

# **Robin** Pole Hedge Trimmer

## **BP2501H**

### **INSTRUCTION MANUAL**

**Important:**

Read this instruction manual carefully before putting the Pole Hedge Trimmer into operation and strictly observe the safety regulations!  
Preserve instruction manual carefully!



**FUJIROBIN INDUSTRIES LTD.**

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Thank you very much for choosing the ROBIN Pole Hedge Trimmer. We are pleased to offer you a product that is the result of an extensive development program and many years of knowledge and experience. To safely obtain the best possible results from your ROBIN Pole Hedge Trimmer, please read this manual thoroughly before using the machine, and follow all instructions given herein to assure proper operation of the ROBIN Pole Hedge Trimmer.



## Table of Contents

	Page
Symbols	2
Safety instructions	3-6
Technical data	7
Designation of Parts	8
Connecting the trimmer unit to the pole	9
Attaching the handle	9
Using the shoulder strap	9
Fuel/refueling	10
Precautions before starting the engine	11
Starting the engine	11
Stopping the engine	12
Checking and adjusting the idling speed	12
Operating the Pole Hedge Trimmer	13-14
Maintenance	14-16
Storage	17
Maintenance schedule	17
Troubleshooting	17

## SYMBOLS

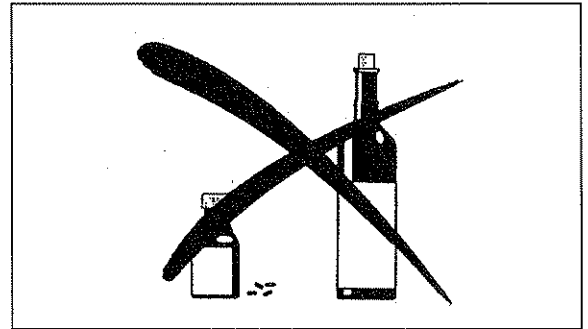
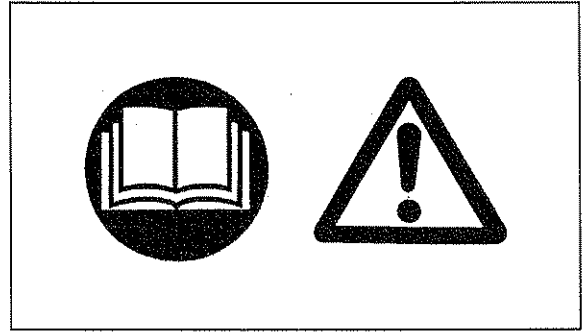
Please note the following symbols when reading this instruction manual

	WARNING/DANGER		Beware of pinching
	Before usage, carefully read and fully understand the instructions in this manual		Beware of electrical lines, risk of electrical shock
	PROHIBITION		Gasoline/oil mixture
	No smoking		Engine manual-start
	No naked flame		Emergency stop
	Wear protective shoes		First aid
	Wear protective gloves		Recyclable
	Keep working area clear of persons and pets		ON/START
			OFF/STOP
	Wear a protective helmet and eye and ear protection		CE-mark

# SAFETY INSTRUCTIONS

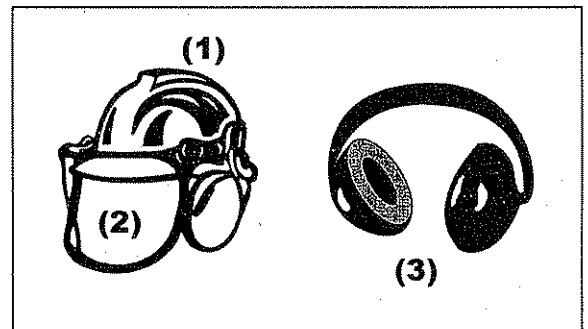
## General Instructions

- Before usage, carefully read this manual and thoroughly familiarize yourself with how to correctly handle the pole hedge trimmer. **THIS EQUIPMENT CAN CAUSE SERIOUS INJURY IF USED IMPROPERLY!**
- Always provide detailed instructions on how to correctly use the pole hedge trimmer when lending the equipment to another person. Make sure that the instruction manual is handed over together with the pole hedge trimmer.
- First-time users should ask their dealer for basic instructions on the correct handling of the pole hedge trimmer.
- Store this manual in a location where it is easily accessible for quick reference.
- Do not allow persons under the age of 18 to operate the pole hedge trimmer. Individuals over 16 years old, however, may use the pole hedge trimmer for training purposes if under the constant supervision of an adult familiar with the operation of the pole hedge trimmer.
- Always use the pole hedge trimmer with the utmost care and attention.
- Serious injury may result if the pole hedge trimmer is used in the following circumstances. Do not use the pole hedge trimmer:
  - When feeling tired or ill.
  - After consumption of alcohol and/or medication.
  - At night or in poor lighting conditions.
  - During pregnancy.



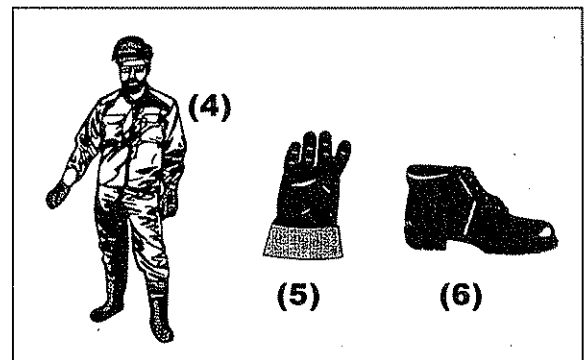
## Intended use

- This pole hedge trimmer has been designed for the sole purpose of trimming hedges and bushes with a maximum branch diameter of 6 mm. Do not use the trimmer for any other purposes.



## Personal protective equipment

- Clothes worn should be functional and tight-fitting without restricting movement. Do not wear clothing or jewelry that could get entangled in underbrush or in the machine.
- For adequate protection against injuries to head, eyes, feet, hands, as well as hearing impairment, the following protective equipment and clothing must be used when working with the pole hedge trimmer.
- To prevent injury to the head or the eyes, always wear a protective helmet (1) with goggles or a visor (2).
- To avoid hearing impairment, wear adequate ear defenders (3) at all times.
- Use of a well-fitting work overalls (4) is strongly recommended.
- Always wear rugged, leather working gloves (5) when operating the pole hedgetrimmer.
- When using the pole hedge trimmer, always wear sturdy shoes (6) with a non-slip sole. Special work shoes ensure good footing and protect against injury.



### Starting the Pole Hedge Trimmer

- At all times allow a 15-meter diameter safety zone around the working area. Make sure that all persons (in particular children) and/or animals remain outside this zone. In general, avoid using the hedge trimmer whenever people (in particular children) are nearby.
- Before starting the Pole Hedge Trimmer, always make sure that the machine is in safe operational condition.
- Check the operation of the throttle lever safety mechanism. The lock-off lever should have a smooth and easy action. Make sure that the lock-off lever functions properly. Check that the handles are clean and dry and test the STOP switch to ensure that it is functioning properly.

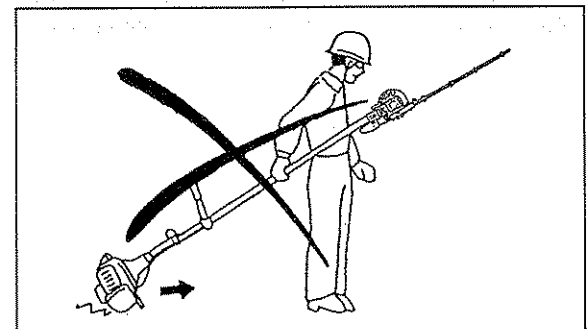
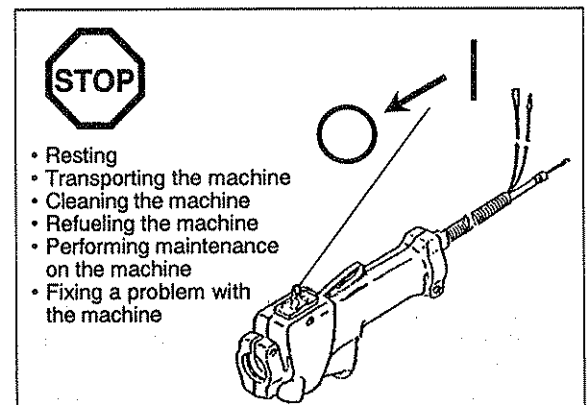
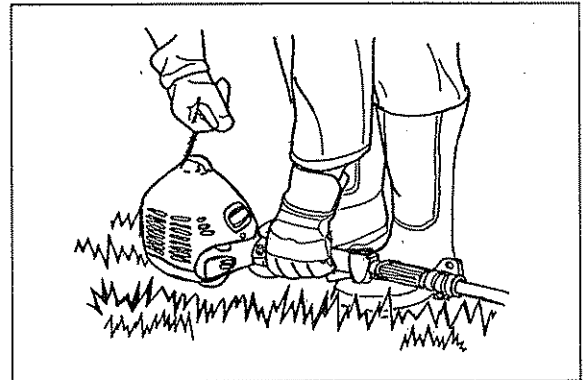
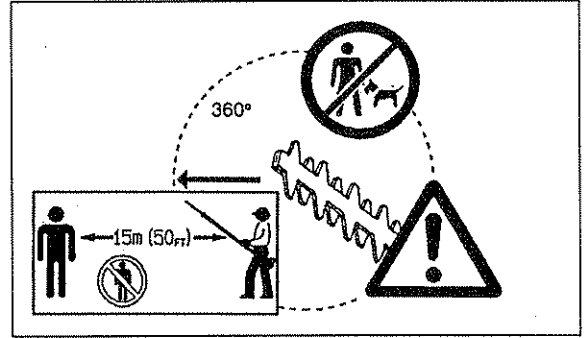
Always start the pole hedge trimmer in accordance with the directions provided in this instruction manual.

### Follow the instructions below to start the pole hedge trimmer

- Start the pole hedge trimmer only after the machine has been completely assembled and all accessory parts have been attached.
- Before starting the engine, make sure that cutter blades are not obstructed by any foreign objects such as stones, branches, etc.
- Stop the engine immediately if engine problems occur.
- When operating the pole hedge trimmer, always maintain a firm grip on both handles. Wrap your fingers tightly around each handle, cradling the handle between thumb and forefinger. To keep the pole hedge trimmer under control at all times, avoid changing your grip during operation. Make sure that the control handles are in good condition and free of moisture, mud, oil or grease.

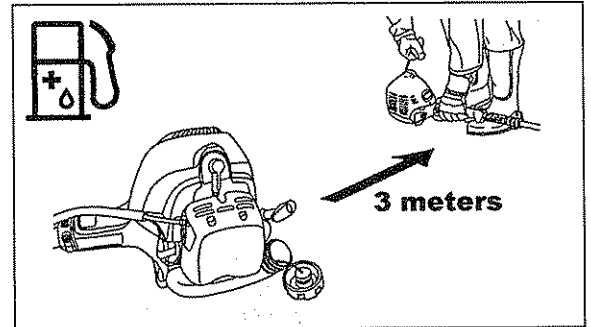
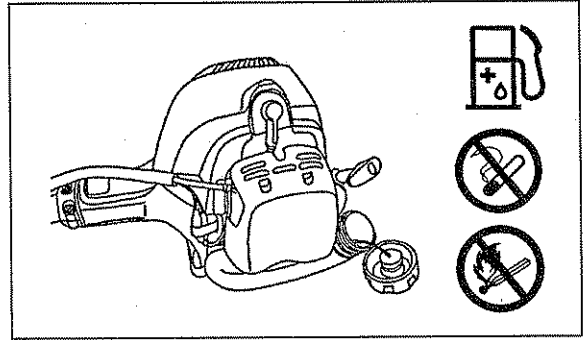
### Always ensure secure and well-balanced footing

- Only use the pole hedge trimmer outdoors.
- Always stop the engine immediately and discontinue operation if engine trouble occurs or if the machine starts making unusual noise.
- Exhaust fumes are poisonous. Never operate the machine in an enclosed room or tunnel without ventilation (risk of suffocation and gas poisoning). Note that carbon monoxide is an odorless gas. Always make sure that areas where the engine is operated are adequately ventilated.
- Stop the engine when resting, or when the pole hedge trimmer is left unattended. Place the machine in a safe location and make sure that no combustible material is nearby.
- Never place a hot hedge trimmer onto dry grass or combustible material.
- To reduce the risk of fire, keep the engine and muffler free of debris, leaves or excessive lubricant.
- Never operate the engine if the muffler is malfunctioning.
- Turn off the engine before transportation.
- Always stop the engine in the following circumstances. When:
  - Resting
  - Transporting the machine
  - Cleaning the machine
  - Refueling the machine
  - Performing maintenance on the machine
  - Fixing a problem with the machine
- When transporting the machine in a vehicle, always securely attach the pole hedge trimmer to avoid leakage of residual fuel.
- Always empty the fuel tank before transporting the pole hedge trimmer in a vehicle.
- When unloading the machine from a vehicle, take extra care not to drop the pole hedge trimmer to the ground, as this may seriously damage the fuel tank.
- Except in an emergency, never drop the pole hedge trimmer as this may seriously damage the machine.
- When transporting the pole hedge trimmer, always lift the machine completely off of the ground. Never drag the engine across the ground as this may damage the fuel tank and possibly cause a fire.
- Always use the cutter cover provided to protect and secure the cutting section of the pole hedge trimmer during transportation and storage.



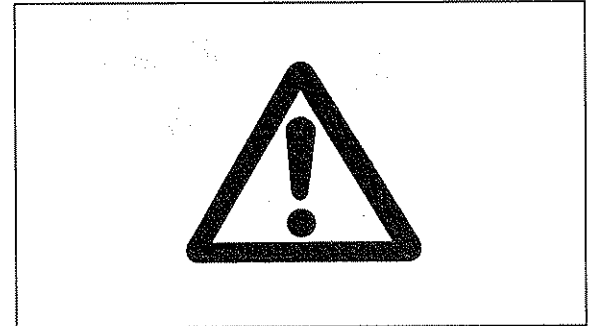
## Refueling

- Before refueling, stop the engine.
- Never refuel near naked flames
- Do not smoke when refueling.
- Always allow sufficient time for the engine to cool down before refueling.
- Take care not to let your skin come into contact with petroleum products. Do not inhale gasoline fumes and always wear protective gloves when refueling. Change and clean protective wear at regular intervals.
- Take extra care to avoid spilling gasoline and oil in order to avoid contamination of the ground (environmental protection). If gasoline or oil has been spilled onto the hedge trimmer, immediately wipe the surface of the hedge trimmer with a rag. To avoid spontaneous combustion, allow wet rags to dry sufficiently before discarding them into an appropriate, covered container.
- Make sure that no fuel comes in contact with your clothing. Change fuel-contaminated clothing immediately (fire hazard).
- Close the fuel tank and tighten the fuel tank cap securely. To restart the engine, transfer the pole hedge trimmer to a location at least 3 meters away from the place of refueling.
- Check the fuel tank cap at regular intervals to make sure that the cap is securely fastened.
- Never refuel the machine in an enclosed room. Fuel vapors accumulate at ground level (risk of explosion).
- Store fuel in appropriate containers only, and make sure that stored fuel is out of the reach of children.
- To prevent damage to fuel lines and engine parts, avoid using gasoline that contains ethanol or methanol (types of alcohol) when mixing gasoline with two-stroke engine oil.



## Operation

- During operation, hold the pole hedge trimmer with both hands at all times.
- Only use the pole hedge trimmer in good light and visibility conditions. Beware of slippery and wet areas (ice and snow) during the cold season (danger of slipping), and always ensure secure footing.
- Never use the pole hedge trimmer while standing on an unstable surface or a steep slope.
- Never use the pole hedge trimmer while standing on a ladder.
- Never climb a tree to use the pole hedge trimmer from the tree.
- To avoid stumbling or falling over objects, never walk backwards when working with the pole hedge trimmer.
- Always stop the engine before cleaning or servicing the machine. Also, refrain from replacing parts before the engine has been stopped.
- Do not operate the pole hedge trimmer if the cutting unit is damaged or worn.



## Maintenance Instructions

- Always do your utmost to keep pollution and noise emissions as low as possible when operating the pole hedge trimmer. Pay special attention to correct adjustment of the carburetor.
- Clean the hedge trimmer at regular intervals and periodically check whether all nuts and bolts are securely tightened.
- Never service or store the pole hedge trimmer in the vicinity of naked flames, sparks, etc.
- Empty the fuel tank before storage, and always store the pole hedge trimmer in a well-ventilated locked room. Make sure the pole hedge trimmer is out of children's reach at all times.
- To prevent further damage and/or personal injury, refrain from repairing a malfunctioning pole hedge trimmer if not qualified to do so. For repairs always contact your dealer or an authorized service agent.



Do not attempt to modify or remodel the pole hedge trimmer as this may affect operation safety.

Maintenance work that can be performed by the user is limited to the activities described in this instruction manual. Any other procedures are to be executed by an authorized service agent.

Use only genuine spare parts and accessories supplied by ROBIN via authorized service centers.

Use of unauthorized accessories and tools may increase the risk of accident and injury. ROBIN accepts no liability whatsoever for accidents or damage resulting from the use of unauthorized accessories and parts.

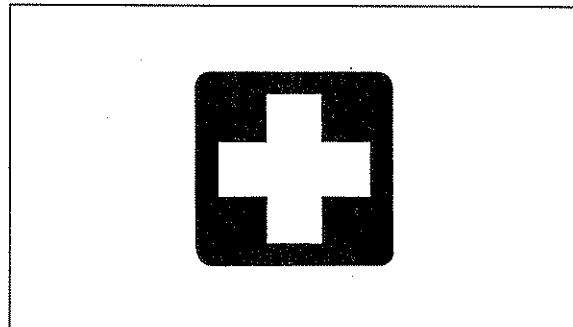
#### **First aid**

As a precaution for the occurrence of an accident, make sure that a fully stocked first aid kit is ready at hand.

Replace any items taken from the first aid kit as soon as possible.

**When asking for help in the case of an emergency, give the following information:**

- Place of accident
- What happened
- Number of injured people
- Extent of injuries
- Your name



#### **Packaging**

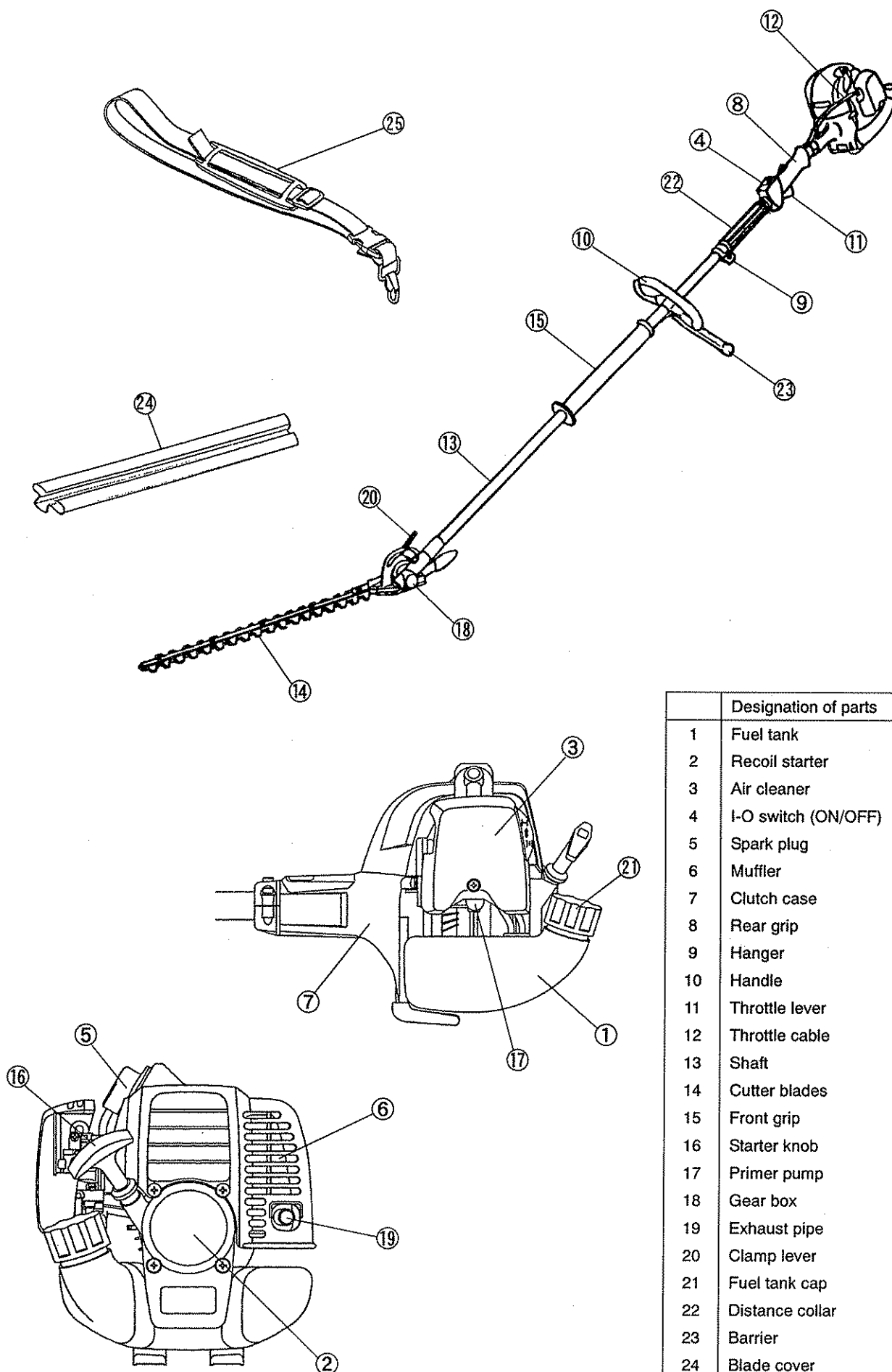
The pole hedge trimmer is delivered in a protective cardboard box to prevent damage during shipping. Cardboard is a basic raw material that can be reused and recycled (waste paper recycling).



## TECHNICAL DATA : BP2501H

Model		BP2501H
		Loop handle and Grip handle
Dimensions (L x W x H)	mm	2400 x 350 x 220
Mass	kg	6.1
Volume (fuel tank)	L	0.65
Cutting length	mm	535
Engine displacement	cm <sup>3</sup>	24.5
Maximum engine performance		0.73 kW at 7000 rpm
Engine speed At recommended max, spindle speed	min <sup>-1</sup>	10000
Fuel consumption	kg/h	0.54
Specific fuel consumption	g/kWh	735
Idling speed	min <sup>-1</sup>	3000
Clutch engagement speed	min <sup>-1</sup>	4100
Carburetor (Diaphragm carburetor)	type	WALBRO WYJ
Ignition system	type	Solid state ignition
Spark plug	type	NGK BMR7A
Electrode gap	mm	0.6-0.7
Mixture ratio (Fuel: ROBIN 2-stroke oil)		50:1
Gear ratio		1/4

## DESIGNATION OF PARTS



	Designation of parts
1	Fuel tank
2	Recoil starter
3	Air cleaner
4	I-O switch (ON/OFF)
5	Spark plug
6	Muffler
7	Clutch case
8	Rear grip
9	Hanger
10	Handle
11	Throttle lever
12	Throttle cable
13	Shaft
14	Cutter blades
15	Front grip
16	Starter knob
17	Primer pump
18	Gear box
19	Exhaust pipe
20	Clamp lever
21	Fuel tank cap
22	Distance collar
23	Barrier
24	Blade cover
25	Shoulder strap

## CONNECTING THE TRIMMER UNIT TO THE POLE

### Important:

Make sure that the engine is turned off, and remove the spark plug cap before assembling the pole hedge trimmer.

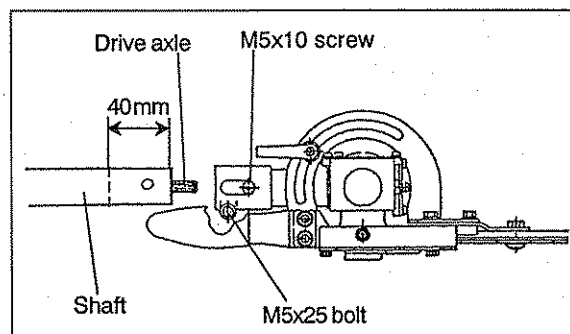
Wear protective gloves!

Secure blades with the blade cover provided when connecting the trimmer unit to the pole.

- Loosen the M5x10 screw and M5x25 bolt.
- Insert shaft into gear case

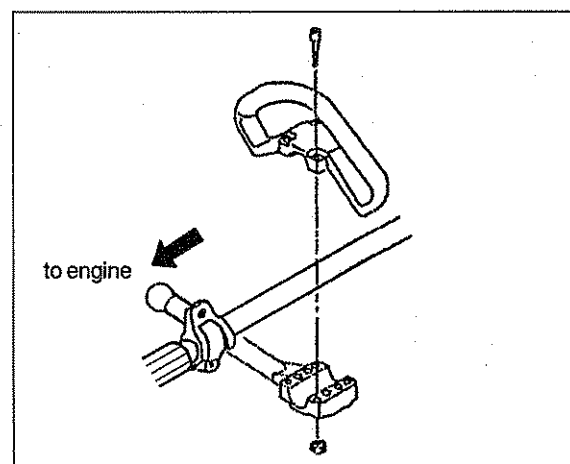
**NOTE:** Make sure that the shaft is completely inserted into the gear case (approx. 40mm/1.57").  
If you are having trouble inserting the shaft, manually rotate the drive axle a little and try again.

- Confirm that the shaft is properly inserted and then tighten the M5x10 screw and the M5x25 bolt.



## ATTACHING THE HANDLE

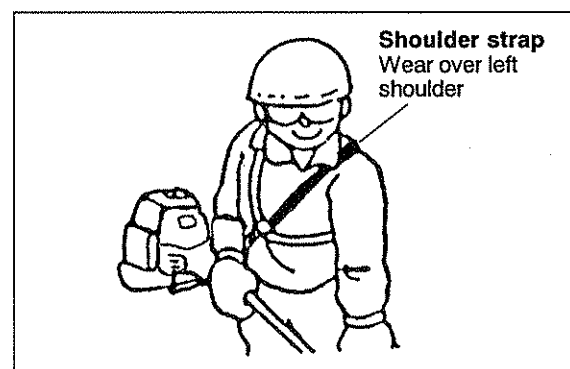
- Attach the protective barrier together with the handle so that the barrier juts out to the left as viewed from the operating position.
- Make sure not to set the handle too close to the control grip (use the distance collar provided for this purpose).



## USING THE SHOULDER STRAP

### How to wear the shoulder strap

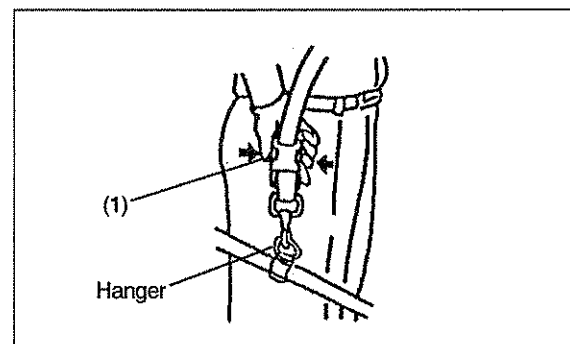
- Wear the shoulder strap over the left shoulder.
- Keep the pole hedge trimmer unit on the right hand side of the body.
- Attach the strap to the fitting provided on the pole hedge trimmer and adjust the length of the strap to attain a comfortable working position.



### Detachment

- In an emergency, push the notches (1) at both sides, 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.



# FUEL/REFUELING

## 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 may 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

The engine of the Pole hedge trimmer is a high-efficiency two-stroke engine. It is run with a mixture of fuel and two-stroke engine oil. The engine is designed for unleaded regular fuel with a min. octane value of 91 RON. In case no such fuel is available, you can use fuel with a higher octane value. This will not affect the engine, but may cause poor operating behaviour.

A similar situation will arise from the use of leaded fuel. To obtain optimum engine operation and to protect your health and the environment, only unleaded fuel should be used!

For lubricating the engine use a two-stroke engine oil (quality grade: TC-3), which is added to the fuel. The engine has been designed to use specified two-stroke engine oil at mixture ratio of 50:1 to protect the environment. In addition, a long service life and a reliable operation with a minimum emission of exhaust gases is guaranteed. It is absolutely essential to observe a mixture ratio of 50:1 (specified 2-stroke engine oil), as otherwise reliable function of the Pole hedge trimmer cannot be guaranteed.

## The correct mixture ratio:

Gasoline : Specified two-stroke engine oil = 50 : 1 or

Gasoline : Other manufacturer's two-stroke engine oil = 25 : 1 recommended

**NOTE:** For preparing the fuel-oil mixture first mix the entire oil quantity with half of the fuel required, then add the remaining fuel. Thoroughly shake the mixture before filling it into the Pole hedge trimmer tank. It is not wise to add more engine oil than specified to ensure safe operation.

This will only result in a higher production of combustion residues which will pollute the environment and clog the exhaust channel in the cylinder as well as the muffler. In addition, the fuel consumption will rise and the performance will decrease.

## Refueling

### 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.

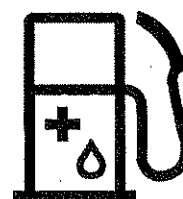
## Storage of Fuel



Fuel cannot be stored for an unlimited period of time.

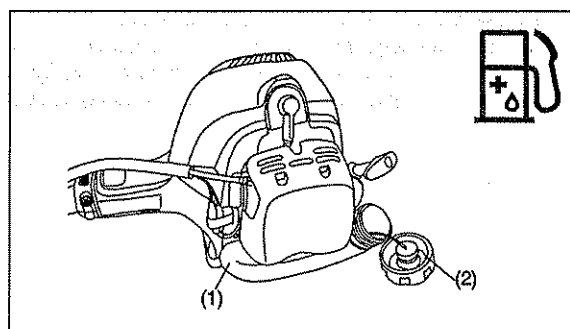
Purchase only the quantity required for a 4 week operating period. Only use approved fuel storage containers.



Observe the Safety Instructions on page 5

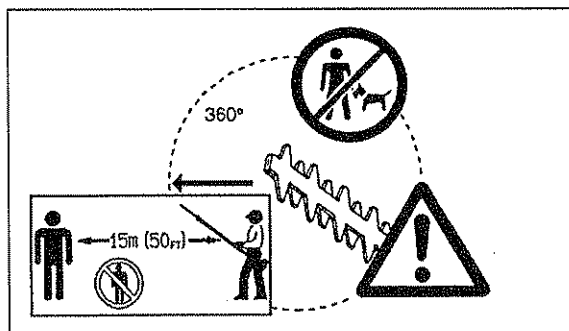


Gasoline	50:1	25:1	
	+		
1000 mL (1 L)	20 mL	40 mL	
5000 mL (5 L)	100 mL	200 mL	
10000 mL (10 L)	200 mL	400 mL	



## PRECAUTIONS BEFORE STARTING THE ENGINE

- At all times allow a 15-meter diameter safety zone around the working area. Make sure that all persons (in particular children) and/or animals remain outside this zone.
- Before using the pole hedge trimmer, make sure that the machine is in safe operational condition. Make sure that the cutter blades are not damaged, and check the throttle lever for easy action. Confirm that the cutter blades are not in motion when the engine is idling. If the machine is not operating normally, contact your dealer to have the machine adjusted. Make sure that the handles are clean and dry, and test whether the I-O switch is functioning properly. Start the engine only in accordance with the instructions given in this manual. Do not use any other methods to start the pole hedge trimmer (see , "Starting the Engine").
- Start the engine of the pole hedge trimmer only after having read and fully understood the instructions. Never attempt to start a pole hedge trimmer that has not been fully assembled. Serious injury may result otherwise.
- Before starting the engine, always make sure that the cutter blades are not obstructed by stones, branches or any other solid objects.
- Check the working area for wires, cord, glass or other foreign objects that could get caught in the cutter blades.
- Electrical shock: Be aware of all electrical lines in the vicinity. Check the entire work area for the presence of power lines and electrical fences before starting to work.



## STARTING THE ENGINE

If the machine has just been refueled, move at least 3 meters away from the location where the pole hedge trimmer was refueled. Place the pole hedge trimmer on a reasonably clean spot on level ground, and make sure that the cutter blades are not in contact with the ground or any other solid objects.

**Cold start** (cold engine / engine was stopped for more than 5 minutes / after refueling)

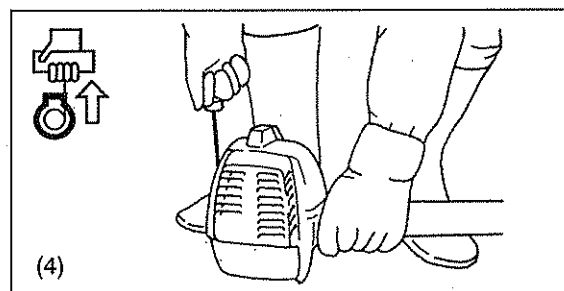
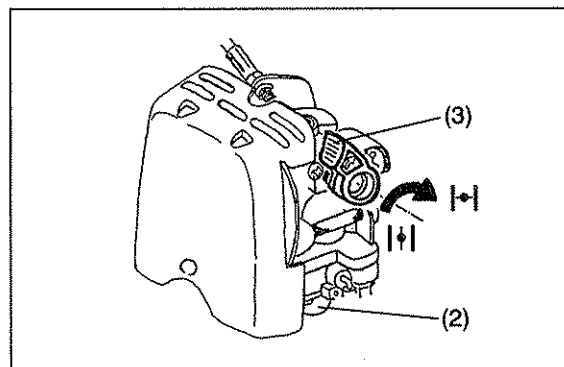
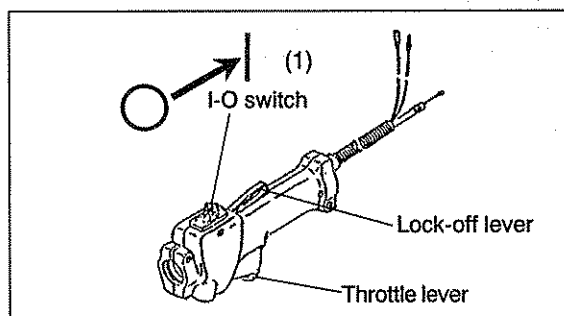
1. Move the I-O switch to the "I" position (1).
2. Push the primer pump (2) repeatedly (7 to 10 times) until fuel enters the bulb of pump.
3. Move the choke lever (3) into the "I" position.
4. With one hand hold the engine firmly on the ground (4).
5. Pull the starter cord for approx. 10~15 cm until resistance can be felt.
6. Pull firmly (repeatedly if necessary) on the cord until the engine starts.
7. Return choke lever to position "I" after the engine has started. Note that the choke lever returns automatically when the throttle lever is operated. Squeeze the throttle lever together with the lock-off lever.
8. Warm up the engine at a moderate speed for approx. 1~2 minutes.
9. After the engine is warm the engine runs evenly and transition from low speed to high speed is smooth and without interruption.

**Note:** Pulling the starter rope repeatedly with the choke in "I" position results in excessive fuel intake, which can make it difficult for the engine to start. In the case of excessive fuel intake, remove the spark plug and pull the starter rope slowly to remove excess fuel. Dry the spark plug electrode and replace the spark plug.

**Warm start** (immediate restart after engine-stop)

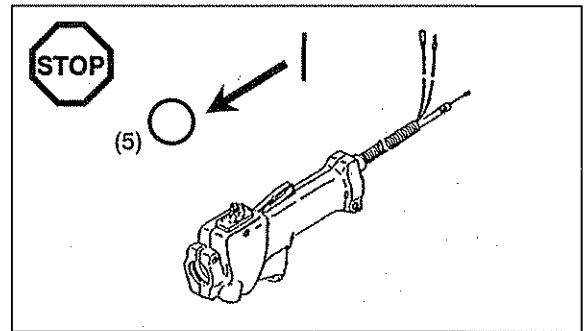
Do not operate the choke (3) when restarting the engine immediately after stoppage. If the engine does not start, execute steps 1~8 as described above (cold start).

**Note:** Do not release the starter knob immediately after pulling the starter rope, but guide the knob back to its original position.



## STOPPING THE ENGINE

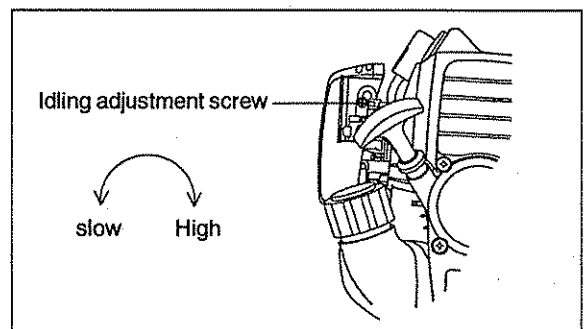
1. Release the throttle lever.
2. Push the I-O switch to the "O" position (5) to stop the engine.



## CHECKING AND ADJUSTING THE IDLING SPEED

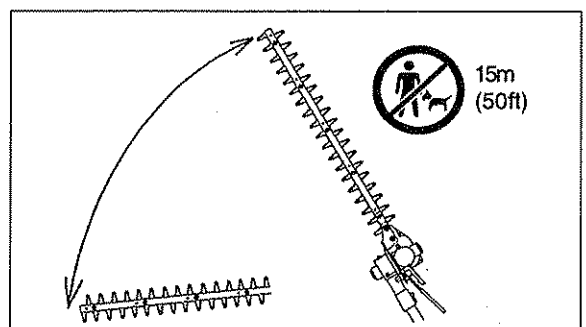
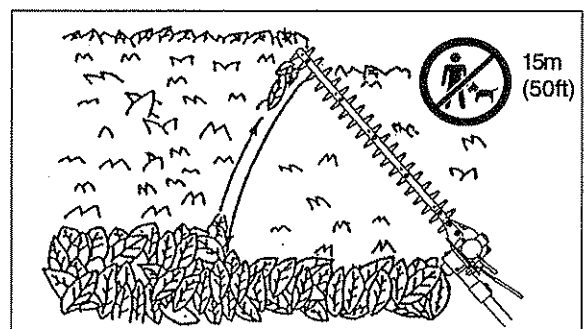
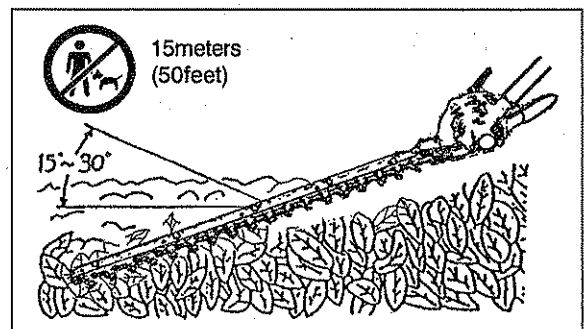
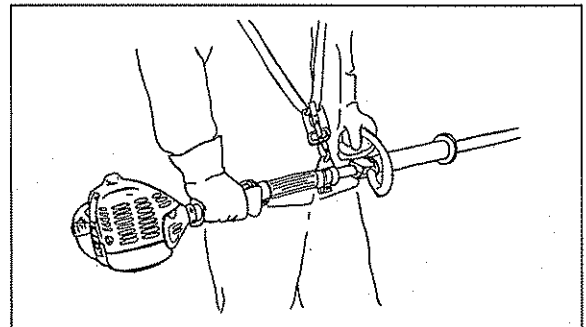
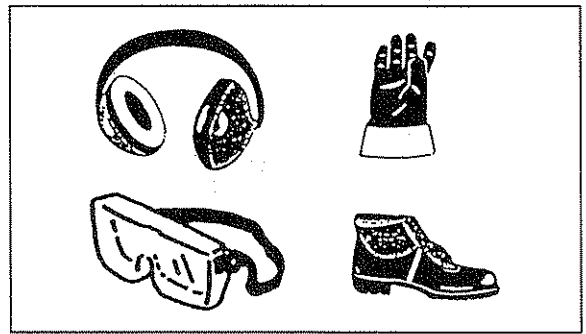
The cutter blades of the pole hedge trimmer should not move when the throttle lever is released.

- The correct idling speed is 3000 rpm. If necessary, adjust the idling speed using the idling adjustment screw (reduce revs until the cutter blades do not move anymore).
  - Turn screw clockwise: Idling speed increases
  - Turn screw counter-clockwise: Idling speed decreases.
- Allow an adequate difference between the idling rate and the rate at which the clutch engages (reduce idling speed further if necessary). Should the cutter blades still move in spite of accurate idling speed settings, consult your nearest authorized service agent.
- The clutch should engage at a minimum rate of 4000 rpm.
- Check that the STOP switch, the lock-off lever and the throttle lever are all functioning properly.



# OPERATING THE POLE HEDGE TRIMMER

- When working with the pole hedge trimmer, firmly grasp the handles with both hands.
- Do not touch the cutter blade portion of the pole hedge trimmer during operation, or when the engine is running.
- Take extra care not to inhale exhaust gases when working with the pole hedge trimmer. Never operate the pole hedge trimmer in an enclosed room or an area with insufficient ventilation (risk of suffocation and gas poisoning). Note that carbon monoxide is an odorless gas that is, it cannot be detected by the sense of smell.
- Always wear adequate protective wear before starting to work with the pole hedge trimmer.
- Stop the engine immediately if the muffler is not functioning properly.
- Only use the pole hedge trimmer in good light and visibility conditions.
- Do not operate the pole hedge trimmer in darkness or fog. Beware of slippery and wet areas (ice and snow) during the cold season (danger of slipping), and always ensure secure footing.
- Never use the pole hedge trimmer while standing on an unstable surface or a steep slope.
- Never use the pole hedge trimmer while standing on a ladder.
- Never climb a tree to use the pole hedge trimmer from the tree.
- Continuously check the working area for wires, cord, glass or other foreign objects that could get caught in the cutter blades.
- Confirm that the cutter blades are in rapid motion before starting to cut.
- Always grip the pole hedge trimmer with both hands and maintain a firm grip when working with the machine.
- To assure optimal control over the pole hedge trimmer, always completely wrap your hands around the handles (use your thumb for counter pressure) and apply a firm grip on the handles.
- Note that the cutter blades will remain in motion for up to two seconds after the throttle lever has been released.
- Do not cut with the pole hedge trimmer at low engine speed.
- The speed of the cutter blades cannot be adjusted properly with the throttle lever when the engine is running at low speed.
- To trim the top surface of a hedge, first align the cutting tool at an angle of 15°~30° in the cutting direction and keep the pole hedge trimmer in a horizontal position. Then start trimming the hedge using a swinging movement, much like drawing circle segments with the hedge trimmer shaft.
- To trim the sides of a hedge, align the blades parallel to the surface to be cut and start trimming with semi-circular upward (down-up) movements.
- Pay attention when trimming a hedge that has grown along a fence. Be especially careful not to allow the cutter blades from coming into contact with solid matter such as a metal fence. Cutting into solid matter such as metal, stone, concrete or thick wood may damage the blades and/or cause overall breakdown of the machine.
- Do not use the pole hedge trimmer over an extended period of time. As a general rule, for every 50 minutes of operation take a 10-20 minutes rest.
- If the cutter blades come into contact with stones or other solid objects, stop the engine immediately and check the blades for damage. Replace the blades if damaged.
- If the pole hedge cutter develops a problem during operation (strange noises, vibration, etc.), immediately stop the engine. Do not use the machine again until the problem has been recognized and solved.
- Always do your utmost to keep pollution and noise emissions as low as possible when operating the pole hedge trimmer. Pay special attention to correct carburetor adjustment and accurate gasoline/oil mixture.
- If thick branches get jammed in the cutter blades, immediately stop the engine, lay the equipment on the ground and remove the obstruction. Check the blades for damage before using the machine again.

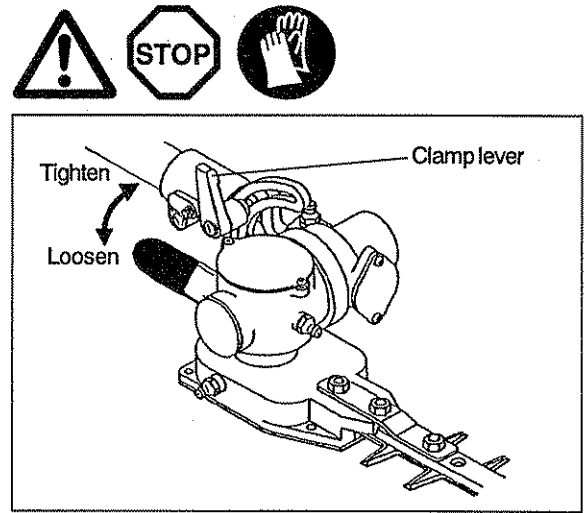


### Adjustment of cutting angle

1. Stop the pole hedge trimmer engine and lay the machine on the ground.
2. To adjust the angle of the cutter unit, loosen the clamp lever located at the top of the cutter unit by turning it counter-clockwise.
3. Adjust the angle of the cutter unit and turn the clamp lever clockwise to secure.
  - The cutter unit can be adjusted anywhere between 45° and 90°.

#### Note:

- Do not adjust the cutter unit while the pole hedge trimmer is in an upright position.
- Move the I-O switch to the "O" position and lay the pole hedge trimmer flat on the ground to adjust the cutting angle.
- Always secure the blades with the blade cover provided before adjusting cutting angle.



## MAINTENANCE

- Before performing any maintenance work on the pole hedge cutter (blade cleaning, etc.), always stop the engine and wait until the engine has cooled down. As an additional safety precaution, also remove the spark plug cap.
- Do not try to straighten or weld a bent or broken cutting blade. Always replace damaged blades.
- Stop the engine at regular intervals to check the cutter blades for possible damage (perform a tapping-resonance test to detect hard-to-see hairline cracks). Always make sure that the teeth of the blades are sharp.
- Clean the pole hedge trimmer at regular intervals. During cleaning also check that all screws, nuts and bolts are well tightened.
- To reduce the risk of fire, never service or store the pole hedge trimmer in the vicinity of open fires.
- Always wear rugged protective gloves when handling the cutter blades.
- Contact your dealer for replacement cutter blades.



### Sharpening the blade

If the cutting blades have become blunt and cutting performance is poor, have the blades sharpened by an authorized service agent.

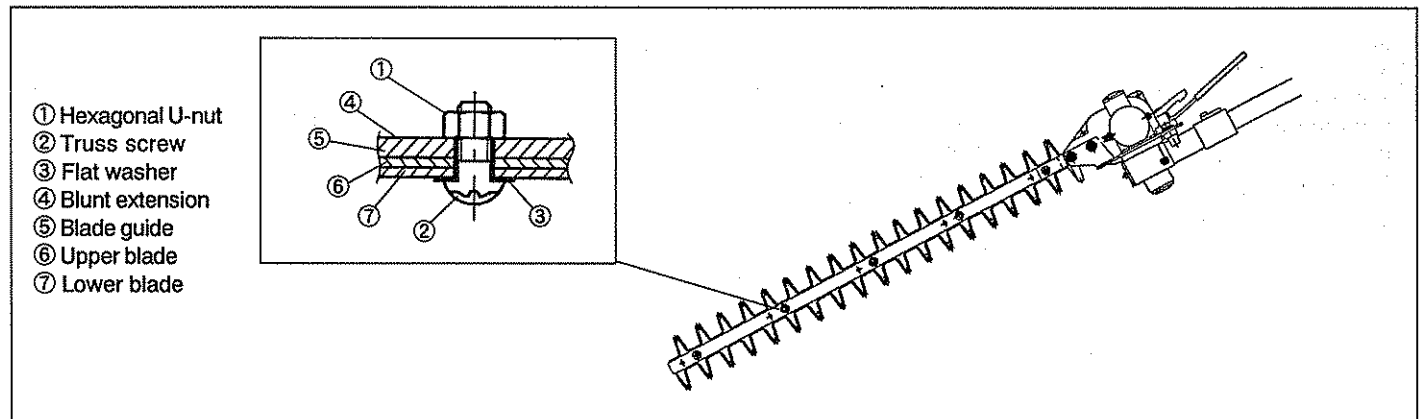
## Blade adjustments



Extended use of the pole hedge trimmer will gradually wear down the blades. Readjust the blades if cutting performance deteriorates noticeably. For adjustment of the blades follow the instructions below.

1. Release nut ①.
2. Tighten screw ② lightly until resistance is felt. Then turn the screw in the opposite direction for a quarter or half turn.
3. Hold screw ② in place with a screwdriver and tighten nut ①.
4. After adjustment lubricate the blades with a thin film of light oil.
5. Start the engine and pull the throttle lever several times to set the blades in motion. Continue for approx. one minute.
6. Stop the engine and wait until the blades come to a standstill. Cautiously touch the blades with your bare hand. Adjustment is correct if the blades are warm, but not too hot to touch. If the blades are too hot to be touched, release screw ② for another quarter to half a turn and repeat steps 5~6 to confirm proper adjustment.

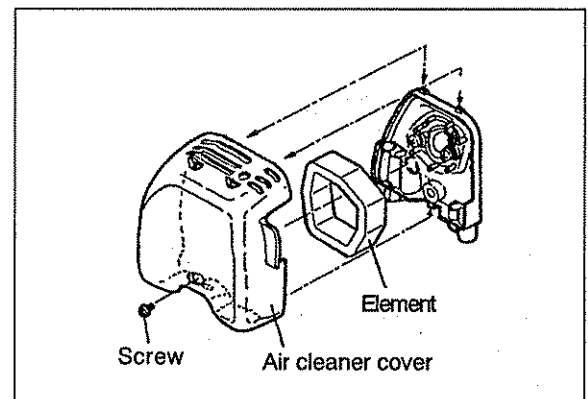
**NOTE:** Always stop the engine and remove the spark plug cap before adjusting the blades!  
The blades have grooves around the truss screws ②. Always keep these grooves clean so that they can be inspected for possible damage.



## Cleaning the air cleaner - Every 8 hours (daily)

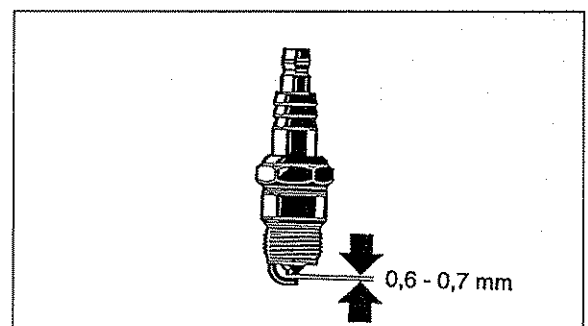
- Remove the air cleaner cover.
- Remove the sponge element. Wash the sponge element in lukewarm water and allow to dry completely.
- Replace the cleaned and dried sponge element and then replace the air cleaner cover.

**Note:** Clean the air cleaner on a daily basis. A clogged air cleaner may make it difficult or impossible to start and/or accelerate the engine.



## Checking the spark plug - Every 8 hours (daily)

- Only use the universal wrench provided to remove and replace the spark plug.
- The spark plug gap should be 0.6~0.7 mm. Adjust the spark plug gap if it is too wide or too narrow. Clean or replace the spark plug if contaminated and/or clogged with carbon residue. Always replace with the same type of spark plug.

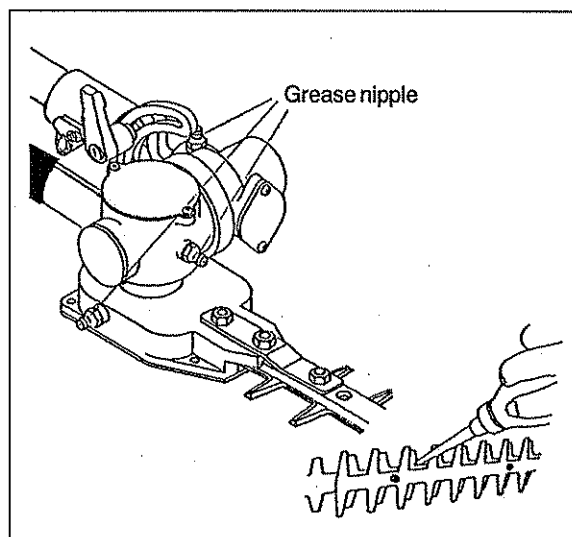




### Adding grease and lubricant

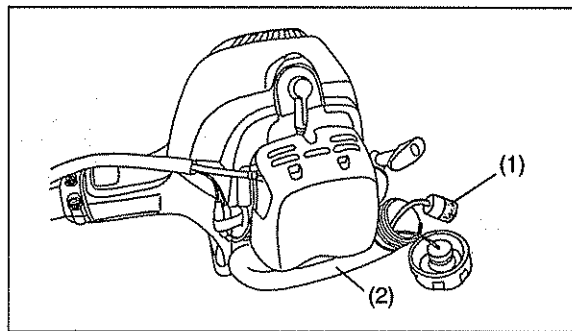
- The gearbox of the pole hedge trimmer should be greased every 20 working hours. Add approx. 10cc of lubricant (Shell Alvania No. 3 or equivalent) to the gearbox via the grease nipples. (Some grease will emerge from the head of the gearbox (located at the base of the blade) when the pole hedge trimmer is set in motion the first time after greasing. Use this as a rough indicator for the amount of grease to supply.)

**Note:** Observe greasing intervals and the amount of grease to be supplied. Mechanical parts of the pole hedge trimmer may be damaged if grease is not supplied at the prescribed intervals or if an insufficient amount of grease is added.



### Fuel tank filter

- The inside of the fuel tank is equipped with a filter (1) that cleans the fuel before it enters the carburetor.
- Visually check the filter at regular intervals. To do so, use a piece of wire formed into a hook and draw the filter out of the tank (2). Replace the filter if it is hardened, clogged up, or excessively contaminated.
- Inadequate fuel supply as a result of a deteriorated fuel filter may result in poor engine performance. In order to ensure that the required amount of fuel enters the carburetor, replace the fuel filter whenever in doubt of its condition.

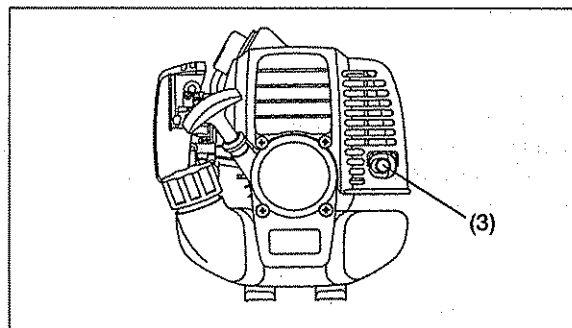


### Cleaning the muffler outlet

- Check the condition of the muffler outlet (3) at regular intervals.
- Use a suitable tool to remove excessive carbon residue that accumulates around the muffler outlet. Take special care to prevent removed carbon residue from entering engine parts.

### Cleaning the spark arrester

- The spark arrester should be cleaned every 50 working hours.
- Have the spark arrester cleaned at your dealership or by an authorized service agent.



For all maintenance work not mentioned in this instruction manual, please contact your dealership or an authorized service agent.

### Daily inspection and maintenance

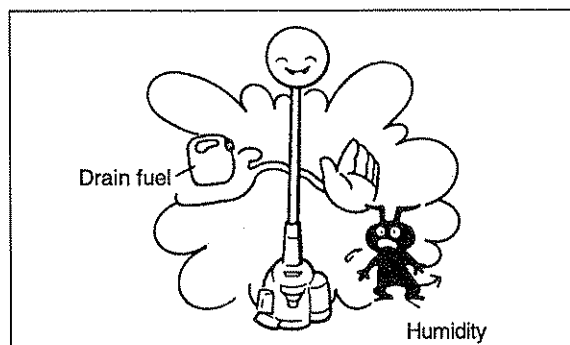
To ensure a long service life of your pole hedge trimmer, perform the following inspections and maintenance on a daily basis.

- Always check for loose or missing parts before starting operation. Pay special attention to the cutting unit and make sure that the cutter blade lock screws are well tightened.
- Check for clogging of the cooling air passages and the cooling fins of the cylinder before starting operation. Clean if necessary.
- Each day after using the pole hedge trimmer perform the following.
  - Clean the outside of the pole hedge trimmer; check for damage and loose parts.
  - Clean the air filter. Clean the filter several times a day if working in extremely dusty conditions.
  - Check the cutter blades for damage. Make sure that the blades are securely mounted.

## STORAGE

If the pole hedge trimmer is to be stored for an extended period of time, proceed as follows:

- Drain all fuel from the tank and carburetor.
- Remove the spark plug and add a few drops of two-stroke oil through the spark plug hole. Gently pull out the starter rope to ensure that the oil is evenly distributed inside the engine. Replace and tighten the spark plug.
- Clean the entire pole hedge trimmer and apply a thin layer of oil to the metallic surfaces of the machine. Secure and protect the blades with the blade cover provided. Store the pole hedge trimmer in location that is free of humidity.



## MAINTENANCE SCHEDULE

General	Engine Screws, nuts, bolts	Check general condition and safety Visually check for damage Confirm that screws, nuts and bolts are secure
After refueling	Throttle lever Lock-off lever STOP switch	Check functioning Check functioning Check functioning
Daily	Air filter Cooling air duct Cutting tool Idling	Clean Clean Check for damage, confirm sharp Confirm that the cutter blades are not in motion
Every 20 hours	Gearbox	Add grease
Weekly	Spark plug Muffler	Check, replace if necessary Check, clean outlet if necessary
Quarter annually	Fuel filter Fuel tank	Clean or replace, if necessary Clean inside
Before extended storage	Fuel tank Carburetor	Drain tank Keep engine running until fuel runs out

## TROUBLESHOOTING

Problem	System	Observation	Cause
Engine does not start or difficulty starting	Ignition	Ignition spark is present	Problem with fuel supply or compression system, mechanical defect
		No ignition spark	STOP switch in OFF-position, broken wire, defective spark plug or connector, defective ignition module
	Fuel supply	Fuel available	Wrong choke setting, defective carburetor, fuel filter contaminated, broken or bent fuel hose
	Compression	Inside engine	Defective cylinder gasket, damaged crankshaft seals, defective piston and/or cylinder rings
		Outside engine	Loose spark plug
Warm start problems	Mechanical	Starter not functional	Defective starter spring, mechanical defect inside engine
		Fuel available Ignition functioning	Carburetor contaminated (have carburetor cleaned)
Engine starts but stalls immediately	Fuel supply	Fuel available	Incorrect idling adjustment, carburetor or fuel filter contaminated  Defective fuel tank vent, broken fuel hose, defective STOP switch (loose contact, etc.)
Poor performance	Several systems may be affected simultaneously	Engine idling	Contaminated air filter, carburetor contaminated, clogged muffler, clogged cylinder exhaust duct

## **EMISSION COMPLIANCE PERIOD**

For handheld engine : The Emissions

Compliance Period referred to on the Emissions

Compliance label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements.

Category C=50 hours, B=125 hours, and A=300 hours.

## **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 to 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 or 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 CONTROL 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.

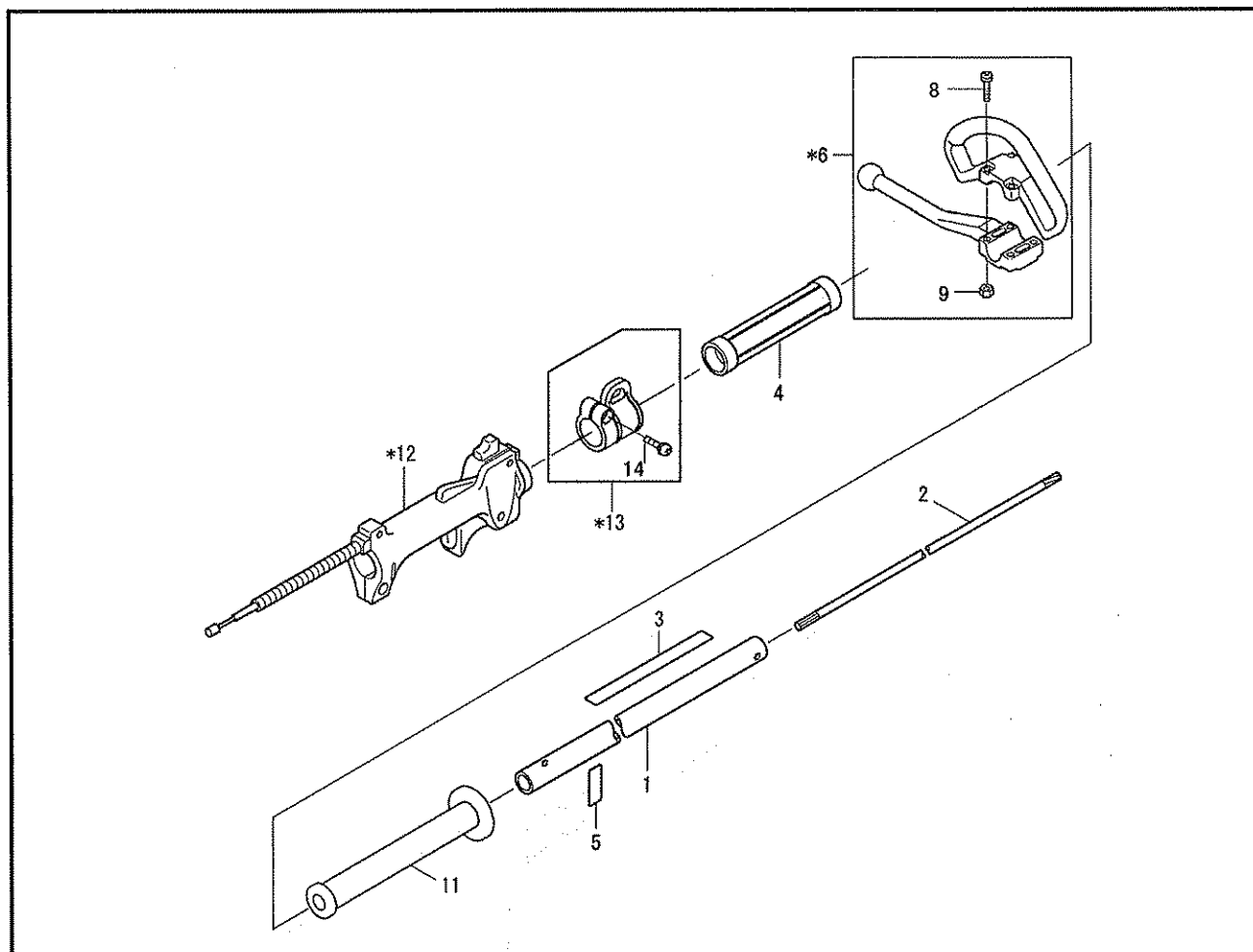
Warranty claims will not be denied, solely because of the lack of required maintenance or failure to keep maintenance records.

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 A WARRANTY CLAIM.

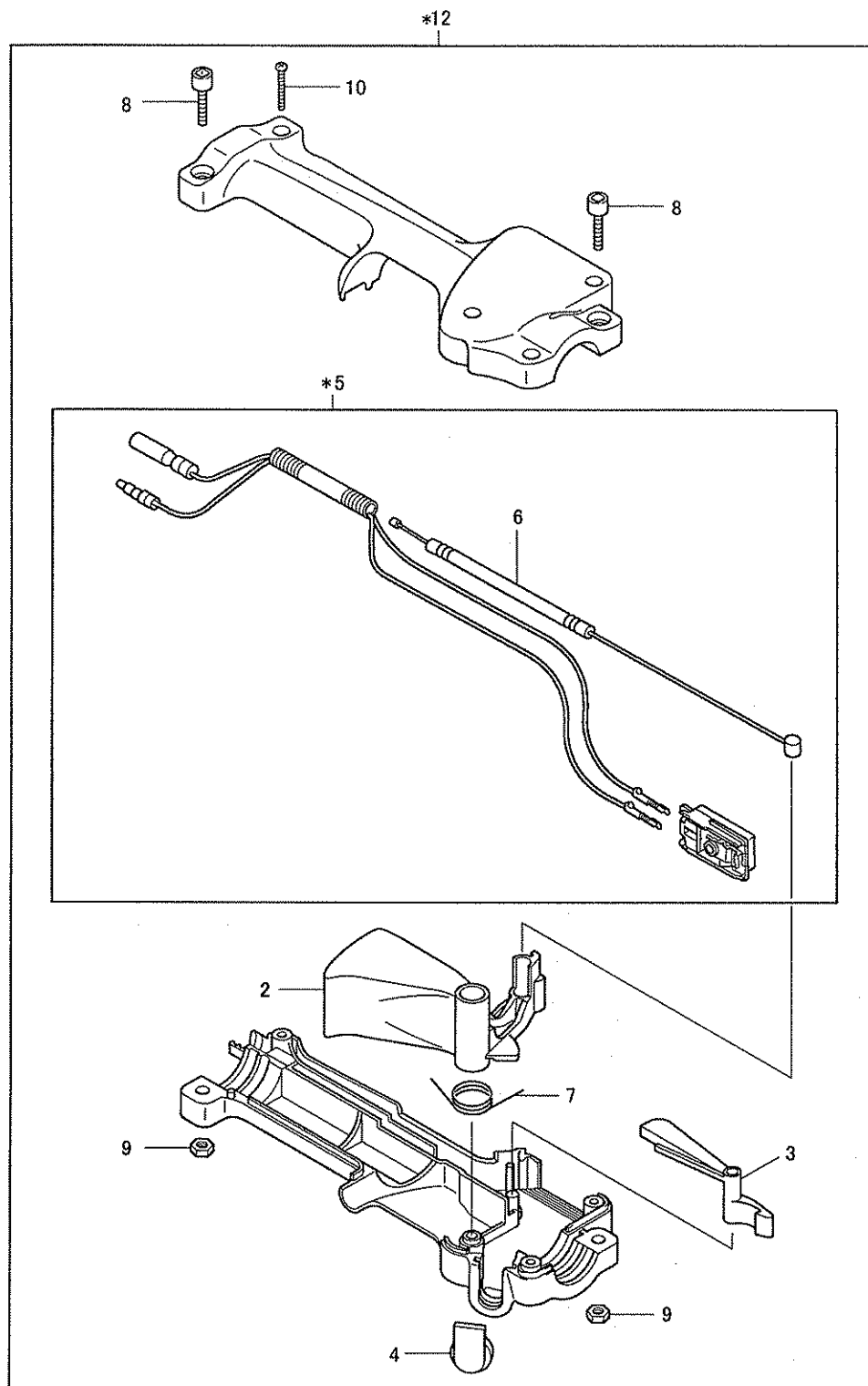
If other than the parts authorized by CARSWELL are used for maintenance replacements or for the repair of components affecting emission control, you should assure yourself that such parts are warranted by their manufacturer to be equivalent to the parts authorized by CARSWELL in their performance and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



KEY No.	OUR PART No.	QUANTITY	DESCRIPTION	PART No.
1	74410314	1	PIPE, SHAFT COMPL	6211025000
2	7445433	1	SHAFL	6191500401
3	74410588	1	LABEL, CAUTION (BP2501H)	6019022010
4	74410012	1	SPACER	6271501501
5	7441048	1	LABEL, CAUTION	6259514700
* 6	74410581	1	HANDLE SET (INCL.8~9)	6214016000
8	74410181	4	SCREW (M5×25)	6214016030
9	7441703	4	NUT (M5)	0022705000
11	74410016	1	GRIP	6014503800
* 12	74410587	1	CONTROL LEVER ASSY	6215030000
* 13	74410582	1	HANGER ASSY (INCL.14)	6197005001
14	74410184	1	SCREW ASSY (M5×20 W,SW)	0140059360

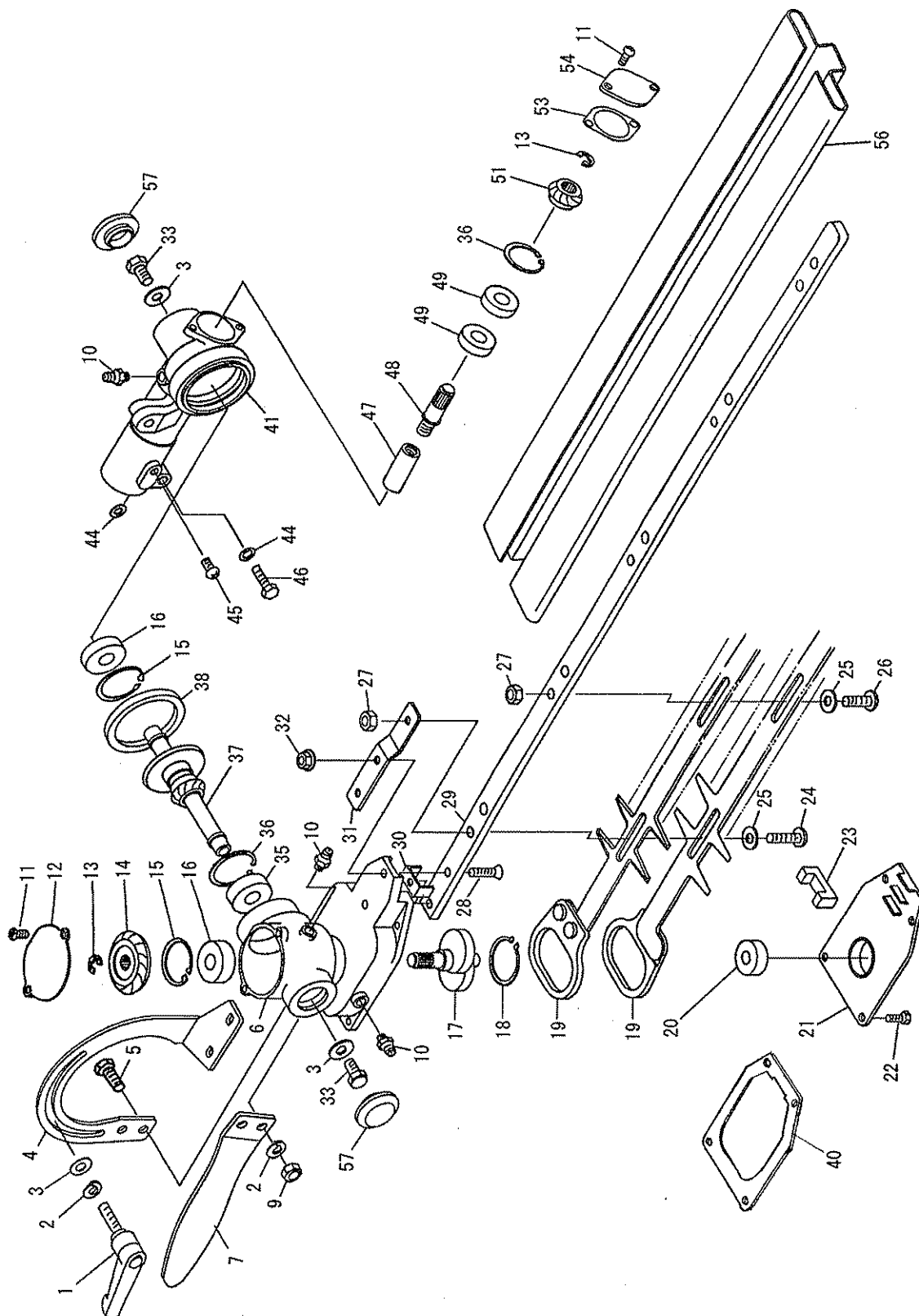


## CONTROL LEVER ASS'Y

## BP2501H PARTS LIST

(U.S. SPEC.)

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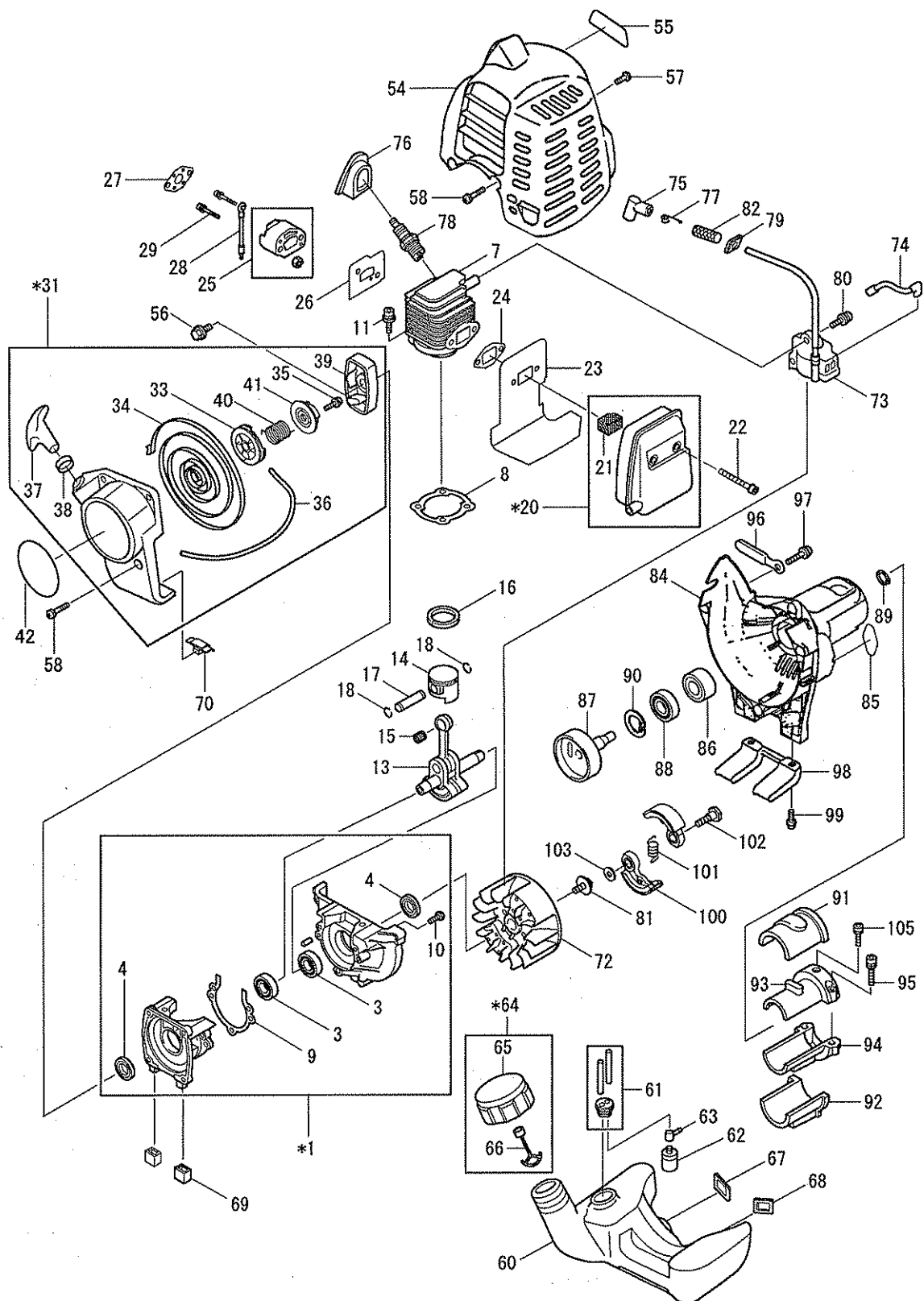
## HEDGE TRIMMER

## BP2501H PARTS LIST

(U.S. SPEC.)

KEY NO.	OUR PART No.	QUANTITY	DESCRIPTION	PART No.
1	74410021	1	LEVER, CLAMP	R034-000900
2	74410022	3	SPRING WASHER	K210-060000
3	74410023	3	WASHER	K207-060209
4	74410024	1	PLATE	A224-145003
5	74410025	2	BOLT ASSY, CROSS RECESS	K054-060220
6	74410026	1	CASE A	A224-148002
7	744100257	1	HANDLE	A224-141003
9	74410169	2	NUT	K150-060000
10	74410029	3	NIPPLE	R055-000100
11	74410030	4	SCREW ASSY	K016-040080
12	74410031	1	PLATE	A196-112004
13	74410032	2	CLIP	K280-006000
14	74410033	1	GEAR	A023-500444
15	74410043	2	SNAPRING, INNER	K282-026000
16	74410034	2	BALL BEARING	K354-060000
17	74410035	1	CRANKSHAFT	A024-000053
18	74410036	1	SNAPRING, OUTER	K283-028000
19	74410037	2	BLADE	A224-143009
20	74410038	1	BALL BEARING	K351-006080
21	74410039	1	CASE LOWER	A224-153003
22	74410040	4	BOLT ASSY, CROSS RECESS	K054-040120
23	74410041	1	FELT	A224-112004
24	74410042	1	SCREW	A040-002009
25	7445028	5	WASHER	008-250
26	74410044	4	SCREW	A040-001009
27	74410017	5	U-NUT	K164-060000
28	74410045	2	SCREW	K031-050200
29	74410046	1	GUIDE PLATE	A224-144003
30	74410047	1	GUIDE	A224-131004
31	74410048	1	PLATE	A224-108004
32	74410049	2	FRANGE NUT	K162-050000
33	74410050	2	BOLT ASSY, CROSS RECESS	K054-060120
35	74410052	1	BALL BEARING	K354-006080
36	74410067	2	SNAPRING, INNER	K282-022000
37	74410053	1	GEAR COMPL	A224-130004
38	74410054	1	RING-O	K440-P41000
40	74410051	1	PACKING	A224-154004
41	74410055	1	CASE B	A224-149002





## ENGINE BODY

## BP2501H PARTS LIST

(U.S. SPEC.)

KEY NO.	OUR PART No.	QUANTITY	DESCRIPTION	PART No.
* 1	7445324	1	CRANKCASE COMPL (INCL.3,4,9,10)	5231014000
3	74410079	2	BALL BEARING (#6001C3)	0600129850
4	7445447	2	OIL SEAL	0440129970
7	7447711	1	CYLINDER	5231501804
8	7445405	1	GASKET, CYLINDER	5231502304
9	7445325	1	GASKET, CRANKCASE	5231502202
10	7445341	3	SCREW (M5×25 SW)	0140059520
11	7445333	2	SOCKET HEAD BOLT (M5×20 W,SW)	0119059730
13	74410320	1	CRANKSHAFT COMPL	5252007000
14	74410321	1	PISTON	5252500800
15	7441012	1	NEEDLE ROLLER BEARING	0610089990
16	7445328	1	RING, PISTON	5242500701
17	7445329	1	PIN, PISTON	5232502600
18	7445330	2	CLIP	0565089970
* 20	74410322	1	MUFFLER, EXHAUST (INCL.21)	5253057000
21	74410323	1	SPARK ARRESTER	5253033010
22	7445348	2	SOCKET HEAD BOLT (M5×45 W)	0119059600
23	74410324	1	GASKET, MUFFLER	5253503500
24	7445343	1	GASKET, MUFFLER	5233504302
25	74410325	1	INSULATOR COMPL	5423006000
26	7441032	1	GASKET, INSULATOR	5253503800
27	7446686	1	GASKET, AIR CLEANER	5103502801
28	7445342	1	WIRE	6165501200
29	7445495	2	SOCKET HEAD BOLT (M5×25 W,SW)	0119059640
* 31	74410583	1	STARTER, REWIND ASSY (INCL.33~41)	5255049000
33	74410584	1	REEL	5255050010
34	7445373	1	SPIRAL SPRING	5235024032
35	7445376	1	SET SCREW	5425003010
36	7445576	1	STARTER ROPE	5255016020
37	7447614	1	STARTER KNOB	5225004020
38	7445490	1	DAMPER	5255001040
39	74410577	1	PULLEY	5255051000
40	74410298	1	DAMPER SPRING	5195019030
41	74410585	1	CAM PLATE	5255050020
42	74410591	1	LABEL, MODEL (BP2501H)	6019511300

## ENGINE BODY

## BP2501H PARTS LIST

(U.S. SPEC.)

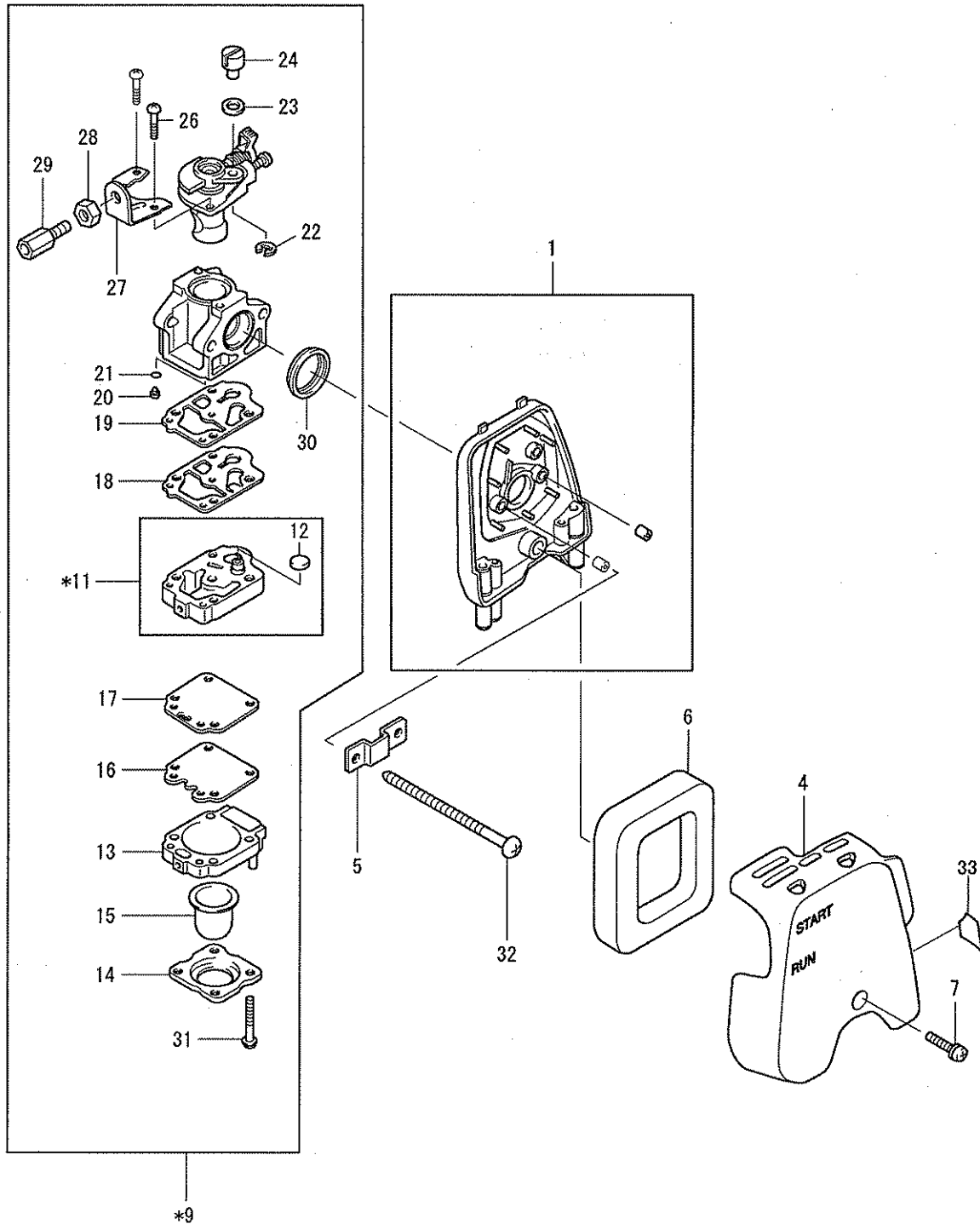
KEY NO.	OUR PART No.	QUANTITY	DESCRIPTION	PART No.
54	74410329	1	COVER, CYLINDER	5255504800
55	74410207	1	LABEL, TRADE MARK (ROBIN)	5219500701
56	7445363	1	BOLT ASSEMBLY (M6×14 W)	5235504700
57	7445498	1	SCREW ASSY (M5×14 W,SW)	0140059480
58	74410586	4	SCREW (M5×18 W,SW)	0140059350
60	74410330	1	TANK, FUEL	5256502900
61	74410304	1	TUBE	0851159920
62	7443112	1	FILTER	5236503900
63	7443114	1	HOSE CLAMP	0561059990
* 64	7449990	1	CAP, FUEL TANK ASSY (INCL.65,66)	5256059000
65	7449000	1	CAP, FUEL TANK ASSY	5256058000
66	7449010	1	STRAP ASSY	5256067000
67	7446161	1	PLATE	5036500200
68	7446162	1	PLATE	5036500300
69	7446160	2	DAMPER	5216500200
70	74410331	1	DAMPER	5256503000
72	7447731	1	FLYWHEEL	5237034014
73	74410332	1	COIL	5257037020
74	74410250	1	WIRE COMPL	5257018001
75	74410248	1	CAP, PLUG	0655009870
76	7445526	1	COVER, PLUG CAP	5197500100
77	7446169	1	SPRING, PLUG CAP	0654009931
78	744BMR7A	1	PLUG, SPARK (BMR7A)	0650149721
79	74410333	1	GROMMET	5257501100
80	74410249	2	SCREW ASSEMBLY (M4×20 W,SW)	0043704200
81	74410334	1	BOLT ASSEMBLY (M6×16 W,SW)	0130069940
82	74410335	1	TUBE	0851139930
84	74410336	1	CASE, CLUTCH	6211505500
85	74410230	1	LABEL	6279516201
86	7449836	1	SPACER	6241500300

## ENGINE BODY BP2501H PARTS LIST (U.S. SPEC.)

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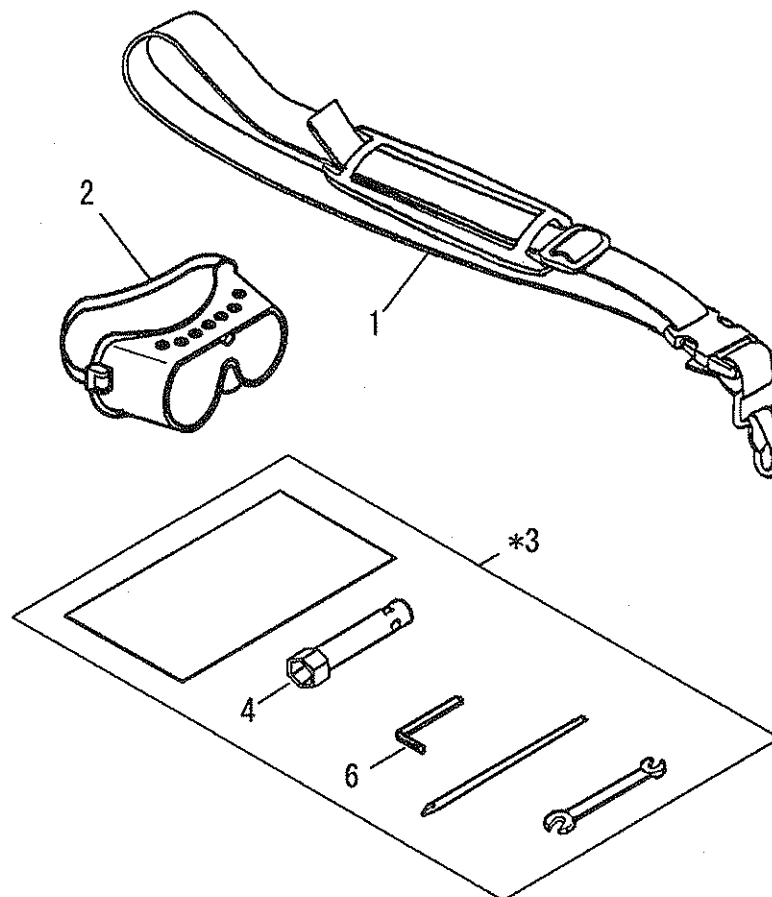
ENGINE BODY BP2501H PARTS LIST (U.S. SPEC.)

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**CARBURETOR & AIR CLEANER BP2501H PARTS LIST**
**(U.S. SPEC.)**

KEY NO.	OUR PART No.	QUANTITY	DESCRIPTION	PART No.
1	74410088	1	PLATE, CLEANER COMPL	5253021000
4	74410087	1	CASE, AIR CLEANER	5253502600
5	7445506	1	PLATE, AIR CLEANER	5013502400
6	7445409	1	ELEMENT, AIR CLEANER	5233504700
7	7445498	1	SCREW ASSY (M5×14 W,SW)	0140059480
* 9	74410579	1	CARBURETOR (INCL.11~31)	5256086000
* 11	7443861	1	BODY ASSEMBLY, PUMP (INCL.12)	5236046130
12	7446508	1	SCREEN, INLET	5016004010
13	7443863	1	BODY ASSEMBLY, AIR PURGE	5236046060
14	7446790	1	COVER, PRIMER PUMP	5236046050
15	7446504	1	PUMP, PRIMER	5246001150
16	7443171	1	DIAPHRAGM ASSY, METERING	5926008010
17	7446791	1	GASKET, METERING DIAPHRAGM	5236046040
18	7446499	1	DIAPHRAGM, PUMP	5246001040
19	7446498	1	GASKET, PUMP	5246001030
20	7445504	1	JET (#38)	5256013010
21	7446510	1	O RING	5246001010
22	7446511	1	RING, SPRING RETAINING	5316005120
23	7446796	1	WASHER	5426005030
24	7445418	1	SWIVEL	5236018040
26	7446514	2	SCREW	5246001240
27	7446792	1	BRACKET, CABLE	5236052020
28	7441290	1	NUT	5316005450
29	7446572	1	SCREW, CABLE ADJUST	5216008010
30	7446507	1	RING, PACKING	5236018020
31	7445602	4	SCREW	5236046010
32	7447465	2	SCREW, PAN HEAD (M5×60)	0043105600
33	74410580	1	LABEL	0736259880

[illegible]

[illegible]

# LIMITED TWO YEAR WARRANTY

Carswell Import & Marketing Associates, Inc. (hereafter CIMA), sales agent for Fuji Robin Industries, Ltd. warrants each new Robin pole hedge trimmer 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 pole hedge trimmer 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 pole hedge trimmer including any defective part must be returned to an Authorized Robin Service Dealer within the warranty period. The expense of delivering the Robin pole hedge trimmer 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 pole hedge trimmer. 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 pole hedge trimmer that is used for rental or commercial purposes, or any other income-producing purpose.

This warranty does not cover any Robin pole hedge trimmer 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 pole hedge trimmer that is the result of improper maintenance or to any Robin pole hedge trimmer or parts that have not been assembled or installed as specified in the Robin Operator's Manual. The warranty does not cover any Robin pole hedge trimmer 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 pole hedge trimmer or adversely affect its operation, performance or durability.

Robin reserves the right to change or improve the design of any Robin pole hedge trimmer without assuming any obligation to modify any pole hedge trimmer previously manufactured.

ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE TWENTY-FOUR (24) MONTHS WARRANTY PERIOD OR NINETY (90) DAYS FOR POLE HEDGE TRIMMERS 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 POLE HEDGE TRIMMER 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 POLE HEDGE TRIMMER, 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 pole hedge trimmer 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

Fuji Robin Industries, Ltd.  
Numazu, Shizuoka, 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 alterations 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)



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

PLACE  
STAMP  
HERE

From \_\_\_\_\_

**CIM** CARSWELL IMPORT &  
MARKETING ASSOCIATES, INC.  
P.O. Box 4169, Winston-Salem, N.C. 27115



**FUJIROBIN INDUSTRIES LTD.**