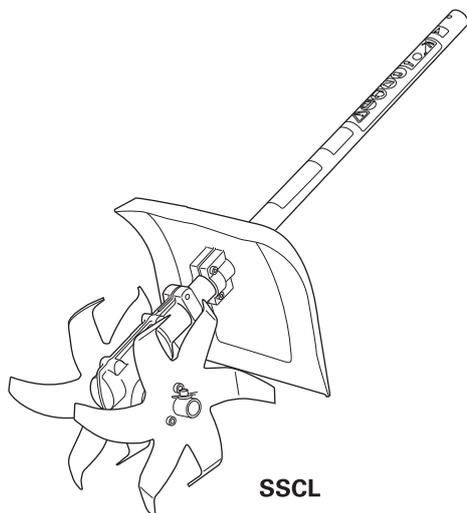


Cultivator Attachment SSCL

Instruction Manual

Original Instruction

Contents



Important Information	2
1. Safety	4
1.1 Warnings	4
1.2 General Precautions	6
1.3 Safety Devices and Protective Guard	13
1.4 Protective Equipment	14
1.5 Noise	14
1.6 Vibration	14
2. Outline	15
2.1 Name of Parts and Their Functions	15
2.2 Specification	15
2.3 Packaged Materials	16
2.4 Position of Model Code and Serial No. ..	17
2.5 Consumables	17
3. Installation	18
3.1 Installation Method	18
4. Operation	21
4.1 Transporting method	21
4.2 Pre-operation Check	23
4.3 Start and Stop	24
4.4 Precautions for Operation	25
4.5 Cultivation	26
4.6 Actions after Operation	28
5. Maintenance	29
5.1 Greasing	29
5.2 Replacement of Blade	30
6. Storing	34
7. Waste Disposal	36
8. Troubleshooting	37
9. Service after Sales	38
10. Technical data	39
EC Declaration of Conformity (Applies to Europe only)	40

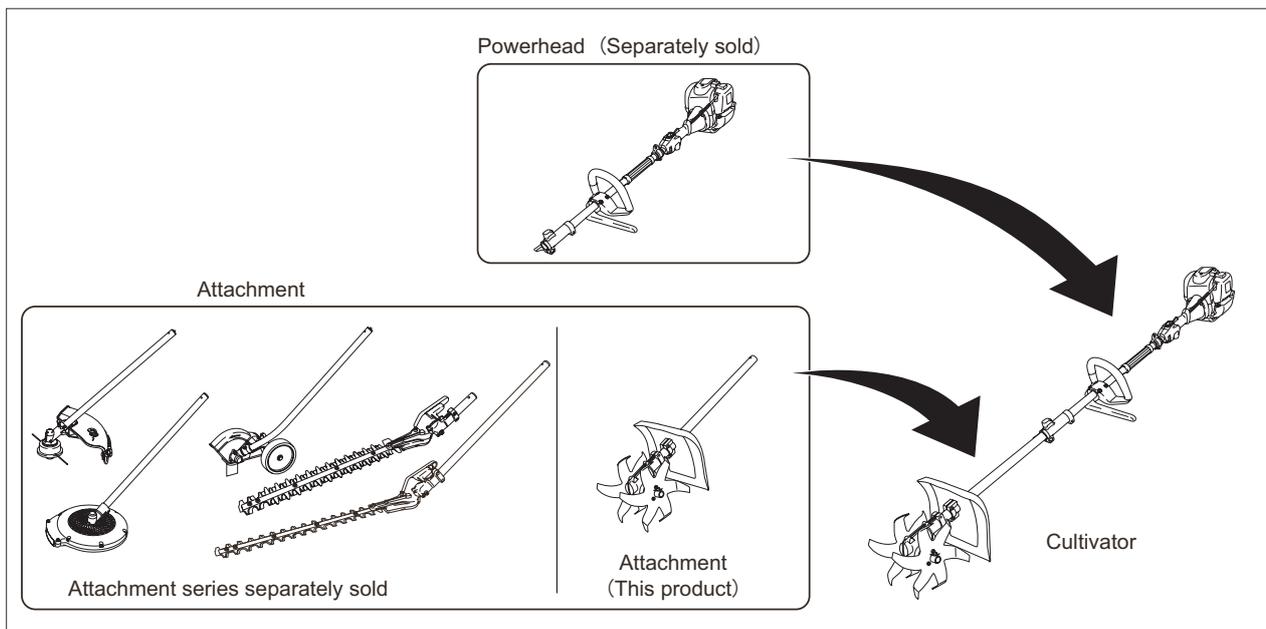
For Safe Use of Cultivator Attachment

- Be sure to read this manual and the powerhead (separately sold) manual to have a good understanding of the contents before handling the cultivator
- Keep this manual and the powerhead manual carefully in a readily accessible location.

Important Information

Intended Purpose

This product (hereinafter referred to as a attachment) is designed to be attached to the powerhead (to be purchased separately) for cultivation such as intertillage, eradicating weeds and piling up with earth. The cultivator is attached to our approved powerhead. Do not use the cultivator for any other purpose or in any other way.



General

- Refer to the powerhead manual for further information on handling the powerhead.
- When handling the cultivator, observe all the applicable safety rules, standards or regulations in the area where the cultivator is used.
This cultivator is designed and produced according to the standards and regulations applied in the purchase country, assuming that the use is limited to the purchase country only. It will not comply with standards and regulations of other countries.
Do not export or resell the cultivators to any other countries because the languages are different.
- Before use, read this instruction manual thoroughly, and have a good understanding of the contents. Do not allow any person who does not understand the contents of this manual to handle this cultivator.
- Do not take any actions other than those described in this manual and the powerhead manual.

Important Cautions for Safe Work

- NIKKARI Co., Ltd. (hereinafter referred to as NIKKARI) cannot foresee all the risks in handling the cultivator. Therefore, also give consideration to general safety measures not stated in this manual to prevent accidents when handling the cultivator.
- The cultivator is a high-speed tool for cultivation. To decrease risk of personal injury, special safety precautions must be observed. If it is used carelessly or inappropriately, the blade could hit your hands or body, which may result in a serious injury such as cutting of hands or fingers.

Important Cautions for Instruction Manual

- This instruction manual is copyrighted and all rights are reserved. This instruction manual, in whole or part, may not be copied, translated or reproduced to any electronic medium or machine readable without prior written consent from NIKKARI.
- The contents described in this instruction manual and powerhead manual are subject to change without prior notice.
- Illustrations or figures shown in this instruction manual may partially differ from your cultivator.
- In case of hand over or rent of the cultivator, instruct to have a good understanding of the contents of this instruction manual and powerhead manual before starting any work. Be sure to submit this manual and the manual of the powerhead to which the attachment is installed to the customer.
- If this instruction manual or powerhead manual is lost or damaged, order from sales agency immediately.
- If you have any questions about descriptions in this manual or powerhead manual, contact the sales agency.
- The names of companies and products described in this manual are generally trademarks or registered trademarks of each company.

1. Safety

1.1 Warnings

For appropriate use of the cultivator, follow the instructions in this manual. Warning labels are attached to places where there are potential risks or in the periphery. The warnings in this instruction manual and the warning labels are categorized depending on the degree of risk as shown in the table below.

1.1.1 Warning Description

Signal words in this instruction manual are categorized as shown below. If the warning for each signal word is ignored, serious injury or fatal injury may result.

■ Meanings of signal words

 DANGER	Indicates an immediately hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in mild to moderate injury or property damage.
 Note	Indicates to emphasize important information or provide helpful information.

■ Meanings of symbols

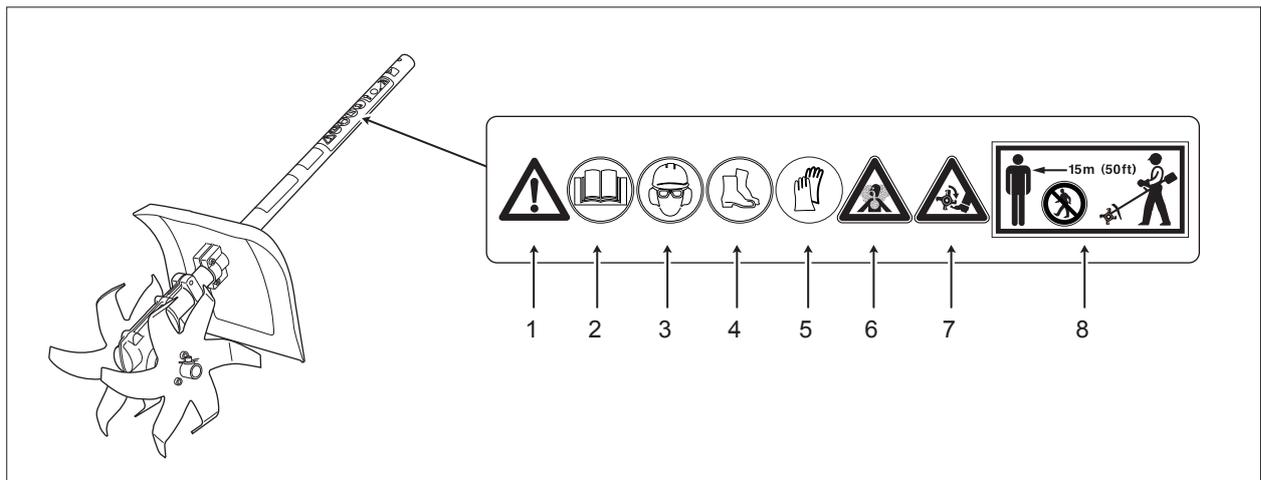
	Caution Sign	Indicates that hazardous situation may result due to negligence of instructions. The hazards are designed into pictorial indication inside the symbol.
	Prohibition Sign	Indicates prohibition of dangerous action. Prohibited actions are designed into pictorial indication inside or by the symbol.
	Enforcement Sign	Indicates enforcement of actions. Actions to be enforced are designed into pictorial indication inside the symbol. This action is required to avoid hazard.

1.1.2 Warning Labels

■ Cautions for Handling

- (a) This cultivator is provided with warning labels to indicate important cautions. Understand the meanings of the warning labels thoroughly and work in a safe environment without accident or failure.
- (b) Do not operate the cultivator until you have a good understanding of the meanings of the warning labels. If you do not understand well about the meanings, contact the sales agency.
- (c) Be sure to observe the warning labels and warning messages in the instruction manual at all times to handle the cultivator.
- (d) Do not remove or damage the warning labels. Also, do not clean the warning labels with solvent.
- (e) Do not paint the warning labels when repainting the cultivator.
- (f) If the warning labels become illegible, damaged or removed, purchase new ones from the sales agency, and attach them in accordance with the “■ Attached Location and Warning Labels.”

■ Attached Location and Warning Labels



1	Carefully check the right warning labels and observe them.
2	Be sure to read the instruction manual and completely understand it before use.
3	Wear personal protective equipment for eyes, ears, and head during operation.
4	Wear protective shoes during operation.
5	Wear gloves during operation.
6	Physically-harmful carbon monoxide is included in exhaust gases. Do not use at the inadequately ventilated place.
7	If the rotating blade hits your hands or legs, it could result in a serious injury such as cutting of fingers or legs.
8	Keep persons and animals out of the area within a radius of 15 meters from the cultivator during operation.

1.2 General Precautions

1.2.1 Overall Precautions

When handling the cultivator, follow the precautions of the powerhead manual in addition to the following precautions.

DANGER



Do not use the cultivator when you are tired or under the influence of alcohol or other drugs.

* You will be distracted or not be able to use the cultivator appropriately, causing a serious accident.

Do not use the cultivator with the rotary cover removed.

* Otherwise, it will cause a serious accident by scattered stones.



Make sure that the knob bolt at the connection is tightened when installing the attachment.

* The attachment will come off, resulting in a serious accident.

WARNING



Do not use the cultivator for any purpose other than cultivating.

* Otherwise, it could cause unexpected injury, and damage the cultivator.

Do not allow minors to operate the cultivator.

* Otherwise, a serious accident could happen.

Do not modify the cultivator.

* It could deteriorate the performance, resulting in a serious accident due to deterioration on safety.

Do not install any unapproved powerhead to this attachment.

* The attachment could come off during use, resulting in a serious accident.

Do not remove the safety devices.

* Otherwise, it could cause serious accident due to deterioration on safety.

Do not touch the blade during operation.

* It could cause injury.



When renting or handover the cultivator to any third person, attach the instruction manual.

* If it is not used appropriately, it could cause serious injury.

1.2.2 Precautions on Clothes

WARNING



Wear a hard hat during cultivating or transportation.

* Otherwise, it could cause injury to head.

Wear appropriate personal protective equipment when using the cultivator.

* Otherwise, injury may result.

Wear goggles when using the cultivator. It is recommended to also use a face shield (or face screen) together.

* If they are not used, it could cause eye injury due to scattering of sand or stone, etc.

Wear the hearing protective equipment including ear muffs when using the cultivator.

* Hearing loss could be developed due to the noise of the engine.

1.2.3 Precautions before Operation

DANGER



Do not allow children or animals to enter the working range of the cultivator (within 15m).

* Otherwise, a serious accident will happen.



Make sure that the cultivator is operated normally or there is not any part missing or cracking before starting the operation.

Especially check the looseness of the connections, screws and nuts, and fuel leakage.

* Otherwise, it will cause serious accident.

Before starting the operation or when hitting the cultivator against something hard such as stones, make sure that the knob bolt of powerhead connections is not loosened.

* Otherwise, it will cause the attachment to fall off, which could result in a serious accident.

Make sure that the knob is returned to the specified position when installing the cultivator.

* The attachment could come off.

WARNING



Do not operate the cultivator near the electric cable.

* Otherwise, it could cause electric shock



Check the condition of the blade and screws, pins and R pins before/after the cultivating.

* If it is used with cracks or looseness, the blade could chip off and the pieces of the blade could hit a person, resulting in injury.

⚠ WARNING



Keep away the movable thing from working area.

Cover the immovable thing with the heavy-duty sheets or do not operate at the area.

* If it is operated near the car and the building, it could cause the cultivator to be damaged by scattering of gravel stone , etc.

When there is any obstacle (wires, etc.) which cannot be removed near the branches to be cut, cut the branches while taking care so as not to allow the blade to get contact with such obstacle during cutting.

* Otherwise, a person could fall down due to the impact and get contact with the blade, resulting in serious injury. Or the scattered pieces of obstacles could get in your eyes, resulting in injury such as sight loss.

⚠ CAUTION



If the edge of the blade is blunt or damaged, do not operate the cultivator.

It could cause damage to the cultivator due to overloading.



When working near the car or building, keep the things around away from the working area.

Cover the immovable thing with the heavy-duty sheets or do not operate at the area.

* If it is operated near the car and the building, scattered gravel stone, etc. could cause damage.

Check if there is any obstacle (empty cans, wires, pebbles, bands, etc.) or not. If there is any obstacle, remove it before operating the cultivator.

* Scattering of the broken pieces of the damaged blade, etc. could result in injury accident.

Foreign substance such as wires and bands could be caught in the blade, breaking the blade or gears.

1.2.4 Precautions at Start of Operation

⚠ DANGER



The cultivator must be started in a non-slippery and firm place.

* Otherwise, it will cause falling, resulting in a serious accident.

⚠ WARNING



Do not use the cultivator in water.

* Otherwise, it could cause a slip and fall, resulting in injury.
Or, it could damage the cultivator.

Do not use the cultivator on a stony place.

* Otherwise, it could cause a slip and fall, resulting in injury.
Or, it could damage the blade.

WARNING



The cultivator must be started or operated by one person.

- * If it is operated by more than one person, it could miss-handled, and it could contact with a person or objects, resulting in accident.

CAUTION



When starting the cultivator, make sure that the blade is not touching the ground or objects.

- * You could fall down due to the impact, causing contact with the blade, resulting in a serious injury.
Or objects could scatter, causing injury such as sight loss.

1.2.5 Precautions for Operation

WARNING



Do not operate the cultivator on insecure footings.

- * Otherwise, you will fall off the footing, drop the cultivator or get contact with the blade by inappropriately handling it, resulting in accident

Do not operate the cultivator in a closed area.

- * Otherwise, the exhausted gas could affect your health.

Do not operate the cultivator under poor visibility including after sunset or in the early morning.

- * Otherwise, it could cause accidents such as contact with some objects or falling off

Do not use the cultivator continuously for a long time.

- * If it is operated continuously for a long time, vibration induced white finger could be developed.

Do not operate the cultivator by one hand.

- * Otherwise, you could drop the cultivator or get contact with the blade by inappropriate handling, resulting in accident.

If the blade starts moving while idling, do not use the cultivator.

- * Otherwise, it could cause an accident.

Do not perform cultivating at the position that is higher than the knees when using the cultivator.

- * Otherwise, you could not hold the cultivator appropriately or trip over, resulting in injury of head.

Do not hit the blade against something hard (rocks, stones, stumps, trees, wedges, pillars, concrete, metals, fragments, etc.)

- * It could kickback and cause an operator or persons around to suffer a bruise or cause property damage.

WARNING



While cultivating, put up a KEEP OUT sign in a prominent place to prevent any third person from entering within 15m of the working area.

* Otherwise, a serious accident may happen.

Concentrate on the work during cultivating without standing talking.

When doing the other work out of necessity, stop the engine before performing.

* Unless concentrating on the cultivating work, the operator could be injured unexpectedly because of loss of concentration.

.Use blades specified by the manufacturer.

* If any blade other than that specified is used, the blade could be damaged or it could come off, resulting in injury to the operator.

Remove obstacles, and watch your step when operating the cultivator.

* If the footing is insecure, an accident due to tripping over or falling could happen.

Make sure that the blade is not cracked/damaged, the screws are not loosened or pins/Rpins are not damaged when the blade against hit something hard.

* Otherwise, pieces of the blade may scatter or the blade itself could fly over, causing injury to the operator.

When turning around or changing position, the operator should move slowly so that the blade does not get contact with people and objects around.

* Otherwise, it could cause injury to the person or damage to objects by contact with the blade, or the operator could fall down by the kickback of the equipment.

Use the harness.

* If the cultivator is dropped because of the kickback, the operator's hands or fingers could be severed by the blade.

When the blade stops because it is tangled with bands, wires and grasses etc., remove these things after making sure that the engine is stopped and the blade is completely stopped.

* When the rotating speed of the engine increases, hands or fingers could be severed by the blade.

CAUTION



When the blade is tangled with bands, wires and grasses, etc., remove these things.

* If it is used with the bands, wires and grasses, etc., the oil seal wears and the R pin comes off, which could cause injury.

1.2.6 Precautions for Maintenance

WARNING



Before carrying out the maintenance, repair or cleaning, stop the engine, remove the attachment from the powerhead, and then remove the blade.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or blade.

Do not perform any maintenance or repair other than those described in the instruction manual. Request the sales agency.

* Otherwise, an accident could happen.

Before carrying out the maintenance, stop the engine and make the transmission case or engine cooled down.

* The cultivator has the driving part and the high temperature part. When you get contact with these parts, you could suffer injury and burn injury, etc.

CAUTION



Contact the sales agency for replacement or sharpening of a blade.

* If the customer replace or sharpened the blades by himself, the blade could break or come off, which could result in injury.

Wear gloves when handling the blade during the replacement, etc.

* Otherwise, hands or fingers could be injured by contact with the corner of the blade or sharp blade tip.

Use a designated grease Fuchs Lubricants: GEARMASTER LXG 00 or equivalent.

* Otherwise the gears, etc. could be damaged.

1.2.7 Precautions for Troubleshooting

DANGER



When troubleshooting, stop the engine and then remove the attachment from the powerhead.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or blade.

1.2.8 Precautions for Transporting

WARNING



Do not transport the cultivator by a bicycle and a motorbike.

* Otherwise, the cultivator could fall off, resulting in injury or damage of the cultivator.



When transporting the cultivator, wear appropriate clothes and personal protective equipment.

* Otherwise, it could cause injury.

Before transporting the cultivator, stop the engine, and make sure that the blade is stopped.

* Otherwise, body, hands or fingers could be severed or objects could be damaged by contact with the blade.

When transporting the cultivator, install it to a harness or keep the balance with the shaft tube.

* Otherwise, the cultivator could fall off, resulting in injury or damage of the cultivator.

Remove obstacles, and watch your step when transporting the cultivator.

* If the footing is insecure, an accident due to tripping over or falling could happen

Before transporting the cultivator put on the back of the truck, etc., remove the attachment from the powerhead, remove the blade, and then fix the attachment so as not to move.

* Otherwise, the attachment could fall off the truck, causing injury or damage to the cultivator.

1.2.9 Precautions for Storing

WARNING



When storing the attachment with the hook of the pipe cap attached to the pipe, etc., do not pull or swing the attachment.

Or, attach it to the fixed bar having enough strength.

* Otherwise, it will fall off, causing a serious injury.

CAUTION



When storing the attachment, remove the blade.

* Otherwise, you will get contact with the blade or attachment if it falls off or falls down, resulting in serious injury

When storing the attachment, store it in the place out of reach of children and animals.

* Otherwise, you will get contact with the blade or attachment if it falls off or falls down, resulting in serious injury

1.2.10 Precautions for Grease

⚠ DANGER



Store the grease in a place out of reach of children.

Also, put them in a container so that the grease is not spilled and make them distinguished to understand contents.

* When drinking them by mistake, the person will feel physically sick.

⚠ CAUTION



Do not discard grease into the river, the sea, or the ground.

* Otherwise, it could pollute the environment.

1.3 Safety Devices and Protective Guard

1.3.1 Safety Devices (Stop Devices)

To stop the cultivator in case of an accident or abnormality, use the stop device and stop the rotation of the blade.

There are the throttle trigger and start/stop switch on the powerhead as stop devices.

Refer to the powerhead manual for details.

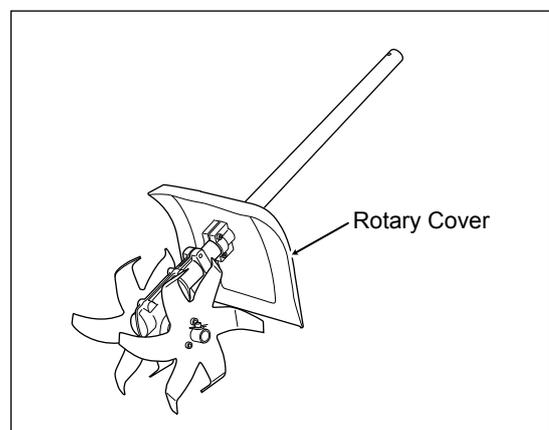
1.3.2 Safety Device (Quick Release)

In case of an accident or abnormality, the cultivator can be released from the harness by using the quick release device.

Refer to the powerhead manual for details.

1.3.3 Protective Guard (Rotary Cover)

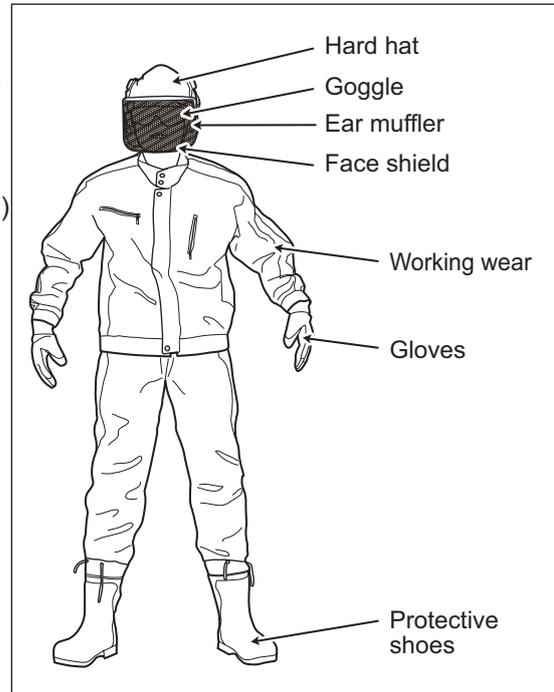
It guards the operator from objects such as soils, sands and stones scattered by the blade.



1.4 Protective Equipment

When using the cultivator for cultivation, always wear the following protective equipment.

- (a) Hard hat
- (b) Working wear (long sleeve jackets and full-length pants of heavy material)
- (c) Protective shoes (or sturdy boots with nonslip sole) (Steel-toed safety boots are recommended.)
- (d) Gloves (heavy-duty, nonslip gloves)
- (e) Goggles
- (f) Face shield (or face screen) (Use together with goggles is recommended.)
- (g) Ear muffler



►► Note

- Use eye protections (or goggles), ear plugs (or ear muffs) and hard hats, etc. conformed to the applicable standard.
- Do not wear any jewelry.
- Loop up long hair.
- If the jackets or pants are loose, tighten the cuffs or hems.

1.5 Noise

There is a danger that a person might suffer permanent hearing loss by the sound from the cultivator.

A person operating the cultivator must use ear protection equipment including an ear muffler.

A person using the cultivator frequently must undergo a hearing test.

However, take care when wearing the ear protection equipment. Your ability to hear shouts or alarms is restricted.

1.6 Vibration

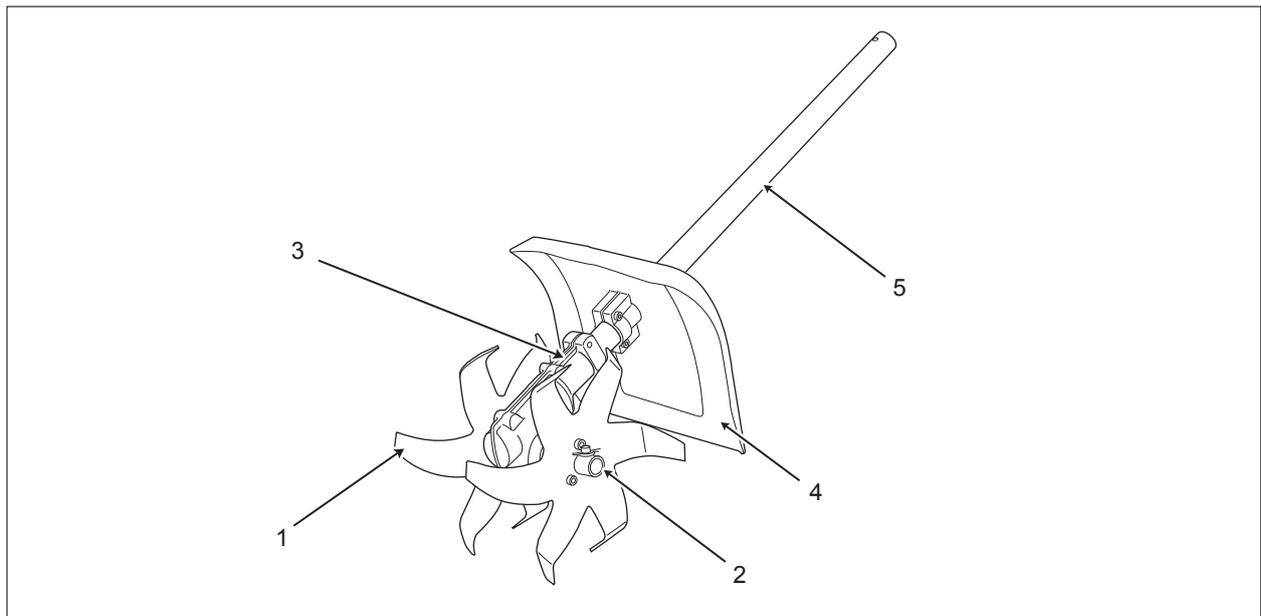
Vibration generated by the cultivator causes vibration induced white finger (Reynaud's phenomenon) or carpal tunnel syndrome. This will cause swelling pain or nerve paralysis of hands, and there is a risk of affecting the hand.

To prevent such problems, do not continuously operate for a long time. Instead, take an appropriate break.

2. Outline

2.1 Name of Parts and Their Functions

The cultivator is a device with the attachment installed to the powerhead (separately sold). The following is the structure of the attachment and name and function of each part.



No.	Name	Description
1	Blade	Iron blade to cultivate soils or sands.
2	Flange	Connect the output shaft from the transmission case with the blade.
3	Transmission case	Connected to the flange. Changes the transmission angle of the power from the power transmission shaft to decelerate.
4	Rotary cover	Guards from objects such as soils, sands and stones scattered by the blade.
5	Shaft tube	It is the main frame. The power transmission shaft is inside this tube.
6	Collar	Maintains an appropriate distance between the transmission case and rotary cover.

2.2 Specification

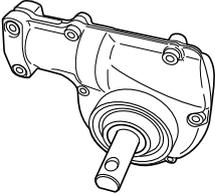
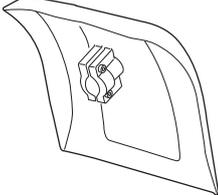
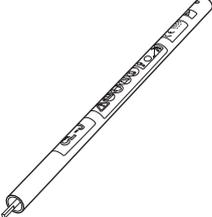
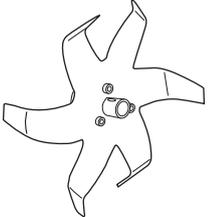
■ Standard Specification

Item	Specification
Cultivating width	170 mm
Dimension	800 mm
Weight	3.3 kg
Diameter of blade (mm)	φ240

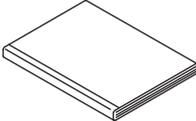
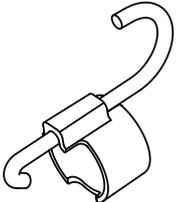
2.3 Packaged Materials

Check if there are all the following parts when unpacking. For the powerhead, refer to the powerhead manual

■ Main Parts

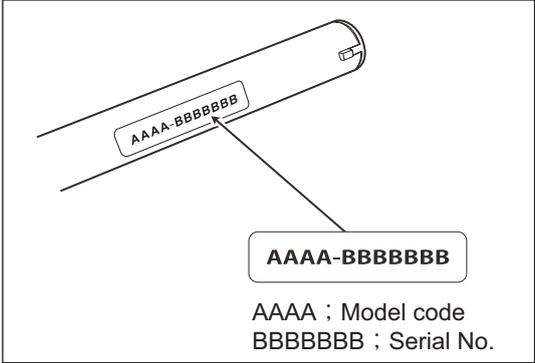
<p>Transmission case</p> 	<p>Rotary cover</p> 	<p>Shaft tube</p> 	<p>Blade (2 pieces)</p> 
<p>R pin (2 pcs.)</p> 	<p>Pin (2 pcs.)</p> 	<p>Collar</p>	

■ Attached Materials

<p>Instruction manual (this book)</p> 	<p>Pipe cap</p> 
---	---

2.4 Position of Model Code and Serial No.

This instruction manual is for attachment of model in same series.
 Check the model of your attachment on the nameplate attached to the machine body and read the corresponding sections.
 Record serial No. (See "9. Service after Sales"). You will need this serial No. when ordering parts, and when making technical or warranty inquiries.

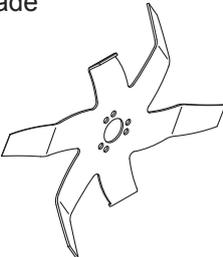


▶▶Note

- The model code is 4-digit numeric number for management.
 The model code is different from the model name.

2.5 Consumables

The following is the consumables of this attachment.
 Contact the sales agency for the replacement.

<p>Cap</p> 	<p>R pin</p> 	<p>Pin</p> 	<p>Blade</p> 
--	--	---	--

3. Installation

3.1 Installation Method

WARNING



Before installing or removing, stop the engine.

- * If the engine starts during the work, hands or fingers could be severed by the moving parts or blade.

CAUTION



Wear gloves when handling the blade during the replacement, etc.

- * Otherwise, hands or fingers could be injured by contact with the corner of the blade or sharp blade tip.

3.1.1 Combination with Powerhead

WARNING



Do not install any unapproved powerhead to this attachment.

- * The attachment could come off during use, resulting in a serious accident.

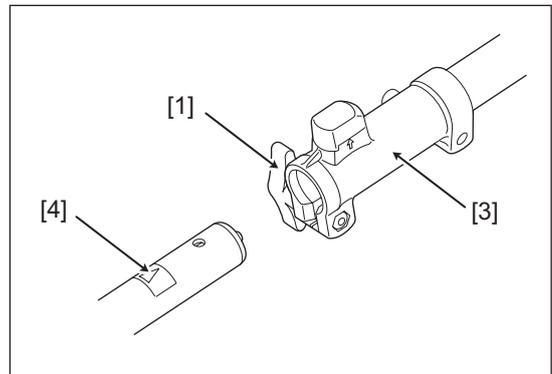
The attachment can be installed only to our approved equipment (shown below).

For detail, refer to the table below.

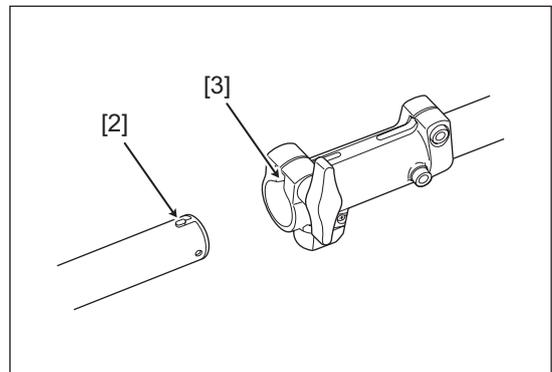
Manufacturer	Our approved powerhead
Thai Honda Manufacturing Co.,Ltd.	UMC425E
Thai Honda Manufacturing Co.,Ltd.	UMC435E
Thai Honda Manufacturing Co.,Ltd.	UMC425U
Thai Honda Manufacturing Co.,Ltd.	UMC435U

3.1.2 Connecting

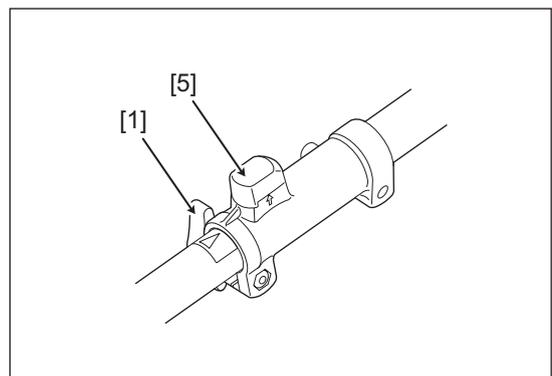
- 1** Loosen the knob bolt [1] of powerhead connections.



- 2** Align the boss (protrusion) [2] at the end of the pipe with the slit of the joint case [3], and insert it to the label [4] position.

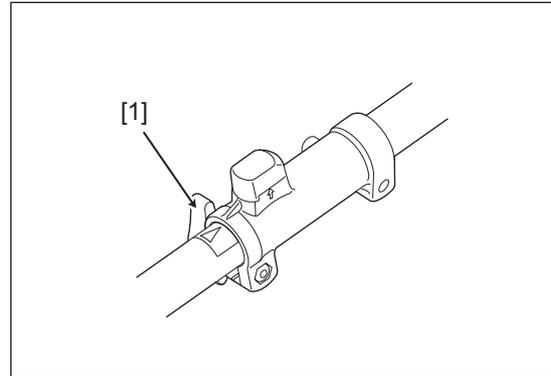


- 3** Make sure that the positioning knob [5] is lowered to the original position, and then tighten the knob bolt [1] of powerhead connections.



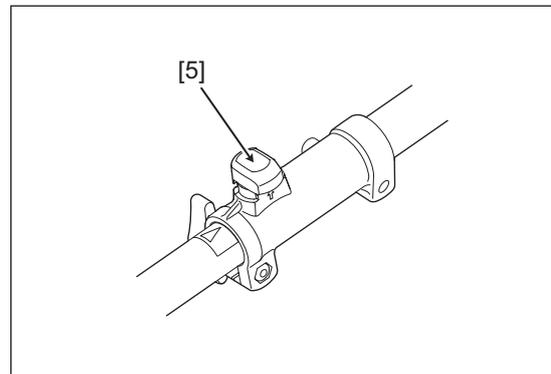
3.1.3 Removing

- 1** Loosen the knob bolt [1] of powerhead connections.



- 2** Lift the positioning knob [5], and turn it.

When the positioning knob is lifted, it can be rotated both clockwise and counterclockwise by 90°.

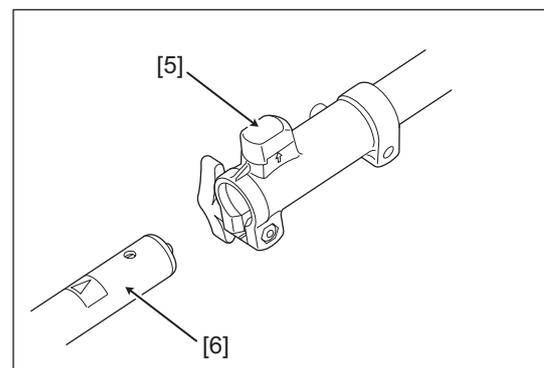


- 3** Pull out the shaft tube [6].

If the shaft tube is hard to remove, hold it so that the attachment is parallel to the pipe of the powerhead, and then pull out it.

- 4** Turn the positioning knob [5] until it comes to the center.

When the positioning knob is returned to the center, it will be released downward.



4. Operation

WARNING



Wear appropriate personal protective equipment when using the cultivator.

* Otherwise, injury may result.

4.1 Transporting method

WARNING



Do not transport the cultivator by a bicycle and a motorbike.

* Otherwise, the cultivator could fall off, resulting in injury or damage of the cultivator.



Before transporting the cultivator, stop the engine, and make sure that the blade is stopped.

* Otherwise, body, hands or fingers could be severed or objects could be damaged by contact with the blade.

When transporting the cultivator, install it to a harness or keep the balance with the shaft tube.

* Otherwise, the cultivator could fall off, resulting in injury or damage of the cultivator.

Remove obstacles, and watch your step when transporting the cultivator.

* If the footing is insecure, an accident due to tripping over or falling could happen.

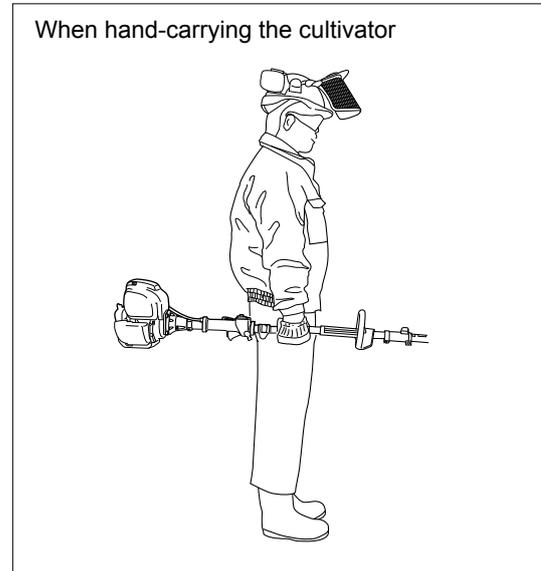
Before transporting the cultivator put on the back of the truck, etc., remove the attachment from the powerhead, remove the blade, and then fix the attachment so as not to move.

* Otherwise, the attachment could fall off the truck, causing injury or damage to the cultivator.

1 Wear protective equipment. For detail about the protective equipment, refer to "1.4 Protective Equipment.

2 Make sure that the engine is stopped and the blade is not moving.

3 <When hand-carrying the cultivator>
Install it to the harness or use the shaft tube to keep the balance with the shaft tube.



<When transporting by truck, etc.>

(1) Remove the attachment from the powerhead.

(2) Put the cultivator on the back of the truck, and fix it so as not move.

4.2 Pre-operation Check

DANGER



Make sure that the cultivator is operated normally or there is not any part missing or cracking before starting the operation.

Especially check the looseness of the connections, screws and nuts, and fuel leakage.

* Otherwise, it will cause serious accident.

Before operating the cultivator, check the following.

For checking for the powerhead, refer to the powerhead manual.

		Inspection item	Countermeasure
(a)	Check each part for any abnormality.	<ul style="list-style-type: none"> • Tightening screw for looseness, cracks, bending or deformation • Screws, R pins and pins fixing the blade for looseness, damage or missing parts • Knob bolt of powerhead connections for looseness • Blades for damage 	<p>If there is any part loosened, tighten securely.</p> <p>If there is any part damaged, request the sales agency for repair.</p>
(b)	Check the idling status.	<ul style="list-style-type: none"> • If the blade does not move during idling • If the idling status is normal 	Refer to the powerhead manual.

4.3 Start and Stop

The cultivator is operated by the powerhead.
Refer to the powerhead manual.

4.3.1 Start

DANGER



The cultivator must be started in a non-slippery and firm place.

* Otherwise, it will cause falling, resulting in a serious accident.

WARNING



The cultivator must be started or operated by one person.

* If it is operated by more than one person, it could be miss-handled, and it could contact with a person or objects, resulting in an accident.

For starting the cultivator, refer to the powerhead manual.

4.3.2 Stop

When the throttle trigger is released, the engine power will decrease, and the blade will stop rotating. However, it will be rotating for a while (flywheel effect), and the throttle will not stop immediately after the throttle trigger is released.

Refer to the powerhead manual for details.

4.4 Precautions for Operation

When operating the cultivator, observe the following as well as “1.2 General Precautions”.

■ General

- If you feel tired during operation, be sure to take a break. If you continue operating without taking a break, the cultivator could be out of control. Or if you are aggravated by strenuous work, consult a physician (doctor) before operating the cultivator.
- The cultivator is not insulated against electric shock. Have a person qualified for electric work remove wires and cables which can be removed. If there are still wires or cables not removable, do not operate the cultivator.
- When operating the cultivator, avoid something hard (rocks, stones, stumps, trees, wedges, pillars, concrete, metals, fragments, etc.) They could generate kickback, or the broken blade edge and stones, etc. could be scattered, resulting in injury

■ Check of Blade

- Make sure that the rotary cover is securely installed to the appropriate position before starting the operation.

■ Check of Work Area

- Check if there is no hard object such as rocks, stones and metal shard which could damage the blade in the work area before starting operation. Pay attention when operating the cultivator near fences or poles.
- Take extreme care when operating in a slippery place. Also watch out for rough ground, stumps, roots, ditches or holes which could cause you to trip or stumble. Do not use the cultivator when it is raining.
- To prevent fire disaster, do not use the cultivator in a place where there are organic sediments, fallen leaves or excessive lubricants.

■ In Emergency

- If the blade is contacted with obstructions, immediately stop the engine. After the blade is completely stopped, check if the blade is not broken, bent or cracked. If there is any failure, replace the blade. Also, check if the shaft tube is not bent, broken or cracked. If there is any failure, contact the sales agency.
- When the foreign objects strings, wires, grasses, etc. are wound around the blade, transmission case or rotary cover, remove them. When removing such objects, be sure to stop the engine with the start/stop switch of the powerhead. (Refer to the powerhead manual for stopping method.)
Do not place your hands, etc. close to the blade while the engine is operating even if the blade is not rotating. When the throttle cable is gripped accidentally, the blade will suddenly start rotating, causing serious injury.
- If there is any problem such as a blunt edge of the blade, etc., stop the operation immediately, and make sure that there is no part cracking or lacking. Even if the blade has superficial cracks instead of damage or wear, replace the blade.
- In case of an accident or abnormality, the cultivator can be released from the harness or shoulder harness by using the quick release.

4.5 Cultivation

DANGER



Do not allow children or animals to enter the working range of the cultivator (within 15m).

* Otherwise, a serious accident will happen.

WARNING



The cultivator must be started or operated by one person.

* If it is operated by more than one person, it could miss-handled, and it could contact with a person or objects, resulting in accident.

When more than one cultivator is operated simultaneously, each operator must keep away one another at least 15 m.

■ Holding Method of Cultivator

- Always hold the cultivator with both hands during operation.
To prevent accidents due to inappropriate operation, always support the cultivator stably during the operation by folding as follows.

Right hand: Grip the control grip.

Left hand: Grip the loop handle.

(This also applies to left-handers.)

- Always keep the machine away from your body.

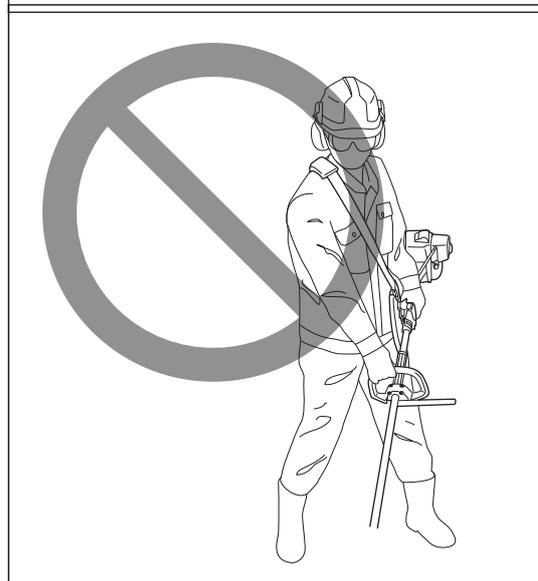


■ Prohibited Matter

- Do not hold the cultivator on your left side.

▶▶ Note

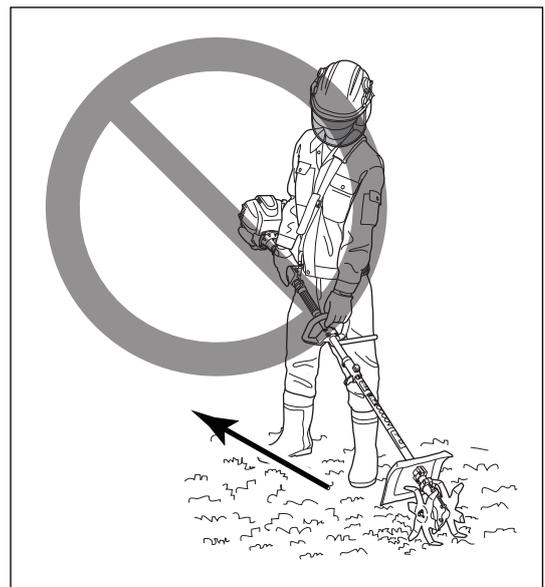
- This cultivator is designed to be held on an operator's right side.



- Do not operate with holding the cultivator at the higher position than your knees.



- Do not operate while you are moving backward. You could trip over and fall down, resulting in unexpected injury.

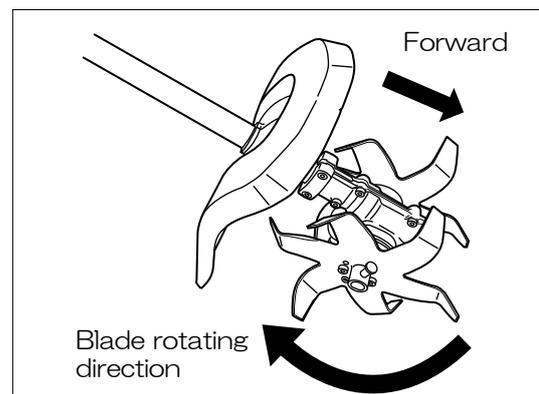


■ Operation

- Put the blade of the cultivator to soil or sand while moving forward to cultivate.
Make sure there is no person or animal in the direction of your forward movement.



- The blade will rotate in the direction of forward movement.



4.6 Actions after Operation

After using the cultivator, take the following actions.

- 1** Set the start/stop switch to OFF (O side) to stop the engine.
- 2** Store the cultivator according to "6. Storing".

5. Maintenance

⚠ WARNING



Before carrying out the maintenance, repair or cleaning, stop the engine, remove the attachment from the powerhead, and then remove the blade.

* If the engine starts during the work, hands or fingers could be severed by the moving parts or blade.

Do not perform any maintenance other than those described in the instruction manual. Request the sales agency.

* Otherwise, it could cause an accident.

Maintenance items for the cultivator are described as follows.
For maintenance of the powerhead, refer to the powerhead manual.

5.1 Greasing

⚠ DANGER



Store the grease in a place out of reach of children.

Also, put them in a container so that the grease is not spilled and make them distinguished to understand contents.

* When drinking them by mistake, the person will feel physically sick.

⚠ CAUTION



Do not discard grease into the river, the sea, or the ground.

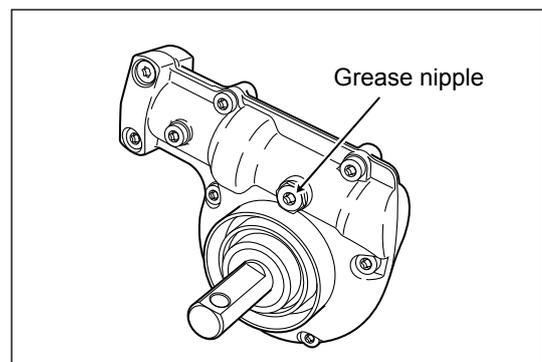
* Otherwise, it could pollute the environment.



Use a designated grease Fuchs Lubricants ; GEARMASTER LXG 00 or equivalent.

* Otherwise the gears, etc. could be damaged.

Apply grease from the grease nipple every 20 hours. Remove the drain nipple, and apply grease from the grease nipple. Dirty grease will come out of the hole of the drain nipple. Then, apply grease approx. 40g, and wipe off the grease coming out. Tighten the drain nipple and grease nipple.
Use uchs Lubricants: GEARMASTER LXG 00or equivalent for greasing.



5.2 Replacement of Blade

WARNING



.Use blades specified by the manufacturer.

* If any blade other than that specified is used, the blade could be damaged or it could come off, resulting in injury of the operator.

Attach R pin so that the tip of the R part should face the blade rotating direction.

* If it is attached in an opposite direction, the R pin could break while the blade is rotating, resulting in injury.

CAUTION



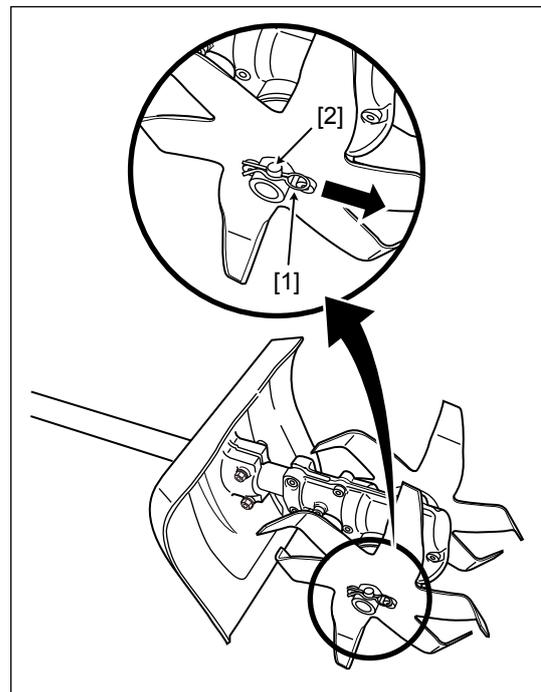
Wear gloves when handling the blade during the replacement, etc.

* Otherwise, hands or fingers could be injured by contact with the corner of the blade or sharp blade tip.

When the blade is damaged or worn, replace with a new one as follows.

■ Removing

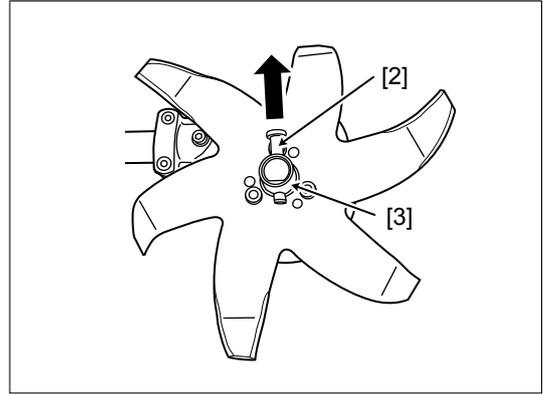
- 1** Put on gloves.
- 2** Make sure that the engine is stopped and the blade is not moving. Then, remove the blade from the powerhead.
- 3** Remove R pin [1] from the pin [2].



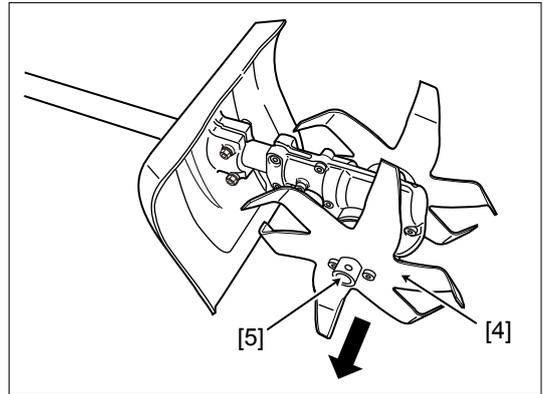
4 Remove the pin [2] from the flange [3].

►► Note

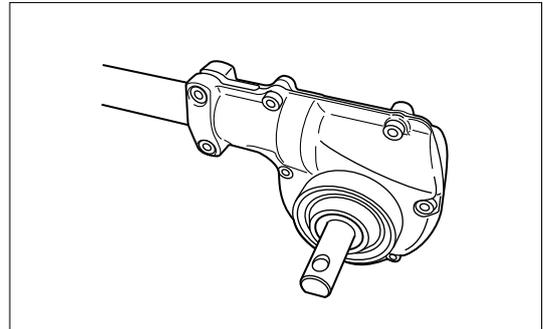
- Keep the removed R pin and pin in a certain place so as not to lose.



5 Remove the blade [4] from the transmission case [5].

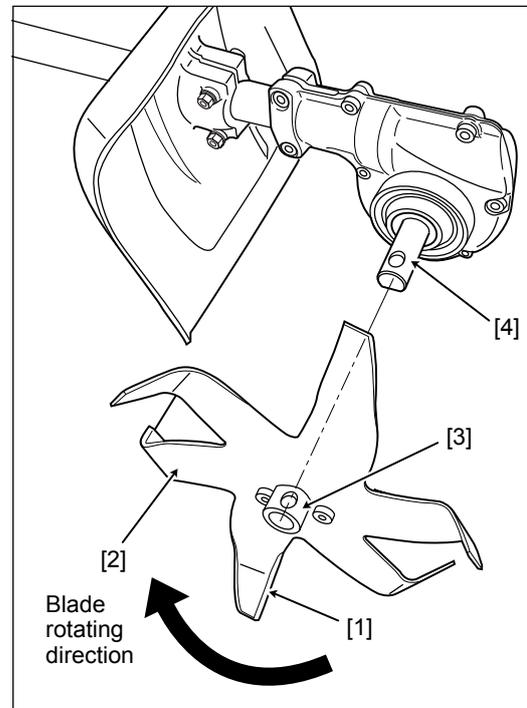


6 Remove the blade on the opposite side in the same way.

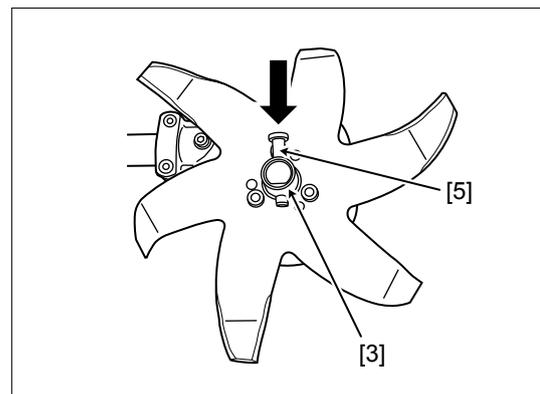


■ Installation

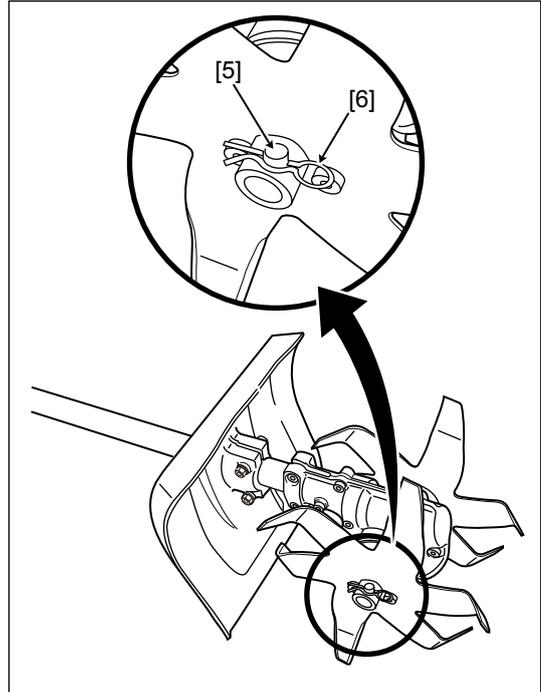
- 1** Put on gloves.
- 2** Insert the flange [3] into the transmission case shaft [4] so that the edge [2] of the blade should face the same direction as the rotating direction of the blade [1].
- 3** Align the hole of the flange [3] with the hole of the transmission case shaft [4].



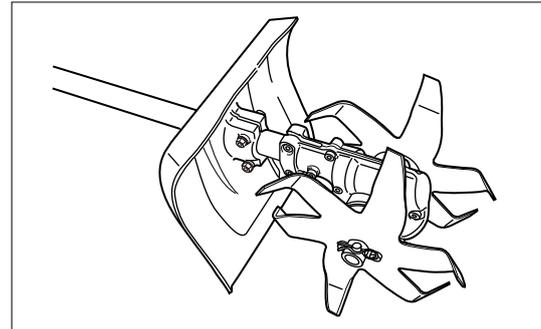
- 4** Insert the pin [5] into the hole of the flange [3].



- 5** With the tip of R part of the R pin [6] set in the rotating direction of the blade, install the R pin [6] to the pin [5] to fix the blade.



- 6** Install the blade on the opposite side in the same way.



6. Storing

DANGER



Store the grease in a place out of reach of children.

Also, put them in a container so that the grease is not spilled and make them distinguished to understand contents.

* When drinking them by mistake, the person will feel physically sick.

WARNING



When storing the attachment with the hook of the pipe cap attached to the pipe, etc., do not pull or swing the attachment.

Or, attach it to the fixed bar having enough strength.

* Otherwise, it will fall off, causing a serious injury.

CAUTION



Do not discard grease into the river, the sea, or the ground.

* Otherwise, it could pollute the environment.



Wear gloves when handling the blade during the replacement, etc.

* Otherwise, hands or fingers could be injured by contact with the corner of the blade or sharp blade tip.

When storing the attachment, remove the blade.

* Otherwise, you will get contact with the blade or attachment if it falls off or falls down, resulting in serious injury

When storing the attachment, store it in the place out of reach of children and animals.

* Otherwise, you will get contact with the blade or attachment if it falls off or falls down, resulting in serious injury

After the work or when storing, follow the procedure below.

For works after the powerhead operation is completed or storing method, refer to the powerhead manual.

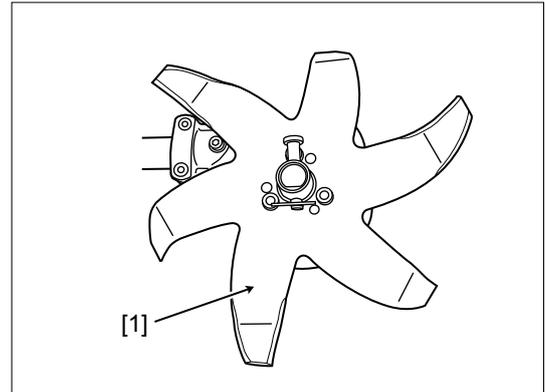
1 Remove the attachment from the powerhead.

2 Put on gloves.

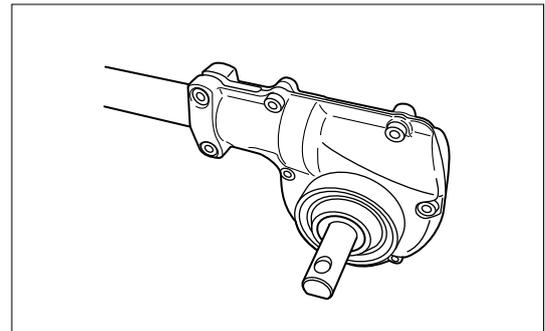
3 Check the blade [1] for the following.

- If the edge of the blade is not rounded
- If the entire blade is not bent (curved)
- If the blade is not chipped off or peeled

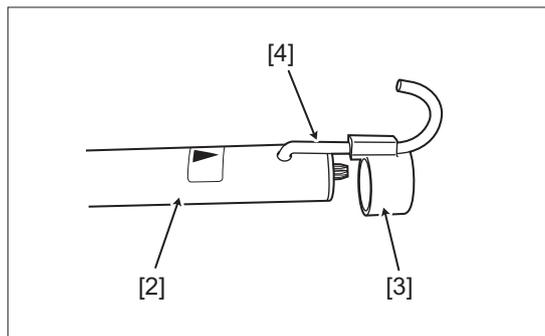
If there is any problem, consult the sales agency.



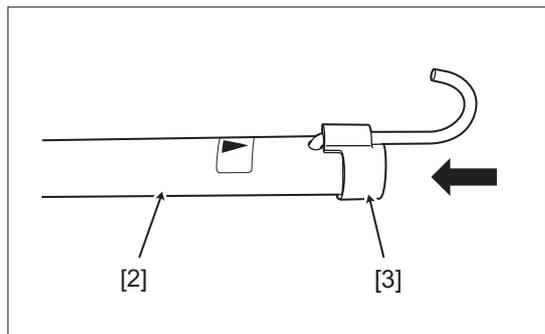
4 Remove the blade according to "5.2 Replacement of Blade."



5 Insert the hook [4] of the pipe cap [3] into the hole of the shaft tube [2].



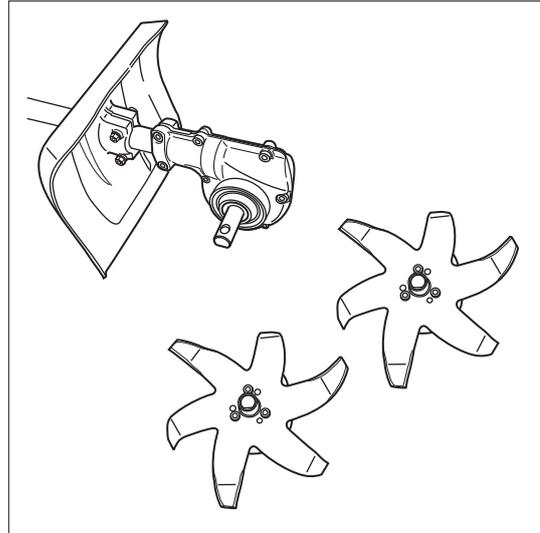
6 Insert the pipe cap [3] into the shaft tube [2].



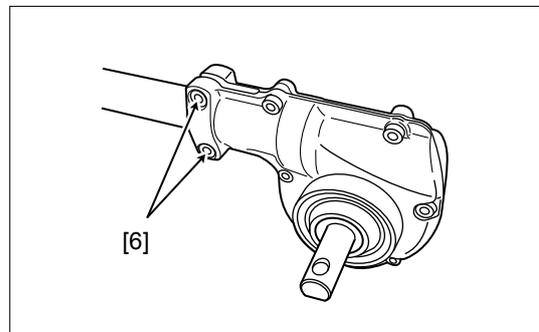
- 7** Clean the attachment.
Remove soil, sand or grass attached to the blade, flange, rotary cover or transmission case.
Use a cloth to clean.

►► Note

- Do not use solvent for cleaning.
Use a cloth dampened with water.



- 8** Check if the tightening screw [6] (2 places) of the transmission case is not loosened.
If it is loosened, securely tighten.



- 9** Store the cultivator in the following place.

- (a) Locked place
- (b) High place out of reach of children and other unauthorized person
- (c) Dried and cool dark place

►► Note

- If it is wet, completely dry.

7. Waste Disposal

For disposal, observe the standards and regulations of your region. If there is any question, contact the sales agency.

8. Troubleshooting

In case of failure, follow the table below.

 **DANGER**



When troubleshooting, stop the engine, and remove the attachment from the powerhead.

* If the engine starts during troubleshooting, hands or fingers will be severed by the moving parts or blade.

Phenomena	Causes	Measures
The cultivator does not start.	Fuel runs out or fails.	Refer to the powerhead manual.
	Engine fails.	Refer to the powerhead manual.
	Mis-operation for start-up	Refer to the powerhead manual.
	Start/stop switch is off.	Turn on the start/stop switch to start.
Output is not enough.	Throttle cable adjustment is faulty	Refer to the powerhead manual.
	Engine fails.	Refer to the powerhead manual.
Vibration is too large.	Poor balance of attachment	Contact the sales agency.
	Mis-installation of attachment	Check the installed status.
	Looseness of connection of attachment	Contact the sales agency.
	Shaft tube is bent.	Contact the sales agency.
	Blade is cracked or broken.	Contact the sales agency.
	Screws/nuts at the handle mounting parts are loosened	Check the mounting screws/nuts.
Exhaust sound is too large.	Muffler is loosened or has a hole.	Refer to the powerhead manual.
Blade does not stop even if the engine speed is reduced.	Carburetor adjustment is faulty.	Refer to the powerhead manual.
Blade does not move even if the engine speed is increased.	Gear has worn.	Contact the sales agency.
The cultivator does not stop.	Lead wire is broken or disconnected.	Refer to the powerhead manual.

9. Service after Sales

For repair, handling method or cleaning, contact the sales agency.

■ When Requesting for Repair

If there is any problem, try finding the cause and take measures according to “8. Troubleshooting”. If it does not solve the trouble, contact the sales agency.

■ Contact for Repair

Contact the sales agency from which you purchased the cultivator for repair.

Record serial No. (See “2.4 Position of Model Code and Serial No.”) in the space below. You will need this serial No. when ordering parts, and when making technical or warranty inquiries.

Required information	
Name of product	Cultivator attachment
Model code & Serial No.	SCLE - SCLU -
Purchased date	
Sales agency which you purchased from	
Faulty condition	(Explain as much detail as possible.)

10. Technical data

		Model	SSCL (Europe)		SSCL (Australia)		
			UMC425E	UMC435E	UMC425U	UMC435U	
Powerhead							
Handle		LOOP	LOOP	LOOP	LOOP		
a)	Mass (without powerhead)	kg	3.3		3.3		
	Length (without powerhead)	mm	800		800		
	Cutting attachments (diameter for blades)	mm	240		240		
b)	Measured vibration levels (in accordance with EN ISO 22867) Applies to Europe only	Front	m/s ²	3.7	4.3	-	-
		Uncertainty		1.9	2.2	-	-
		Rear	m/s ²	5.7	6.5	-	-
		Uncertainty		2.3	2.6	-	-
c)	Measured sound pressure level (in accordance with 2006/42/EC) Applies to Europe only		dB(A)	89	91	-	-
		Uncertainty		2	2	-	-
d)	Sound power level Australia New South Wales standard Applies to Australia only	dB	-	-	69	72	

EC Declaration of Conformity (Applies to Europe only)

Manufacturer NIKKARI CO.,LTD.
Address 465-1,Saidaiji-Kawaguchi,Higashi-ku,Okayama,704-8125
Country JAPAN

Type Cultivator Attachment
Model SSCL
Serial No. SCLE-1000001 ~

Declare, that the following machinery complies with all the essential health and safety Requirements of the EC Directive.

2006/42/EC amended 2009/127/EC
2004/108/EC

The following standards have been applied

EN ISO 12100:2010
EN ISO 14982:2009

Approved Powerhead

UMC425E
UMC435E

Issued at: Hiroshi Sugimoto, Japan

on October 1st 2012

Name and position of the person that signs: Hiroshi Sugimoto

President

Manufacturer' s signature

H. Sugimoto

Person authorised to compile the technical file

Honda Motor Europe Ltd. Aalst Office
Wijngaardveld 1 (Noord V), 9300 Aalst
BELGIUM