

## No. 517: Automobile parts: Removing spraying mist (paint repair)

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This example describes polishing off any spraying mist transition between new coats of paint and old paint surfaces on a chassis section.

The paint sprayer is faced with the problem of achieving a clean colour transition between the paint repair and the old paint surface. For this reason, the sprayer intentionally sprays beyond the repaired area into the existing paint surface. The resulting spraying mist has to be polished out after the paint has thoroughly dried.

### Previous procedure

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Costly labour and time intensive paint preparation by hand or using an angle grinder with danger of:

- overheating and damaging the paintwork (polishing clouds).
- ridge between new and old paint coats

### Solution

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Mechanical polishing out of spraying mist using a Festool *ROTEX*<sup>®</sup>. Thorough, time-saving and safe with *ROTEX*<sup>®</sup> rotary/eccentric motion.

### Machinery/Accessories

- RO 150 E (*ROTEX*<sup>®</sup>)
- STF D 150 polishing pad
- STF D 150 polishing sponge (fine honeycombed)

Other accessories:

- Festool MPA 8000 (polish)
- Optional: MPA 11000 polish
- Microfibre cloth

Alternative to RO 150 E:

- *ROTEX*<sup>®</sup> RO 125 FEQ
  - RAP 150.03 E
  - Pollux 180 E
  - See Polishing Machines Table as well
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## Preparation



- As it is virtually impossible to exclude sponge/polish coming into contact with plastic parts, we recommend covering bumpers, extensions etc. before polishing.
- The fresh paint must be sufficiently dry before polishing.

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1. Set the side rotary button on the *ROTEX*<sup>®</sup> so that it is pointing to the front (coarse sanding) for *ROTEX*<sup>®</sup> 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*<sup>®</sup> 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 the machine on, do not turn it on until it is resting on the surface to be polished.

## Optional degree of gloss increase

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5. Set the side rotary button on the *ROTEX*<sup>®</sup> so that it is pointing to the front (coarse sanding) for *ROTEX*<sup>®</sup> rotary/eccentric motion.
  6. Attach polishing sponge, fine honeycombed, to the polishing pad. Apply MPA 11000 polish to the polishing sponge.
  7. 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).

Wipe off dry polish residue using the grey microfibre cloth.

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## Important

- Polishing is no more than fine sanding. Polishes vary in aggressiveness depending on the manufacturer.
- Because of the heat sensitivity of the paint, we recommend that you do not carry out polishing work in direct sunlight.
- The area where polishing is being carried out should be protected from dust (to avoid scratching).

<b>Polishing Machines Table</b>				
	<b>Area of use</b>	<b>Recommendation</b>	<b>Polishing pad Ø max.</b>	<b>Weight</b>
<b>RO 150 E</b>	Universal use (sanding + polishing)	Non-dangerous to use (even for less experienced users)	150 mm	2.3 kg
<b>RO 125 FEQ</b>	Universal use (sanding + polishing)	Non-dangerous to use (even for less experienced users)	125 mm	1.9 kg
<b>RAP 80 E</b>	Small surfaces (spot polishing)	For daily professional use	80 mm	1.6 kg
<b>RAP 150 E</b>	Universal use	For daily professional use	150 mm	2.7 kg
<b>Pollux 180 E</b>	Ideal for medium to large areas	For daily professional use	180 mm	3.6 kg

Our sample applications are recommendations that have been tried and tested in practice. The various outline conditions, however, lie completely outside our area of influence. For this reason we are unable to provide any guarantee whatsoever. Legal claims against us cannot be derived from the contents hereof. Please observe without fail the safety and operating instructions included with the product.