Headlight Restoration KIT with Polymerization Finish

MANUAL

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Description:

The Headlight Restoration KIT is an innovative system that allows restoring the sunburned headlights, giving them the original state and brightness and perfect finish in a very fast and economical way.

Safety:

During use, wear a mask to prevent direct inhalation of the product.
Do not smoke when using.
Keep away from children, pregnant women and the elderly.
Do not swallow the product.

Use:

To make the headlights brighter and more perfect, read the instructions carefully. The product should not be exposed to the sun so the restoration work must be done indoors or shaded.

1- Cleaning

Clean the surface of the optics with a clean cloth.

2 - Isolation

Isolate the boundary zones with isolation paper and paint tape to avoid damaging the edges or paint.

3 - Sanding

Sanding must be done very rigorously and the surface of the headlights must be sanded in a completely uniform way, this will guarantee a perfect finish.

The sanding process can be carried out in two ways: manually or with machine. The sandpaper grain used will depend on damage of the headlights:

- P150 -P180 for headlights that have been previously varnished
- P240 for heavily damaged headlights
- P320 to remove the risks left by the P240
- P500 to remove the risks left by the P320
- P800 to remove the risks left by the P500
- P1000 to remove the risks left by the P800
- P1200 to remove the risks left by the P1000

If you intend to have a sublime finish, the sanding process should be finished with grain P1500 to P2000.

Manual sanding

In the process of manual sanding, water sandpaper should be used. It is recommended that in the use of this process the direction of the sanding movement is changed for each use of a new grain, for example: (P180) sanding with transverse movements, the next sandpaper (P240) should be used with vertical movements, except in edges that must be carefully sanded to avoid damage.
After the sanding process has finished, the moisture must be dried on the headlight surface with a paper towel. The surface of the headlight is uniform and smooth, white and with no sanding marks. The headlights are now ready to be restored.

Machine sanding

In the process of sanding with machine it is recommended to use sandpaper discs without holes. Discs with holes can leave micro scratches and thus will not allow such a perfect finish. Corner areas may need to be sanded manually so there is no risk of damaging the paint.

4- Finishing

After the sanding process, the finishing must be done with the fumigation system that gives the headlights a polymerizing finish.
Pour 60ml to 80mL of finishing product into the cup, if you put more product there is no problem because the excess can be reused. However you should ensure a proper initial dosage so that you can do the whole job at one go.

Turn on the equipment to heat the product and wait about three minutes. Take the cup by the handle, use your right hand to hold the cup and left hand to hold the gas outlet pipe. The right hand can give a little shaking to the cup so that the liquid inside can be fully heated, this way the gas will come out uniform.

The product in the gaseous state will then start to come out of the exit pipe of the cup and the finish begins.

Make sure that the released vapor is coming into contact with the entire headlight surface. Maintain uniform speed and you will see that the area exposed to steam will immediately become clear and smooth.

Remember: if it is bright, you do not need to repeat passages, if there are deep scratches, let the steam work a bit more in that zone.

After the restoration is complete, turn off the cup immediately, wait two minutes, open the lid and take the remaining product back into the bottle.

IMPORTANT: Whenever the equipment is not in use, it must be disconnected from the power line, as the overheating can cause damage. **DO NOT KEEP EQUIPMENT CONNECTED FOR TIME PERIODS GREATER THAN 5 MINUTES.**

5- Precautions and Frequently Asked Questions:

1. **Liquid drops on the headlights: causes and solutions**
   The fluid used in the headlights restoration is a highly volatile product, the cold keeps it in liquid form. When the fluid is heated, it passes to the gaseous state. The steam will accumulate on the wall of the outlet tube, when the vapor condenses, the wall with the condensed liquid (similar to water, may drip), it is necessary to pay attention, do not leave the gas pipe down. Or, as soon as you see condensed drops of fluid, immediately straighten the outlet tube, if it accidentally drips, proceed as follows;
   - First complete the headlight repair.
   - Recover the excess product and place it in the bottle as if the repair had finished.
   - Wait five minutes and sand with P320, P500, P800, P1000 and P1200 sandpaper. After sanding has finished, use a cloth to clean the headlight surface.
   - Finally repeat the finishing procedure on the affected area.

2. **Fumigation, what to know?**
   The restoration headlight process is called Fumigation. It is a method of chemical treatment carried out with volatile chemical compounds (in the vapor or gas state).

3. **Precautions**
   - For a successful finish do not neglect the sanding work. Do the finishing only when the entire headlight surface is completely uniform.
   - Use a constant speed when applying the finishing product.
   - Do not use this method when it is windy, the steam will be carry out away from the area to be restored.
   - Do not forget to, after the repair is complete, turning off immediately the cup and after two minutes put the excess product in the original bottle.

The fumigation process brings several advantages to the traditional restoration process. Its simplicity, time consumption, product reuse are the main advantages. This method gives also a finish of excellent quality and durability.

Step by step for headlight restoration:

1- Cleaning; 2- Isolation; 3- Sanding; 4- Finishing; 5- Disconnecting the equipment from the power source; 6- Save the excess product; 7- Store the equipment.

EU Declaration of Conformity

Hereby, we declare that the product Headlight Restoration Kit was designed and manufactured in accordance with the following European directives:

- EU Directive 2014/35/EU - LVT
- EU Directive 2011/65/EU - RoHS
- EU Directive 2014/30/EU – EMC

The concurrence of the specified product with the requirements of Directive 2014/30/EU is proven by the observance of the following standards:

EN 55014-1:2017; EN 55014-2:2015; EN 61000-3-2:2014; EN 61000-3-3:2013
EN 60335-245:2002+A1:2008+A2:2012 used inconjunction with EN 60335-1:2012+A11:2014+A13:2017

This declaration certifies the compliance with the aforementioned Directives, but does not encompass any assurances with regard to properties in a legal sense. The safety information in the supplied product documentation must be observed.