

ELECTRIC VEHICLE CHARGER AND CONVERTER ELECTRONIC FILTER MODULES : REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Locations and specifications (tightening torques, parts always to be replaced, etc.) [\(see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view\)](#) .

CAUTION



■ To avoid all risk of damage to the systems, apply the safety and cleanliness instructions and operation recommendations before carrying out any repair :

- (see **Electric vehicle power electronics : Precautions for the repair**) ,
- [Vehicle: Precautions for the repair](#) .

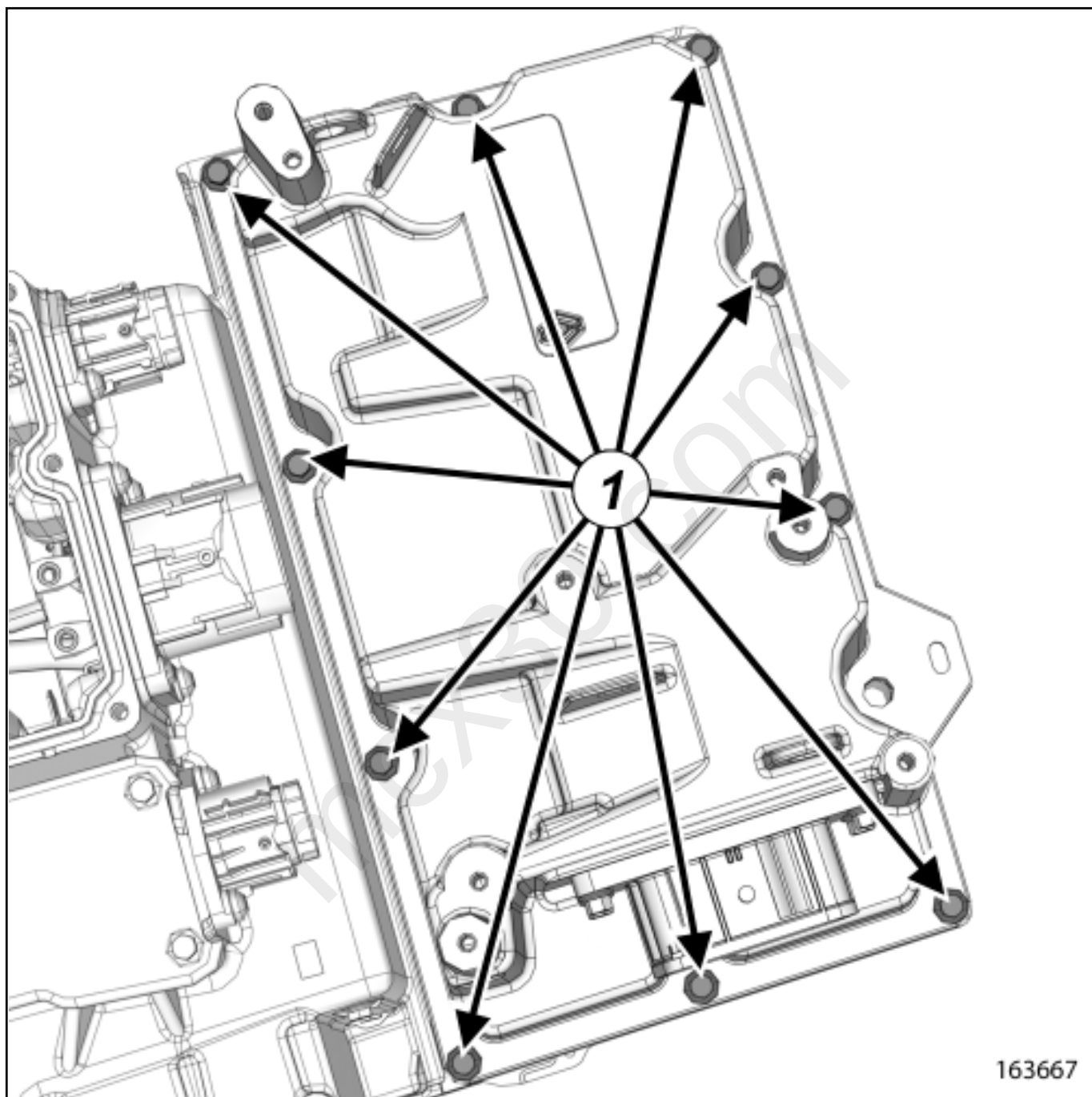
REMOVAL

1. REMOVAL PREPARATION OPERATION

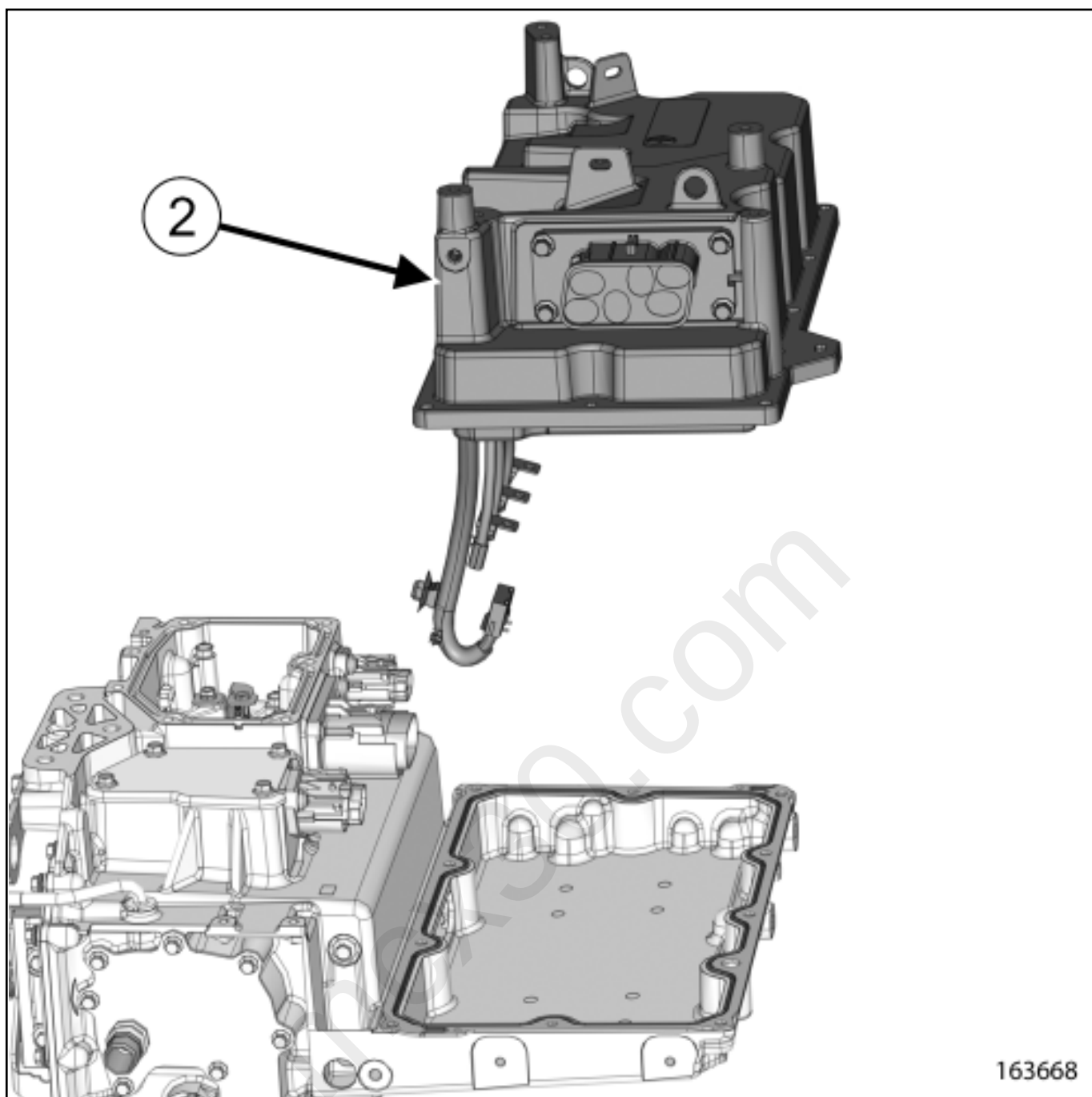
- Remove the electric vehicle charger and converter [\(see 17E, Power electronics, Electric vehicle charger and converter: Removal - Refitting\)](#) .
- Remove the housing cover of electric vehicle charger and converter [\(see 17E, Power electronics, Electric vehicle charger and converter housings : Removal - Refitting\)](#) .
- Remove the upper bus bars [\(see 17E, Power electronics, Electric vehicle charger and converter high voltage bus bars : Removal - Refitting\)](#) .
- Remove the internal low voltage wiring [\(see 17E, Power electronics, Electric vehicle charger and converter internal wiring : Removal - Refitting\)](#) .
- Remove the fuse box [\(see 17E, Power electronics, Electric vehicle charger and converter fuse box : Removal - Refitting\)](#) .
- Remove the lower bus bars [\(see 17E, Power electronics, Electric vehicle charger and converter high voltage bus bars : Removal - Refitting\)](#) .
- Remove the capacitance module [\(see 17E, Power electronics, Electric vehicle charger and converter electronic power modules : Removal - Refitting\)](#) .

2. REMOVAL OPERATION

- Put the antistatic wrist strap.



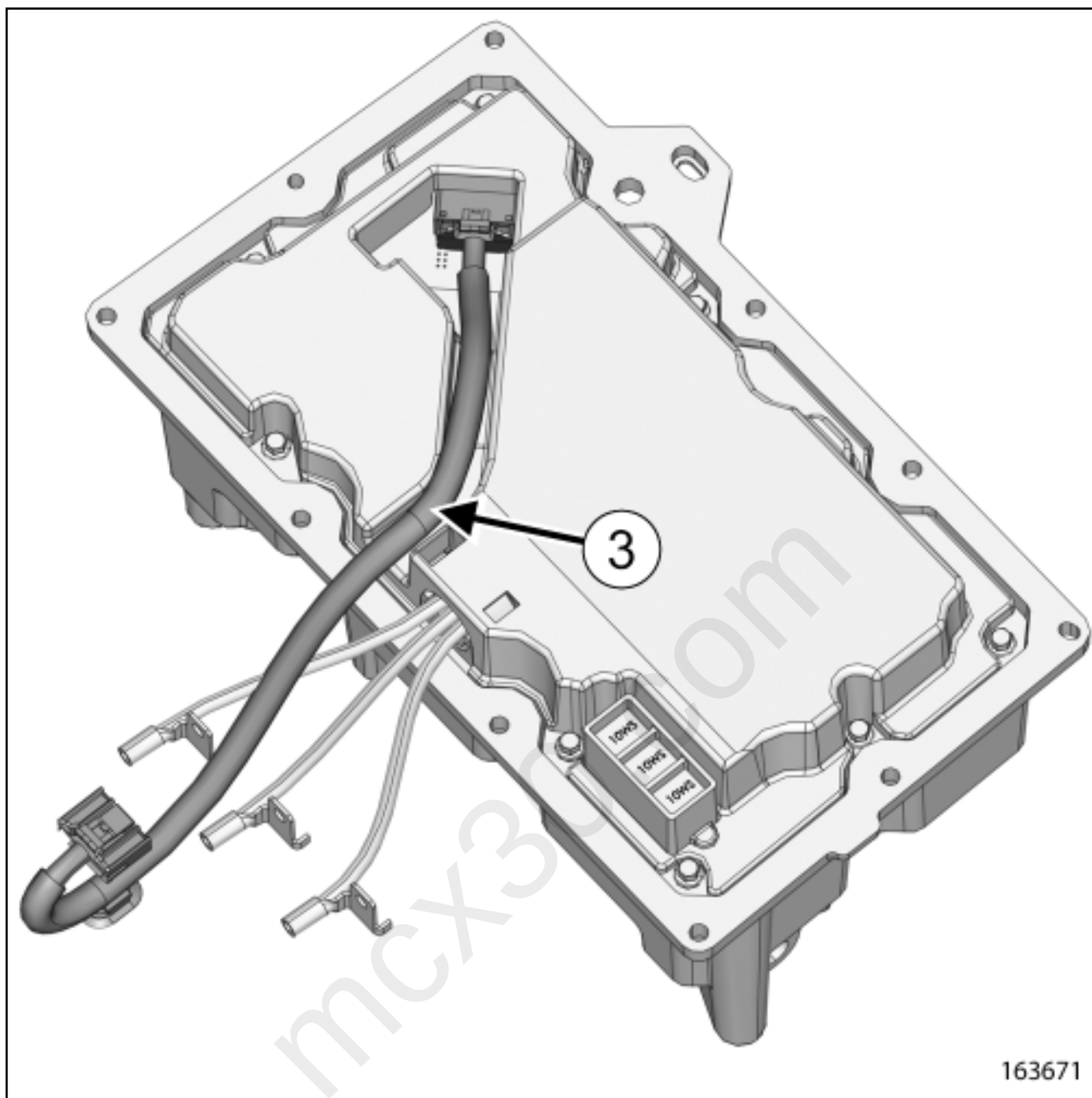
- Remove the 10 mounting screws(1) of the electronic filter([see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view](#)) .



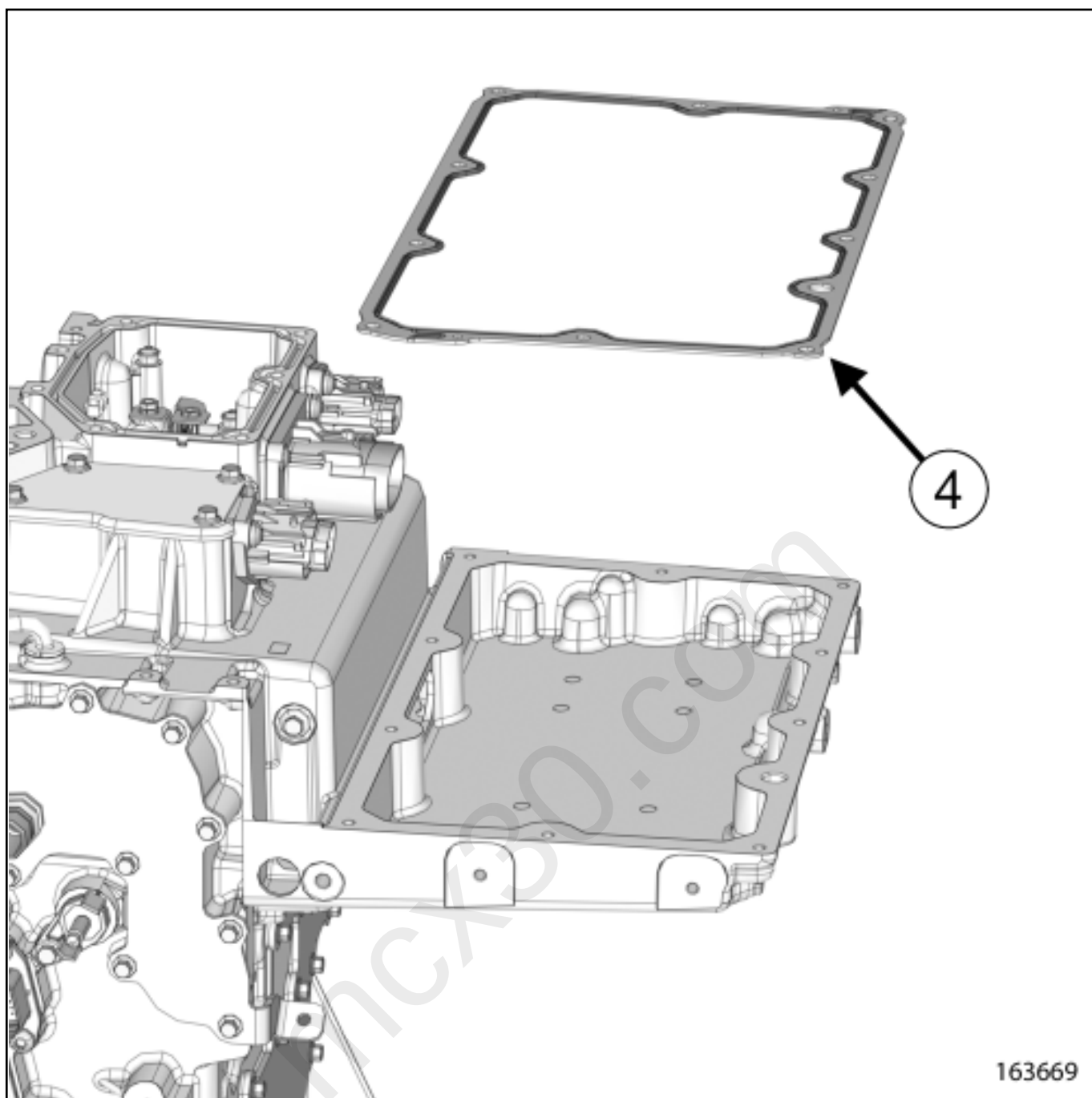
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■ Remove the electronic filter(2) ([see 17E, Power electronics, Electric vehicle charger and converter assembly: Exploded view](#)) .

■ Put the electronic filter on the antistatic mat.



■ Remove the electronic filter wiring(3) ([see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view](#)) .



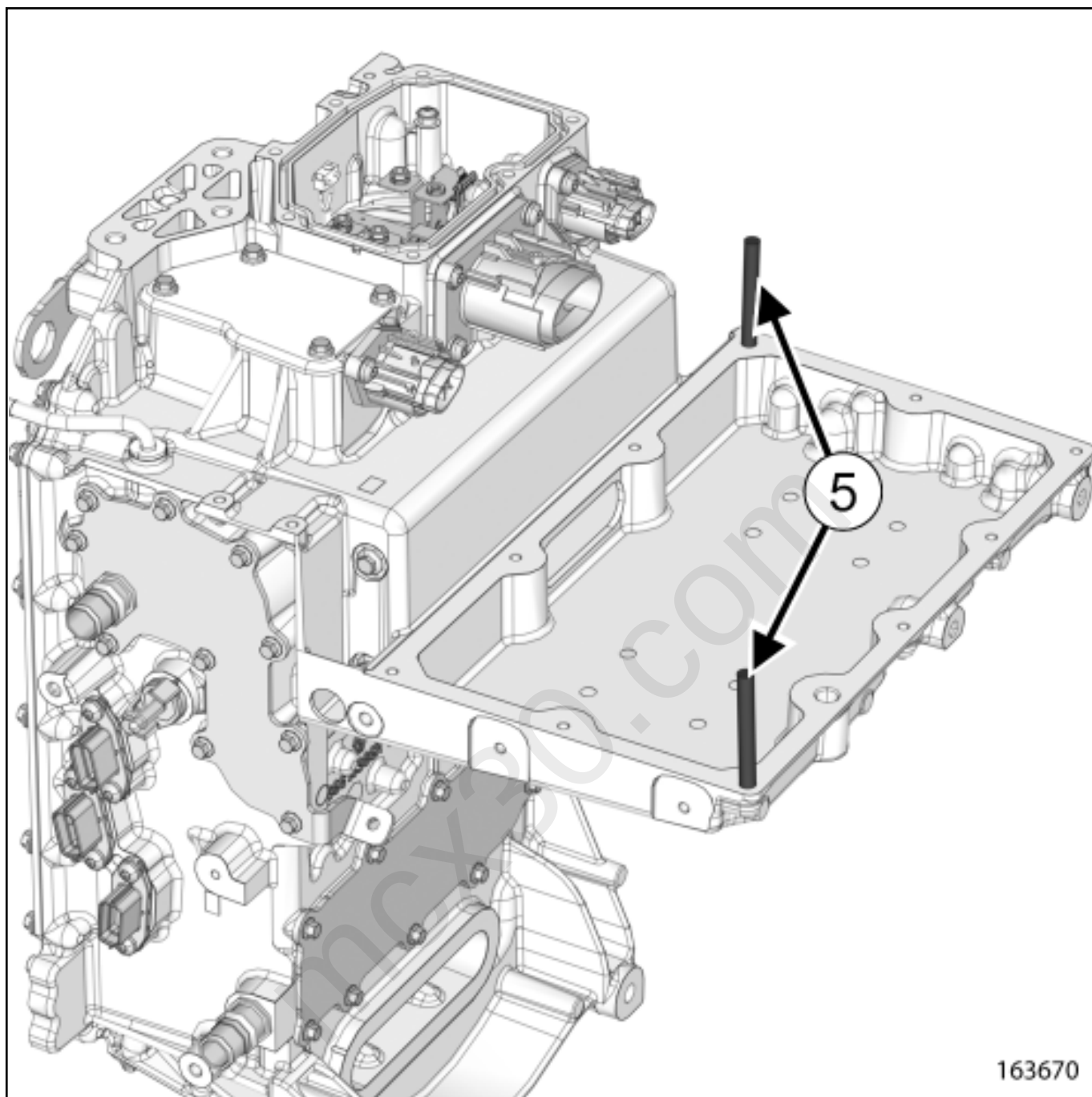
Remove the electronic filter seal(4) ([see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view](#)) .

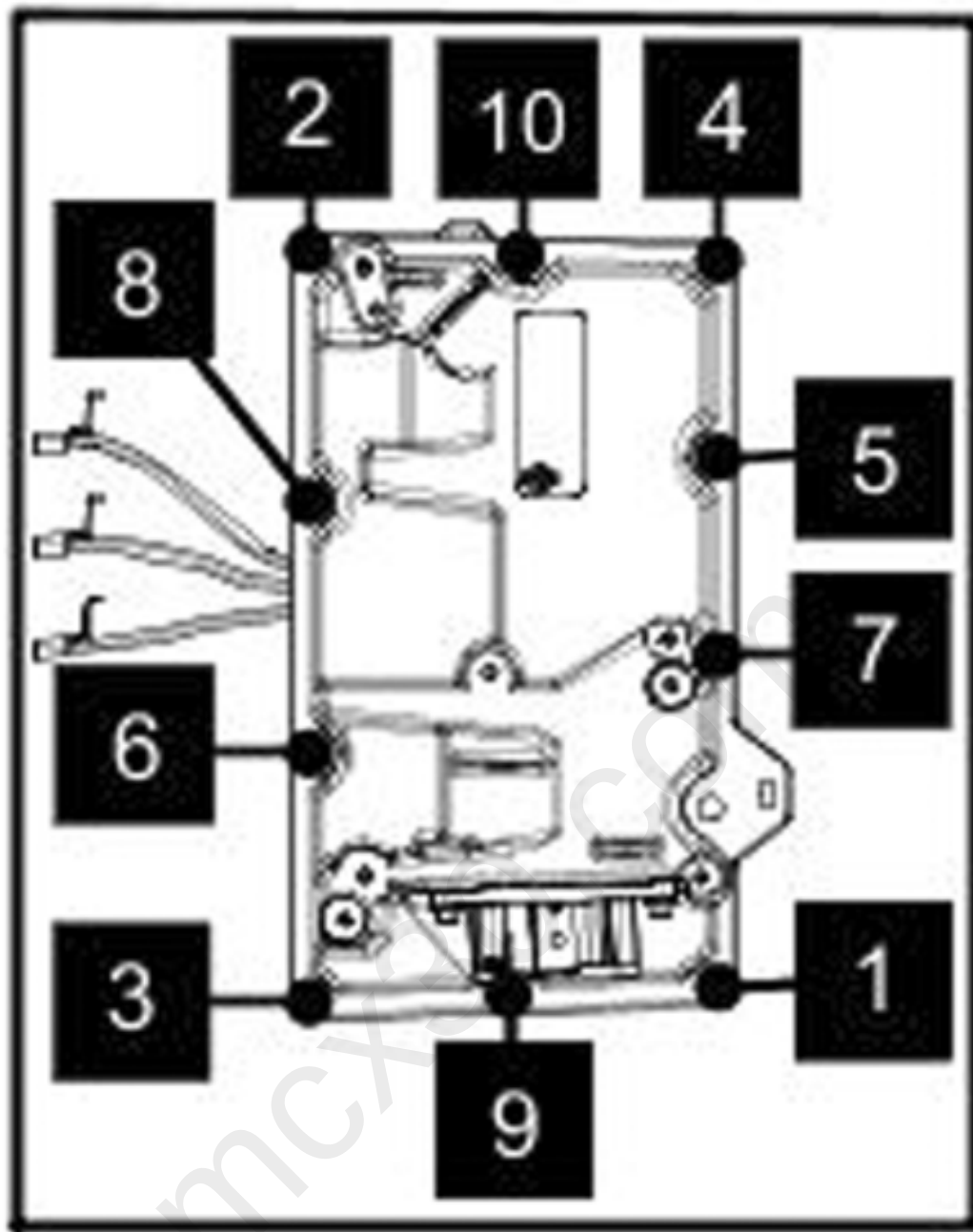
REFITTING

1. REFITTING PREPARATION OPERATION



Part always to be replaced : the electronic filter seal.





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Fit the 2 guiding pins(5) in crosswise on the housing of electric vehicle charger and converter at 1 and 2 .

2. REFITTING OPERATION

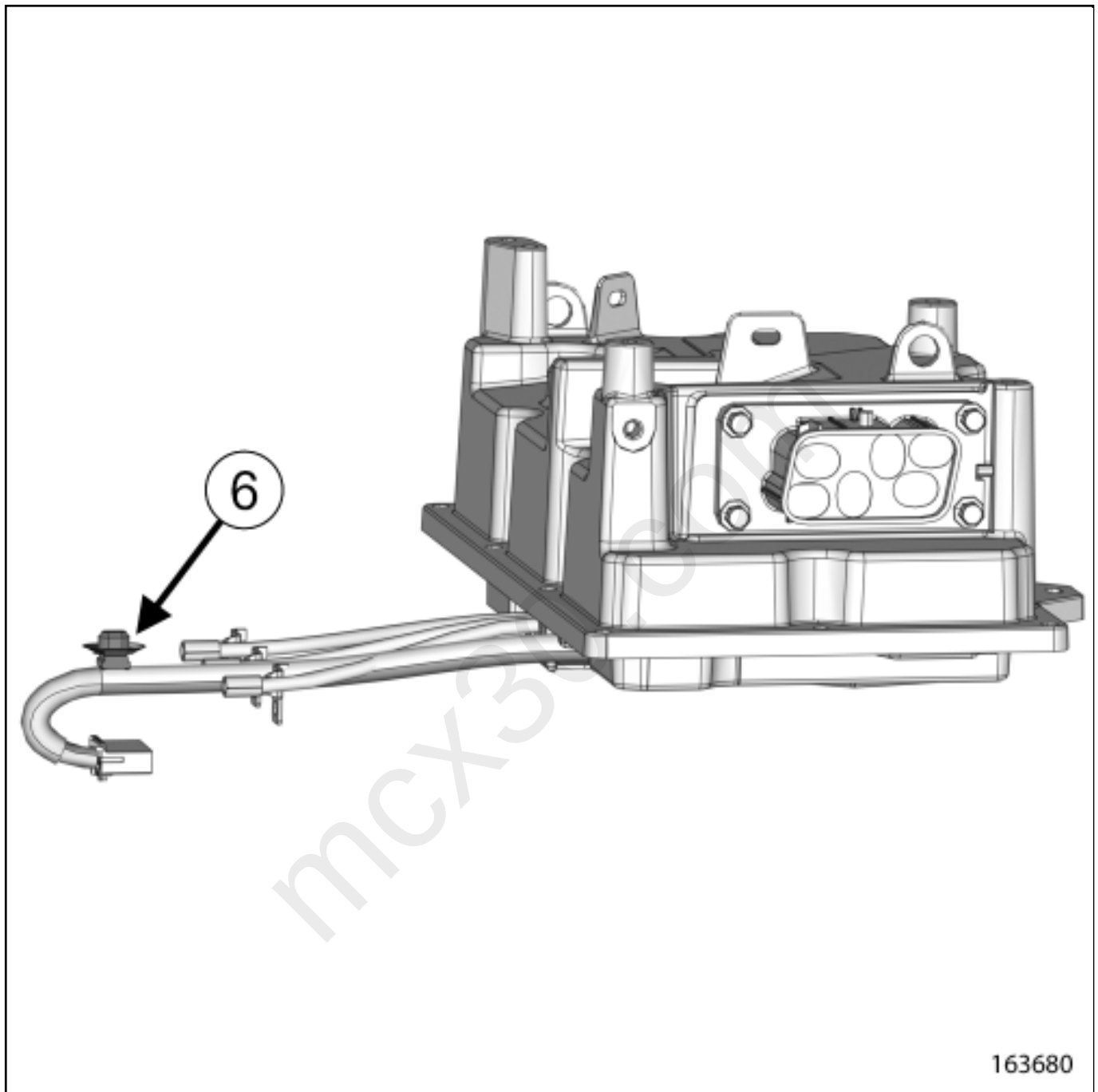


Refit [\(see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view\)](#) :



■ the new electronic filter seal,

the electronic filter wiring.



Note:



Pay attention at the positioning of the clip(6) .

It must be facing up.

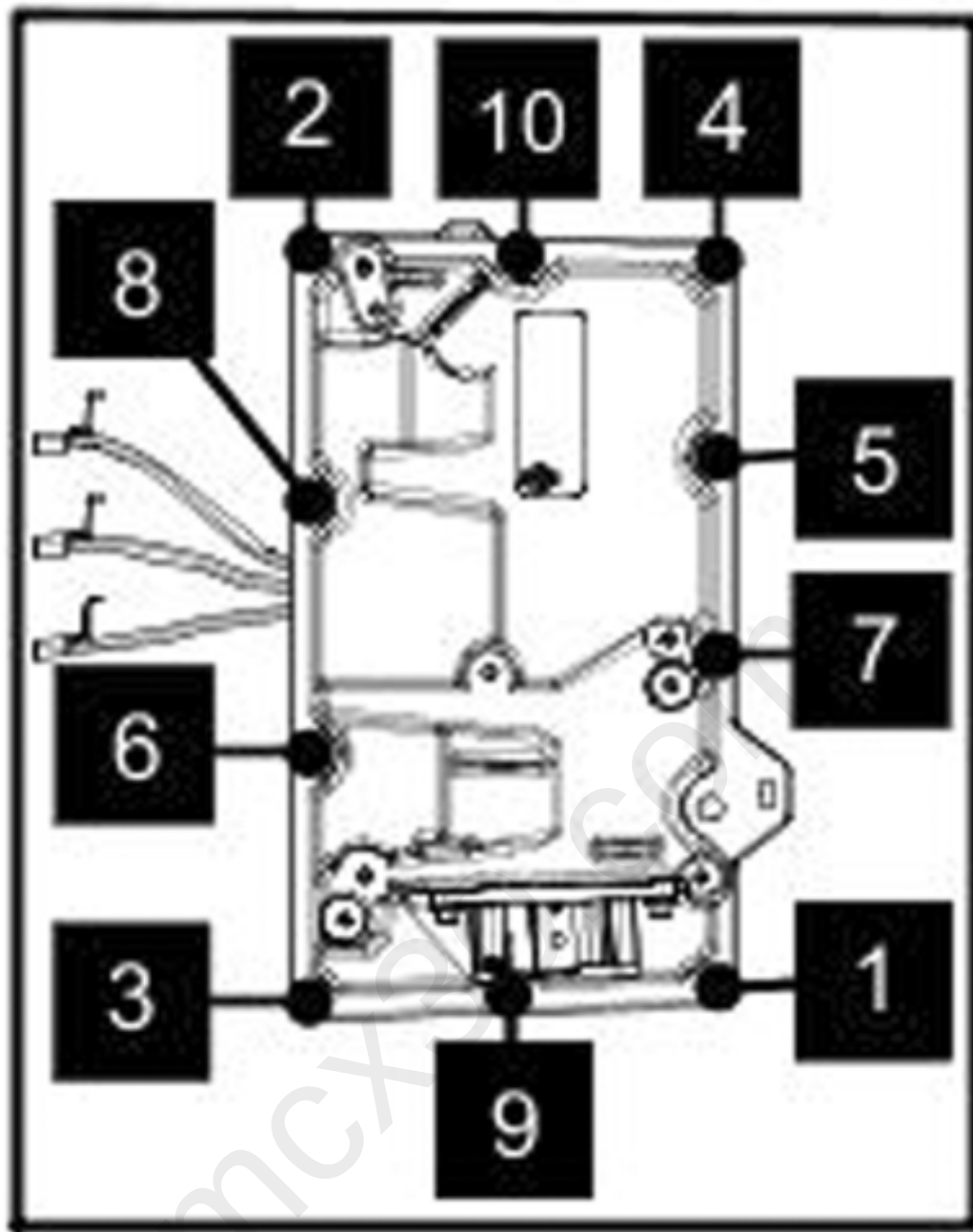
Refit [\(see 17E. Power electronics, Electric vehicle charger and converter assembly : Exploded view\)](#) :

the electronic filter using the 2 guiding pins,

the 8 mounting screws of the electronic filter.

Remove the 2 guiding pins.

Refit the 2 mounting remaining screws of the electronic filter.



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Torque tighten in order the 10 mounting screws of the electronic filter([see 17E, Power electronics, Electric vehicle charger and converter assembly : Exploded view](#)) .



Mark always the screws using a paint marker of a color different from the original.



Remove the antistatic wrist strap.

3. FINAL OPERATION



Proceed in the reverse order to removal.



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