

3.6 Mechanical damages

3.6.1 Installation errors

When a fuel pump is installed or removed incorrectly, the gasket, housing and connections (electric, fuel) can be damaged.

■ Fastening without locking

In the case of types E2T and E3T toothed ring pumps when the fuel connection line is tightened, often the counterpiece on the pump housing is not locked in place. Therefore the entire pump cover with the connections is twisted in the housing. This crushes the sealing ring that lies under the cover.

By twisting the pumping mechanism, the O ring that seals off the housing from the cover is often displaced or damaged. The pump then leaks at the flanging.

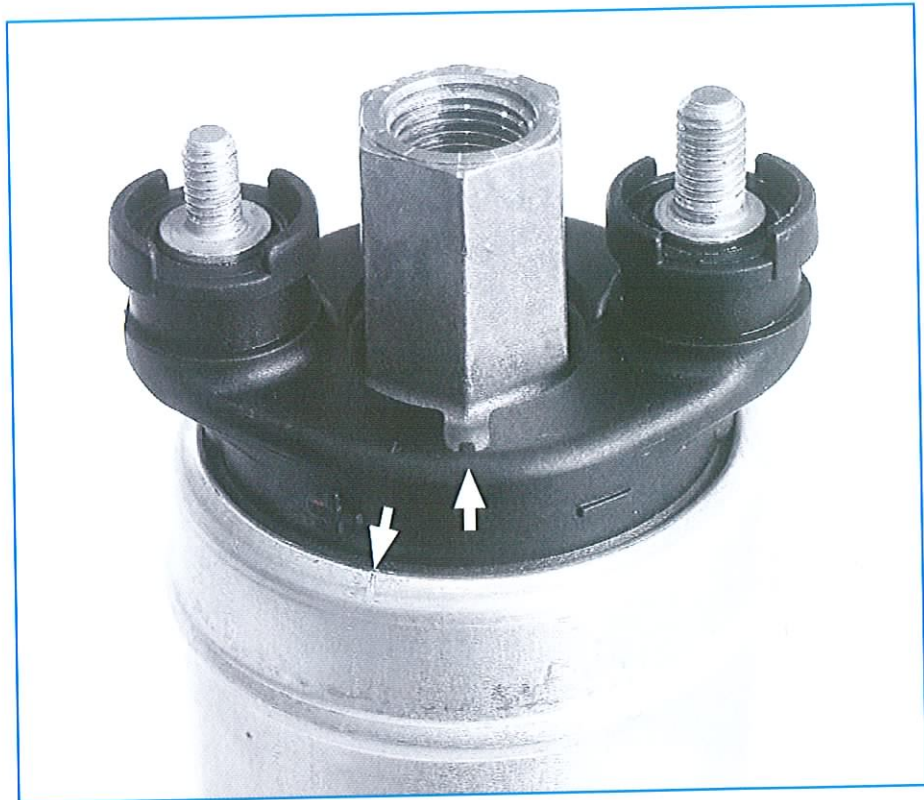


Fig. 69 Twisted pump cover
Types E2T and E3T fuel pumps have markings. These marking must face each other. If they don't, the pump has been handled incorrectly and has become damaged.

⚠ Important installation instructions:

When the connection line is being tightened, the lower hexagonal bolt of the fuel pump must be locked because otherwise this could cause the fuel pump to leak.

Leaky fuel pumps increase the danger of fire!

Before delivery, all fuel pumps undergo a quality and function check in the plant. Such damages can occur subsequently due to improper handling.



Fig. 70 Incorrect installation:
Fastening without locking



Fig. 71 Correct installation:
The lower hexagonal bolt of the fuel pump must be locked in place

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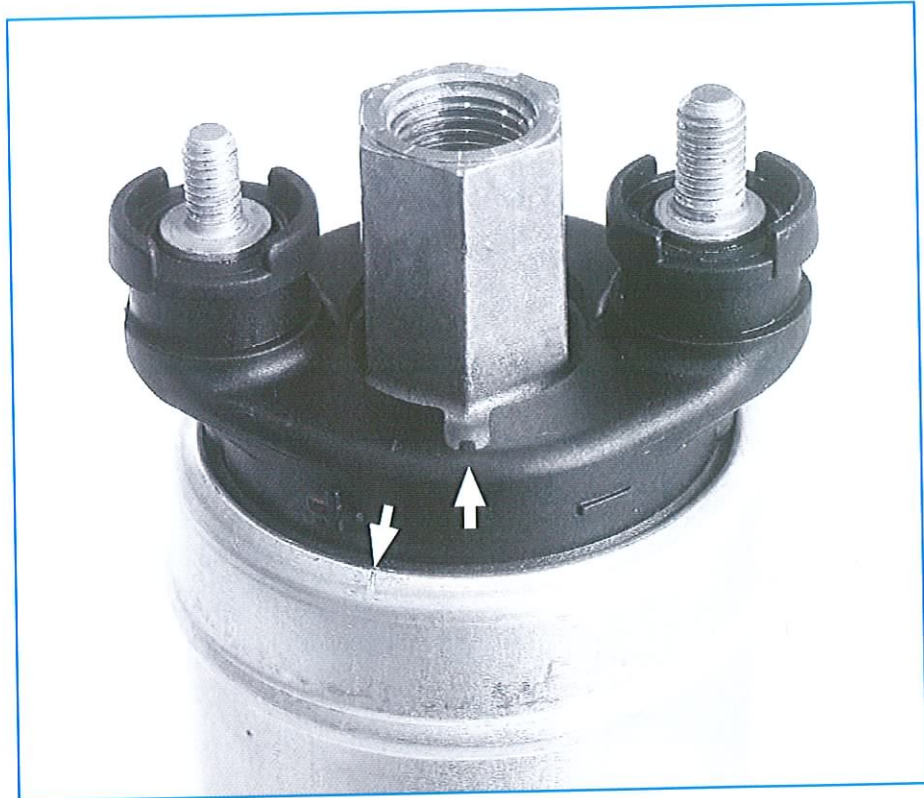
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