

No. 519: Automobile parts: Removing paint runs

Description

This application example describes the removal and/or polishing out paint runs on chassis parts.

When painting chassis parts, paint runs can often occur as a result of excess material application, particularly on trim rails, keyholes or overlapping parts (door to mudguards). In this case, the car painter is faced with the problem of removing the paint run quickly and without causing further problems.

Previous procedure

As polishing with angle polishers can lead to waves in the paint surface, large amounts of energy and time consuming polishing-out by hand is required at this point.

Solution

Paint runs on chassis parts can be removed and polished out quickly and efficiently using the Festool-*ROTEX*[®] and the respective polishing accessories. The movement of the "rotary/eccentric motion" ensures an intensive polishing action and prevents the polish being spun out of the polishing area. At the same time, the *ROTEX*[®] rotary/eccentric motion prevents the paint from heating up (max. 40° C). This greatly reduces the danger of the paint surface changing whilst polishing.

Machinery/Accessories

- *ROTEX*[®] RO 150 E
- STF D 150 polishing pad
- STF D 150 polishing sponge (fine, honeycombed)

Other accessories:

- Festool MPA 8 000 (polish, medium)
- Festool MPA 11 000 (fine polish)
- Microfibre cloth
- Spot sander Ø 36
- Festool Titan[®] 2 F 3000 Ø 36
- Festool Platin[®] 2 S 4000 Ø 150

Alternative to RO 150 E:

- *ROTEX*[®] RO 125 FEQ
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Preparation:

1. Paint surface must have dried sufficiently (oven drying).
2. Allow the paint surface to dry for about 1 hour after oven drying.
3. Using a sanding block and wet sanding paper P 1200, carefully sand down paint runs by hand until the paint surface is flat again.
4. Continue sanding with a spot sander and self-adhesive sanding disc Festool Titan[®] 2 F 3000
5. Re-sand with *ROTEX*[®] and Festool Platin[®] 2 S 4000.
6. Wipe off and dry surface with green microfibre cloth.

Tip: Dry surface afterwards with an infrared dryer.

Procedure – pre-polishing



1. Set the side rotary button on the *ROTEX*[®] so that it is pointing to the front (coarse sanding) for *ROTEX*[®] rotary/eccentric motion.
2. Attach polishing sponge, fine, honeycombed, to the polishing pad. Apply MPA 8000 polish to the polishing sponge.
3. To spread the polish, set the machine's speed control to setting 1. Accelerate the machine to speed level 4 – 6. Polish the sanded surface (resting machine flat on surface).
4. Wipe off dry polish residue using the grey microfibre cloth.

NB:

The *ROTEX*[®] rotary/eccentric motion ensures an intensive polishing action and prevents the polish being spun out of the polishing area. The paint hardly warms up because of the low speed in comparison to angle polishers. In order to prevent the polish from being spun off when switching on the machine, do not switch it on until it is resting on the surface to be polished.

Procedure – deep gloss polishing

1. Set the side rotary button on the *ROTEX*[®] so that it is pointing to the front (coarse sanding) for *ROTEX*[®] rotary motion.
2. Attach polishing sponge (fine, honeycombed) to the polishing pad. Apply MPA 11 000 fine polish to the polishing sponge (fine, honeycombed).
3. To spread the polish, set the machine's speed control to setting 1. Accelerate the machine to speed level 4 – 6. Polish the surface using criss-cross action (resting machine flat on surface).
4. Wipe off dry polish residue using the grey microfibre cloth.