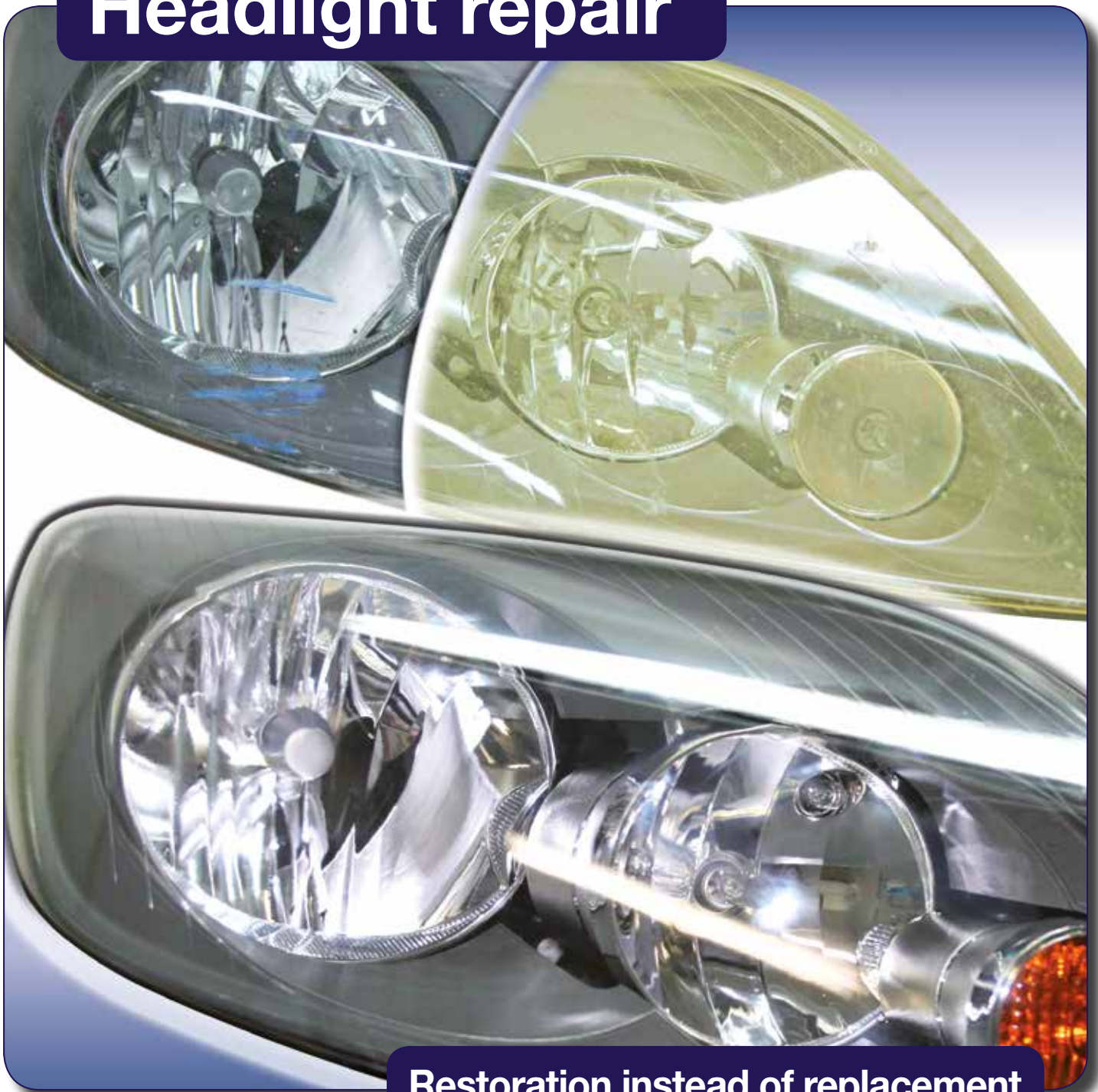


Headlight repair



Restoration instead of replacement

Headlight repair

The alternative - restoration instead of replacement

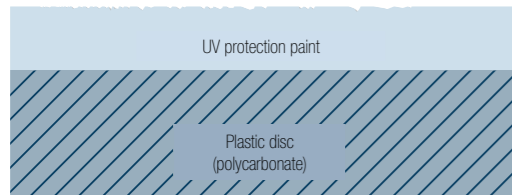
Vehicle headlight polycarbonate covers are permanently exposed to a variety of external impacts. Stone chips, UV- light, damages during parking and other mechanical influences dull the surfaces of the polycarbonate covers or leave scratches and marks.

- Restoration instead of replacement. Paint instead of polishing
- Can be used on all polycarbonate headlight covers
- Water-based primer protects the polycarbonate
- Water-based primer guarantees adhesion to the surface and for the clearcoat
- High elasticity of the new coat
- Permanent protection thanks to subsequent protective coating finish

OEM tested and recommended

Preparation

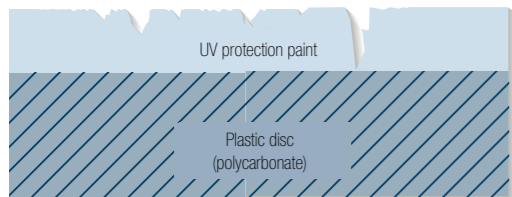
Superficial weathering damage, yellowing



- 2 manual work steps
- Cleaning the headlight
- Sanding step 1 (Abralon P1000)
- Sanding step 2 (Abralon P3000)
- Sealing step 1 / SprayMax Headlight primer
- Sealing step 2 / SprayMax 2K Headlight clearcoat

Repair

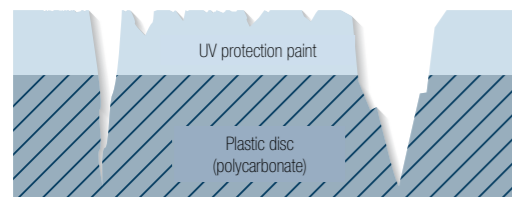
Scratches, stone chips (in UV coated layer) or down to the plastic



- 6 mechanical work steps
- Cleaning the headlight
- Sanding step 1 – 6 (P180 - P3000, mechanical)
- Sealing step 1 / SprayMax Headlight primer
- Sealing step 2 / SprayMax 2K Headlight clearcoat

No Repair

Strong damage of the plastic surface



- No Repair, replacement

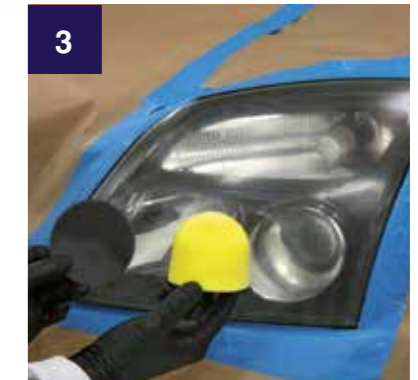
Headlight repair process*



1 BEFORE
Matting / yellowing, slight superficial scratches to the coating.



2 CLEANING
Mask the rear part of the headlight and clean the surface with SprayMax Aqua Silicone remover.



3 SANDING
Completely sand the headlight pane manually with P1000 and P3000 (recommendation: Mirka Abralon)



4 CLEANING
Clean, remove abrasive dust with tag rag and SprayMax Aqua Silicone remover.



5 APPLY PRIMER
Apply SprayMax Headlight Primer with one spray pass to surface until a continuous, dull film is created.



6 PRIMER APPLIED
Primer appears dull / milky after drying.



7 APPLY 2K CLEARCOAT
Apply a very thin (misty) layer of Clearcoat first, directly followed by continuous. Film-forming spray pass.



8 DRYING
Drying at 20°C room temperature over night.



9 AFTER
Headlight lens is clear. Matting, yellowing is gone.

* For more product information see technical data sheet or process description.

Technical Data



Headlight primer, 250 ml
Art.No.: 684 098



Headlight clearcoat, 250 ml
Art.No: 684 066



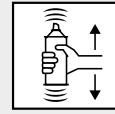
Pre-treatment
Prepare headlight lens according to process description (sand/clean).



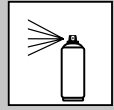
Pre-treatment
Prepare headlight lens according to process description (only use AFTER application and drying of the Headlight primer).



Preparation
Shake well for 2 minutes.



Preparation
Activate 2K – can according to description (shake/activate/shake). Spray to test.



Test
Spray to test.



Spray pass
Create a thin, film-forming coating with approx. 1,5 spray passes.



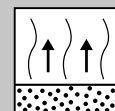
Spray pass
Create a continuous film (approx. 6 µm) by applying one rich spray pass with Headlight primer. (looks milky while in wet condition).



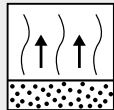
Spray distance
15 – 20 cm



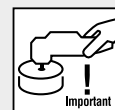
Spray distance
10 – 15 cm



Drying
20 °C: overnight;
forced: Meet a final flash-off time of 10 min then dry for 30 min at 60 °C object temperature.



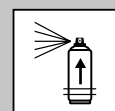
Drying
Allow to dry for approx. 40 min at 20°C. Alternatively dry with Dry Jet or Heater (max. 40°C) after 10 min. flash off time.



Continue
After drying overnight at room temperature (20 °C) or 30 min at 60 °C, if necessary use recommended fine polish against dust inclusions.



Attention
Headlight primer looks slightly milky after drying. Full transparency is achieved after applying the subsequent protective coating. After flashing off, overcoat with 2K Headlight clearcoat.



Potlife / Processing time
approx. 14h / 20°C room temperature. Processing time depends on ambient temperature. Higher temperatures lead to a shorter / lower temperatures to a longer pot life.



Aqua Silicone Remover
Art.No.: 680 094



Headlight repair set
Art.No.: 684 099



Headlight repair case
Art.No.: 680 485



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