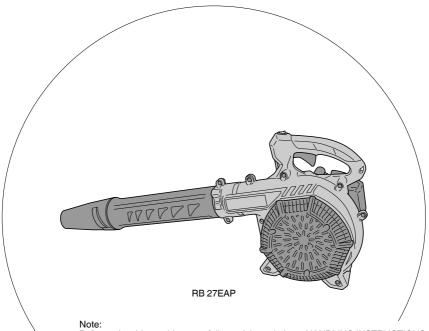


Blower Model RB 27EAP / RB 27EP

Handling instructions



Before using this machine, carefully read through these HANDLING INSTRUCTIONS to ensure efficient, safe operation. It is recommended that these INSTRUCTIONS be kept readily available as an important reference when using this machine.



MEANINGS OF SYMBOLS

NOTE: Some units do not carry them.

	Symbols A WARNING The following show symbols used for the machine. Be sure that you understand their meaning before use.					
	Blower	Т	Idle speed adjustment			
(S)	It is important that you read, fully understand before use, and observe the following safety precautions and warnings. Careless or improper use of the unit may cause serious or fatal injury.	<u>*</u>	Priming pump			
	Read, understand and follow all warnings and instructions in this manual and on the unit.	Lwa dB	Guaranteed sound power level			
	Always wear eye, head and ear protectors when using this unit.		Displacement			
[+]	Choke – Run position (Open)		Spark plug			
1	Choke – Start position (Closed)		Fuel tank capacity			
/START	On/Start	kg	Dry weight (without fuel, with all pipe)			
O/stop	Off/Stop	L _{pA, eq} ISO22868	Sound pressure level LpA by ISO 22868 Equivalent*			
	WARNING A DANGER Keep hands off from rotating fan.	L _{WA, Ra(M)} 2000/14/EC	Measured sound power level LwA by 2000/14/E0 Racing			
andiinklus,	WARNING ⚠ DANGER Hot surfaces; The muffler and surrounding cover may become extremely hot. Always keep clear of exhaust and muffler area, otherwise serious personal injury may occur.	L _{WA, Ra(G)} 2000/14/EC	Guaranteed sound power level LwA by 2000/14/EC Racing			
15m/50ttl	Keep all children, bystanders and helpers 15 m away from the unit. If anyone approaches you, stop the engine immediately.	a _{hv, eq}	Vibration level by ISO 22867 Equivalent*			
⊞)	Fuel and oil mixture	K	Uncertainty			

- Before using your machine

 Read the manual carefully.

 Check that the cutting equipment is correctly assembled and adjusted.

 Start the unit and check the carburetor adjustment. See "MAINTENANCE".

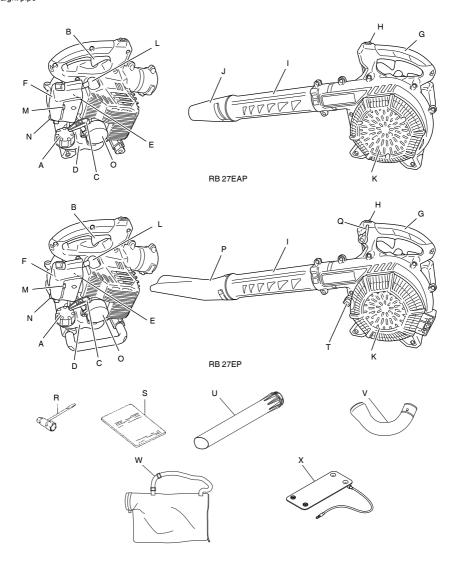
NOTE: Equivalent noise level / vibration level are calculated as the time-weighted energy total for noise / vibration levels under various working conditions with the following time distribution: * 1/7 Idle, 6/7 racing.

WHAT IS WHAT?

Since this manual covers several models, there may be some difference between pictures and your unit. Use the instructions that apply to your unit.

- A. Fuel cap
- B. Throttle trigger
- C. Starter handle
- D. Fuel tank
- E. Carburetor
- F. Air cleaner
- G. Handle
- H. Ignition switch
- I. Straight pipe

- J. Conic pipe
- K. Guard net
- L. Spark plug
- M. Choke lever
- N. Priming bulb
 O. Recoil starter
- P. Fan-headed pipe
- Q. Cruise lever
- Q. Cruise lever
 R. Combi box spanner
- S. Handling instructions
- Γ. Knob volt
- U. Vacuum pipe
- V. Bent pipe
- W. Dust bag
- X. Anti-static-electricity pad



WARNINGS AND SAFETY INSTRUCTIONS

Pay special attention to statements preceded by the following words:

∴ WARNING

Indicates a strong possibility of severe personal injury or loss of life, if instructions are not followed.

CALITION

Indicates a possibility of personal injury or equipment damage, if instructions are not followed.

NOTE

Helpful information for correct function and use.

Operator safety

- O Wear head protection (1). (Fig. 1)
- O Always wear a safety face shield or goggles (2). (Fig. 1)
- Wear approved hearing protection (3). (Fig. 1)
- Long-term exposure to noise can result in permanent hearing impairment.
 - Pay attention to your surroundings. Be aware of any bystanders who may be signaling a problem.
 - Remove safety equipment immediately upon shutting off engine.
- Always wear heavy, long-sleeved shirts (4) and long pants (5) and non-slip boots (6) and gloves (7). (Fig. 1)
 - Do not wear loose clothing, jewelry, short pants, sandals or go barefoot.
 - Secure hair so it is above shoulder length.



- Do not operate this tool when you are tired, ill or under the influence of alcohol, drugs or medication.
- Do not operate the tool at night or under bad weather conditions when visibility is poor. And do not operate the tool when it is raining or right after it has been raining.
 - Working on slippery ground could lead to an accident if you lose your balance.
- O Never let a child or inexperienced person operate the machine.
- O Do not start the engine if there are any flammables such as dry leaves, waste paper or fuel in the vicinity.
- Never start or run the engine inside a closed room or building.
 Breathing exhaust fumes can kill.
- O Keep handles free of oil and fuel.
- O Keep hands away from moving part or heated area.
- O Do not grab or hold the unit by the blow pipe.
- When the unit is turned off make sure the engine has stopped before the unit is set down.
- When operation is prolonged, take a break periodically so that you may avoid possible Hand-Arm Vibration Syndrome (HAVS) which is caused by vibration.

⚠ WARNING

- Always operate the tool with proper protective equipment and clothing. Failure to do so may result in accidents such as burns or injuries. (Fig. 1)
- Do not touch the spark plug area or high voltage during operation. Doing so may result in electric shock.
- Do not allow children near the tool during operation.
- O Do not touch the engine, top cover or exhaust vent during or shortly after operation. Doing so may result in burn or injury.
- Antivibration systems do not guarantee that you will not sustain Hand-Arm Vibration Syndrome or carpal tunnel syndrome. Therefore, continual and regular users should monitor closely the condition of their hands and fingers. If any of the above symptoms appear, seek medical advice immediately.
- O Since this product is engine driven, make sure to wear the proper protective equipment to minimize the effects of vibration and sound to your body. Limit a single continuous operation between 30 to 40 minutes, and rest for 10 to 20 minutes. Also, limit your day's work time to 80 minutes.
- If you are using any medical electric/electronic devices such as a pacemaker, consult your physician as well as the device manufacturer prior to operating any power equipment.
- O If trash or collected waste including fallen leaves become trapped in the machine, make sure to cut the engine and remove the debris before resuming use. Using the machine without removing the obstructions may result in damage.

Unit/machine safety

- O Inspect the entire unit/machine before each use. Replace damaged parts. Check for fuel leaks and make sure all fasteners are in place and securely tightened.
- Replace parts that are cracked, chipped or damaged in any way before using the unit/machine. Faulty parts may increase the risk of accidents and may lead to an injury.
- Keep others away when making carburetor adjustments.
- Use only accessories as recommended for this unit/machine by the manufacturer.
- O Before operation, make sure that there are no tools such as the adjustment key or spanner still attached to the unit.

⚠ WARNING

- Never modify the unit/machine in any way. Do not use your unit/machine for any job except that for which it is intended.
- Non-authorized modifications and/or accessories may result in serious personal injury or the death of the operator or others.
- O The guard net must be firmly fixed in place.

Fuel safety

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- Mix and pour fuel outdoors and where there are no sparks or flames.
 - Use a container approved for fuel.
- O Move at least 3 m away from fueling site before starting engine.
- Stop engine before removing fuel cap. Do not remove the fuel cap during operation.
- Empty the fuel tank before storing the unit/machine. It is recommended that the fuel be emptied after each use. If fuel is left in the tank, store so fuel will not leak.

\triangle WARNING

- O Fuel is easy to ignite or get explosion or inhale fumes, so that pay special attention when handling or filling fuel.
- Do not smoke or allow smoking near fuel or the unit/machine or while using the unit/machine.
- O Wipe up all fuel spills before starting engine.
- Store unit/machine and fuel in area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc.
- When using the unit in dry areas, make sure that fire extinguishing equipment is readily available.
- If you shut off the engine for refueling, make sure the unit has cooled down before adding fuel.

Blowing safety

- O Operate unit/machine only at reasonable hours not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances. Usual recommendations are 9:00 a.m. to 5:00 p.m., Monday through Saturday.
- Never direct discharge of air toward bystanders nor allow anyone near the area of operation. Use care in directing discharge to avoid glass enclosures, automobiles, etc.
- O Check the work area and surroundings for empty cans, metal pieces and other obstructions which could cause injury, accident or damage. If there are any of these objects in the area, remove them in advance.
- Stay alert for uneven sidewalks, holes in terrain or other unstable condition when using the tool.
- Take all possible precautions when leaving the tool unattended such as stopping the engine.
- O Never operate the tool without blow pipes or other protective device in place. (If so equipped.)
- Keep others including children, animals, bystanders and helpers outside the 15 m hazard zone. Stop the engine immediately if you are approached.
- Please exercise caution as engine startup may be delayed after pulling the starter handle.
- Always keep the engine on the right side of your body.
- Keep firm footing and balance. Do not over-reach.
 Losing your balance during work may lead to an injury.
- Keep all parts of your body away from the muffler when the engine is running.
- Always carry a first-aid kit when operating any power equipment.
- Avoid prolonged use at low speed range in which vibration is high. Doing so may result in engine damage.
- When relocating to a new work area, or inspecting, adjusting or exchanging the unit's accessories, etc., be sure to shut off the machine.
- O Never place the machine on the ground when running.
- If you accidentally bump or drop the unit, inspect it immediately to make sure there are no damage, cracks or deformations.
- If the tool is operating poorly and produces strange noise or vibrations, turn off the engine immediately and ask your dealer to have it inspected and repaired.
 - Continued use under these conditions could lead to injury or tool damage.
- Use in accordance with local laws and regulations.
- Loosen deposits with a rake or a broom before starting any exhaust or vacuum work.

⚠ WARNING

Work from ladders or high place (such as roofs) is prohibited and could result in severe injury.

Maintenance safety

- Maintain the unit/machine according to recommended procedures.
- Disconnect the spark plug before performing maintenance except for carburetor adjustments.
- Keep others away when making carburetor adjustments.
- Use only genuine HiKOKI replacement parts as recommended by the manufacturer.

CAUTION

Do not disassemble the recoil starter. There is a possibility of personal injury with recoil spring.

∄ WARNING

Improper maintenance could result in serious engine damage or in serious personal injury.

Transport and storage

- Carry the unit/machine by hand with the engine stopped and the muffler away from your body.
- O Allow the engine to cool, empty the fuel tank, and secure the unit/machine before storing or transporting. Failure to do so may result in fire or accidents.

- O Empty the fuel tank before storing the unit/machine. It is recommended that the fuel be emptied after each use. If fuel is left in the tank, store so fuel will not leak.
- O Store unit/machine out of the reach of children.
- Clean and maintain the unit carefully and store it in a dry place.

 Make sure engine switch is off when transporting or storing.
- O You have to secure the machine during transport to prevent loss of fuel, damage or injury.
- If a warning label cannot be read, peels off or becomes indistinct, replace it with a new one. To purchase new labels, contact HiKOKI Authorized Service Centers.

If situations occur which are not covered in this manual, take care and use common sense. Contact HiKOKI Authorized Service Centers if you need assistance.

SPECIFICATIONS

	Model	RB27EAP	RB27EP	
	(cm ³)	26.9		
	I	TORCH L7RTC (NGK BPMR7A)		
kg	(kg)	4.2	4.4	
	(cm ³)	400		
L _{pA, eq} /K	(dB(A))	97 / 1.8		
L _{WA, Ra(M)}	(dB(A))	107		
L _{WA, Ra(G)}	(dB(A))	108		
a _{hv, eq} / K	(m/s ²)	12.0 / 1.0		

ASSEMBLY PROCEDURES

∴ WARNING

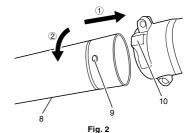
Make sure the engine is turned off/stopped and not hot before assembly.

Blow pipes to main body (Fig. 2)

Inspect the main body and accessories.

Connect straight pipe (8) securely. Align projection (9) in straight pipe with groove (10) on blower housing and slide the pipe into the blower housing.

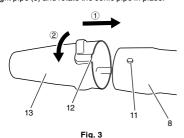
Rotate the pipe clockwise to lock it into place.



Nozzle to straight pipe (Fig. 3 - 4)

[RB27EAP]

O Align groove (12) on the conic pipe (13) and projection (11) on straight pipe (8) and rotate the conic pipe in place.



[RB27EP]

Align groove (12) on the Fan-Headed pipe (14) and projection (11) on straight pipe (8) and rotate the Fan- Headed pipe in place.

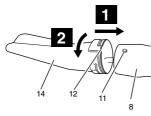


Fig. 4

Vacuum assembly [RB27EP]

NOTE ; Safety future

If you try to open the guard net (15) when engine is running, it will automatically stop the engine. (**Fig. 5**)

But never try to open the guard net (15) when engine is running even with this future, otherwise serious personal injury may occur.

Vacuum pipe to main body

Loosen knob bolt (16). (Fig. 5)

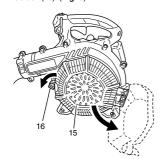


Fig. 5

Align the arrow(21) on the vacuum pipe (20) and the arrow (18) on the fan case (17) as shown Fig. 6. (Fig. 6, 7)

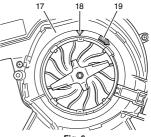
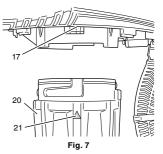
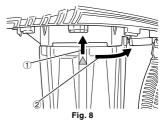


Fig. 6



Slide(1) the vacuum pipe into the fan case, and then rotate(2) the vacuum pipe clockwise(19) as shown Fig. 6 until it clicks.
 (Fig. 8)



Bent pipe and dust bag to main body

 Connect bent pipe (22), Align projection (23) in bent pipe with groove (10) on blower housing and slide the pipe onto the blower housing. Rotate the pipe clockwise to lock it into place. (Fig. 9)

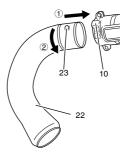
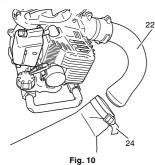


Fig. 9

 Connect the dust bag to the installed bent pipe (22) by inserting the thinner part of the pipe into the opening of the bag. Fasten the adjuster (24) securely by taping the end of the sawn strap. (Fig. 10)



⚠ WARNING

Always connect dust bag (26) to bent pipe (22).

Never try to connect directly to main body (25), otherwise dust bag might approach near exhaust of muffler and it might cause fires or injuries. (Fig. 11)

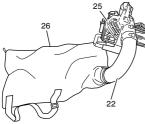


Fig. 11

CAUTION

Static electricity may be generated while vacuuming. Prior to engaging in the task, attach the anti-static-electricity pad (27) to the handle and make sure to grip the pad when vacuuming.

 Connect the terminal extending from the engine (28) to the terminal of the anti-static-electricity pad (29). Next, attach the anti-static-electricity pad (27) to the handle as shown in the Fig. 12.

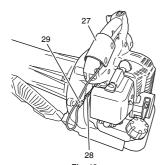
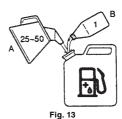


Fig. 12

OPERATING PROCEDURES

Fuel (Fig. 13)



⚠ WARNING

- The unit/machine is equipped with a two-stroke engine. Always run the engine on fuel, which is mixed with oil.
 Provide good ventilation, when fueling or handling fuel.
- Fuel contains highly flammable and it is possible to get the serious personal injury when inhaling or spilling on your body.
 Always pay attention when handling fuel. Always have good ventilation when handling fuel inside building.

Fua

- O Always use branded 89 octane unleaded gasoline.
- Use genuine two-cycle oil or use a mix between 25:1 to 50:1, please consult the oil bottle for the ratio or HiKOKI Authorized Service Centers.
- If genuine oil is not available, use an anti-oxidant added quality oil expressly labeled for air-cooled 2-cycle engine use (JASO FC GRADE OIL or ISO EGC GRADE). Do not use BIA or TCW (2-stroke water-cooling type) mixed oil.
- O Never use for four-stroke engine oil or waste oil.
- O Always mix fuel and oil in a separate clean container.

Always start by filing half the amount of fuel, which is to be used. Then add the whole amount of oil. Mix (shake) the fuel mixture. Add the remaining amount of fuel.

Mix (shake) the fuel-mix thoroughly before filling the fuel tank.

Fueling

⚠ WARNING

- O Always shut off the engine and let it cool for a few minutes before refueling.
- Slowly open the fuel tank, when filling up with fuel, so that possible over-pressure disappears.
- O Tighten the fuel cap carefully, after fueling.
- Always move the unit at least 3 m from the fueling area before starting.
- O Do not smoke and/or allow flames or sparks near fuel when handling or filling fuel.
- Always wash any spilled fuel from clothing immediately with soap.
- O Be sure to check for any fuel leakage after refueling.

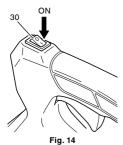
Before fueling, clean the tank cap area carefully, to ensure that no dirt falls into the tank. Make sure that the fuel is well mixed by shaking the container, before fueling.

Starting

CAUTION

Do not start if the pipe and guard net is obstructed.

- (1) Starting the cold engine
- 1. Check the switch (30) to ON position. (Fig. 14)



 Push priming bulb (31) about ten times so that fuel flows into carburetor. (Fig. 15)

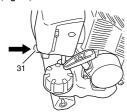
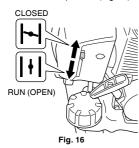


Fig. 15

3. Set choke lever to CLOSED position. (Fig. 16)



 Pull starter handle briskly, taking care to keep the handle in your grasp and not allowing it to snap back. (Fig. 17)



Fig. 17

- When you hear the engine want to start, return choke lever to RUN position (open).
- 6. Then pull starter handle briskly again.

NOTE

If engine does not start, repeat procedures from 2 to 6.

- After starting engine, allow the engine about 2–3 minutes to warm up before subjecting it to any load.
- (2) Starting the warm engine

Use only 1, 2 and 6 of the starting procedure for a cold engine. If the engine does not start, use the same starting procedure as for a cold engine.

Operating blower (Fig. 18)

- O A low speed should be used to blow leaves and dry grass.
- A medium speed should be used to clean wet leaves and grass.
 A high speed should be used when moving gravel, dirt or other
- heavy materials.

 O When working in a dusty area, hose down the area with water.



⚠ WARNING

- O Do not direct discharge of air toward people or pet.
- O The unit should be operated in a well ventilated area.
- O Never perform assembly or disassembly procedures with engine running or serious personal injury may result.
- Never touch muffler, spark plug, or other metallic parts while engine is in running or immediately after shutting off engine.
- O Do not use this blower indoors.
- O Do not operate if there is an open window near the work area and its surroundings.

CAUTION

This blower has been designed and adjusted to be used with blowing pipes attached. It must never be operated without the straight pipe.

NOTE

Blowing Pipe Selection

. Straight Blowing Pipe

Allows operation at maximum blow capacity.
Suitable for operation in widespread areas, engine revolution is kept at a minimum, resulting in improved fuel consumption when compared with the conic/fan-shaped blowing pipe.

The straight blowing pipe is recommended for normal use.

Conic/Fan-Shaped Blowing Pipe

Allows operation at maximum blow speed.

Ideal for blowing wet leaves stuck to the ground or releasing a powerful air discharge in limited spaces.

Operating vacuum (Fig. 19)

∴ WARNING

Do not vacuum bottles, cans or any other hard materials, which may cause damage or serious injuries.

- Do not use a bag with holes or tears in it. Even a small hole can cause a lot of dust to come out. Repair or replace it immediately.
- O Make sure zipper of the bag is completely closed.

- 0 Wear shoulder strap over right or left shoulder.
- Make sure bevel at end of suction pipe faces downward.
- 0 The unit should be operated in a well ventilated area.
- Use rakes and brooms to loosen debris before vacuuming.
- A low speed should be used to vacuum small leaves and dry grass.
- 0 A medium speed should be used to vacuum large leaves and grass.
- A high speed should be used to vacuum larger or wet leaves and grass.
- Dispose of debris in the bag more frequently in dusty condition.



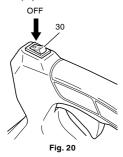
Fig. 19

NOTE

When you hear or feel strange sound or vibration, stop engine immediately and check if anything blocks fans or pipes, If so, remove it and check for damage.

Stopping (Fig. 20)

Decrease engine speed and run at an idle for a few minutes, then turn off ignition switch (30).



MAINTENANCE

MAINTENANCE, REPLACEMENT OR REPAIR OF THE EMISSION CONTROL DEVICES AND SYSTEMS MAY BE PERFORMED BY ANY NON-ROAD ENGINE REPAIR ESTABLISHMENT OR INDIVIDUAL.

Carburetor adjustment (Fig. 21)

The carburetor is a precision part that mixes air and fuel, and it is designed to ensure high performance from the engine. Before the tool is shipped from the factory, its carburetor is adjusted during a test run. Only make adjustments if it is necessary because of environmental conditions (the climate or atmospheric pressure), the type of fuel, the type of two-cycle oil, etc.

⚠ WARNING

- Because the carburetor is manufactured with a high degree of precision, do not disassemble it.
- For this product, the only setting of the carburetor that can be adjusted is the idle speed (T).

Idle speed adjustment (T)

Check that the air filter is clean. If adjustment is required, turn IDLE speed Adjustment Screw (T) close (clockwise) to increase engine speed, open (counterclockwise) to decrease engine speed. Standard Idle rpm is 2800-3200 rpm.

CAUTION

The above adjusting procedure must be followed when adjustment is MADE or DAMAGE to engine will occur because of the incorrect condition.

NOTE

Some models sold areas with strict exhaust emission regulation do not have high and low speed carburetor adjustments. Such adjustments may allow the engine to be operated outside of their emission compliance limits. For these models, the only carburetor adjustment is idle speed.



Fia. 21

RECOMMENDATION

CARBURETOR ADJUSTMENT NEEDS THE SKILL OF **EXPERIENCED** OR WELL TRAINED PEOPLE, OR RECOMMENDED TO TAKE THE UNIT TO HIKOKI AUTHORIZED SERVICE CENTERS.

Air filter (Fig. 22)

The air filter must be cleaned from dust and dirt in order to avoid:

- Carburetor malfunctions
- 0 Starting problems
- 0 Engine power reduction
- 0 Unnecessary wear on the engine parts Abnormal fuel consumption

Clean the air filter daily or more often if working in exceptionally dusty areas.

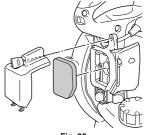


Fig. 22

Cleaning the air filter

Open the air filter cover and remove the air filter. Clean it. Check that the filter is dry before reassembly. An air filter that has been used for some time cannot be cleaned completely. Therefore, it must regularly be replaced with a new one. A damaged filter must always be replaced.

Fuel filter (Fig. 23)

Remove the fuel filter from the fuel tank, and replace it if it is dirty.

A blocked fuel filter can prevent the supply of fuel and cause a rotation malfunction of the engine.

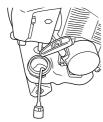


Fig. 23

Spark plug (Fig. 24)

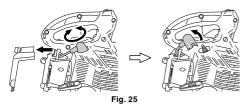
When removing the spark plug, twist and remove the plug cap covering the spark plug as shown in the illustration. (Fig. 25)

The spark plug condition is influenced by:

- O An incorrect carburetor setting
- O Wrong fuel mixture (too much oil in the gasoline)
- O A dirty air filter
- O Hard running conditions (such as cold weather)

These factors cause deposits on the spark plug electrodes, which may result in malfunction and starting difficulties. If the engine is low on power, difficult to start or runs poorly at idling speed, always check the spark plug first. If the spark plug is dirty, clean it and check the electrode gap. Re-adjust if necessary. The correct gap is 0.6 mm. The spark plug should be replaced after about 100 operation hours or earlier if the electrodes are badly eroded.





NOTE

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

For long-term storage

Drain all fuel from the fuel tank. Start and let engine run until it stops. Repair any damage which has resulted from use. Clean the unit with a clean rag, or the use of high pressure air hose. Put a few drops of two-cycle engine oil into the cylinder through the spark plug hole, and spin the engine over several times to distribute oil. Cover the unit and store it in a dry area.

Maintenance schedule

Below you will find some general maintenance instructions. For further information please contact your HiKOKI Authorized Service Centers.

Daily maintenance

- O Clean the exterior of the unit.
- O Check that the air intake at the guard net is not clogged.
- Check the guard net for damage or cracks. Change the guard net in case of impacts or cracks.
- O Check that nuts and screws are sufficiently tightened.

Weekly maintenance

- O Check the starter, especially the cord.
- Clean the exterior of the spark plug.
- Remove the spark plug and check the electrode gap. Adjust it to 0.6 mm, or change the spark plug.
- O Clean the air filter.

Monthly maintenance

- O Rinse the fuel tank with gasoline, and clean fuel filter.
- O Clean the exterior of the carburetor and the space around it.

Quarterly maintenance

- O Clean the cooling fins on the cylinder.
- Clean the fan and the space around it.
- O Clean the muffler of carbon.

CAUTION

Cleaning of cylinder fins, fan and muffler shall be done by a HiKOKI Authorized Service Center.

SELECTING ACCESSORIES

The accessories of this machine are listed on page 11.

SELECTING ATTACHMENTS

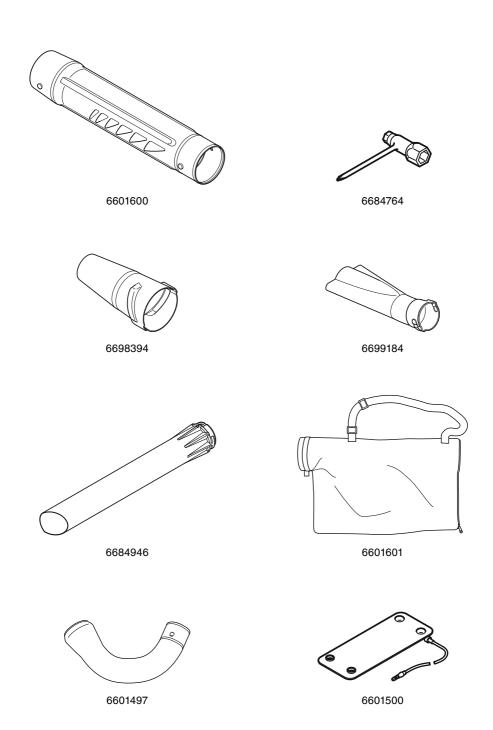
Recommended accessories for each model are presented in the table below.

For purchases, contact HiKOKI Authorized Service Centers.

Please check carefully as those accessories not marked with "O" cannot be attached.

List of recommended accessories

Code No.	Description	RB27EAP	RB27EP
6601600	NOZZLE (A)	•	•
6698394	NOZZLE (B)	•	•
6699184	FAN-HEADED PIPE	•	•
6684946	VACUUM PIPE	-	•
6601497	BENT PIPE	-	•
6601601	DUST BAG	-	•
6601500	EARTH GRIP	-	•



Koki Holdings Co., Ltd.