

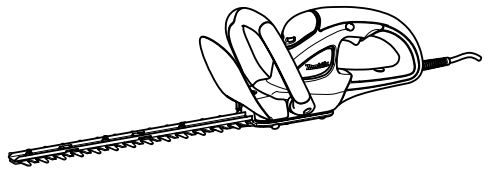


ENGLISH (Original Instructions)


INSTRUCTION MANUAL

Hedge Trimmer

MUH355



010359

 DOUBLE INSULATION

IMPORTANT: Read Before Using.

ENGLISH (Original instructions)

SPECIFICATIONS

Model	MUH355
Blade length	350 mm
Strokes per minute (min ⁻¹)	1,700
Overall length	660 mm
Net weight	1.8 kg
Safety class	II / I

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2003

ENA001-2

SAFETY INSTRUCTIONS

WARNING! When using electric tools, basic safety precautions, including the following, should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before operating this product and save these instructions.

For safe operations:

- 1. Keep work area clean.**
Cluttered areas and benches invite injuries.
- 2. Consider work area environment.**
Do not expose power tools to rain. Do not use power tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion.
- 3. Guard against electric shock.**
Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators).
- 4. Keep children away.**
Do not let visitors touch the tool or extension cord. All visitors should be kept away from work area.
- 5. Store idle tools.**
When not in use, tools should be stored in a dry, high or locked up place, out of reach of children.
- 6. Do not force the tool.**
It will do the job better and safer at the rate for which it was intended.
- 7. Use the right tool.**
Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended; for example, do not use circular saws to cut tree limbs or logs.
- 8. Dress properly.**
Do not wear loose clothing or jewellery, they can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protecting hair covering to contain long hair.
- 9. Use safety glasses and hearing protection.**
Also use face or dust mask if the cutting operation is dusty.
- 10. Connect dust extraction equipment.**
If devices are provided for the connection of dust extraction and collection facilities ensure these are connected and properly used.
- 11. Do not abuse the cord.**
Never carry the tool by the cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
- 12. Secure work.**
Use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
- 13. Do not overreach.**
Keep proper footing and balance at all times.
- 14. Maintain tools with care.**
Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized service facility. Inspect extension cords periodically and replace, if damaged. Keep handles dry, clean and free from oil and grease.
- 15. Disconnect tools.**
When not in use, before servicing and when changing accessories such as blades, bits and cutters.
- 16. Remove adjusting keys and wrenches.**
Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- 17. Avoid unintentional starting.**
Do not carry a plugged-in tool with a finger on the switch. Ensure switch is off when plugging in.
- 18. Use outdoor extension leads.**
When tool is used outdoors, use only extension cords intended for outdoor use.

19. **Stay alert.**
Watch what you are doing. Use common sense. Do not operate tool when you are tired.
20. **Check damaged parts.**
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.
21. **Warning.**
The use of any accessory or attachment, other than those recommended in this instruction manual or the catalog, may present a risk of personal injury.
22. **Have your tool repaired by a qualified person.**
This electric tool is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.

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ADDITIONAL SAFETY RULES

1. Do not use the hedge trimmer in the rain or in wet or very damp conditions. The electric motor is not waterproof.
2. First-time users should have an experienced hedge trimmer user show them how to use the trimmer.
3. The hedge trimmer must not be used by children or young persons under 18 years of age. Young persons over 16 years of age may be exempted from this restriction if they are undergoing training under the supervision of an expert.
4. Use the hedge trimmer only if you are in good physical condition. If you are tired, your attention will be reduced. Be especially careful at the end of a working day. Perform all work calmly and carefully. The user is responsible for all damages to third parties.
5. Never use the trimmer when under the influence of alcohol, drugs or medication.
6. Check to make sure that the voltage and frequency of the power supply correspond to the specifications given on the identification plate. We recommend the use of a residual-current-operated circuit breaker (ground-fault circuit interrupter) or an earth leakage current protector.
7. Work gloves of stout leather are part of the basic equipment of the hedge trimmer and must always be worn when working with it. Also wear sturdy shoes with anti-skid soles.
8. Before starting work check to make sure that the trimmer is in good and safe working order. Ensure guards are fitted properly. Check cable for damage before starting work and replace if necessary. The hedge trimmer must not be used unless fully assembled.
9. Keep cable away from the cutting area. Always work in such a way that the extension power cord is behind you.
10. Remove plug from the mains immediately if cable is damaged or cut.
11. Make sure you have a secure footing before starting operation.
12. Hold the tool firmly when using the tool.
13. Immediately switch off the motor and unplug the mains plug if the cutter should come into contact with a fence or other hard object. Check the cutter for damage, and if damaged repair immediately.
14. Before checking the cutter, taking care of faults, or removing material caught in the cutter, always switch off the trimmer and unplug the mains plug.
15. Switch off the trimmer and disconnect and secure the mains plug before doing any maintenance work.
16. When moving the hedge trimmer to another location, including during work, always unplug the mains plug and put the blade cover on the cutter blades. Never carry or transport the trimmer with the cutter running. Never grasp the cutter with your hands.
17. Clean the hedge trimmer and especially the cutter after use, and before putting the trimmer into storage for extended periods. Lightly oil the cutter and put on the cover. The cover supplied with the unit can be hung on the wall, providing a safe and practical way to store the hedge trimmer.
18. Store the hedge trimmer with the cover on, in a dry room. Keep it out of reach of children. Never store the trimmer outdoors.

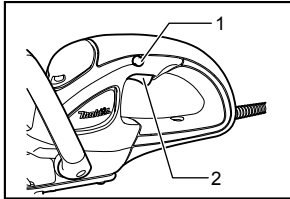
SAVE THESE INSTRUCTIONS.

FUNCTIONAL DESCRIPTION

⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

Switch action



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1. Lock button
2. Switch trigger

⚠CAUTION:

- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Release the switch trigger to stop. For continuous operation, pull the switch trigger and then push in the lock button and then release the switch trigger. To stop the tool from the locked position, pull the switch trigger fully, then release it.

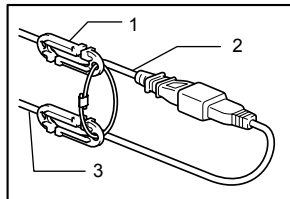
The lock button can be pushed from either left or right side of the handle.

ASSEMBLY

⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before carrying out any work on the tool.

Engage the extension cord



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1. Hook complete
2. Tool's cord
3. Extension cord

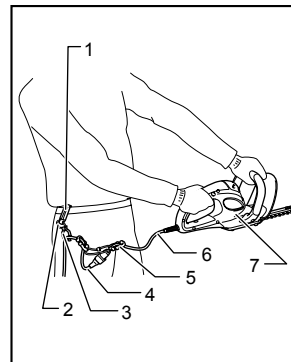
When engaging the extension cord, secure it to the tool's cord with the hook complete. Attach the hook about 100 - 200 mm from the extension cord connector. This will help prevent unintentional disconnection.

Waist cord hook

⚠CAUTION:

- Do not attach the holder of waist cord hook to other than the extension cord. Do not attach it in a position closer to the tool beyond the hook complete. Failure to do so may cause an accident or personal injury.
- Attach firmly one hook of the hook complete to the tool's cord and the other hook of hook complete to the extension cord. Working with the tool with a sole hook only attached may cause an accident and injury.

Using the waist cord hook helps to minimize a risk of cutting off the extension cord unexpectedly caused by the loose extension cord.

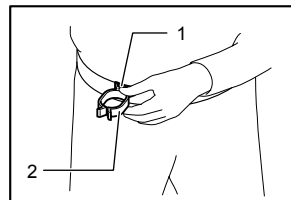


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1. Hook
2. Waist cord hook
3. Holder
4. Extension cord
5. Hook complete
6. Tool's cord
7. Tool

Attach the waist cord hook so that its hook is hung from the waist and so that its holder let the extension cord on the power supply plug side pass through.

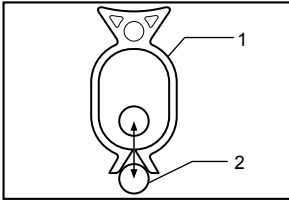
When attaching the extension cord to the holder, fit the curve (part A) of the holder to the waist and it can be easily attached by one-touch installment.



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1. Part A
2. Holder

Press in or pull out the cord through the opening of the holder.



1. Holder
2. Cord

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⚠CAUTION:

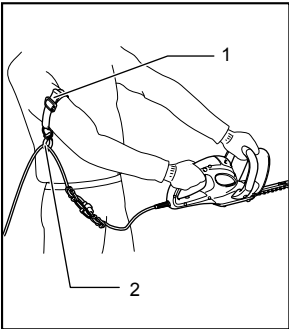
- Do not force the opening of the holder. Failure to do so may cause deflection and damage to it.

Arm cord hook (Accessory)

⚠CAUTION:

- Do not attach the holder of arm cord hook to other than the extension cord. Failure to do so may cause an accident or personal injury.

Using the arm cord hook helps to minimize a risk of cutting off the extension cord unexpectedly caused by the loose extension cord.



1. Arm cord hook
2. Holder

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Attach firmly the arm cord hook band placing around your arm and pass the extension cord through the holder. The length of the arm cord hook band is adjustable.

NOTE:

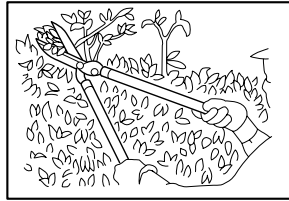
- Do not pass the extension cord through the band.
- Do not force the opening of the holder. Failure to do so may cause deflection and damage to it.
- Using the arm cord hook together with the waist cord hook is more helpful.

OPERATION

⚠CAUTION:

- Be careful not to accidentally contact a metal fence or other hard objects while trimming. The blade will break and may cause serious injury.
- Overreaching with a hedge trimmer, particularly from a ladder, is extremely dangerous. Do not work from anything wobbly or infirm.

Do not attempt to cut branches thicker than 10 mm diameter with this trimmer. These should first be cut with shears down to the hedge trimming level.

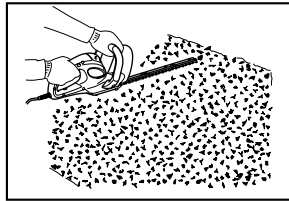


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⚠CAUTION:

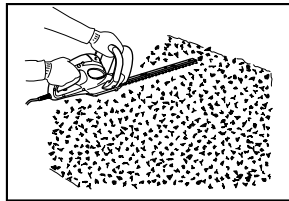
- Do not cut off dead trees or similar hard objects. Failure to do so may damage the tool.

Hold the trimmer with both hands and move it in front of your body.

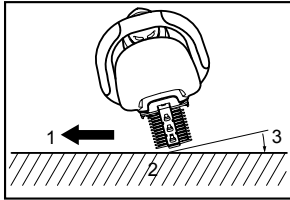


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As a basic operation, tilt the blades towards the trimming direction and move it calmly and slowly at the speed rate of 3 - 4 seconds per meter.



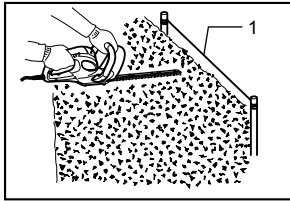
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1. Trimming direction
2. Hedge surface to be trimmed
3. Tilt the blades.

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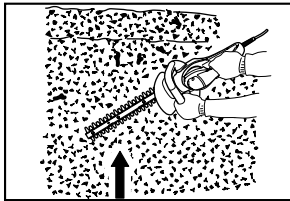
To cut a hedge top evenly, it helps to tie a string at the desired hedge height and to trim along it, using it as a reference line.



1. Tie a string.

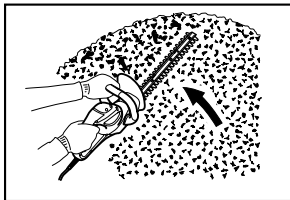
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To cut a hedge side evenly, it helps to cut from the bottom upwards.



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Trim boxwood or rhododendron from the base toward the top for a nice appearance and good job.



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MAINTENANCE

⚠CAUTION:

- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

Cleaning the tool

Clean out the tool by wiping off dust with a dry or soap-dipped rag.

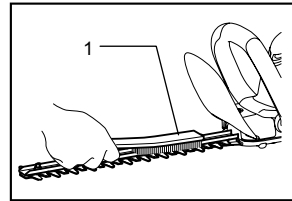
⚠CAUTION:

- Never use gasoline, benzene, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

Blade maintenance

Smear the blade before and once per hour during operation using machine oil or similars.

After operation, remove dust from both sides of the blade with wired brush, wipe off it with a rag and then apply enough low-viscosity oil, such as machine oil etc. and spray-type lubricating oil.



1. Wired brush

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⚠CAUTION:

- Do not wash the blades in water. Failure to do so may cause rust or damage on the tool.

Removing or installing shear blade

⚠CAUTION:

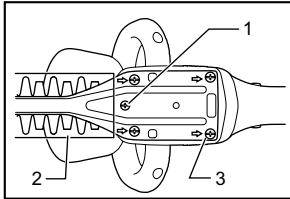
- Before removing or installing shear blade, always be sure that the tool is switched off and unplugged.
- When replacing the shear blade, always wear gloves without removing blade cover so that hands and face does not directly contact the blade. Failure to do so may cause personal injury.

NOTE:

- Do not wipe off grease from the gear, plate and crank. Failure to do so may cause damage to the tool.

Removing the shear blades

1. Remove the shear blades from the tool using a screwdriver at your hand.

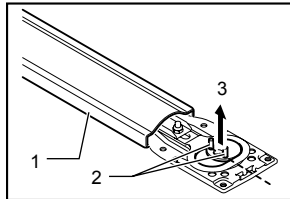


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1. Do not remove this screw.
2. Blade cover
3. Remove blade-securing screws (4 pcs.).

NOTE:

- Be careful not to get your hands dirty as grease is applied in the shear blade driving area.
2. Remove the crank from the shear blades.



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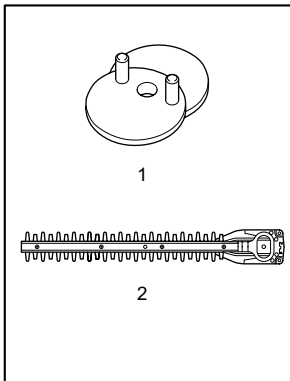
1. Blade cover
2. Pin
3. Direction of removing crank

NOTE:

- The crank can sometimes remain in the tool.

Installing the shear blade

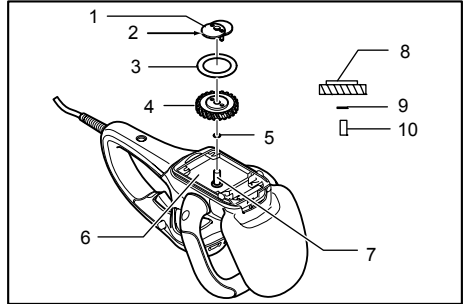
3. Prepare 4 removed screws, crank and new shear blades.



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1. Crank
2. Shear blades

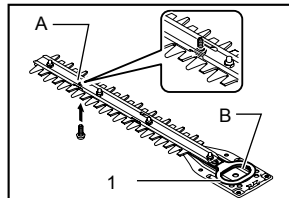
4. Place washer 8, gear, washer 28 and crank onto the pin. At this time, apply some grease remaining shear blades to the periphery of the crank.



1. Crank
2. Apply some grease.
3. Washer 28
4. Gear
5. Washer 8
6. Gear housing
7. Pin
8. Protrusion
9. Gear
10. Pin

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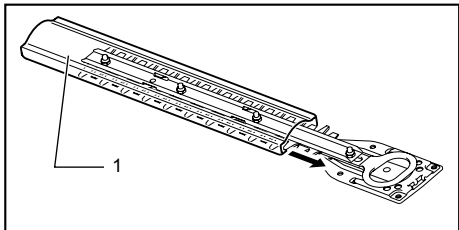
5. Secure the shear blades temporarily by passing the screw through the A hole so that the shear blades does not come out of place. (The holes in upper and lower blades in the B area are just overlapped.) Use one out of four removed screws for this temporary securing.



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1. Overlapped holes in upper and lower blades

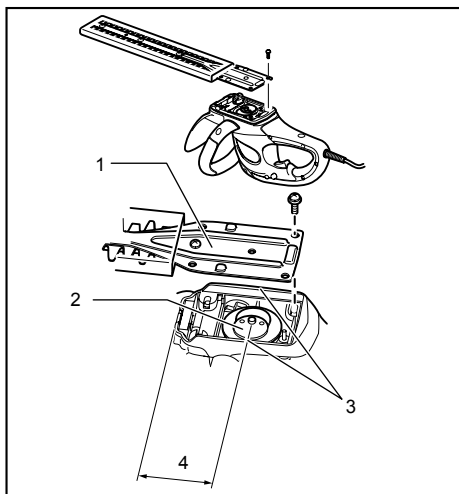
6. Remove the blade cover from the old shear blades and sheathe the new ones using this blade cover so that the new blades can be easily and safely held during the replacement of blades.



1. Blade cover

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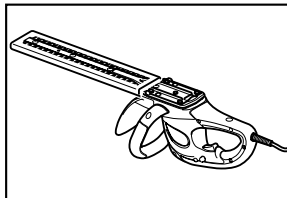
7. Install the new shear blades on the tool as follows. Overturn the shear blades. Secure them with three screws and then remove the remaining one that has been used for temporarily securing the blades and secure them with it.



1. Overturn the blades
2. Crank
3. Align the longer side of crank with marking on the gear housing.
4. Place the crank so that these lines are parallel each other.

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8. Tighten the screws firmly.



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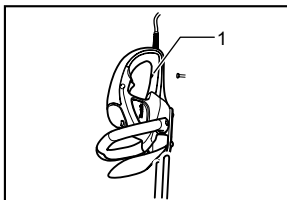
9. Remove the blade cover and then turn on the tool to check it for proper movement.

NOTE:

- When the shear blades does not operate properly, there is a poor fit between the blades and crank. Redo from the beginning.

Storage

The hook hole in the bottom of the tool is convenient for hanging the tool from a nail or screw on the wall.



1. Hook hole

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Put the blade cover on the shear blades so that the blades are not exposed. Store the tool out of the reach of children carefully.

Store the tool in the place not exposed to water and rain. To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita Service Center.

- Extension cord
- Blade cover
- Hook complete
- Shear blade assembly
- Waist cord hook
- Arm cord hook

Makita Corporation