it should be tight-fitting but not cause hindrance. Do not wear either jewelry or clothing which could become entangled with bushes or shrubs.
- In order to avoid either head-, eye-, hand- or foot injuries as well to protect your hearing the following protective equipment and protective clothing must be used during operation of the brush cutter.
- Always wear a helmet where there is a risk of falling objects. The protective helmet (1) is to be checked at regular intervals for damage and is to be replaced at the latest after 5 years. Use only approved protective helmets.
- The visor (2) of the helmet (or alternatively goggles) protects the face from flying debris and stones. During operation of the brush cutter always wear goggles, or a visor to prevent eye injuries.
- Wear adequate noise protection equipment to avoid hearing impairment (ear muffs (3), ear plugs etc.).
- The work overalls (4) protect against flying stones and debris. We strongly recommend that the user wears work overalls.
- Special gloves (5) made of thick leather are part of the prescribed equipment and must always be worn during operation of the brush cutter.
- When using the brush cutter, always wear sturdy shoes (6) with a non-slip sole. This protects against injuries and ensures a good footing.

Starting up the brush cutter

- Please make sure that there are no children or other people within a working range of 15 meters (49ft), also pay attention to any animals in the working vicinity.
- Before use always check that the brush cutter is safe for operation: Check the security of the cutting tool, the control lever for easy action and check for proper functioning of the control lever lock.
- Rotation of the cutting tool during idling speed is not allowed. Check with your dealer for adjustment if in doubt. Check for clean and dry handles and test the function of the start/stop switch.

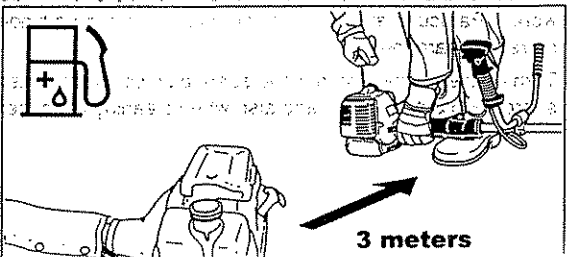
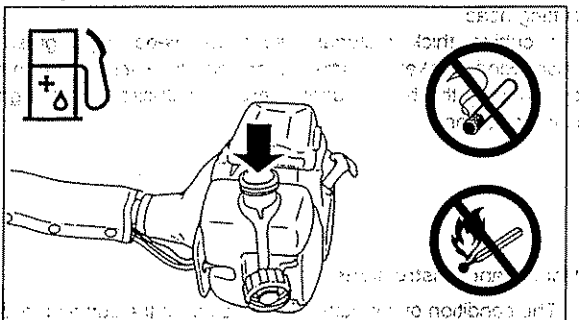
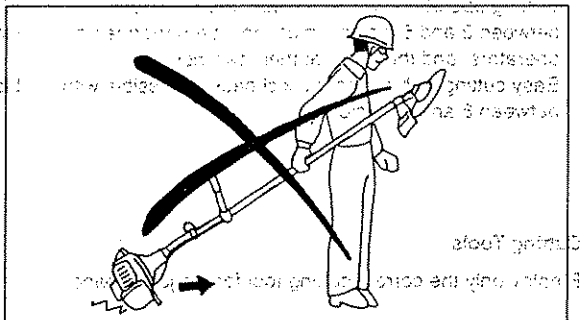
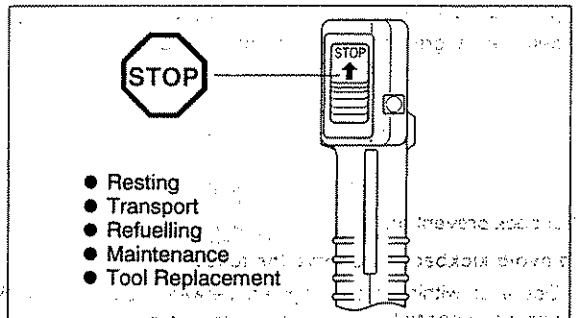
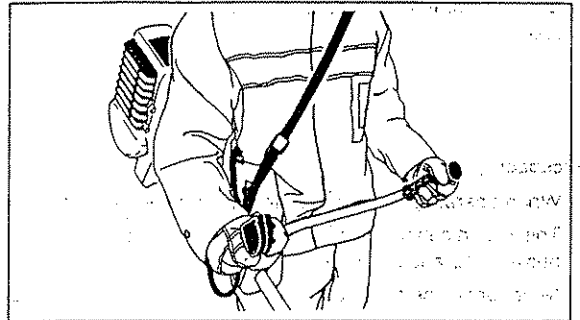
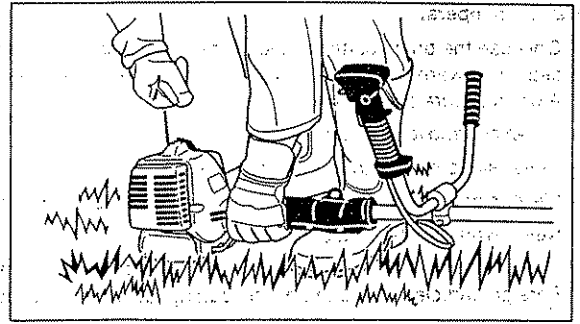


Start the brush cutter only in accordance with the instructions.
Do not use any other methods for starting the engine!

- Use the brush cutter and the tools only for such applications as specified.
- Only start the brush cutter engine, after the entire assembly is done. Operation of the device is only permitted after all the appropriate accessories are attached!
- Before starting make sure that the cutting tool has no contact with hard objects such as branches, stones etc. as the cutting tool will revolve when starting.
- The engine is to be switched off immediately in case of any engine problems.
- Should the cutting tool hit stones or other hard objects, immediately switch off the engine and inspect the cutting tool.
- Inspect the cutting tool at short regular intervals for damage (detection of hairline cracks by means of tapping-noise test).
- Operate the brush cutter only with the shoulder strap attached which is to be suitably adjusted before putting the brush cutter into operation. It is essential to adjust the shoulder strap according to the user's size to prevent fatigue occurring during use. Never hold the cutter with one hand during use.
- During operation always hold the brush cutter with both hands. Always ensure a safe footing.
- Operate the brush cutter in such a manner as to avoid inhalation of the exhaust gases. Never run the engine in enclosed rooms (risk of gas poisoning). Carbon monoxide is an odorless gas.
- Switch off the engine when resting and when leaving the brush cutter unattended, and place it in a safe location to prevent danger to others or damage to the machine.
- Never put the hot brush cutter onto dry grass or onto any combustible materials.
- The cutting tool has to be equipped with its appropriate guard. Never run the cutter without this guard!
- All protective installations and guards supplied with the machine must be used during operation.
- Never operate the engine with faulty exhaust muffler.
- Shut off the engine during transport.
- During transport over long distances the tool protection included with the equipment must always be used.
- Ensure safe position of the brush cutter during car transportation to avoid fuel leakage.
- When dispatching the brush cutter, ensure that the fuel tank is completely empty.
- When unloading the Brush Cutter from the truck, never drop the Engine to the ground or this may severely damage the fuel tank.
- Except in case of emergency, never drop or cast the Brush Cutter to the ground or this may severely damage the Brush Cutter
- Remember to lift the entire equipment from the ground when moving the equipment. Dragging the fuel tank is highly dangerous and will cause damage and leakage of fuel, possibly causing fire.

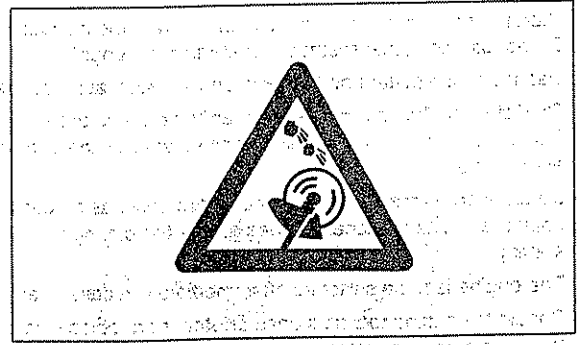
Refuelling

- Shut off the engine during refuelling, keep away from naked flames and do not smoke.
- Avoid skin contact with mineral oil products. Do not inhale fuel vapor. Always wear protective gloves during refuelling. Change and clean protective clothing at regular intervals.
- Take care not to spill either fuel or oil in order to prevent soil contamination (environmental protection). Clean the brush cutter immediately after fuel has been spilt.
- Avoid any fuel contact with your clothing. Change your clothing instantly if fuel has been spilt on it (to prevent clothing catching fire).
- Inspect the fuel cap at regular intervals making sure that it can be securely fastened and does not leak.
- Carefully tighten the fuel tank cap. Change location to start the engine (at least 3 meters away from the place of refuelling).
- Never refuel in closed rooms. Fuel vapors accumulate at ground level (risk of explosions).
- Only transport and store fuel in licensed containers. Make sure the fuel stored is not accessible to children



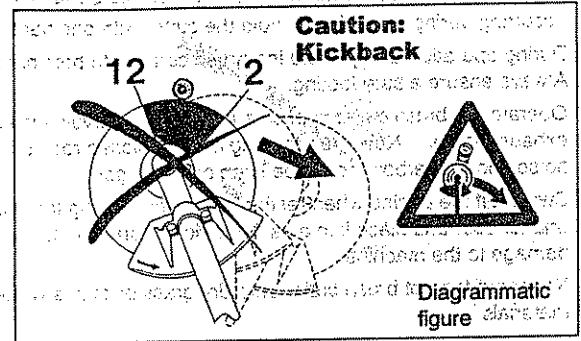
Method of operation

- Only use the brush cutter in good light and visibility. During the winter season beware of slippery or wet areas, ice and snow (risk of slipping). Always ensure a safe footing.
- Never cut above shoulder height.
- Never stand on a ladder and run the brush cutter.
- Never climb up into trees to perform cutting operation with the brush cutter.
- Never work on unstable surfaces.
- Remove sand, stones, nails etc. found within the working range. Foreign particles may damage the cutting tool and can cause dangerous kick-backs.
- Before commencing cutting, the cutting tool must have reached full working speed.



Kickback

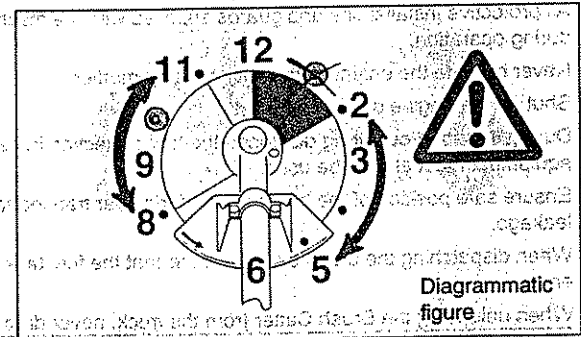
- When operating the brush cutter, uncontrolled kickback may occur.
- This is particularly the case when attempting to cut within a blade segment between 12 and 2 o'clock.
- Never apply the brush cutter within a segment between 12 and 2 o'clock.
- Never apply this segment of the brush cutter blade to solids, such as bushes and trees, etc., having a diameter in excess of 3 cm or the brush cutter will be deflected at great force with the risk of injuries.



Kickback prevention

To avoid kickbacks, observe the following:

- Operation within a blade segment between 12 and 2 o'clock presents positive hazards, especially when using metal cutting tools.
- Cutting operations within a blade segment between 11 and 12 o'clock, and between 2 and 5 o'clock, must only be performed by trained and experienced operators, and then only at their own risk.
- Easy cutting with almost no kickback is possible within a blade segment between 8 and 11 o'clock.

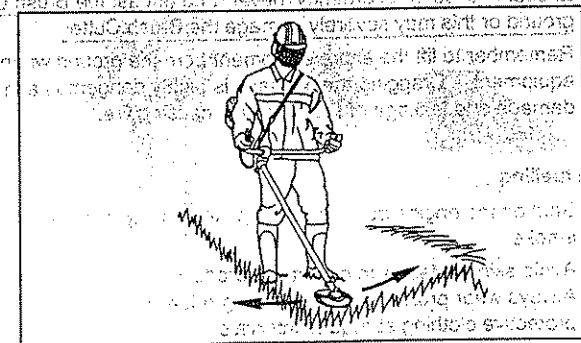


Cutting Tools

Employ only the correct cutting tool for the job in hand.

NB2001 with cutter blade (Star Blade (4 teeth), Eddy Blade (8 teeth)), Nylon cutting head

For cutting thick materials, such as weed, high grass, bushes, shrubs, underwood, thicket etc. (max. 2 cm dia. thickness). Perform this cutting work by swinging the brush cutter evenly in half-circles from right to left (similar to using a scythe).



Maintenance instructions

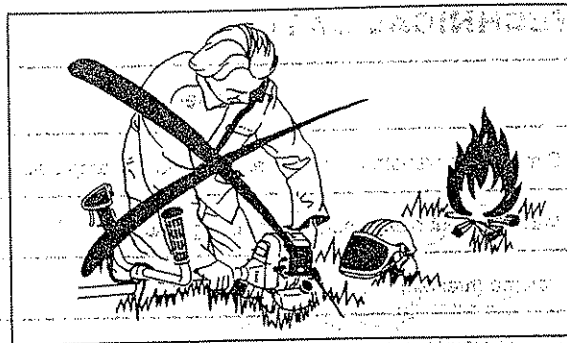
- The condition of the cutter, in particular of the cutting tool of the protective devices and also of the shoulder strap must be checked before commencing work. Particular attention is to be paid to the cutting blades which must be correctly sharpened.
- Turn off the engine and remove spark plug connector when replacing or sharpening cutting tools, and also when cleaning the cutter or cutting tool.

Never straighten or weld damaged cutting tools.

- Operate the brush cutter with as little noise and contamination as possible. In particular check the correct setting of the carburetor.
- Clean the brush cutter at regular intervals and check that all screws and nuts are well tightened.
- Never service or store the brush cutter in the vicinity of naked flames.
- Always store the brush cutter in locked rooms and with an emptied fuel tank.

Observe the relevant accident prevention instructions issued by the relevant trade associations and by the insurance companies.

Do not perform any modifications on the brush cutter as this will endanger your safety.

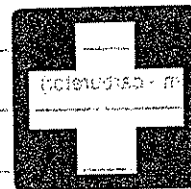


The performance of maintenance or repair work by the user is limited to those activities as described in the instruction manual. All other work is to be done by an Authorized Service Agent. Use only genuine spare parts and accessories released and supplied by ROBIN.

Use of non-approved accessories and tools means increased risk of accidents. ROBIN will not accept any liability for accidents or damage caused by the use of non-approved cutting tools and fixing devices of cutting tools or accessories.

First Aid

In case of accident make sure that a first-aid box is available in the vicinity of the cutting operations. Immediately replace any item taken from the first aid box.



TECHNICAL DATA

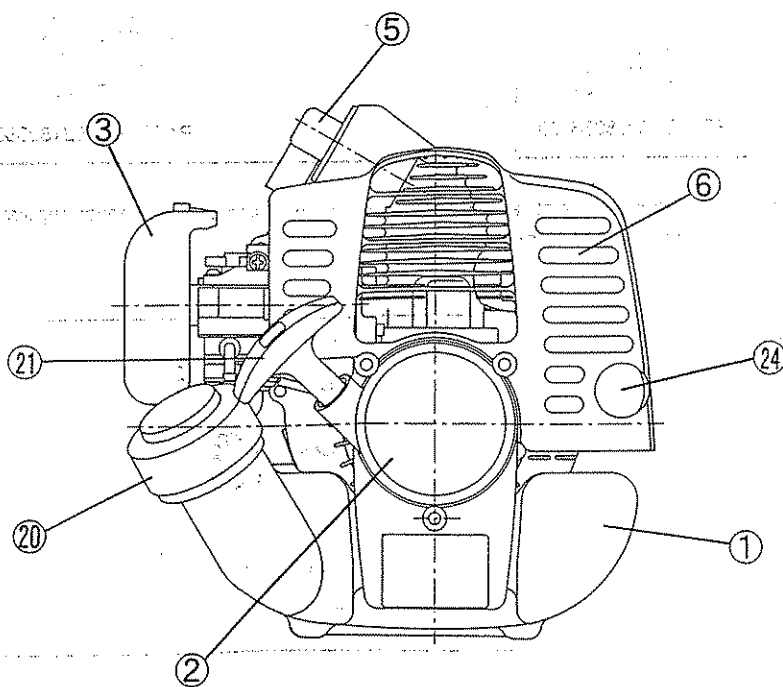
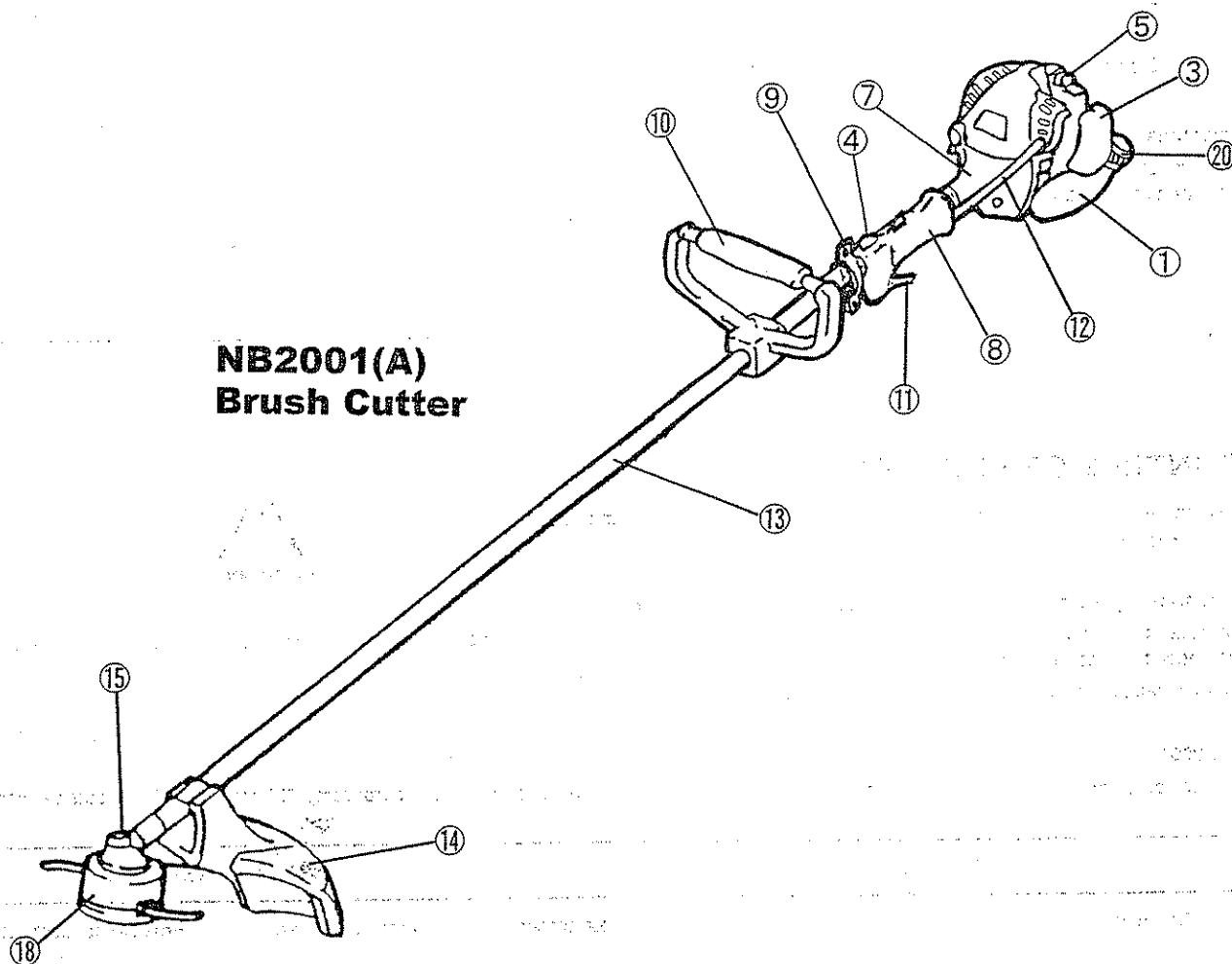
Model		NB2001 A
Dimensions : length x width x height (without cutting blade)	mm	1735 x 235 x 220 (68" x 9.3" x 8.7")
Mass (without plastic guard and cutting blade)	kg	3.7 (8.2 lb)
Volume (fuel tank)	cm ³	0.4
Engine displacement	cm ³	20.0
Maximum engine performance	kw	0.57/7000 1/min
Engine speed at recommended max. spindle speed	1/min	8800
Maximum spindle speed (corresponding)	1/min	6000
Fuel consumption	kg/h	—
Specific fuel consumption	g/kwh	—
Idling speed	1/min	3000
Clutch engagement speed	1/min	4000
Carburetor (Diaphragm - carburetor)	type	WALBRO WYL
Ignition system	type	Solid state ignition
Spark plug	type	NGK BM7A
Electrode gap	mm	0.6 ~ 0.7
Fuel		Mixed gas (gasoline : two stroke oil = 25 : 1)
Gear ratio		14/18

1) The data takes equally into account the idling and recing or wide open throttle speed operating modes.

*** WARNING: MODEL NB2001 must not be used with a saw blade.**

DESIGNATION OF PARTS

NB2001(A) Brush Cutter



GB	DESIGNATION OF PARTS
1	Fuel Tank
2	Rewind Starter
3	Air Cleaner
4	I-O Switch (on/off)
5	Spark Plug
6	Exhaust Muffler
7	Clutch Case
8	Rear Grip
9	Hanger
10	Handle
11	Control Lever
12	Control Cable
13	Shaft
14	Protector
15	Gear Case/Head Case
18	Nylon Cutting Head
20	Fuel Filler Cap
21	Starter Knob
24	Exhaust Pipe

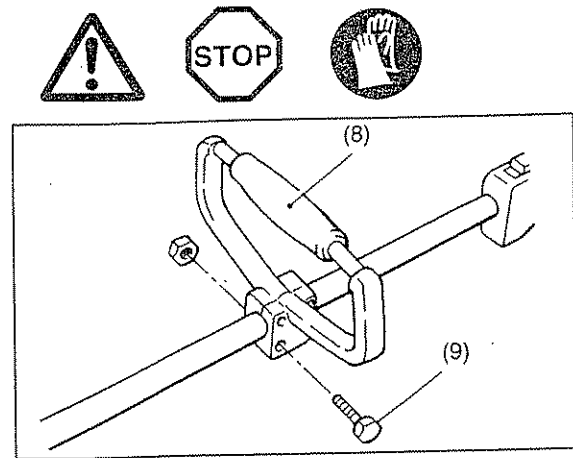
MOUNTING OF HANDLE

CAUTION: Before doing any work on the brush cutter, always switch off the motor and pull the spark plug connector off the spark plug.
Always wear protective gloves!

CAUTION: Start the brush cutter only after having assembled it completely.

For machines with Loop Handle

- After the loop handle (8) is in place, tighten the four bolts (9). Be sure the bolts are tight, but do not over tighten.



MOUNTING OF PROTECTOR

To meet the applicable safety provisions, only the tool/protector combinations as indicated in the table must be used.

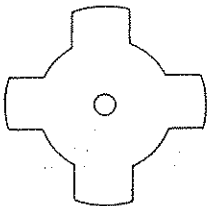
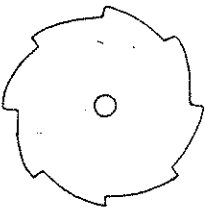
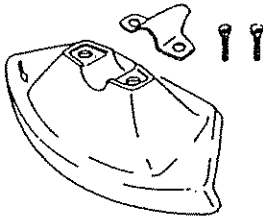


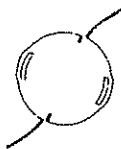
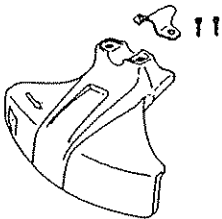
Be sure to use genuine ROBIN cutter blades or nylon cutting head.

- The cutter blade must be well polished, free of cracks or breakage. If the cutter blade hits against a stone during operation, stop the engine and check the blade immediately.
- Polish or replace the cutter blade every three hours of operation.

For NB2001

- The outside diameter of the cutter blade must be 230 mm (9-1/16"). Never use any blades surpassing 230 mm (9-1/16") in outside diameter.

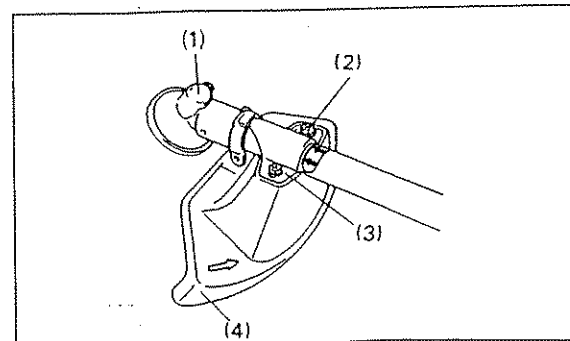
NB2001(A), NB2001(AU)		
Star Blade	Eddy Blade	Protector for metal blades
		
PART NO. 6208501400	PART NO. 6258505200	PART NO. 6258038000

NB2001(A), NB2001(AU)	
Nylon cutting head	Protector for cord cutter
	
	PART NO. 6218008003

CAUTION: The appropriate protector must always be installed, for your own safety and in order to comply with accident-prevention regulations.
Operation of the equipment without the guard being in place is not permitted.

For NB2001

- Install the clamp (3) on the shaft so that the projection of the clamp (3) is inserted into the opening between the gear case (1) and the shaft. Secure the protector (4) with the installation bolts M6 x 30 (2).

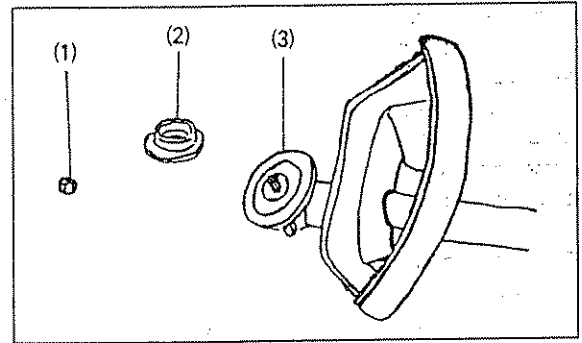


MOUNTING OF CUTTER BLADE OR NYLON CUTTER HEAD

Turn the machine upside down, and you can replace the cutter blade easily.

For NB2001

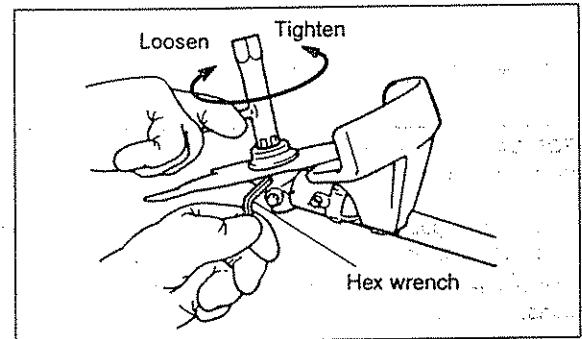
- Insert the hex wrench through the hole in the gear case and rotate the receiver washer (3) until it is locked with the hex wrench.
- Loosen the nut (1) (left-hand thread) with the socket wrench and remove the nut (1), and clamp washer (2).



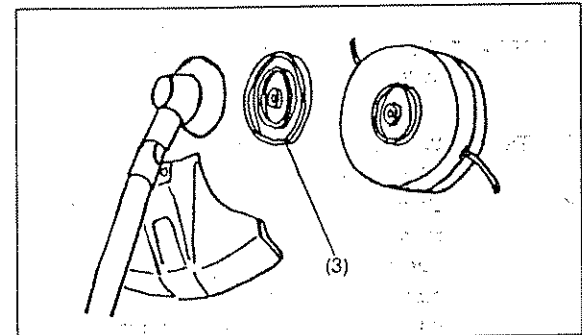
For NB2001 with the hex wrench still in place.

- Mount the cutter blade onto the shaft so that the guide of the receiver washer (3) fits in the arbor hole in the cutter blade. Install the clamp washer (2) and secure the cutter blade with the nut (1).
[Tightening torque: 130 - 230 kg-cm]

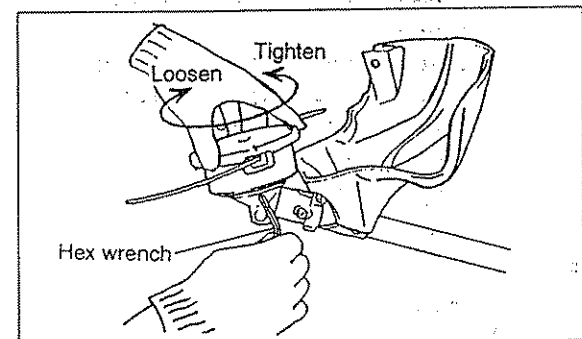
NOTE: Always wear gloves when handling the cutter blade.



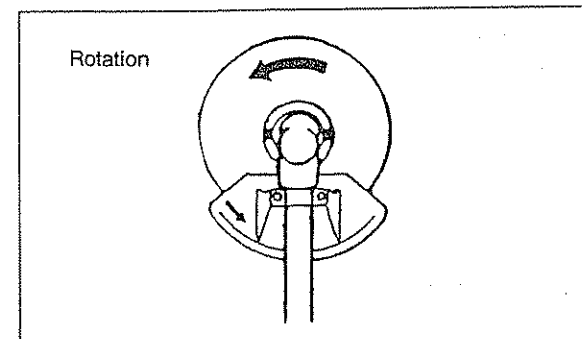
NOTE: The clamp washer (2), and nut (1) are not necessary for mounting the nylon cutting head. The nylon head should go on top of the receiver washer (3).



- Screw the nylon cutting head onto the shaft.



Make sure that the blade is the right way up.





Handling fuel

Utmost care is required when handling fuel. Fuel may contain substances similar to solvents. Refuel either in a well ventilated room or outdoors. Do not inhale fuel vapors, avoid any contact of fuel or oil with your skin. Mineral oil products degrease your skin. If your skin comes in contact with these substances repeatedly and for an extended period of time, it will desiccate. Various skin diseases may result. In addition, allergic reactions are known to occur. Eyes can be irritated by contact with oil. If oil comes into your eyes, immediately wash them with clear water. If your eyes are still irritated, see a doctor immediately!

Fuel and oil mixture

Inspect the fuel tank and fill with clean, fresh fuel of the proper mixture to assume the longer life of the tool.

Use the following mixed gas.

Gasoline: Two-stroke oil = 25:1



Observe the Safety Instructions on page 3!

FOR CALIFORNIA REGULATION:

THIS EQUIPMENT IS CERTIFIED TO OPERATE ON GASOLINE + TWO STROKE OIL

When mixing gasoline with two-stroke engine oil, use only unleaded gasoline which contains no ethanol, or methanol (type of alcohol).

This will help to avoid possible damage to engine fuel lines and other engine parts.

Do not mix gasoline and oil directly in the fuel tank.

IMPORTANT: Failure to follow proper fuel mix instructions may cause damage to the engine.

CAUTION: 1. When preparing fuel mixture, mix only the amount needed for the job you are to do.

Do not use fuel mixture that has been stored longer than two months.

Fuel mixture stored longer than two months will cause hard starting and poor performance.

If fuel mixture has stored longer than this time. It should be removed and filled with a fresh mixture.

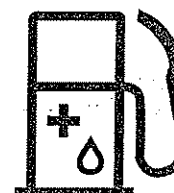
2. Never fill the fuel to the very top.

3. Never add the fuel to the tank in a closed unventilated area.

4. Do not add fuel to this unit close to an open fire or sparks.

5. Be sure to wipe off spilled fuel before attempting to start the engine.

6. Do not attempt to refuel a hot engine.



Refuelling

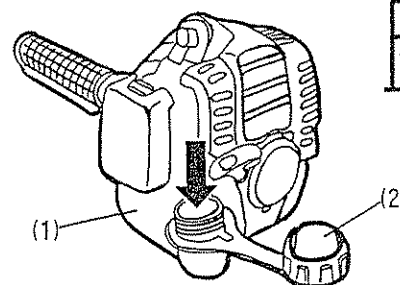
The engine must be switched off!

- Thoroughly clean the area around the fuel filler cap (2), to prevent dirt from getting into the fuel tank (1).
- Unscrew the fuel filler cap (2) and fill the tank with fuel.
- Tightly screw on the fuel filler cap (2).
- Clean screw fuel filler cap (2) and tank after refueling!

Storage of Fuel

Fuel cannot be stored for an unlimited period of time.

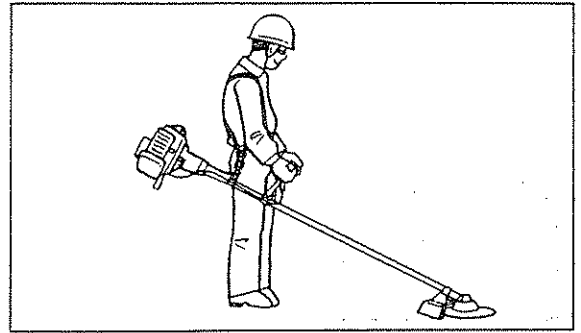
Purchase only the quantity required for a 4 week operating period. Only use approved fuel storage containers.



CORRECT HANDLING OF MACHINE

Attachment of shoulder strap

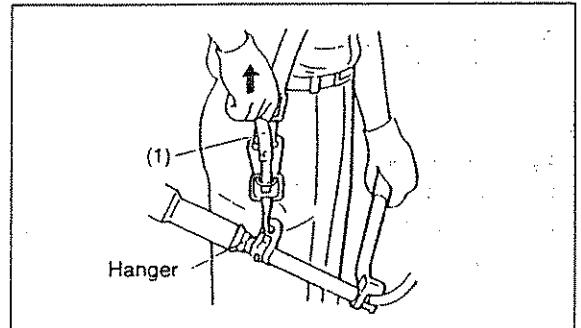
- Adjust the strap length so that the cutter blade will be kept parallel with the ground.



Detachment

- In an emergency, pull the release belt (1) strongly upward, and you can detach the machine from you.
- Be extremely careful to maintain control of the machine at this time. Do not allow the machine to be deflected toward you or anyone in the work vicinity.

WARNING: Failure to maintain complete control of the machine at all could result in serious bodily injury or DEATH.



PUTTING INTO OPERATION

Observe the applicable accident prevention regulations!



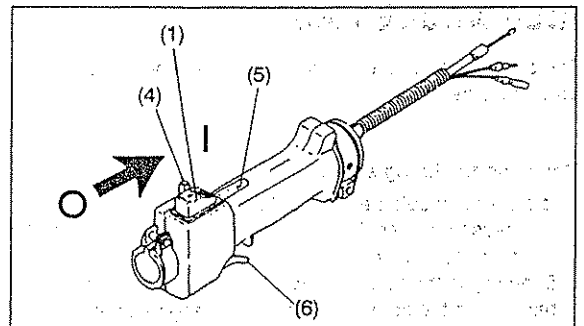
Starting

Move at least 3m away from the place of refuelling. Place the brush cutter on a clean piece of ground taking care that the cutting tool does not come into contact with the ground or any other objects.

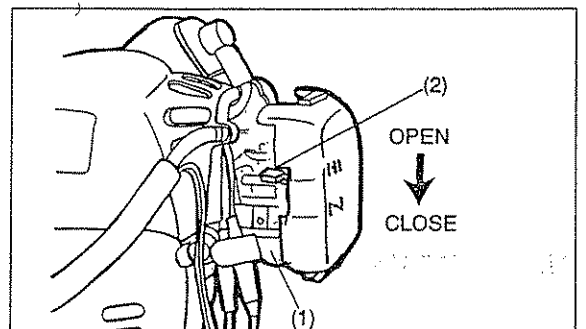
Cold start

For machine with Loop Handle

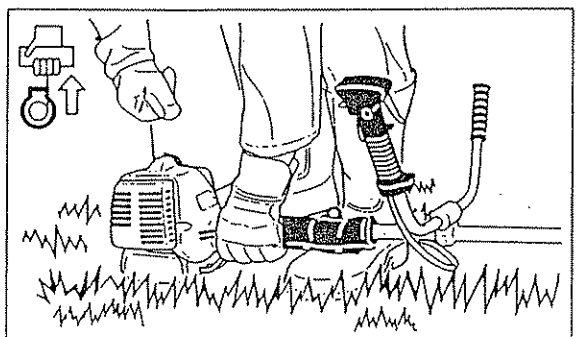
- Push the I-O switch (1) in the direction shown by the arrow.
- Grasp the handle (hand pressure activates the safety lock-off lever (5)).
- Press the throttle lever (6) and hold it down.
- Press the lock button (4) and release the control lever, and then release the lock button (the lock button holds the throttle lever in the start-up position).




- First place the machine on the ground.
- Give a gentle push on the primer pump (1) repeatedly (7-10 times) until fuel comes into the primer pump.
- Move the choke lever (2) to the down position (|—|).



- Firmly hold the clutch case by your left hand, as illustrated.
- Slowly pull the starter grip until resistance is felt and continue with a smart pull.
- Do not pull out the starter rope to its full extent and do not allow the starter handle to be retracted without control, but ensure that it is retracted slowly.
- Repeat the starting operation until initial ignitions are heard.
- Depress the choke lever (|—|) and pull the starter rope again until the engine starts.
- As soon as the engine starts, immediately tap and release the throttle, thus releasing the half-throttle lock so that the engine can run in idle.
- Run the engine for approximately one minute at a moderate speed before working full throttle.




Note: – If the starter handle is pulled repeatedly when the choke lever remains at "  " position, the engine will not start easily due to excessive fuel intake.

- In case of excessive fuel intake, remove the spark plug and pull the starter handle slowly to remove excess fuel. Also, dry the electrode section of the spark plug.

Caution during operation:

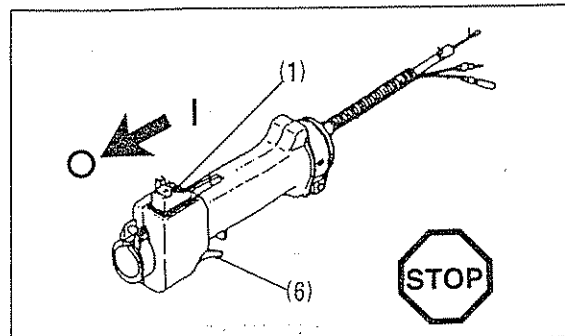
If the throttle lever is opened fully in a no-load operation, the engine rotation is increased to 10,000 rpm or more. Never operate the engine at a higher speed than required and at an approximate speed of 6,000 - 8,000 rpm.

Starting the warm engine

- As described above, except without moving the choke lever (choke lever remains in the down position "  ").
- Give a gentle push on the primer pump (1) repeatedly (7-10 times) until fuel comes into primer pump.

Stopping

- Release the throttle lever (6) fully, and when the engine rpm has lowered, push the I-O switch (1) to "O" position the engine will now stop.
- Be aware that the cutting head may not stop immediately and allow it to slow down fully.

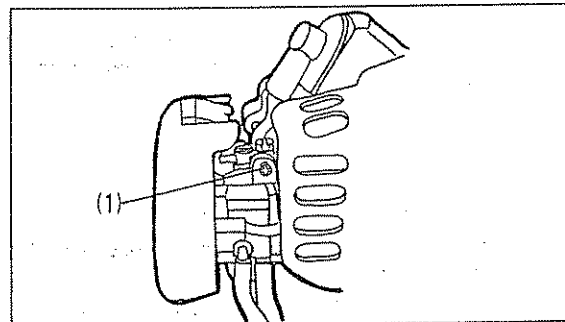


IDLE ADJUSTMENT

The cutter blade or the nylon cutting head should not run when the control lever is fully released. If necessary, adjust the idle rpm using the idle adjusting screw.

Checking the idling speed

- Idle speed should be set to 3,000 rpm.
- If necessary correct it by means of the idle screw (the blade or the nylon cutting head must not turn when the engine is on idle).
- Screwing in the screw (1) will cause an increase in the engine speed, whereas backing off the screw will reduce the engine speed.



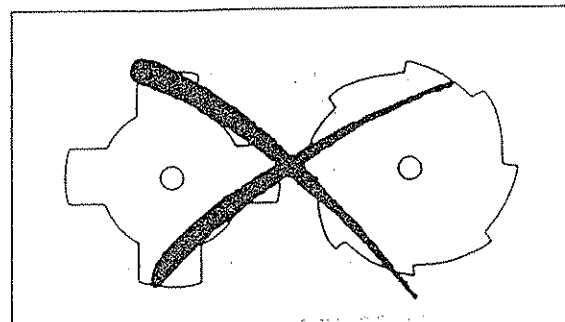
RESHARPENING THE CUTTING TOOL

CAUTION: The cutting tools mentioned below must only be resharpened by an authorized facility. Manual resharpening will result in imbalances of the cutting tool causing vibrations and damage to the equipment.

- cutter blade (star blade (4 teeth), eddy blade (8 teeth))

An expert resharpening and balancing service is provided by Authorized Service Agents.

NOTE: To increase the service life of the cutter blade (star blade, eddy blade) it may be turned over once, until both cutting edges have become blunt.



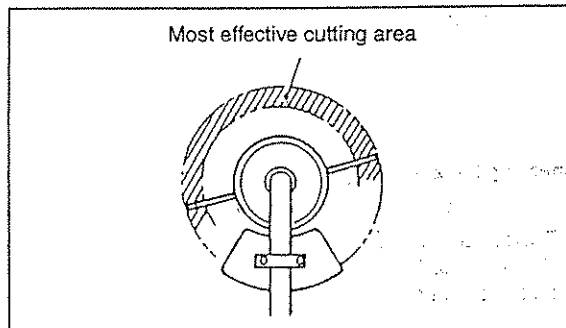
NYLON CUTTING HEAD

The nylon cutting head is a dual string trimmer head capable of bump & feed mechanisms.

The nylon cutting head will automatically feed out the proper length of nylon cord by the changes in centrifugal force caused by increasing or decreasing RPMs. However, to cut soft grass more efficiently, bump the nylon cutting head against the ground to feed out extra cord as indicated under operation section.

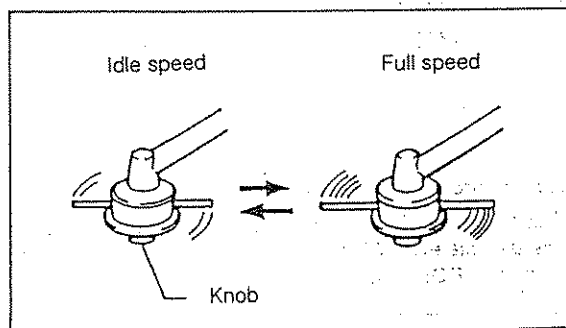
Operation

- Increase the nylon cutting head speed to approx. 6,000 rpm.
Low speed (under 4,800 rpm) is not suitable, the nylon cord will not feed out properly at low speed.
- The most effective cutting area is shown by the shaded area.



If the nylon cord does not feed out proceed as follows:

1. Release the throttle lever to run the engine idle and then squeeze the throttle lever fully. Repeat this procedure until the nylon cord feeds out to the proper length.
2. If the nylon cord is too short to feed out automatically with the above procedure, bump the knob of the nylon cutting head against the ground to feed out the nylon cord.
3. If the nylon cord does not feed out with procedure 2, rewind/replace the nylon cord by following the procedures described under "Replacing the nylon cord".



SERVICING INSTRUCTIONS



CAUTION: Before doing any work on the brush cutter, always switch off the motor and pull the plug cap off the spark plug (see "checking the spark plug").
Always wear protective gloves!

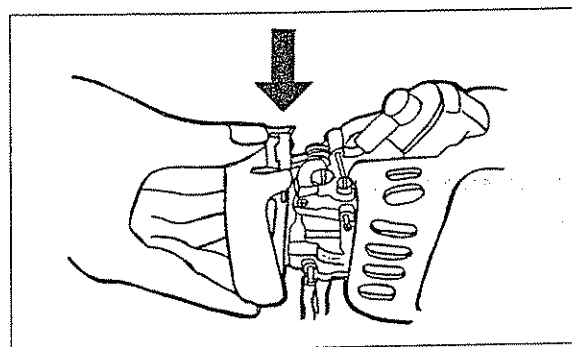
To ensure a long service life and to avoid any damage to the equipment, the following servicing operations should be performed at regular intervals.

Daily checkup and maintenance

- Before operation, check the machine for loose screws or missing parts. Pay particular attention to the tightness of the cutter blade or nylon cutting head.
- Before operation, always check for clogging of the cooling air passage and the cylinder fins. Clean them if necessary.
- Perform the following work daily after use:
 - Clean the brush cutter externally and inspect for damage.
 - Clean the air filter. When working under extremely dusty conditions, clean the filter the several times a day.
 - Check the blade or the nylon cutting head for damage and make sure it is firmly mounted.
 - Check that there is sufficient difference between idling and engagement speed to ensure that the cutting tool is at a standstill while the engine is idling (if necessary reduce idling speed).
If under idling conditions the tool should still continue to run, consult your nearest Authorized Service Agent.
- Check the functioning of the I-O switch, the lock-off lever, the control lever, and the lock button.

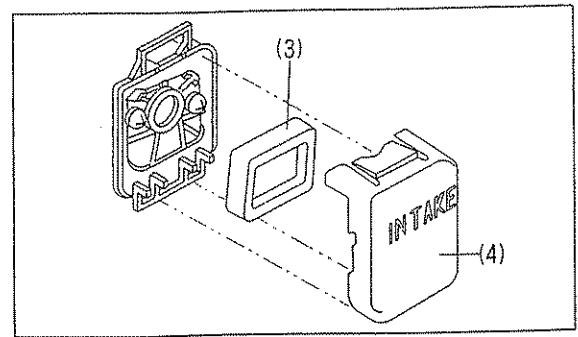
Cleaning of air cleaner

- Remove the air cleaner cover.



- Take out the sponge element (3), wash it in lukewarm water and dry it completely.
- After cleaning, put back the air cleaner cover (4).

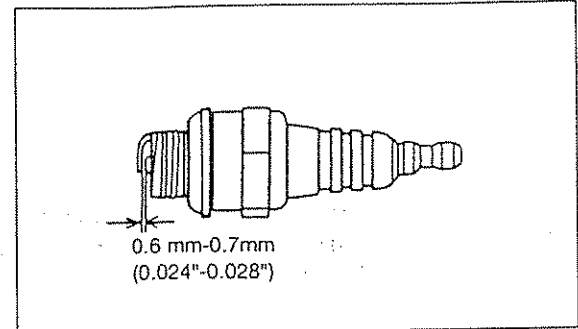
NOTE: If there is excessive dust or dirt adhering to the air cleaner, clean it every day. A clogged air cleaner may make it difficult or impossible to start the engine or increase the engine rotational speed.



Checking the spark plug

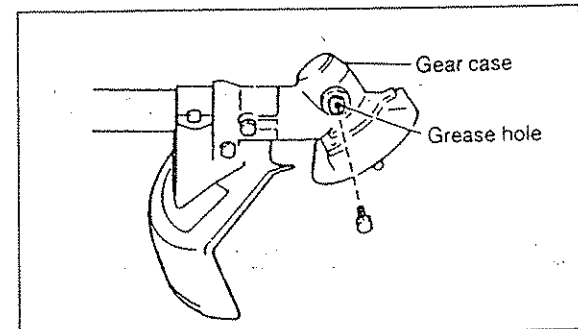
- Only use the supplied universal wrench to remove or to install the spark plug.
- The gap between the two electrodes of the spark plug should be 0.6 - 0.7 mm (0.024" - 0.028"). If the gap is too wide or too narrow, adjust it. If the spark plug is clogged with carbon or fouled, clean it thoroughly or replace it.

CAUTION: Never touch the spark plug connector while the engine is running (danger of high voltage electric shock).



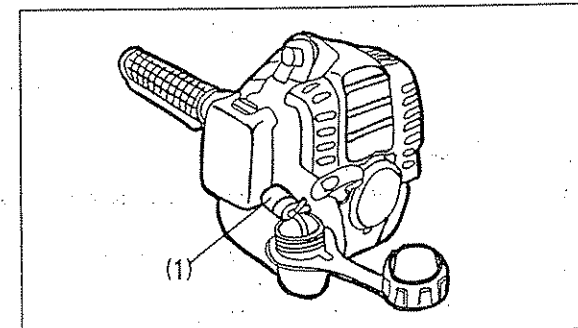
Supply of grease to gear case

- Supply grease (Shell Alvania 3 or equivalent) to the gear case through the grease hole every 30 hours. (Genuine ROBIN grease may be purchased from your ROBIN dealer.)



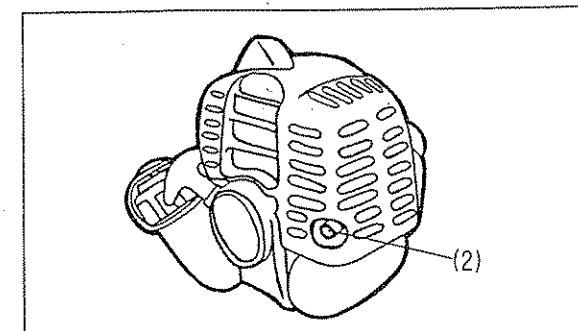
Suction head in the fuel tank

- The felt filler (1) of the suction head is used to filter the fuel required by the carburetor.
- A periodical visual inspection of the felt filter is to be conducted. For that purpose open the tank cap, use a wire hook and pull out the suction head through the tank opening. Filters found to have hardened, been polluted or clogged up are to be replaced.
- Insufficient fuel supply can result in the admissible maximum speed being exceeded. It is therefore important to replace the felt filter at least quarterly to ensure satisfactory fuel supply to the carburetor.



Cleaning of muffler exhaust port

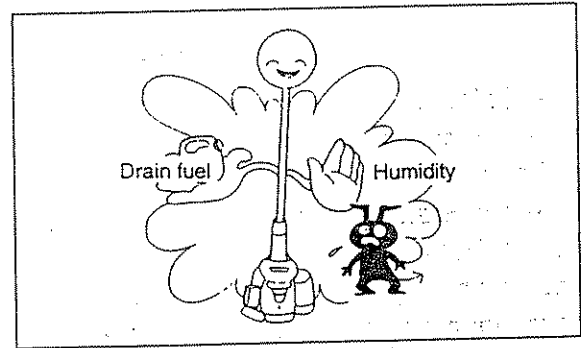
- Check of muffler exhaust port (2) regularly.
- If it is clogged by carbon deposits, carefully scratch the deposits out with a suitable tool.



Any maintenance or adjustment work that is not included and described in this manual is only to be performed by Authorized Service Agents.

STORAGE

- When the machine is in storage for a long time, drain fuel from the fuel tank and carburetor, as follows: Drain all fuel from the fuel tank. Dispose of properly and in accordance with all local laws.
- Remove the spark plug and a few drops of oil into the spark plug hole. Then, pull the starter gently, so that oil covers the engine inside and tighten the spark plug.
- Clear dirt or dust from the cutter blade and outside of engine, wipe them with a oil-immersed cloth and keep the machine in a place as dry as possible.



Maintenance schedule

General	Engine assembly, screws and nuts	Visual inspection for damage and tightness Check for general condition and security
After each refuelling	Control lever I-O-switch	Functional check Functional check
Daily	Air filter Cooling air duct Cutting tool Idling speed	To be cleaned To be Cleaned Check for damage and sharpness Inspection (cutting tool must not move)
Weekly	Spark plug Muffler	Inspection, replace if necessary Check and if necessary clean the opening
Quarterly	Suction head Fuel tank	To be replaced To be cleaned
Shutting down procedure	Fuel tank Carburetor	Empty fuel tank Operate until engine runs out of fuel

Fault location

Fault	System	Observation	Cause
Engine not starting or with difficulty	Ignition system	Ignition spark O.K.	Fault in fuel supply or compression system, mechanical defect
		No ignition spark	STOP-switch operated, wiring fault or short circuit, spark plug or connector defective, ignition module faulty
	Fuel supply	Fuel tank filled	Incorrect choke position, carburetor defective, fuel supply line bent or blocked, fuel dirty.
	Compression	No compression when pulled over	Cylinder bottom gasket defective, crankshaft seals damaged, cylinder or piston rings defective or improper sealing of spark plug
Warm start problems	Mechanical fault	Starter not engaging	Broken starter spring, broken parts inside of the engine
Engine starts but dies		Tank filled ignition spark existing	Carburetor contaminated, have it cleaned
	Fuel supply	Tank filled	Incorrect idling adjustment, carburetor contaminated
Insufficient performance			Fuel tank vent defective, fuel supply line interrupted, cable or STOP-switch faulty
	Several systems may simultaneously be affected	Engine idling poor	Air filter contaminated, carburetor contaminated, muffler clogged, exhaust duct in the cylinder clogged

California Emission Control Warranty Statement

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and FUJI ROBIN INDUSTRIES LTD. Are pleased to explain the emission control system warranty on your 1995 and later lawn and garden equipment engine. In California, new utility and lawn and garden equipment engines must be designed, built and equipped to meet the State's stringent anti-smog standards.

FUJI ROBIN INDUSTRIES LTD. Must warrant the emission control system on your lawn and garden equipment engine for the periods of time described below, provided there has been no abuse, neglect or improper maintenance of your lawn and garden equipment engine.

Your emission control system includes parts such as the carburetor and the ignition system. Also included may be hoses, connectors and other emission-related assemblies.

Where a warrantable condition exists, FUJI ROBIN INDUSTRIES LTD. Will repair your lawn and garden equipment engine at no cost to you including diagnoses, parts and labor.

MANUFACTURE'S WARRANTY COVERAGE:

The 1995 and later Utility and lawn and garden equipment engines are warranted for two (2) years.

If any emission-related part on your engine is defective, the part will be repaired or replaced by FUJI ROBIN INDUSTRIES LTD.

OWNER'S WARRANTY RESPONSIBILITIES:

—As the lawn and garden equipment engine owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual.

FUJI ROBIN INDUSTRIES LTD. Recommends that you retain all receipts covering maintenance on your lawn and garden equipment engine, but FUJI ROBIN INDUSTRIES LTD. cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

—As the lawn and garden equipment engine owner, you should be aware, however, that FUJI ROBIN INDUSTRIES LTD. may deny you warranty coverage if your lawn and garden equipment engine a part has failed due to abuse, neglect, improper maintenance or unproved modifications.

—You are responsible for presenting your lawn and garden equipment engine to a dealer, distributor or warranty station authorized by Carswell Import & Marketing Associates, Inc. (Winston-Salem, North Carolina 27115) which is the importer of the lawn and garden equipment into the U.S. manufactured by FUJI ROBIN INDUSTRIES LTD. as soon as a problem exists.

The warranty repairs should be completed in a reasonable amount of time, no to exceed 30 days.

If you have any questions regarding your warranty rights and responsibilities, you should contact Carswell Import & Marketing Associate, Inc.

Technical Service Manager at (910) 767-7700.

LIMITED WARRANTY
on Emission Control Systems
- California Only -

FUJI ROBIN INDUSTRIES LTD. (Shizuoka, JAPAN) warrant to the owner of the 1995 and later lawn and garden equipment engine that the engine:

- (1) has been designed, built and equipped so as to conform at the time of manufacture with the applicable regulations of the California Air Resources Board, and
- (2) is free from defects in materials and workmanship which cause it to fail to conform with those regulations as may be applicable in the terms and conditions stated below;

A. WARRANTY COMMENCEMENT DATE

The warranty period begins on the date the lawn and garden equipment engine is delivered to a first retail purchaser.

B. LENGTH OF COVERAGE

FUJI ROBIN INDUSTRIES LTD. warrants to a first retail purchaser and each subsequent purchaser that the engine is free from defects in materials and workmanship which cause the failure of a warranted emission-related part for a period of two (2) years.

C. WHAT IS COVERED:

1. REPAIR OR REPLACEMENT PARTS

Repairs and replacement of any warranted part will be performed at no charge to you by an authorized dealer, distributor or a warranty station.

You may contact Technical Service Manager at (910) 767-7700 of Carswell Import & Marketing Associates, Inc. (Winston-Salem, North Carolina) which is the importer of the lawn and garden equipment into the U.S. manufactured by FUJI ROBIN INDUSTRIES LTD. To get the nearest appropriate location where your warranty repairs are performed.

2. WARRANTY PERIOD

This warranty continues for a period of two (2) years and shall apply only to the repair/replacement or adjustment of component parts listed at the conclusion of this warranty statement.

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 for the warranty period.

Any warranted part which is scheduled for replacement as required maintenance shall be warranted for the period of time up to the first scheduled replacement point for that part.

3. DIAGNOSIS

You shall not be charged for diagnostic labor which leads to the determination that a warranted part is defective, if the diagnostic work is performed at an authorized dealer, distributor or warranty station.

4. CONSEQUENTIAL DAMAGES

If a warranted part failed causing damages to other engine components, consult a warranty station.

D. WHAT IS NOT COVERED

1. This limited warranty does not cover any part which malfunctions, fails or is damaged due to failure to follow the maintenance and operating instructions set forth in the 1995 and later Owner's Manual including:
 - 1) improper or inadequate maintenance of any warranted parts
 - 2) improper installation, adjustment or repair of the engine or of any warranted part unless performed by an authorized dealer
 - 3) repairs performed outside of the authorized warranty service facility
 - 4) failure to follow recommendations on fuel use contained in the 1995 and later Owner's Manual
 - 5) use of parts which are not authorized by FUJI ROBIN INDUSTRIES LTD.
2. Add-on or modified parts
This warranty does not cover any part which malfunctions, fails or is damaged due to alterations by changing, adding to or removing parts from the engine.
3. Expenses incurred by processing warranty claims
Carswell Import & Marketing Associates, Inc., any authorized dealer, distributors and warranty station shall not be liable for any loss of use of the engine, for any alternative usage, for any damage to goods, loss of time or inconvenience.

E. HOW TO FILE A CLAIM

All repairs qualifying under this Limited Warranty must be performed by a dealer who sold you the engine or distributors or warranty stations authorized by Carswell Import & Marketing Associates, Inc.

In the event that any emission-related part is found to be defective during the warranty period, you shall notify Carswell Import & Marketing Associates, Inc. at (910) 767-7700 and then you will be given the appropriate warranty service facilities where the warranty repair is performed.

F. WHERE TO GET WARRANTY SERVICE

It is recommended that warranty service be performed by the authorized dealer who sold you the engine, although warranty service will be performed by any authorized dealers, distributors and warranty stations anywhere in the United States.

When warranty repair is needed, the engine must be brought to an authorized dealer, distributorship or warranty station's place of business during normal business hours.

In all cases, a reasonable time, not to exceed 30 days, must be allowed for the warranty repair to be completed after the engine is received by the authorized dealer, distributor or service station.

G. MAINTENANCE, REPLACEMENT AND REPAIR OF EMISSION-RELATED PARTS

Any warranted engine replacement parts approved by FUJI ROBIN INDUSTRIES LTD. Should be used in the performance of any warranty maintenance or repairs on emission-related parts.

If other than authorized parts are used for maintenance, replacement or repair of components affecting emission control, you should assure yourself that such parts are warranted by their manufacturer to be equivalent to authorized parts in performance and durability.

FUJI ROBIN INDUSTRIES LTD., however, assumes no liability under this warranty with respect to parts other than authorized parts.

The use of non-authorized replacement parts does not invalidate the warranty on other components unless the non-authorized parts cause damage to warranted parts.

H. PARTS COVERED UNDER THE CALIFORNIA EMISSION WARRANTY

- 1) Fuel Metering system
 - (i) Carburetor and internal parts
 - (ii) Air cleaner plate (including choke system)
 - (iii) Air cleaner case
 - (iv) Air cleaner element
 - (v) Fuel Filter
- 2) Ignition System
 - (i) Spark plug
 - (ii) Flywheel magneto
 - (iii) Ignition coil
- 3) Miscellaneous Item Used in Above Systems
 - (i) Fuel hoses and sealing gaskets

I. MAINTENANCE STATEMENTS

It is your responsibility to have all scheduled inspection and maintenance service performed at the times recommended in the 1995 and later Owner's Manual and to retain proof that inspection and maintenance service are performed at the times when recommended.

FUJI ROBIN INDUSTRIES LTD. Will not deny a warranty claim solely because you have no record of maintenance; however, FUJI ROBIN INDUSTRIES LTD. May deny a warranty claim if your failure to perform required maintenance resulted in the failure of warranted part.

The proof which you maintain should be given to each subsequent owner of the engine.

You are responsible for performing the scheduled maintenance described below based on the procedures specified in the 1995 and later Owner's Manual.

The scheduled maintenance below is based on the normal engine operating schedule.

- 1) Check bolts and nuts. Retighten if necessary. ---- Every 8 hours (daily)
- 2) Check clogging of cooling air passage and cylinder fins. Remove and clean if necessary. ---- Every 8 hours (daily)
- 3) Clean air cleaner. ---- Every 8 hours (daily)
- 4) Check spark plug. Clean and adjust if necessary. ---- Every 8 hours (daily)
- 5) Check muffler exhaust port. Clean if necessary. ---- Every 50 hours (monthly)
- 6) Check fuel filter. If clogged, replace with new one. ---- Every 50 hours (monthly)
- 7) Replace fuel lines. ---- Every 200 hours (yearly)
- 8) Overhaul engine. ---- Every 200 hours (yearly)
- 9) Replace packings and gaskets and gaskets with new ones. ---- Every reassembling

FEDERAL EMISSION COMPONENT DEFECT WARRANTY

EMISSION COMPONENT DEFECT WARRANTY COVERAGE - This emission warranty is applicable in all States, except the State of California

FUJI ROBIN INDUSTRIES LTD. and Carswell Import & Marketing Associates, Inc., Winston-Salem, North Carolina, (herein "CARSWELL") warrant to the initial retail purchaser and each subsequent owner, that this utility equipment engine (herein "engine") was designed, built, and equipped to conform at the time of initial sale to all applicable regulations of the U.S. Environmental Protection Agency (EPA), and that the engine is free of defects in materials and workmanship which would cause this engine to fail to conform with EPA regulations during its warranty period.

For the components listed under PARTS COVERED, the dealer or service center authorized by CARSWELL will, at no cost to you, make the necessary diagnosis, repair, or replacement necessary to ensure that the engine complies with applicable U.S. EPA regulations.

EMISSION COMPONENT DEFECT WARRANTY PERIOD

The warranty period for this engine begins on the date of sale to the initial purchaser and continues for a period of 2 years.

PARTS COVERED

Listed below are the parts covered by the Emission Component Defect Warranty. Some of the parts listed below may require scheduled maintenance and are warranted up to the first scheduled replacement point for that part.

- 1) Fuel Metering System
 - (i) Carburetor and internal parts
 - (ii) Fuel filter, if applicable
 - (iii) Throttle stopper, if applicable
 - (iv) Choke System, if applicable
- 2) Air Induction System
 - (i) Air cleaner plate
 - (ii) Air cleaner case
 - (iii) Air cleaner element
- 3) Ignition System
 - (i) Spark plug
 - (ii) Flywheel Magneto
 - (iii) Ignition Coil
- 4) Miscellaneous Items Used in Above Systems
 - (i) Fuel hoses, clamps and sealing gaskets

OBTAINING WARRANTY SERVICE

To obtain warranty service, take your engine to the nearest Authorized CARSWELL distributor or dealer. Bring your sales receipts indicating date of purchase for this engine. The dealer or service center authorized by CARSWELL will perform the necessary repairs or adjustments within a reasonable amount of time and furnish you with a copy of the repair order. All parts and accessories replaced under this warranty become the property of CARSWELL.

WHAT IS NOT COVERED

- * Conditions resulting from tampering, misuse, improper adjustment (unless they were made by the dealer or service center authorized by CARSWELL during a warranty repair), alteration, accident, failure to use the recommended fuel and oil, or not performing required maintenance services.
- * The replacement parts used for required maintenance services.
- * Consequential damages such as loss of time, inconvenience, loss of use of the engine of equipment, etc.
- * Diagnosis and inspection charges that do not result in warranty-eligible service being performed.
- * Any non-authorized replacement part, or malfunction of authorized parts due to use of non-authorized parts.

OWNER'S WARRANTY RESPONSIBILITIES

As the engine owner, you are responsible for the performance of the required maintenance listed in your owner's manual. CARSWELL recommends that you retain all receipts covering maintenance on your engine, but CARSWELL can not deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

As the engine owner, you should however be aware that the CARSWELL may deny your warranty coverage if your engine or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your engine to the nearest dealer or service center authorized by CARSWELL when a problem exists.

If you have any questions regarding your warranty rights and responsibilities, you should contact the CARSWELL Warranty service department at 910-767-7700 (toll free from GA, NC, SC, TN & VA 1-800-929-1948) for the information.

THINGS YOU SHOULD KNOW ABOUT THE EMISSION CONTROLL SYSTEM WARRANTY

MAINTENANCE AND REPAIRS

You are responsible for the proper use and maintenance of the engine. You should keep all receipts and maintenance records covering the performance of regular maintenance in the event questions arise. These receipts and maintenance records should be transferred to each subsequent owner of the engine. CARSWELL reserves the rights to deny warranty coverage if the engine has not been properly maintained. Warranty claims will not be denied, however, solely because of the lack of required maintenance or failure to keep maintenance records.

MAINTENANCE, REPLACEMENT OR REPAIR OF EMISSION CONTROL DEVICES AND SYSTEMS MAY BE PERFORMED BY ANY REPAIR ESTABLISHMENT OR INDIVIDUAL; HOWEVER, WARRANTY REPAIRS MUST BE PERFORMED BY A DEALER OR SERVICE CENTER AUTHORIZED BY CARSWELL. THE USE OF PARTS THAT ARE NOT EQUIVALENT IN PERFORMANCE AND DURABILITY TO AUTHORIZED PARTS MAY IMPAIR THE EFFECTIVENESS OF THE EMISSION CONTROL SYSTEM AND MAY HAVE A BEARING ON THE OUTCOME OF WARRANTY CLAIM.

If other than the parts authorized by CARSWELL are used for maintenance replacements or for the repair of components affecting emission control, you should assure yourself that such parts are warranted by their manufacturer to be equivalent to the parts authorized by CARSWELL in their performance and durability.

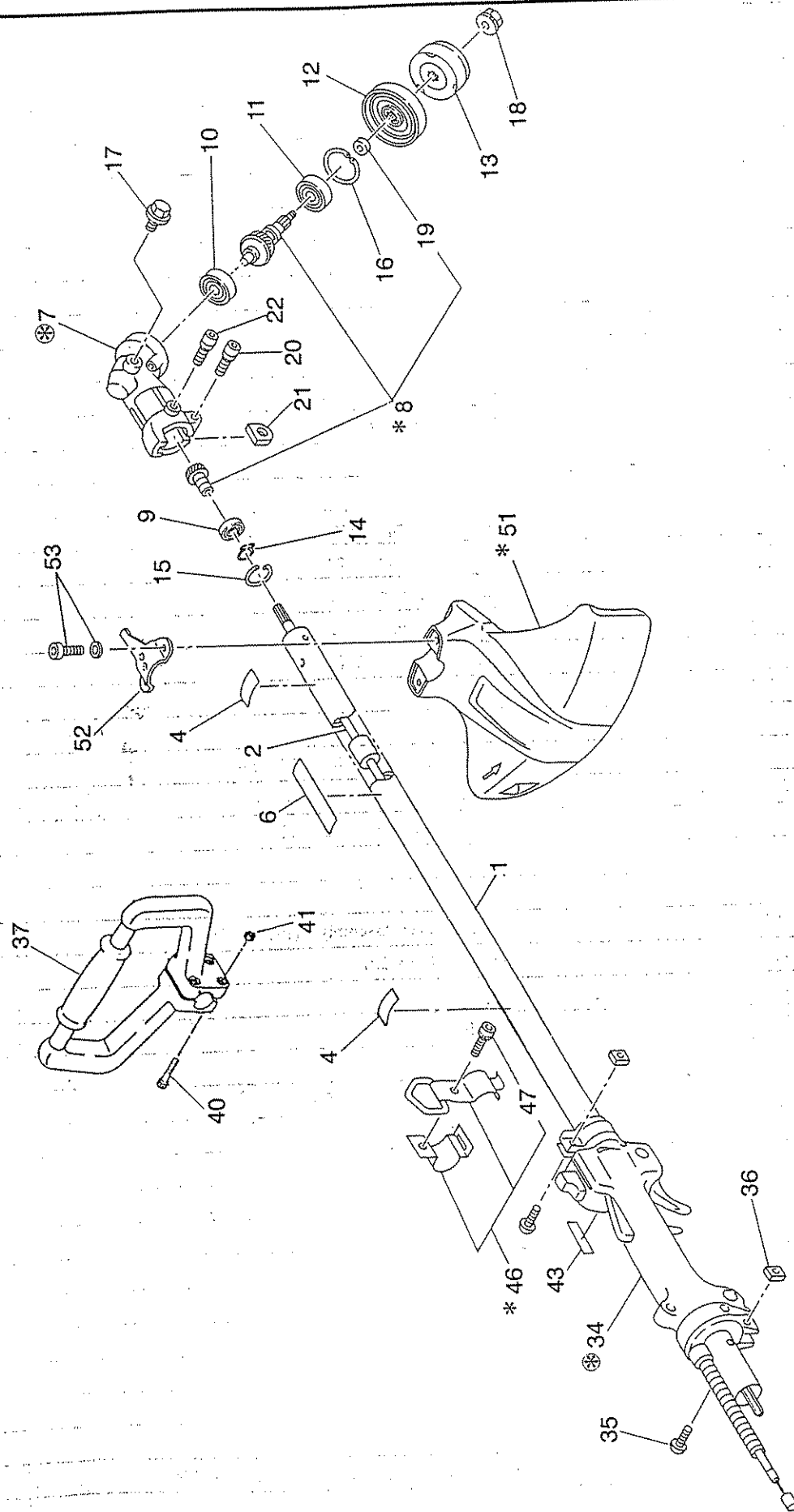
HOW TO MAKE A CLAIM

All repairs qualifying under this limited warranty must be performed by a dealer or service center authorized by CARSWELL. In the event that any emission-related part is found to be defective during the warranty period, you shall notify CARSWELL at 910-767-7700 (toll free from GA, NC, SC, TN & VA 1-800-929-1948) and you will be given the appropriate warranty service facilities where the warranty repair can be performed.

MACHINE BODY

NB2001 (A) PARTS LIST

(U.S. SPEC.)



MACHINE BODY

NB2001 (A) PARTS LIST

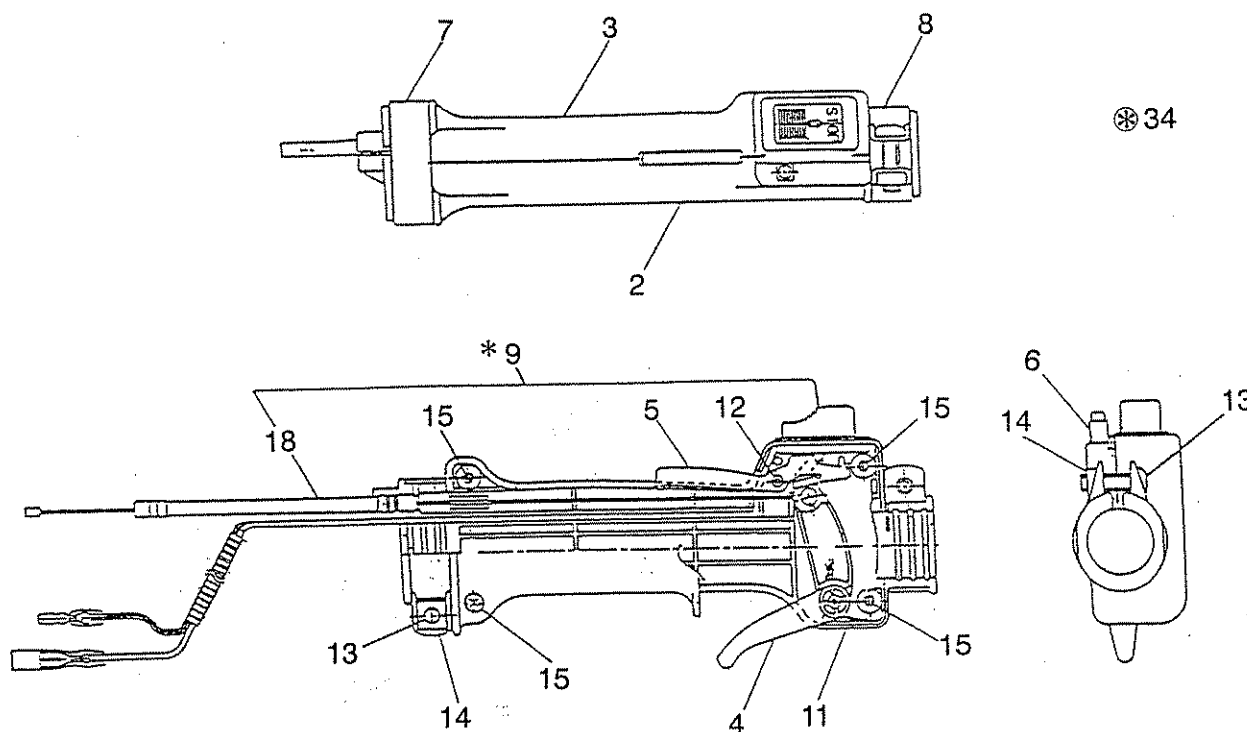
(U.S. SPEC.)

KEY NO.	PART NO.	QUANTITY	DESCRIPTION	OUR PART NO.
1	6191001001	1	Pipe, Shaft Compl	5525
2	6191500400	1	Shaft	5433
4	6259514700-1	2	Label, Caution	5434
6	6199502100	1	Label, Caution	5534
⑦	6193001003	1	Case, Gear Assembly (Incl. 8-21)	5536
* 8	6193003000	1	Shaft, Cutter Set (Incl. 19)	5537
9	6212500300	1	Ball Bearing (#609zz)	6008
10	0600069990	1	Ball Bearing (626zz)	5310
11	0600109930	1	Ball Bearing (#6000DDU)	5538
12	6198500102	1	Washer, Receive	5539
13	6218003000	1	Washer, Clamp Compl.	6112
14	0031508000	1	Snapring, Outer ($\phi 8$)	6130
15	0031424000	1	Snapring, Inner ($\phi 24$)	2318
16	0031426000	1	Snapring, Inner ($\phi 26$)	6129
17	6253011012	1	Bolt, Oil (M6 x 9 W)	5309
18	6258505000	1	Nut	2325
20	0119059890	1	Socket Head Bolt (M5 x 25 Sw)	6268
21	6251501400	1	Gasket	5514
22	0119059900	1	Socket Head Bolt (M5 x 12 SW)	6128
③ 34	6195007000	1	Control Lever Assembly (Incl. 35,36)	5543
35	6415011130	2	Screw (M6 x 20)	6758
36	6415011140	2	Nut (M6)	6759
37	6214500001	1	Handle	6120
40	0119059860	4	Socket Head Bolt (M5 x 33)	6126
41	0022705000	4	Nut (M5)	1703
43	0736259950	1	Label	6050
* 46	6197002001	1	Hanger Assembly (Incl. 47)	5548
47	0119059850	1	Socket Head Bolt (M5 x 14 SW)	6125
* 51	6218008003	1	Protector Assembly. (Incl. 52,53)	8100
52	6418500303	1	Clamp, Protector	6283
53	0011706300	2	Bolt Assembly, Crossrecess (M6 x 30 W SW)	5440

CONTROL LEVER ASS'Y

NB2001 (A) PARTS LIST

(U.S. SPEC.)



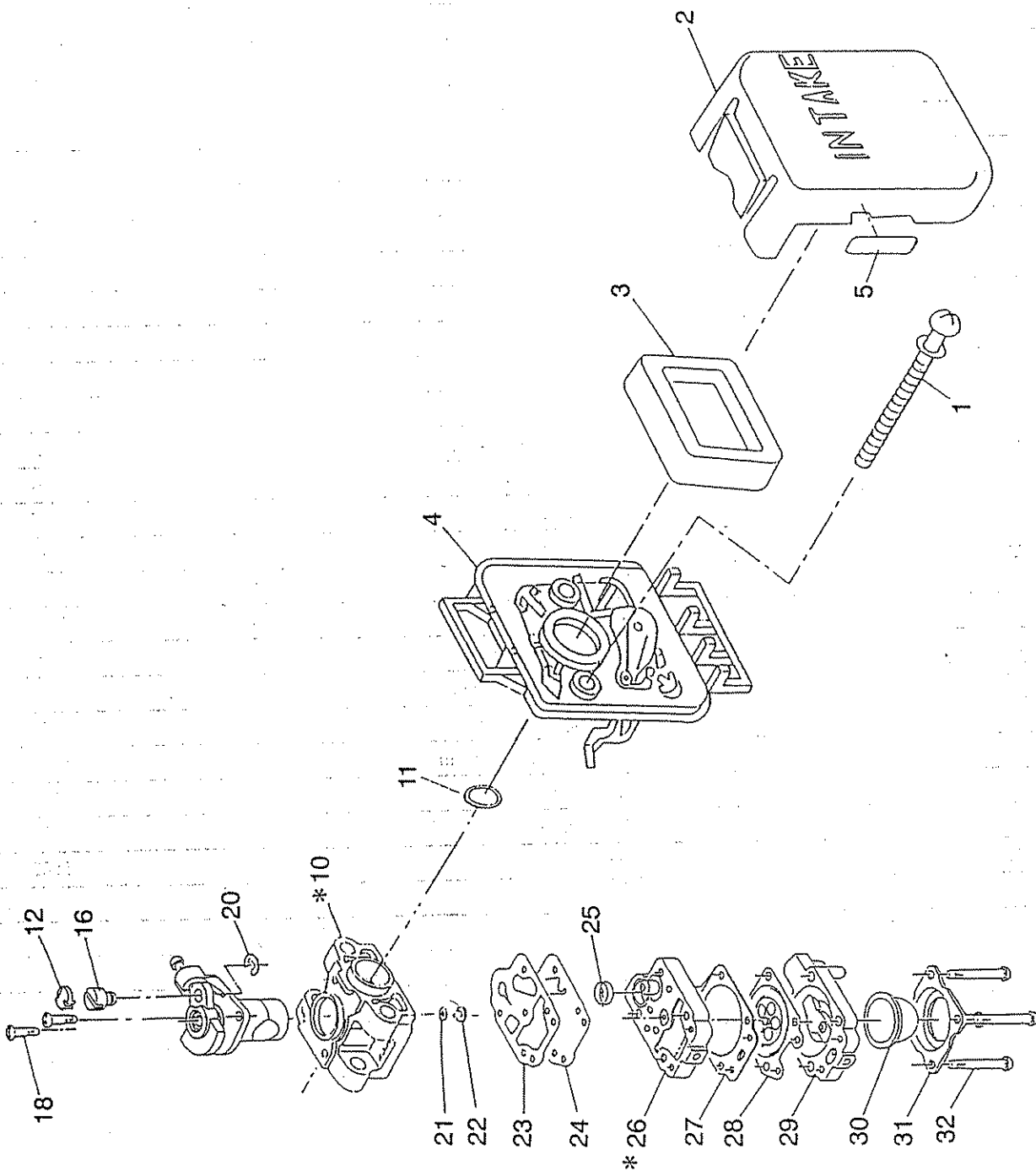
KEY NO.	PART NO.	QUANTITY	DESCRIPTION	OUR PART NO.
⊗34	6195007000	1	Control Lever Assembly (Incl. 2-20)	5543
2	6215016010	1	Case 1	5462
3	6215016020	1	Case 2	5463
4	6255027030	1	Lever	5464
5	6255027040	1	Lever	5465
6	6415011050	1	Stopper	6760
7	6415011060	1	Bracket	6752
8	6255027050	1	Bracket	5466
*9	6195003010	1	Wire Set (Incl. 18,20)	5551
11	6415011110	1	Spring	6756
12	6415011120	1	Spring	6757
13	6415011130	2	Screw	6758
14	6415011140	2	Nut	6759
15	6415011210	4	Tapping Screw	6762
18	6195003020	1	Wire Compl.	5515

ENGINE BODY

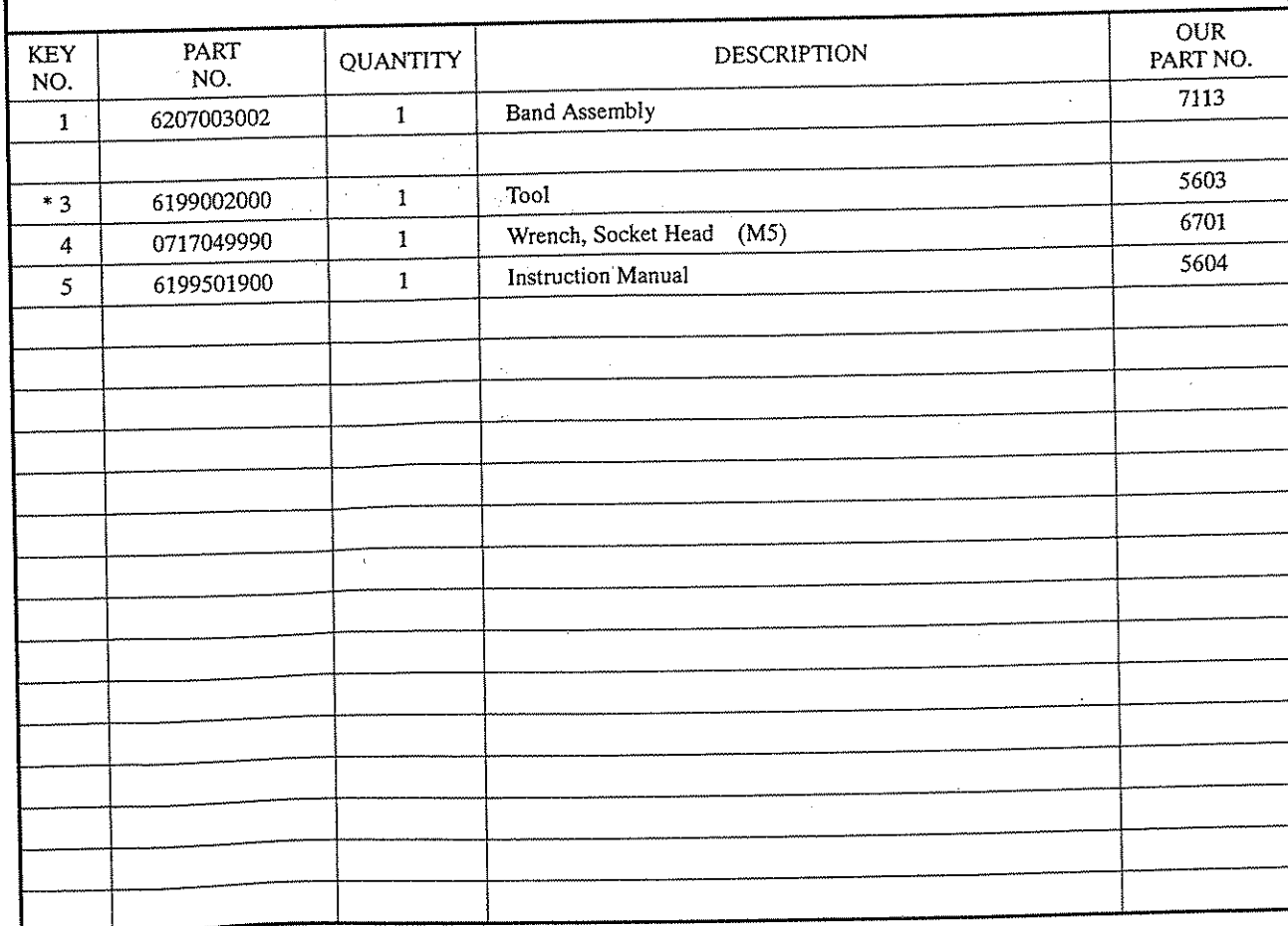
NB2001 (A) PARTS LIST

(U.S. SPEC.)

[illegible]



(U.S. SPEC.)



(U.S. SPEC.)

[illegible]

LIMITED TWO YEAR WARRANTY

Carswell Import & Marketing Associates, Inc. (hereafter CIMA), sales agent for FujiRobin Industries, Ltd. warrants each new Robin brush cutter for twenty-four (24) months according to the following terms.

This warranty extends to the original retail purchaser only and commences on the date of original retail purchase.

Any part of Robin brush cutter supplied by CIMA and found in the reasonable judgment of an Authorized Robin Service Center to be defective in material or workmanship will be repaired by an Authorized Robin Service Dealer without charge for parts and labor.

The Robin brush cutter including any defective part must be returned to an Authorized Robin Service Dealer within the warranty period. The expense of delivering the Robin brush cutter to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid for by the owner.

CIMA's responsibility in respect to claims is limited to making the required repairs or replacements and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any Robin brush cutter. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work should be performed by an Authorized Robin Service Dealer.

This warranty is limited to ninety (90) days from the date of original retail purchase for any Robin brush cutter that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any Robin brush cutter that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Robin Operator's Manual. The warranty does not apply to any damage to the Robin brush cutter that is the result of improper maintenance or to any Robin brush cutter or parts that have not been assembled or installed as specified in the Robin Operator's Manual. The warranty does not cover any Robin brush cutter that has been altered or modified so as to adversely affect the product's operation, performance or durability or that has been altered or modified so as to change its intended use. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which are either incompatible with the Robin brush cutter or adversely affect its operation, performance or durability.

Robin reserves the right to change or improve the design of any Robin brush cutter without assuming any obligation to modify any brush cutter previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE TWENTY-FOUR (24) MONTHS WARRANTY PERIOD OR NINETY (90) DAYS FOR BRUSH CUTTERS USED FOR ANY INCOME-PRODUCING PURPOSE. ACCORDINGLY, ANY SUCH IMPLIED WARRANTIES INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OTHERWISE, ARE DISCLAIMED IN THEIR ENTIRETY AFTER THE EXPIRATION OF THE APPROPRIATE TWENTY-FOUR (24) MONTHS OR NINETY (90) DAYS WARRANTY PERIOD.

CIMA'S OBLIGATION UNDER THIS WARRANTY, IS STRICTLY AND EXCLUSIVELY LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS, AND CIMA DOES NOT ASSUME OR AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

CIMA ASSUMES NO RESPONSIBILITY FOR INCIDENTAL, CONSEQUENTIAL OR OTHER DAMAGES INCLUDING, BUT NOT LIMITED TO, EXPENSE FOR GASOLINE, EXPENSE OF RETURNING THE ROBIN BRUSH CUTTER TO AUTHORIZED SERVICE DEALER AND EXPENSE OF DELIVERING IT BACK TO THE OWNER, MECHANIC'S TRAVEL TIME, TELEPHONE OR TELEGRAM CHARGES, RENTAL OF A LIKE PRODUCT DURING THE TIME WARRANTY SERVICE IS BEING PERFORMED, TRAVEL, LOSS OR DAMAGE TO PERSONAL PROPERTY, LOSS OF REVENUE, LOSS OF THE BRUSH CUTTER, LOSS OF TIME, OR INCONVENIENCE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION 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.

This warranty applies to Robin brush cutter sold by CIMA in the United States. To validate this warranty original purchaser must complete the attached Warranty Registration Form and return it within ten (10) days of purchase.

CARSWELL IMPORT
AND MARKETING ASSOCIATES, INC.
WINSTON-SALEM, NORTH CAROLINA 27115

FujiRobin Industries, Ltd.
Shibuya-ku, Tokyo, Japan

WARRANTY SERVICE

Warranty service can be performed by an Authorized Robin Service Dealer regardless of whether the consumer purchased the Robin product originally from that dealer. However, we recommend you first contact the original dealer who sold you the product. Remember, it is your responsibility to deliver your Robin product along with proof of purchase to the dealer within the warranty period, and all work must be performed by an Authorized Robin Service Dealer.

Example of Parts and Service not covered by Warranty

Normal service requirements occurring during the warranty period such as carburetor or ignition adjustment.

Normal service over and above repair or replacement of defective parts.

Repair or maintenance service due to normal wear, improper maintenance, misuse, neglect, negligence, accident, also alternations or modifications which adversely affect product's performance, durability, or change their intended use.

Repairs or maintenance made necessary due to use of parts or accessories which are not compatible with Robin products or adversely affect its operation, performance, or durability.

Products not operated or maintained in accordance with the Instruction Manual.

Normal cleaning, lubrication, adjustments, or replacement of such items as spark plugs, filters, ignition points, etc.

Expense of delivering the product to an Authorized Service Dealer or of returning such products, or mechanics travel time, or cost of any rental of a like product during the period warranty service is being performed.

Warranty applies only to original retail purchaser.

Owner's Obligation and Responsibility —

It is the responsibility of the owner to provide for normal maintenance service and replacement of service items and to maintain all components in proper adjustment. These are not considered defects in material or workmanship. Individual operation and application determine the need for normal maintenance service.

Robin Warranty Registration

Owner's Name _____

Address _____

City State Zip

Dealer's Name _____

Address _____

City State Zip

Date of Purchase _____

Model No. _____ Serial No. _____

This Registration Form must be completed and returned within ten (10) days of purchase.

(Detach and Mail)

MEMO

A large rectangular area with rounded corners, containing numerous horizontal dotted lines for writing. The lines are evenly spaced and extend across the width of the page, providing a template for a memo or journal entry.

