

## **AXIS M39-R And AXIS P39-R Series**

**AXIS M3945-R**

**AXIS P3945-R**

**AXIS P3947-R**

## Impact on warranty

This product is approved for repaint by Axis, provided that you follow the instructions in this document and at [axis.com/warranty-implication-when-repainting](https://axis.com/warranty-implication-when-repainting).

## Risks with repainting

There are several risks when disassembling or assembling an Axis product. Training of operators and the use of correct tools mediates some of the problems but they can never be fully avoided. Some of the risks include:

**ESD Damage** – Always handle the product in an ESD safe environment. Even if precautions are taken there is always a risk of ESD damage. The damage can remain undetected and cause problems during the lifetime of the equipment.

**Dust contamination** – Opening a camera may expose the lens and sensor to dust or paint. Dust will affect the optical performance. Lenses need to be disassembled in a dust-free environment, preferably a cleanroom.

**Paint overspray** – Masking the different components of the equipment is critical. Failure to mask sensitive areas can cause problems when assembling the equipment. Areas not painted at the factory or which have a different surface treatment than the parts to be painted (threads, ground and electrical contact surfaces) must also be masked to ensure function.

## Repaint the product

### Preparations

- If applicable, disassemble the device according to the instructions in this document.
- Clean all parts that will be repainted thoroughly to remove grease, dust, or oil.
- To ensure reassembly and functionality of the product, mask any openings (for example for screws, LED indicators, or microphones) before you paint.

### Pretreatment of parts

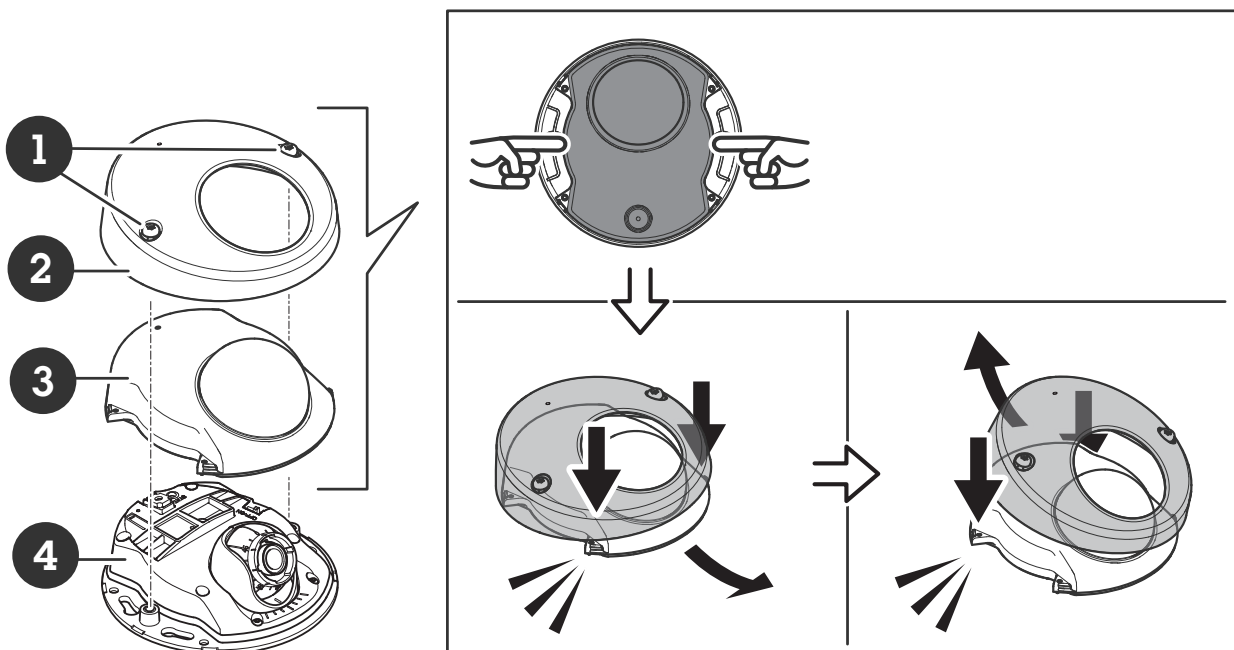
Depending on the part material and type of coating applied at the factory, pretreatment might be necessary for the new coating to adhere well. Before you apply a new coating, we recommend the following pretreatment:

1. If necessary, roughen up the surface with a light sandpaper or similar to increase adhesion. Alternatively, remove the original coating down to the base material.
2. Clean the parts properly to remove oil, grease, and dust.
3. If necessary, apply a primer layer suitable for the specific material, to increase adhesion to the parts. For metal parts on outdoor products, we recommend a primer to improve corrosion resistance.

We recommend pretreatment of parts that are:

- powder-coated
- wet-painted
- anodised
- chromated
- stainless steel
- other metal
- plastic

### Disassembly



1 TR20 screws

- 2 Dome cover
- 3 Dome
- 4 Camera

1. Loosen the TR20 screws.
2. Remove the dome cover.
3. From the inside of the dome cover, use two fingers to press the middle part of the dome.
4. Make sure the dome releases from the dome cover and remove the dome.

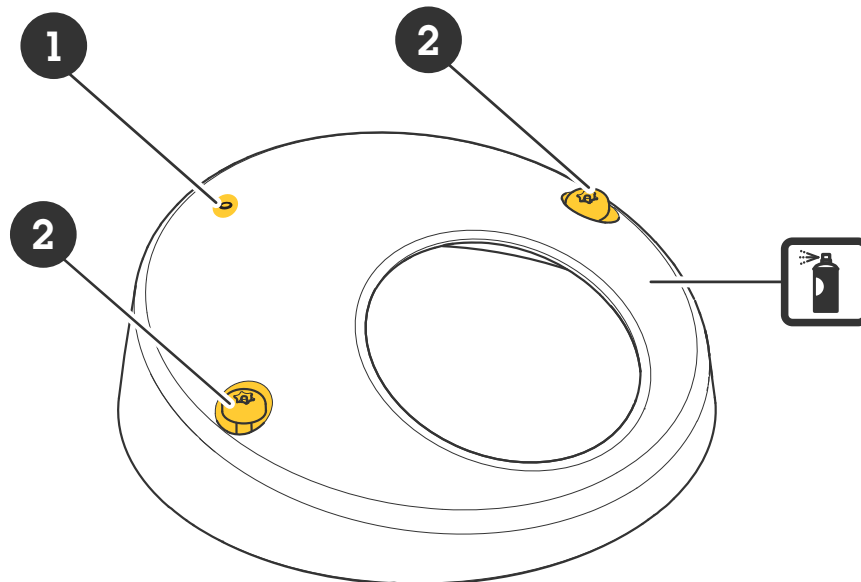
## Repainting

1. Make sure all necessary preparations of the dome cover have been made. See *Preparations, on page 3*.

### ⚠ CAUTION

Make sure the paint does not clog the mic hole (1). If paint clogs the mic hole (1), the microphone will not register any sound.

Make sure not to paint the two screw holes (2) on the cover. If paint clogs the two screw holes (2), you can't reassemble the camera.



- 1 Mic hole
- 2 Screw hole

2. Apply a thin and even layer of spray paint according to the instructions of the paint manufacturer.
3. Let the paint dry.
4. To get a better coverage and clearer color, apply a second layer of spray paint.
5. When the paint is dry, remove the masking.

## Reassembly

1. Put the dome in the dome cover.
2. Use two fingers to press the middle part of the dome and make sure it locks in place.
3. Attach the dome cover to the camera.
4. Fasten the screws with 1.2 N m (0.89 lb ft).



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