

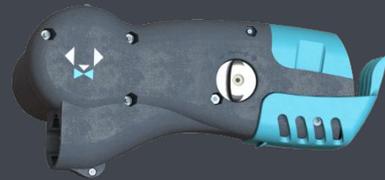


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# Karhia Pro Coat Stripper



## User Manual

Käyttöohje

Bruksanvisning

1-2018

# KARHIA PRO COAT STRIPPER

## General description

KarhiaPro is the world's first trimmer for stripping wire-coated dogs. The machine mimics hand stripping, but is much faster. For this reason, the machine removes much less hair with each movement, which is more pleasant for the dog. The machine considerably reduces the load on the user's fingers.

The KarhiaPro trimmer has a powerful 24V engine. The machine's stripping power can be adjusted, however, to suit the dog, meaning it does not remove tightly growing hair.

The machine has a belt and a stripping paw which remove old, mature hair with stripping movements.

The machine carries out 1,800 stripping movements per minute. When the stripping paw is worn out, it is replaced. The hair passes through the hose to the KarhiaTube container or vacuum cleaner, ensuring a clean room. The KarhiaTube container can also be used to check easily how the hair starts to detach. You can use an ordinary household vacuum cleaner (permitted suction: 600-2500 W) with the KarhiaPro trimmer.

## Environmental protection

The packaging materials are recyclable. Do not treat the packaging as household waste. Recycle them instead. Used appliances contain valuable recyclable materials that should be recycled. For this reason, dispose of used appliances in the appropriate recycling facilities.



## Tekniset tiedot

The KarhiaPro trimmer has been developed for professional groomers. When the safety instructions are followed, the machine is suitable for home use.

Model: KarhiaPro v 1.0  
Voltage: 24V / 1.5A / 36W  
Speed: 1800 rpm (500 - 2500 rpm)  
Machine weight: 517 g  
Suction hose weight: 483 g  
Sound level (at 1 m): <60 dB  
Vibration (hand): <2.5 m/s<sup>2</sup>

Designed and assembled in Finland.

Instructions compiled on: 13/12/2017

The original version of the instructions: a Finnish-language version of this manual.

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## 1. COMPONENT DESCRIPTION

The following lists the parts of the KarhiaPro. Please note that, depending on the version you bought, the package may not contain all parts.

- |                                       |                                          |
|---------------------------------------|------------------------------------------|
| 1. On/off lever                       | 7. Stripping paw                         |
| 2. Engine cooling holes (in the back) | 8. Adapter                               |
| 3. Hood                               | 9. Transformer                           |
| 4. Stripping arm                      | 10. Belt package (belt and belt carrier) |
| 5. Stripping power adjustment         | 11. Hose                                 |
| 6. Comb                               | 12. KarhiaTube container                 |



## 2. SAFETY

### 2.1. General

Please read the instructions, in particular, the "Safety" section, before you start using the KarhiaPro machine. Knowledge of the instructions helps protect you against dangerous situations and helps you use the machine correctly. Keep the instructions for future reference. If you give the machine to someone else, give them the instructions, too.

### 2.2. Intended use

The KarhiaPro should only be used for stripping wire-coated dogs. The machine has been developed for professional groomers. When the safety instructions are followed, the machine is suitable for home use.

### 2.3. Operating environment

The KarhiaPro can be used in a normal grooming shop environment or at home. The permitted operating temperature is between +5° and +35° Celsius.

### 2.4. Safety instructions

- Do not allow the machine, hose, adapter, KarhiaTube container or transformer to get wet. If any of these parts comes into contact with water or any other liquid, disconnect it from the mains immediately. Send the machine (or the wet part) to the manufacturer for inspection before attempting to use it again.
- The machine may not be connected to any power source other than the power source supplied with the device. If the power supply breaks down after the warranty period, you can buy a new one in the Karhia online store.
- Do not use the machine in the bath or shower.
- Do not allow the machine to fall into water or other liquids
- Do not store the machine in a place where it may fall into water or other liquids.
- Do not open the housing of the machine.
- Turn the device off and disconnect the plug from the mains while you are cleaning or maintaining it.
- Never leave a turned on electrical device unattended.
- Unplug the machine from the mains immediately after use.
- Unplug the machine from the mains before cleaning or removing and replacing parts.
- Do not allow the machine to be used by children or persons with limited physical or mental ability.
- Use the machine only for the purposes stated in the instructions.
- Do not use the machine without the hood and comb attachment.
- Do not use the machine if any part is broken or damaged.
- If the sound level or vibration of the machine changes unexpectedly and significantly, do not use the machine.
- Dispose of an unusable machine or a part of it in accordance with official regulations.
- Do not leave the machine or parts of it on a hot surface.
- Do not drop or insert anything into the slots on the machine.
- The machine turns off if something larger than usual is placed in the slots.
- Nothing may be placed on the hose. Do not step on it.
- The machine may not be used without suction (suction attachment), as hairs might clog up the machine, or the machine might over-heat.
- If you notice that the machine engine or belt package has heated up considerably, stop using the machine. Wait 5 minutes before touching the belt package.

- Use only KarhiaPro trimmer branded spare parts.
- Do not use a broken stripping paw or belt. Check the condition of the stripping paw and belt at regular intervals, and keep an eye on their wear and tear. Unplug the machine from the mains before you inspect it, or if you need to touch the stripping paw or stripping arm.
- Do not clean the machine with petrol, alcohol or other solvents.
- The machine must not be used for any purpose other than for stripping the hair of wire-coated dogs who are fit to be stripped. It may not be used for human hair removal or cleaning upholstery with long threads, for example.

## 2.5. Safety during use

- The machine must be turned off in the following cases:
  - When you release your hold on the machine (for example, when taking a break from trimming).
  - When you adjust the comb distance.
- The machine must be unplugged from the mains in the following cases:
  - When you change the stripping paw or check its condition.
  - When removing hairs from inside the machine or around the belt package.
- When you change the stripping paw, check that it is secure by tugging it in the direction of hair removal while holding on to the front and rear surfaces of the stripping paw. The stripping paw must be locked before starting to strip.
- Do not leave the machine on the trimming table at the same time as the dog.
- The KarhiaPro trimmer may not be used to strip hair on dogs' ears.
- Avoid stripping near the dog's ears. When stripping lop-eared dogs, the ear can end up inside the machine, especially when using a

vacuum with high suction. The machine may damage dogs' ears.

- Do not insert any foreign objects into the machine.
- Do not insert fingers into the machine while it is running. Even though it has limited power, the machine can injure fingers.
- The KarhiaPro trimmer may not be used to trim straggly, tangled hair.
- Do not use the machine without the stripping paw.
- If the machine does not switch off at the on/off switch because of faulty parts, remove the machine from the hose or unplug the transformer from the mains.

## 3. PREPARATIONS BEFORE USE

### 3.1. Getting the machine ready

Take the machine and other parts out of their packaging. Connect the adapter to the Karhia Tube container (fig. 1) and attach the transformer to the adapter (fig. 2).



Attach one end of the hose (female end) to the machine (fig. 3) and the other end of the hose (male end) to the adapter (fig. 4). Check that the parts match. Do not try to force them in.



If you want to attach another stripping paw to the machine, see the instructions for choosing and changing parts in the “Choosing a stripping paw” and “Changing a stripping paw” sections.

Attach the KarhiaTube container to the hose of a normal domestic or central vacuum cleaner (fig. 5). Attach the adapter cord to a mains socket.



### 3.2. Preparing the coat before stripping

**NB!** Do not wash the dog's coat for a week or two before stripping.

Comb the coat thoroughly and remove or comb out tangles. If the dog has a lot of undercoat, it must be removed using special tools. This makes stripping considerably easier. If the dog has soft hair on its legs or elsewhere, or if it has been trimmed with clippers and the hair has softened, do not strip these areas using the machine. We recommend you familiarise yourself with breed-specific trimming instructions beforehand.

## 4. USE

### 4.1. General

Once you've done the preparations and removed tangles you can start the trimming. The machine is moved against the grain. When moved against the grain, the stripping motion is done with the grain, just like when hand-stripped.

**NB!**

Adjust the stripping power only when the device is turned on (fig. 6)



Always set the stripping power to the minimum before you finish using the machine (fig. 7). If the stripping power remains set to high, the

machinery is strained and the service life of the machine is reduced.



The machine may not be used without suction. The machine will break if you use it when suction is not turned on.

The hair to be stripped must be wiry and ready for stripping.

#### 4.2. Turning on and off

First turn on the vacuum cleaner and then the KarhiaPro machine by sliding the switch to "on". To turn the machine off, slide the switch to "off".

Ensure that the power level of the machine is set to a minimum. If it is possible to adjust the power of the vacuum, set it to medium for short-haired dogs. When grooming long-haired dogs, the suction should be set to maximum power. Place the comb that comes with the machine firmly against the dog's skin and hold tight to the skin with your other hand. Start stripping hair on the dog's back. The Karhia-Tube container can be used to check how the hair starts to detach. Move the machine slowly. Start to increase the area you started in.

#### 4.3. Stripping power adjustment

Before starting trimming, adjust the stripping power while the machine is on by turning the power knob to direction marked with (+). Increase the power until the rubber stripping belt starts to rotate with the stripping paw.

Start by trimming a small area on the dog's back while keeping the dog's skin tight with your other hand. Increase the stripping power gradually. When the machine starts to remove the hair, you can usually increase the power even more and thus speed up the trimming. If the dog starts to react with the too high stripping power, decrease the strength.

Stripping paws wear out little by little, so depending on the type of trimmed hair you may need to increase the stripping power as the work progresses.

#### 4.4. Comb distance adjustment

The comb distance adjustment allows you to optimise stripping for coats of different lengths. The comb can be adjusted to three different distances. Move the comb by releasing the latch on the bottom of the handle (fig. 8).



When the hair is short, that is, down to a few centimetres, the comb can be kept at the shortest setting, as close as possible to the stripping paw and belt.

If a new, shorter layer of top coat has grown, adjust the comb further away from the stripping paw and belt.

You will find the best distance by trying different settings during trimming and looking at how the hair detaches.

#### 4.5. Choosing a stripping paw

Dogs' coats are unique. Their hair can be dense or thin and detach easily or with more difficulty. Some dogs' hair can come off the back easily, for example, while their neck hair might be tighter. The following table gives instructions for choosing a stripping paw.

| Name                        | Description                                                                                      | Shape                                                                             |
|-----------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Stripping Paw - Rake</b> | A paw with fewer teeth which removes less hair at a time. For stripping dense, firm hair.        |  |
| <b>Stripping Paw - Flat</b> | A flat paw that removes more hair at a time. For stripping thin, weak and easily removable hair. |  |

#### NB!

The table is for guidance purposes only. By experimenting you can find an option to suit all coats. Here, too, practice makes perfect! Listen to and look at the dog while you work. Some dogs can have weak, easily removable hair, but can react more easily. In that case, use the Rake paw.

#### 4.6. Grooming tips

- Always start grooming by combing the dog's coat and removing the undercoat if necessary.
- Adjust the comb to the right distance.
- Keep the dog's skin tight with your other hand. The closer from the machine you keep the skin tight, the better the machine does the job.
- Always press the trimmer firmly against the dog's back to prevent the dog's skin from moving.

- When you find a suitable stripping power and the hair begins to detach, trim a small area to the dog's back and start to enlarge it calmly.
- If the dog has a tight or dense coat, take just half of comb's width of hair inside the machine. Progress calmly, moving the machine quickly does not speed up the trimming. Give the machine time to do the plucking.
- Check occasionally that the stripping paw is unbroken or worn out. Trimming with broken stripping paw may damage the stripping belt.
- Long or otherwise challenging hair can be usually removed best by taking some hair inside the device and then start to move the device backwards. This way the dog's skin usually stays tight. You can also progress by moving the machine back and forth. The machine plucks hair also when moved backwards.
- When you finish trimming, remember to adjust the stripping power to the minimum. The lifetime of the machine can shorten if the machine is stored with the high stripping power for a long time.

You can find more tutorials from:

- [www.karhia.com](http://www.karhia.com)
- our Youtube channel
- our Facebook pages.

#### 4.7. Changing the stripping paw

Take the machine by the hood and lift it off by pressing gently (fig. 9).



Remove the comb and lift the stripping arm up (fig. 10).



Support the stripping paw with your thumb and put your index and middle fingers on the wings. Press gently with your thumb to "open" the paw, then remove the paw (fig. 11).



Choose a new paw and put it in place by pressing the paw "open" in the same way as during removal (fig. 12). Make sure it is firmly attached by tugging it.



## 5. STORAGE AND CLEANING

### 5.1. Storage

You can store the hose, machine, transformer and stripping paws in the KarhiaTube container (fig. 13).



### 5.2. Cleaning

You can wipe the housing of the machine with a damp cloth. You can use a mild detergent. If hair remains in the machine, lift the hood and remove the visible hair.

If the dog's coat is oily or dirty, the stripping paw and belt get dirty more quickly, and the hair will no longer detach at the desired speed.

You can clean the stripping paw and belt by wiping away grease and other dirt from the surfaces, for example, with a damp cloth, paper or cotton wool and washing-up liquid. You can also disinfect the machine in this way.

You can clean the comb with a toothbrush and mild detergent, for example. Allow the stripping paw and belt, and the comb, to dry before use.

### 5.3. Belt package removal and cleaning

Remove the comb. Unscrew the screws of the belt package from both sides of the machine (fig. 14). Pull the belt package out (fig. 15).



If hair has got under the belt or the belt does not turn easily, carefully pull the belt out from the carrier (fig. 16) and remove any hairs.



You can also remove the end rolls of the belt package by pulling them. Detach them and remove any hairs from around the carrier (fig. 17).



Remove the hairs and install the belt package by gently pushing it back into the machine using in the indicated "IN ->" direction. If the belt package does not go back in easily, make sure that you are inserting it the right way (fig. 18).



## 6. MAINTENANCE

The mechanics of the machine have been lubricated in the factory and do not need to be maintained or lubricated. Please leave all other maintenance procedures, other than the ones mentioned in these instructions, to Karhia Service. You can find instructions for sending your machine for servicing at [www.karhia.com](http://www.karhia.com).

## 7. TROUBLESHOOTING

The following table presents typical problem situations and instructions for solving them. If the table does not contain a solution to your problem, search for more instructions at [www.karhia.com](http://www.karhia.com) or contact our customer service team.

| Problem                                           | Solution                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>The device does not turn on</b>                | Check that the transformer cord is undamaged and that it is firmly plugged into the mains. Check, too, that all the connecting points on the hose are attached as they should be.                                                                                                                                |
| <b>The machine is running, but does not strip</b> | Excess hair has probably got into the machine. Turn off the machine, unplug from the mains and remove the hair from the machine.                                                                                                                                                                                 |
| <b>The belt does not rotate</b>                   | Excess hair has probably accumulated around the belt. Turn off the machine and unplug from the mains. Remove the hair from around the belt package. See the "Belt package removal and cleaning" section of the instructions.                                                                                     |
| <b>Hair clogs up the machine</b>                  | Check that the vacuum you are using works and that its hose is attached firmly in the KarhiaTube container (or in the KarhiaPro hose, if you are not using a KarhiaTube container). There is enough suction if you can feel it at the opening of the KarhiaPro machine. If possible, try turning the suction up. |
| <b>The machine overheats</b>                      | Suction is off or too weak. Check that the vacuum is working. Turn the suction up. Excess hair has gathered in the machine and blocks the flow of air. Clean out hair from the inside of the machine.                                                                                                            |