

# TRACTION BATTERY ELECTRONIC FILTER : REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



- ▣ Locations and specifications (tightening torques, parts always to be replaced, etc.) ([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) [Traction battery housing assembly : Exploded view](#) .

## WARNING



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

- [Traction battery : Precautions for the repair](#) ,
- [Vehicle: Precautions for the repair](#) .

## WARNING

DANGER: HIGH VOLTAGE VEHICLE.



Risks of serious burns or electric shocks that may prove fatal.

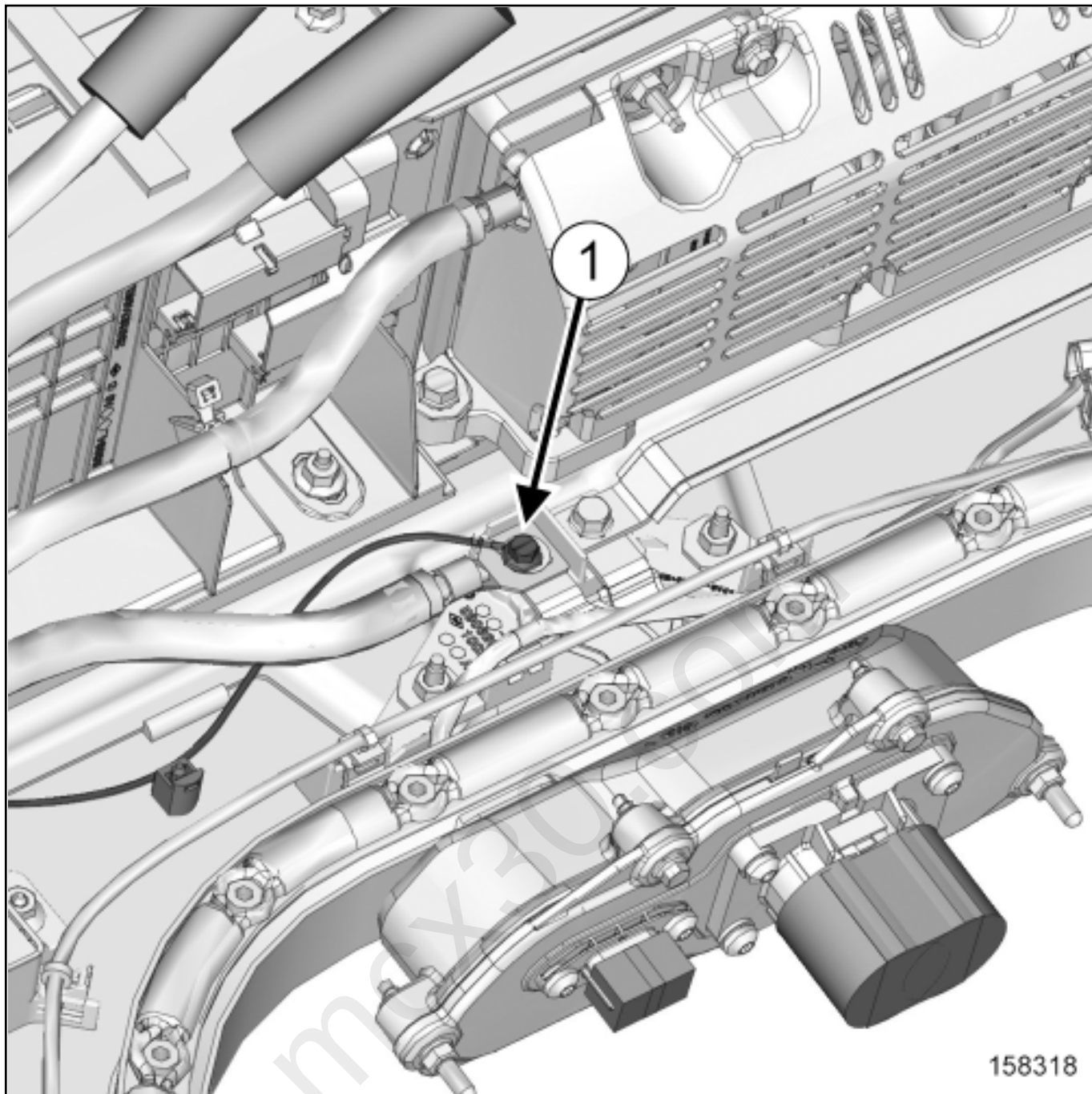
Before carrying out any work on the vehicle, it is essential that you follow the instructions regarding vehicle lockout. This work must be carried out by an employee who is qualified and authorised to work on a high-voltage onboard network.

## REMOVAL

### 1. REMOVAL PREPARATION OPERATION

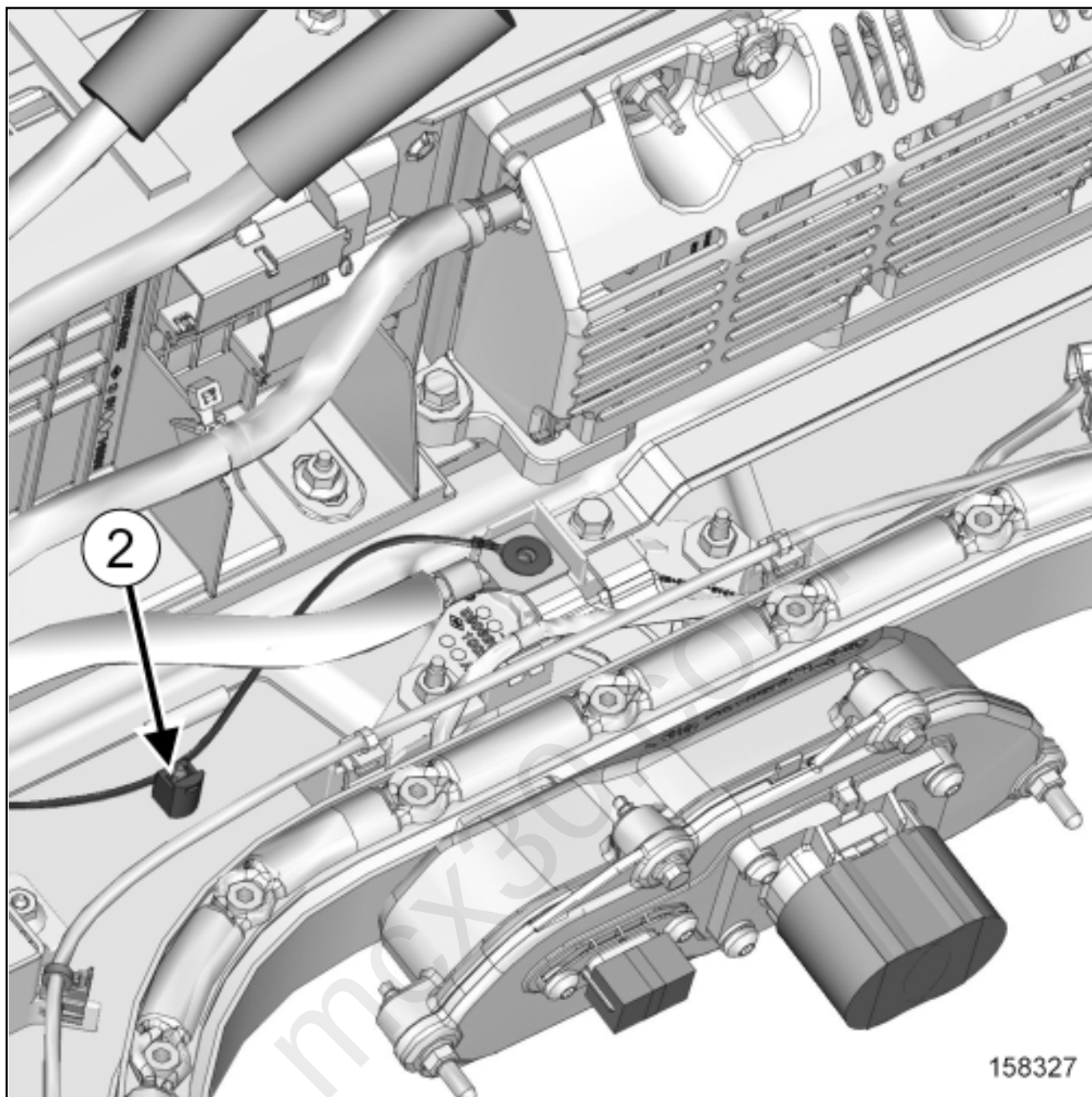
- ▣ Remove the traction battery upper cover [Traction battery housing assembly : Exploded view](#) .

### 2. REMOVAL OPERATION



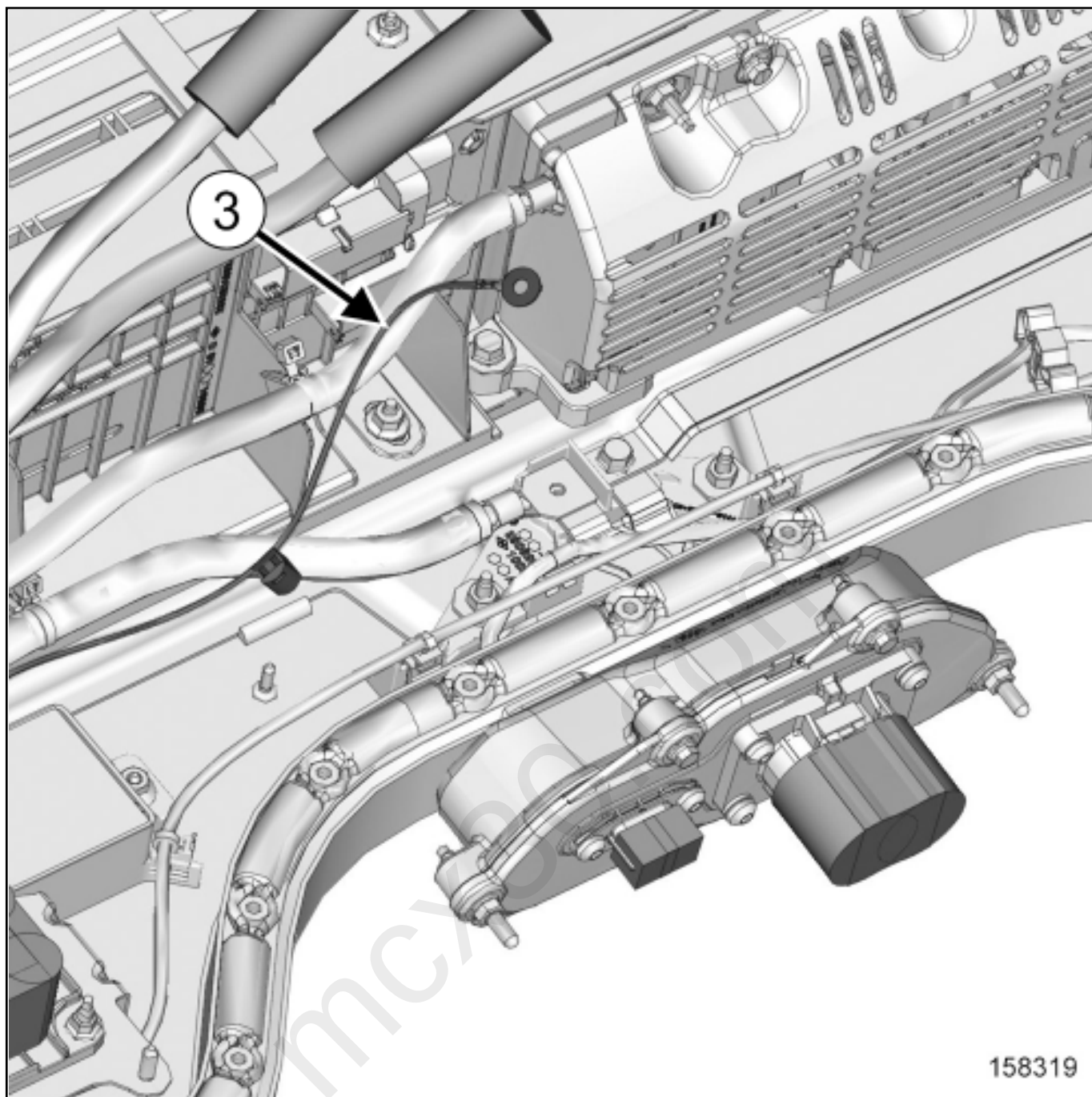
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- Remove the electronic filter wiring and power wire number 4 connection screw(1) from the insulated support using an insulated magnetic socket.



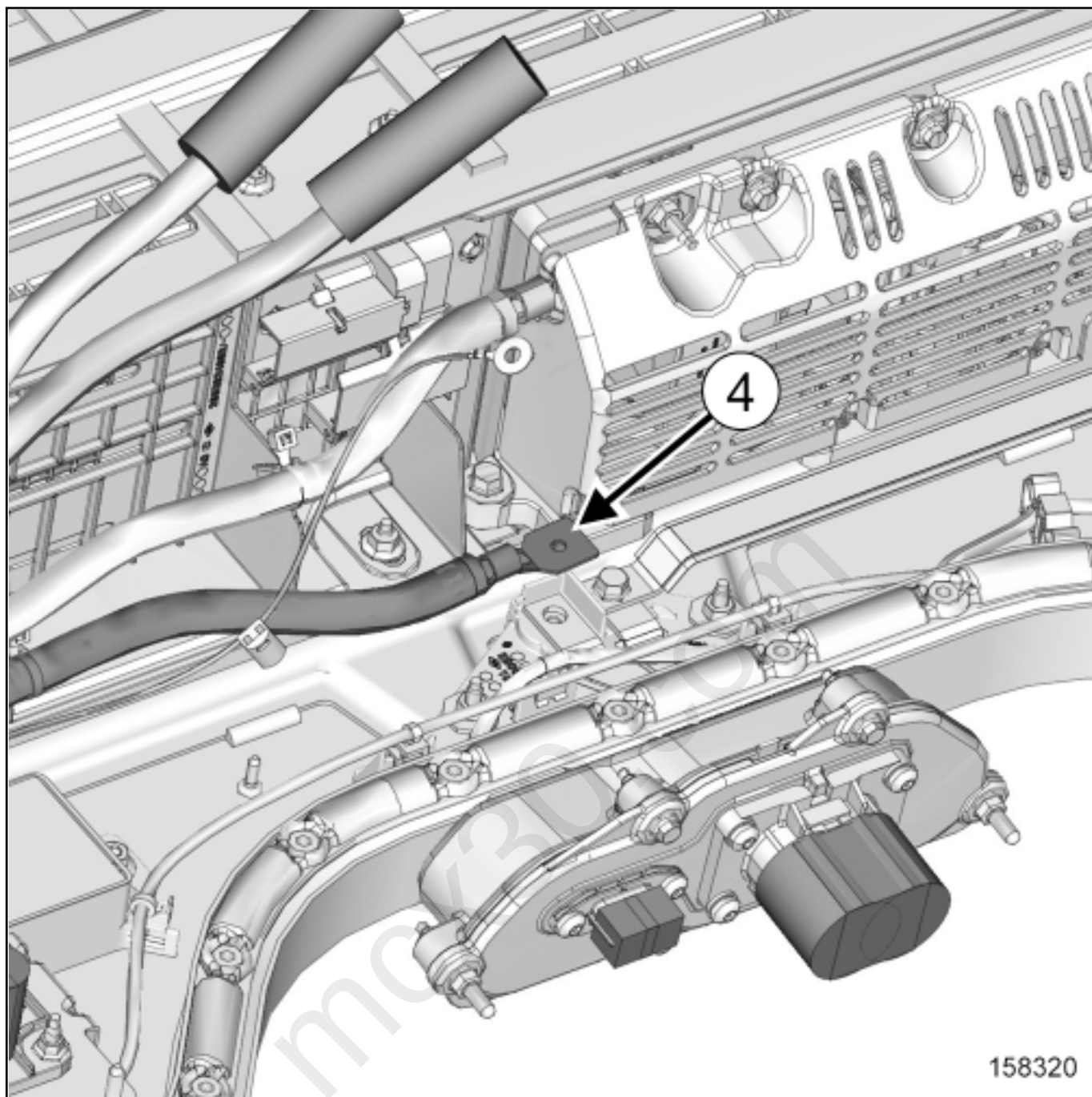
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- Unclip the electronic filter wiring(2) .



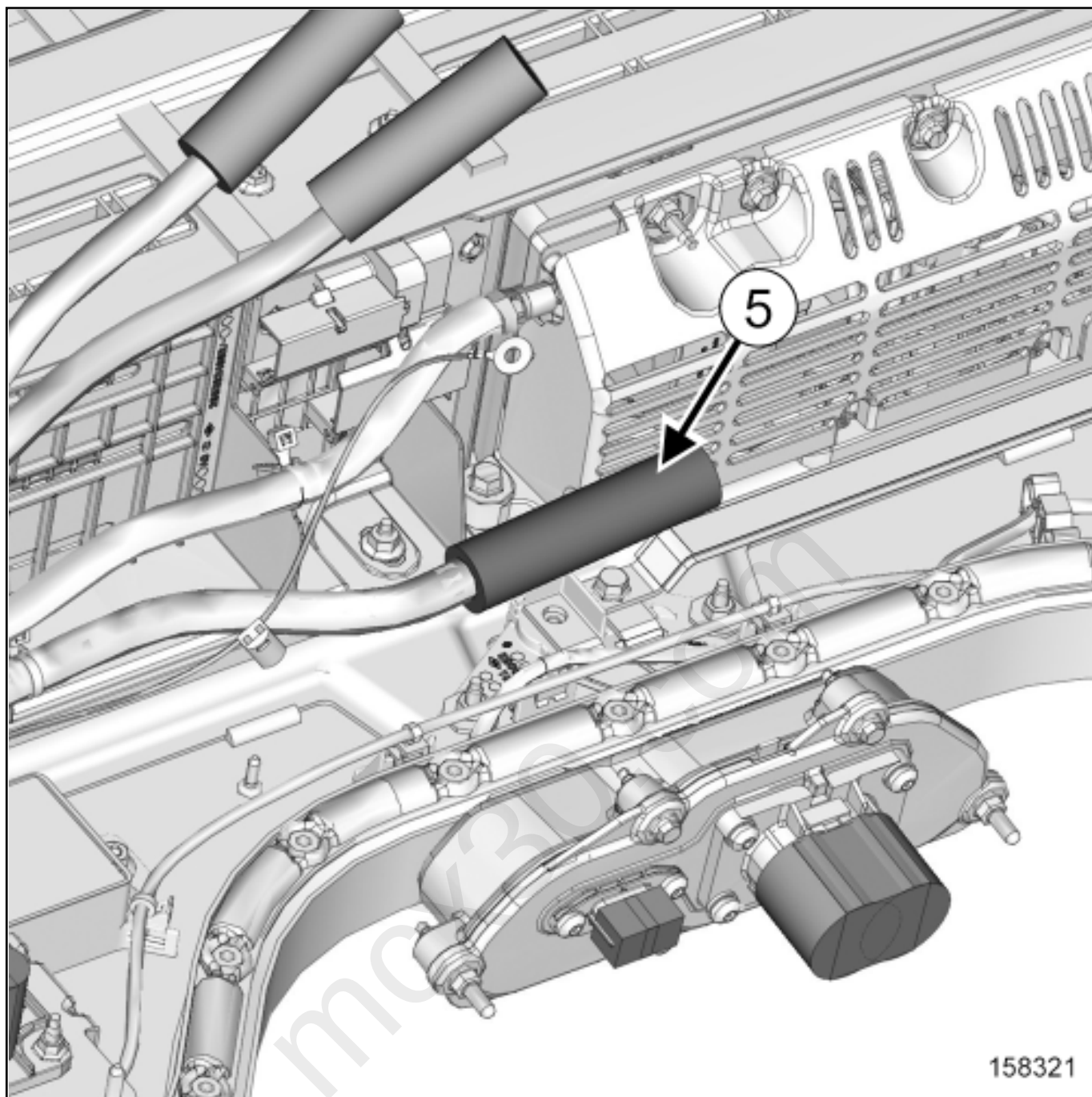
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■ Move the electronic filter wiring(3) .

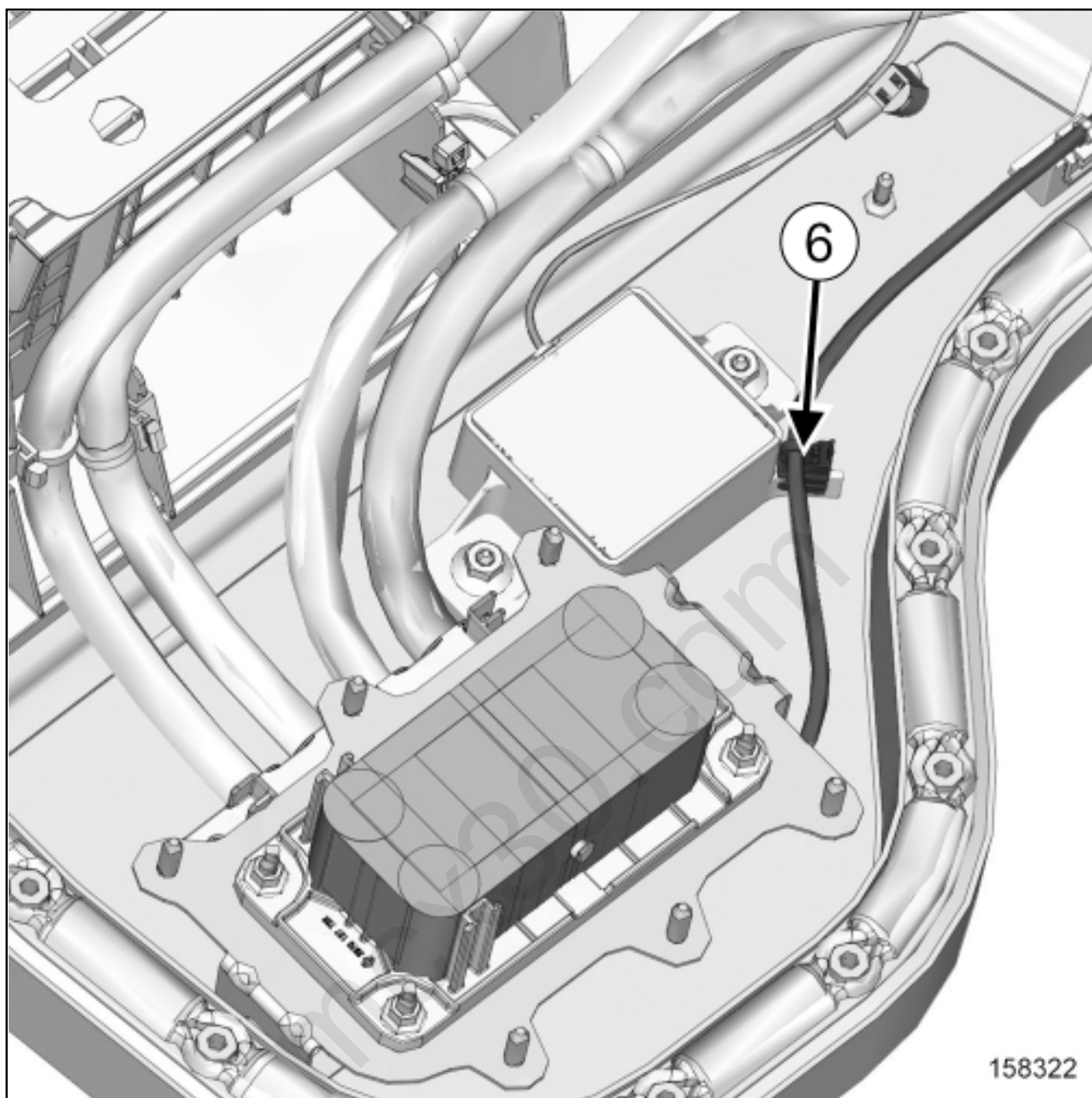


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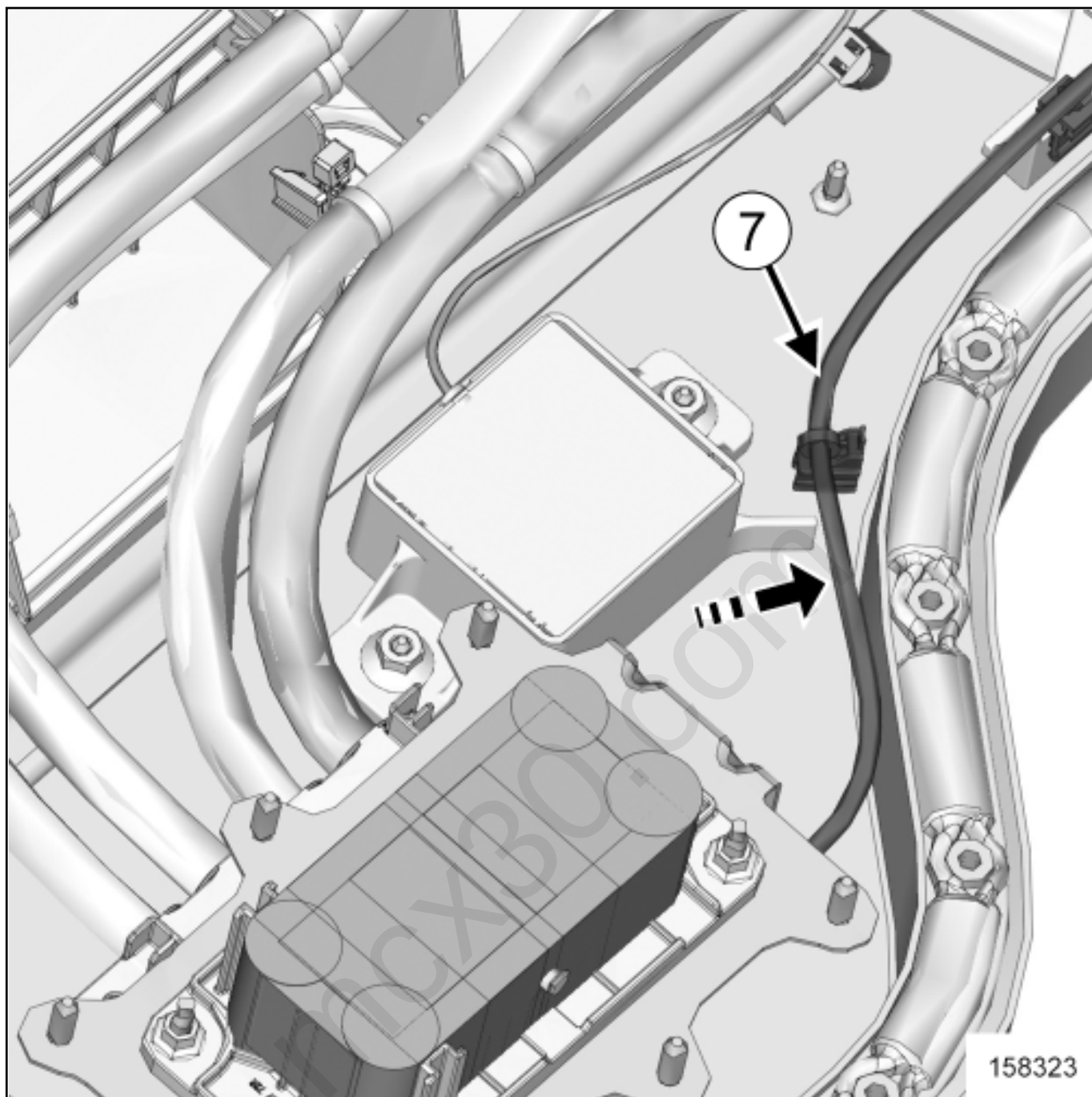
Move the power wire number 4 lug(4) .



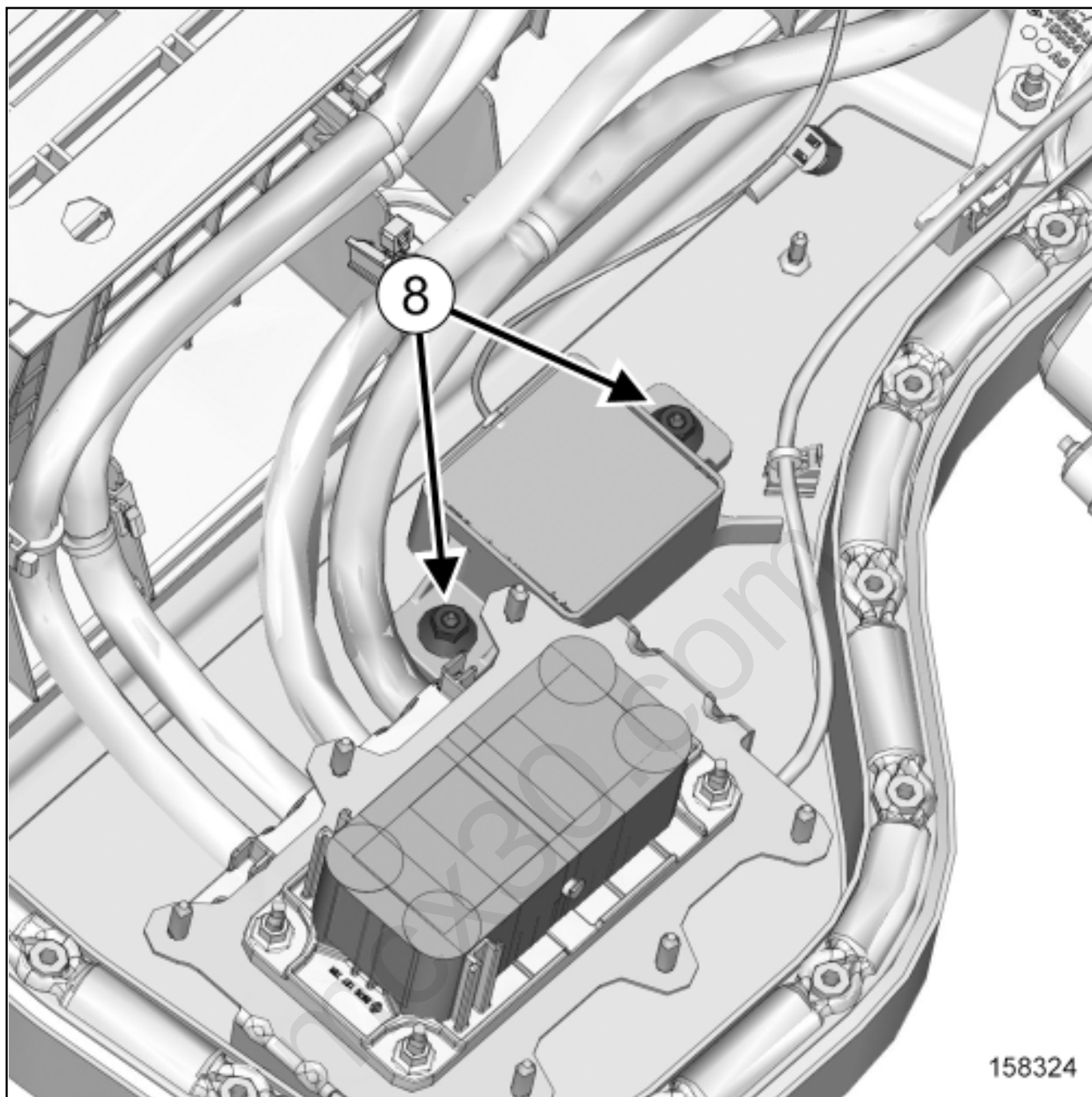
Isolate the power wire number 4 lug with an insulated cover(5) .



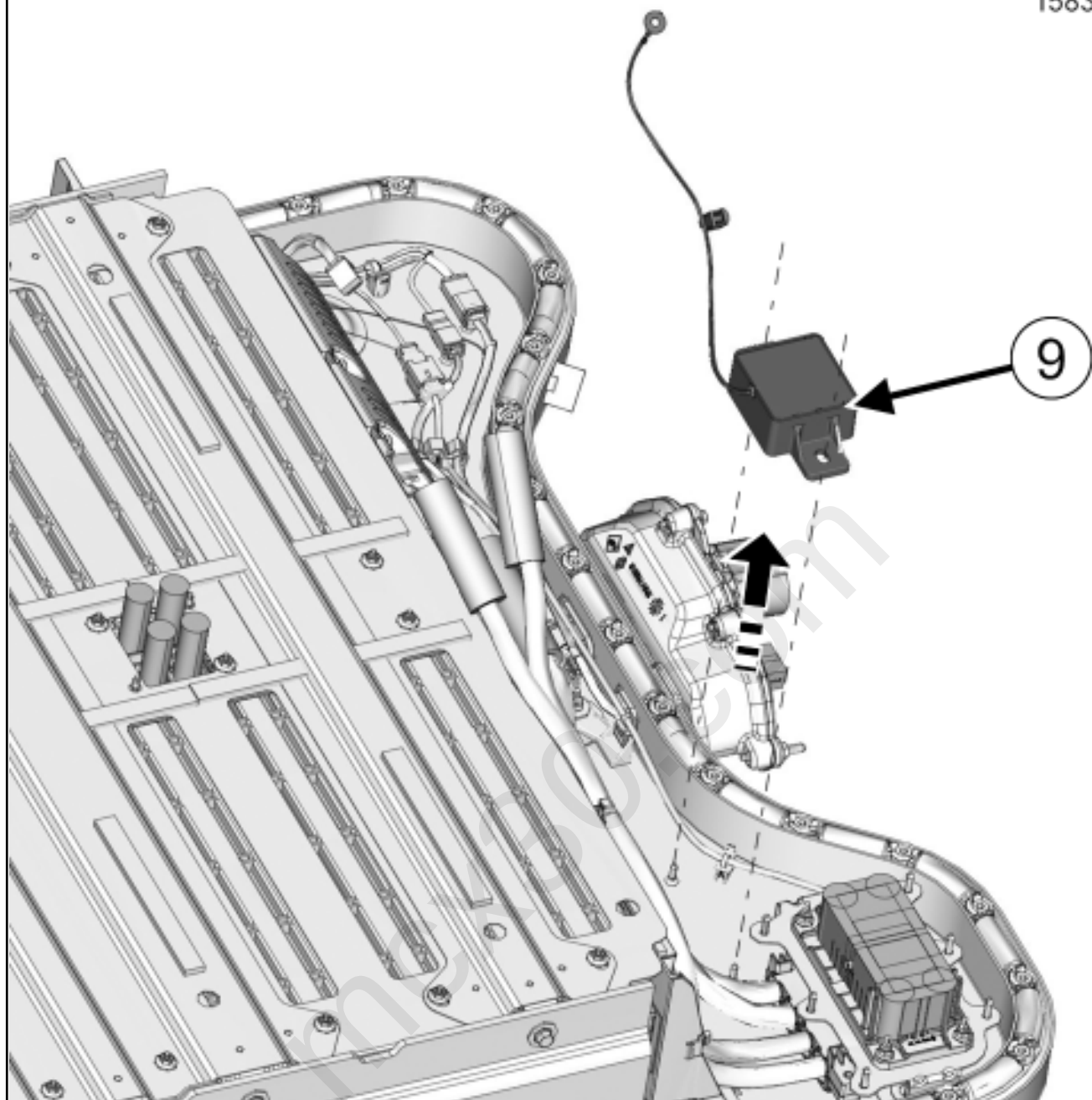
Unclip the safety device switch socket interlock wire from the electronic filter wiring(6) .



Move aside the safety device switch socket interlock wire from the electronic filter wiring(7) .



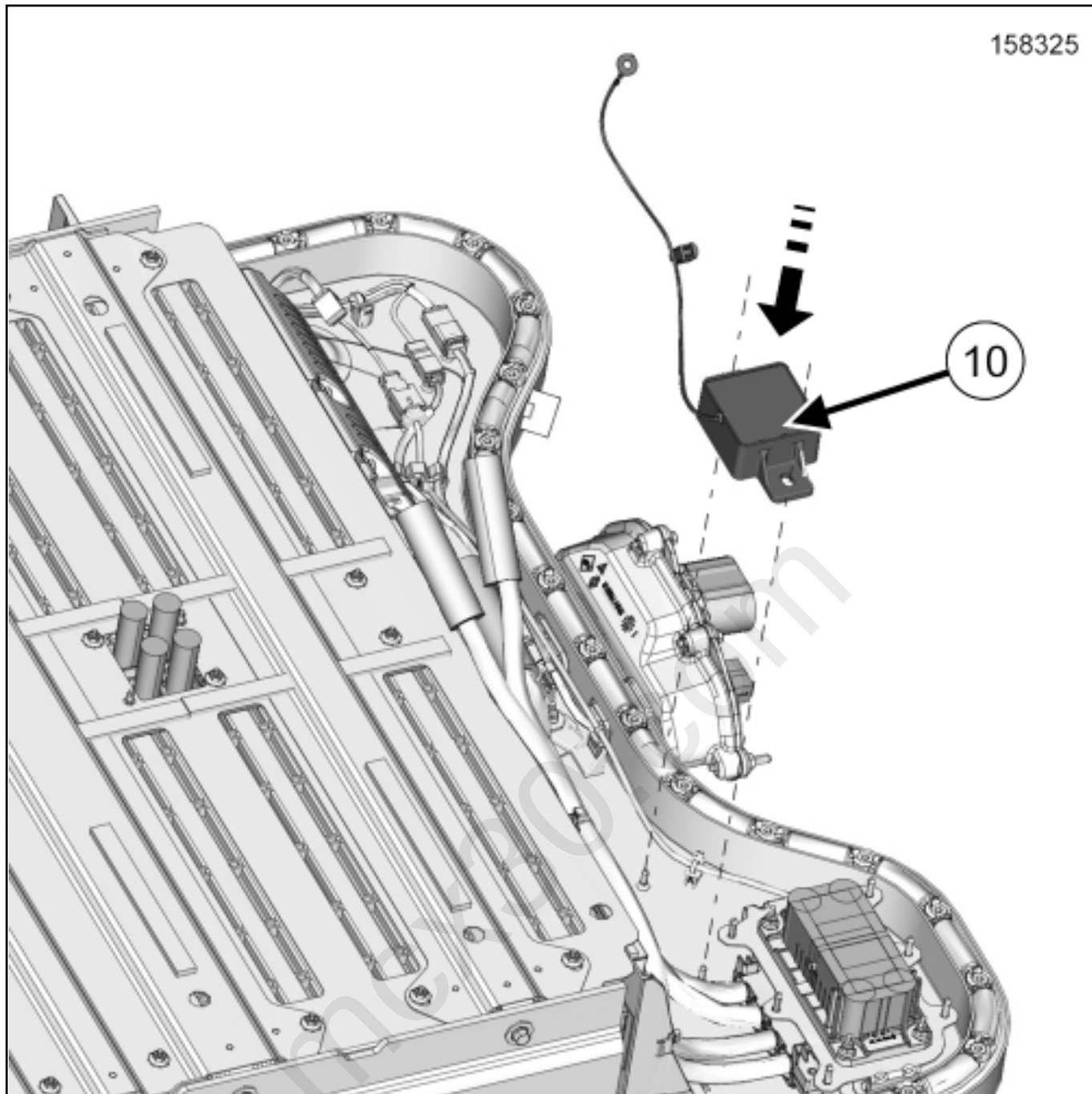
Remove the electronic filter nuts(8) using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



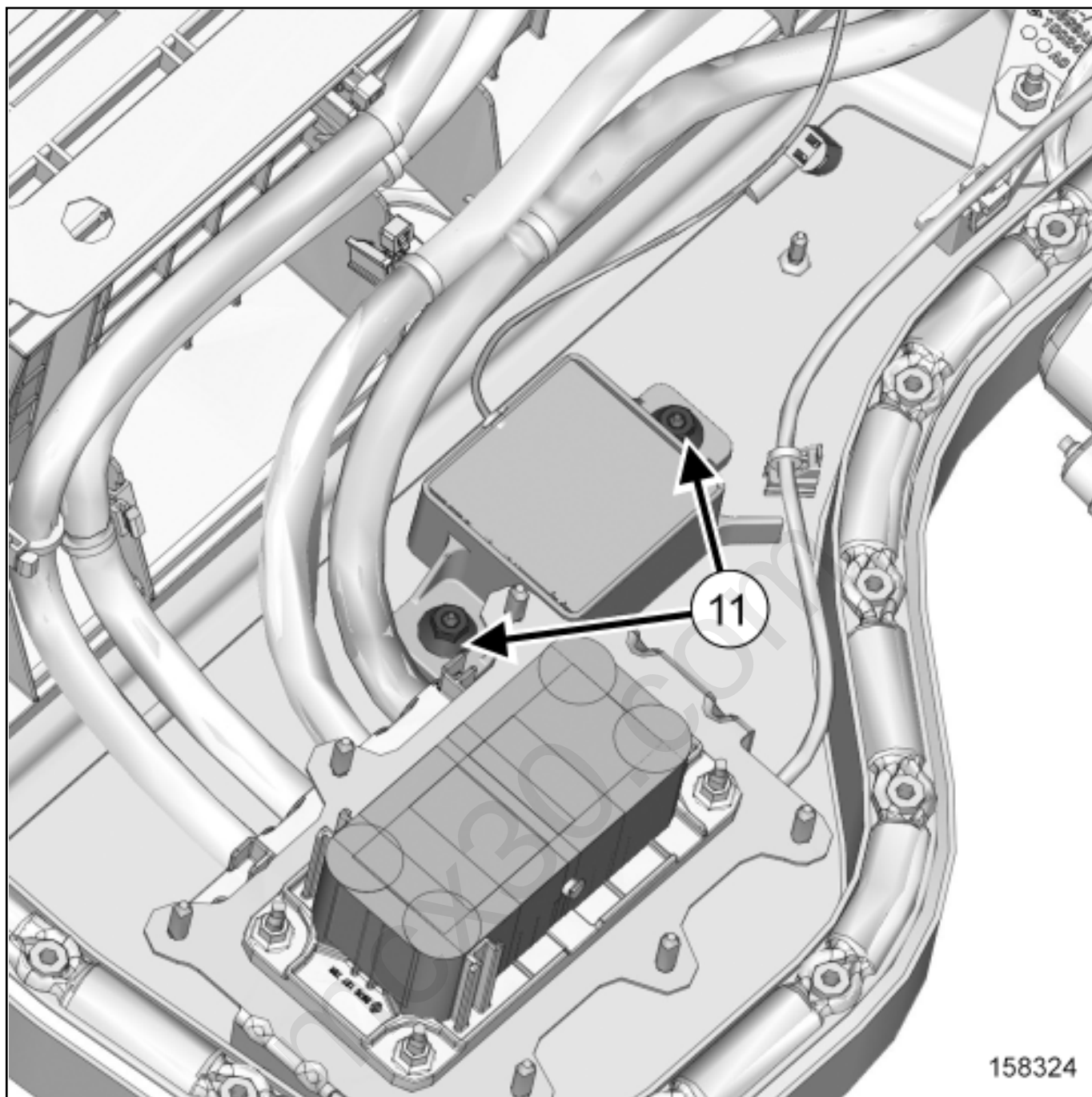
Remove the electronic filter(9) .

## REFITTING

### 1. REFITTING OPERATION



Refit the electronic filter(10) .



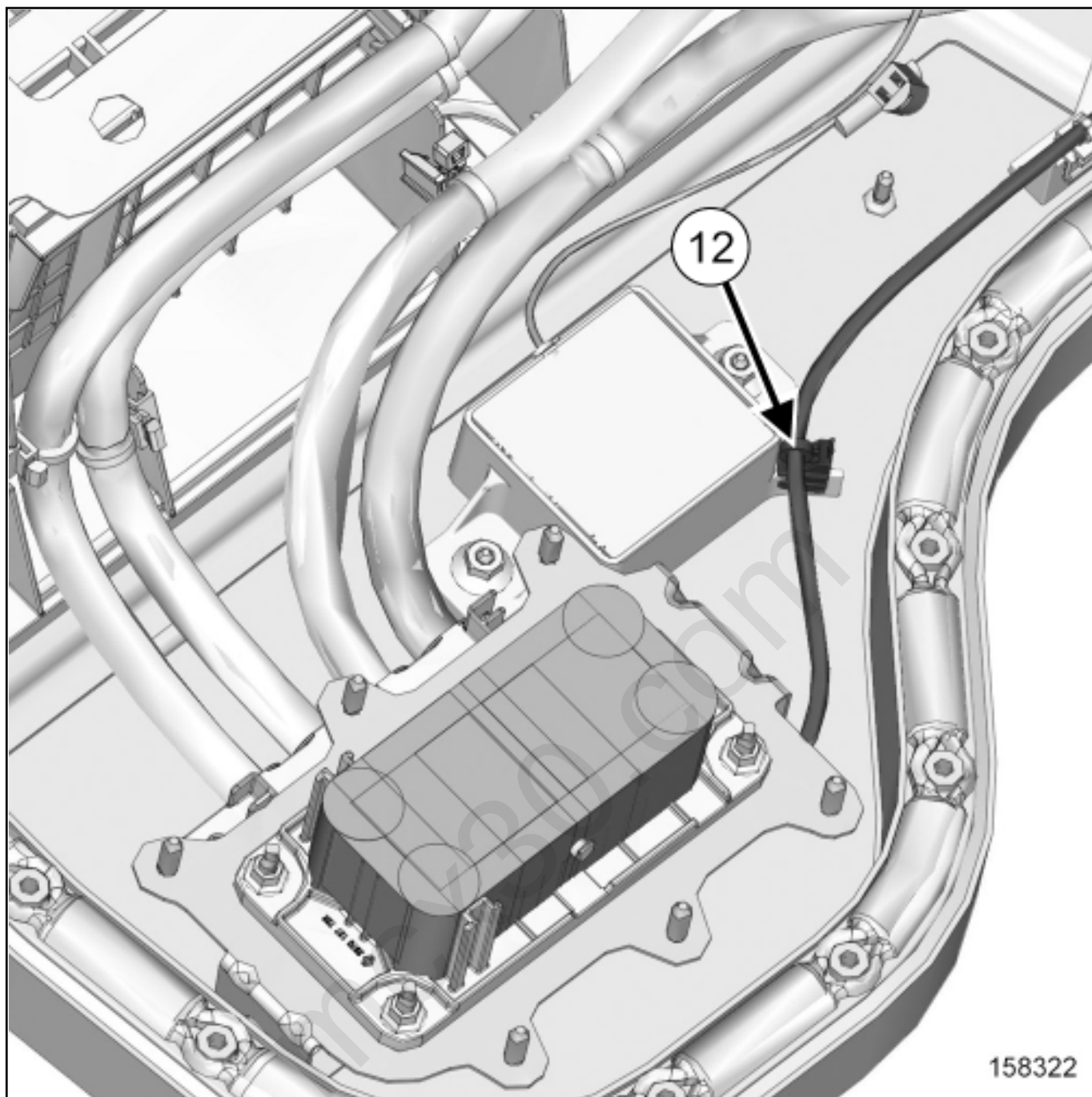
Refit the electronic filter nuts(11) using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



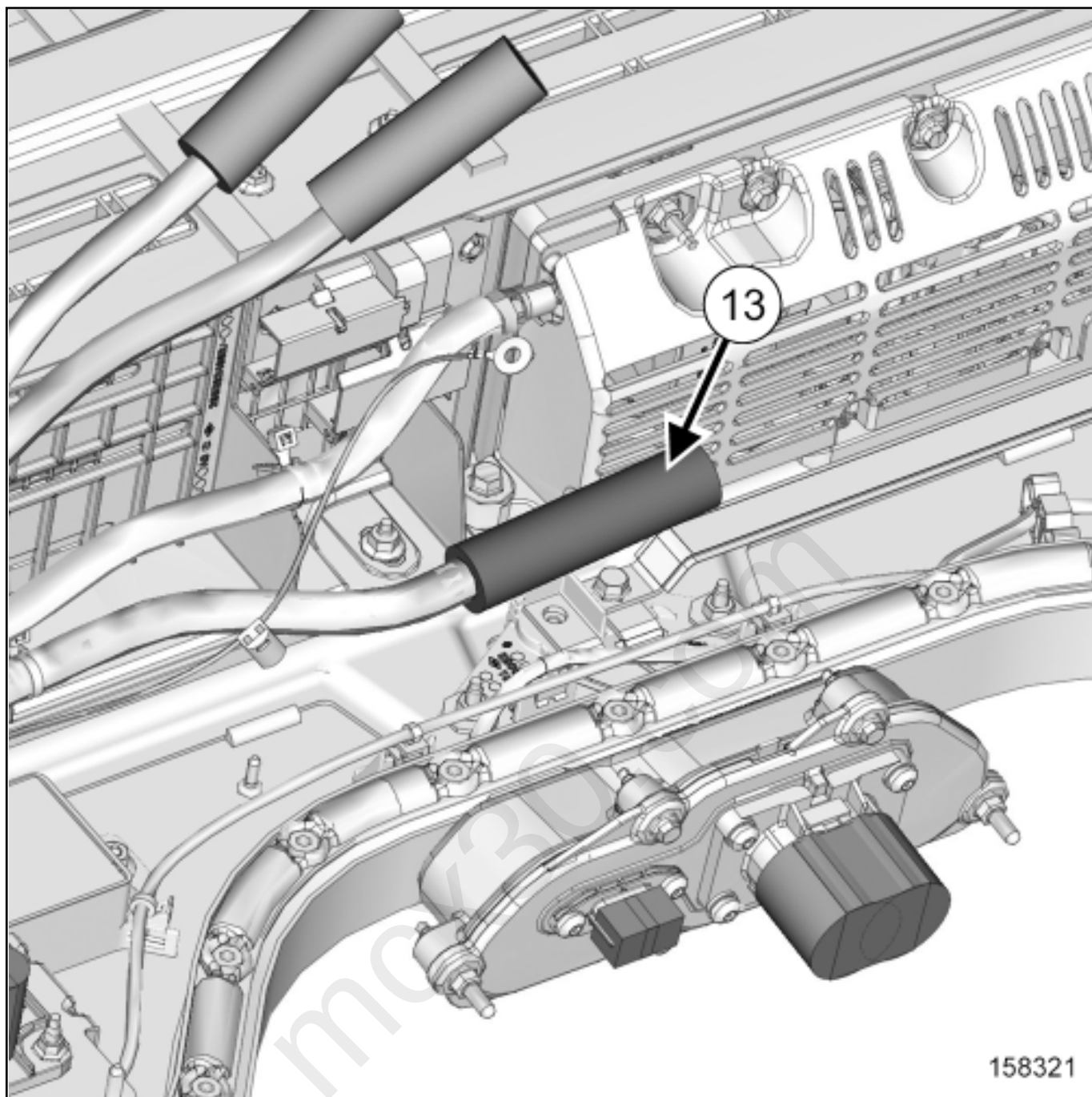
Torque tighten the electronic filter nuts using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



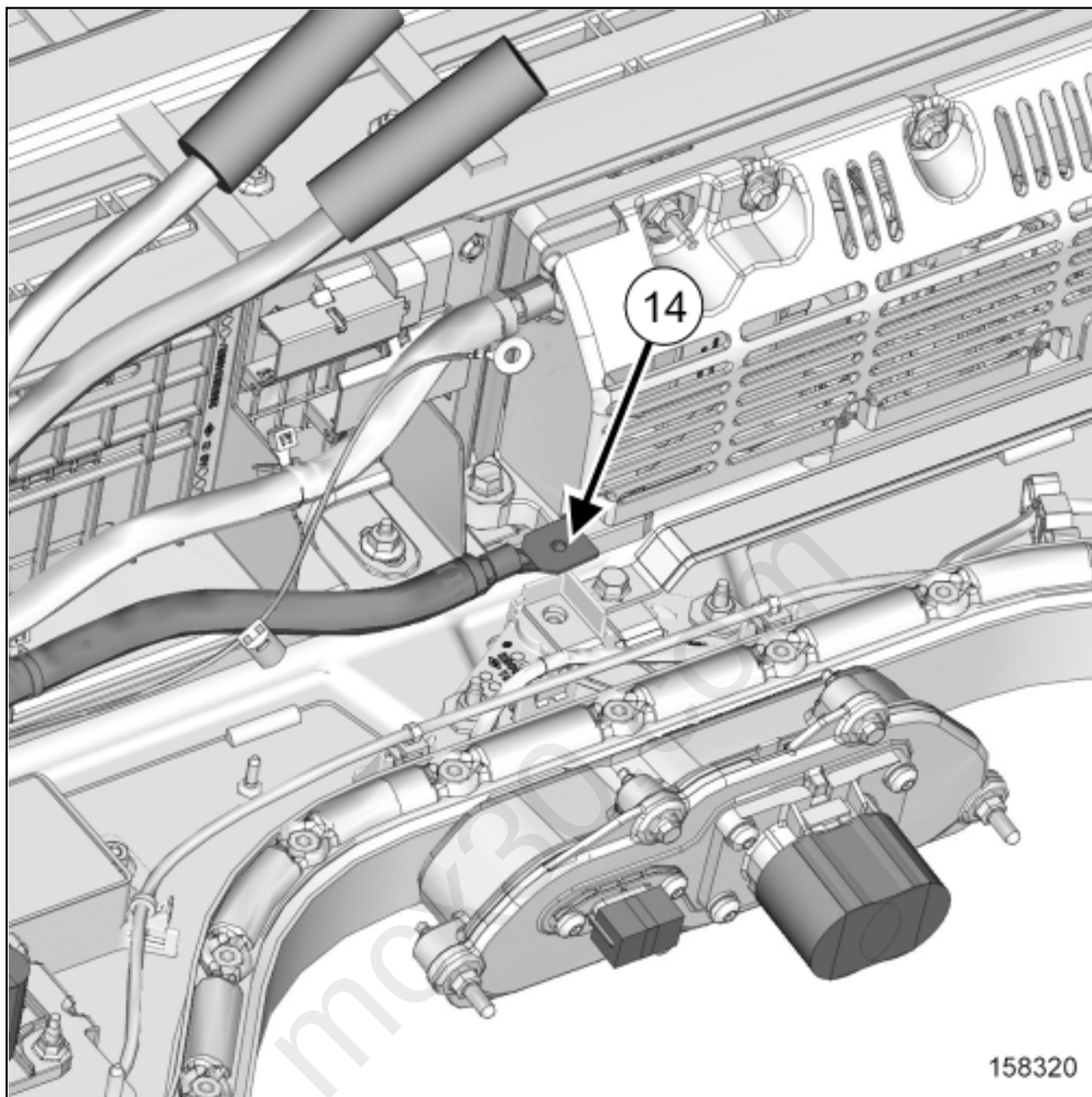
Mark always the nuts with a PAINT MARKER of a color different from the original.



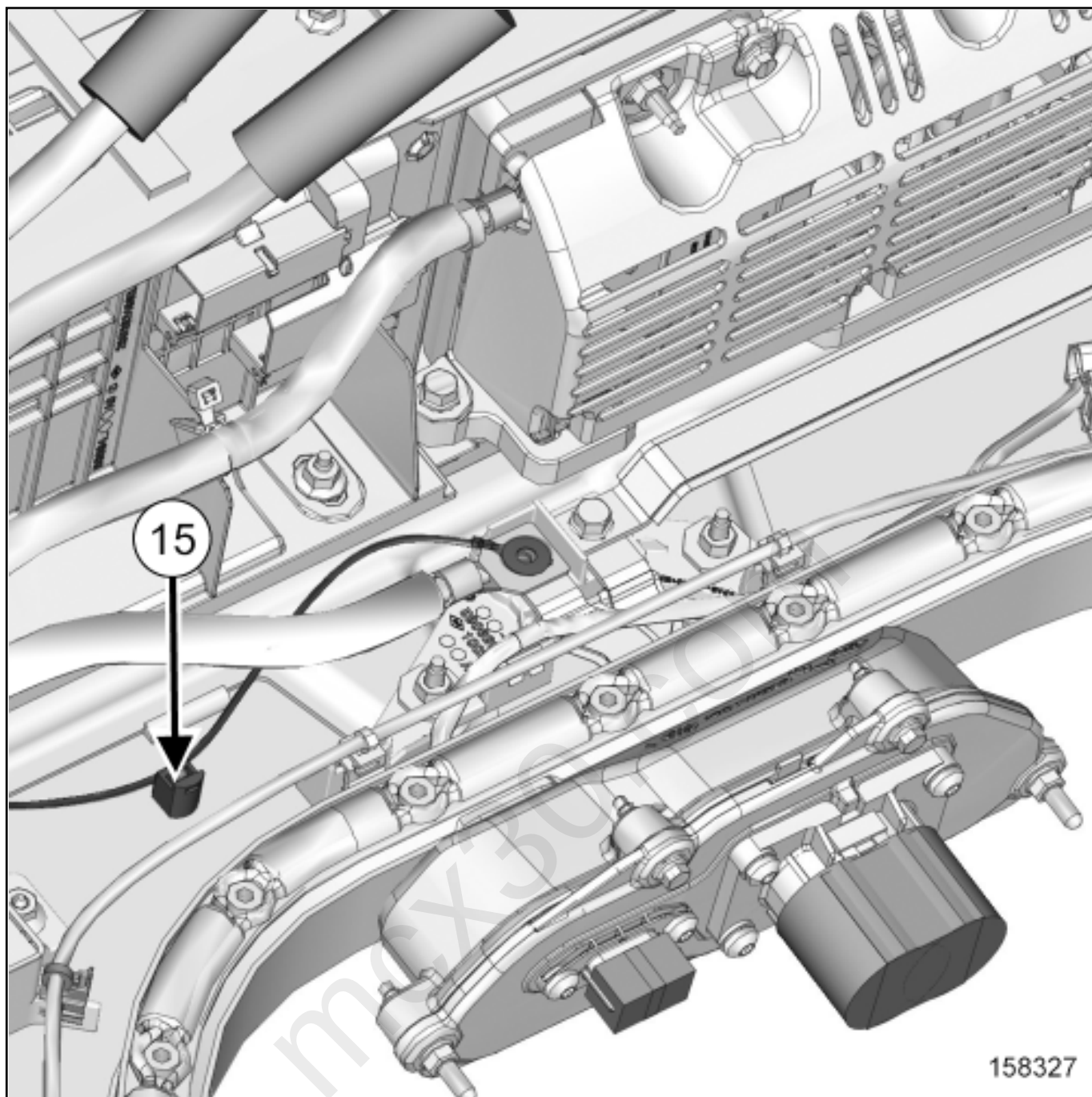
Clip the safety device switch socket interlock wire of the electronic filter wiring(12) .



Remove the insulated cover(13) from the power wire number 4 lug.



Refit the power wire number 4 lug(14) .

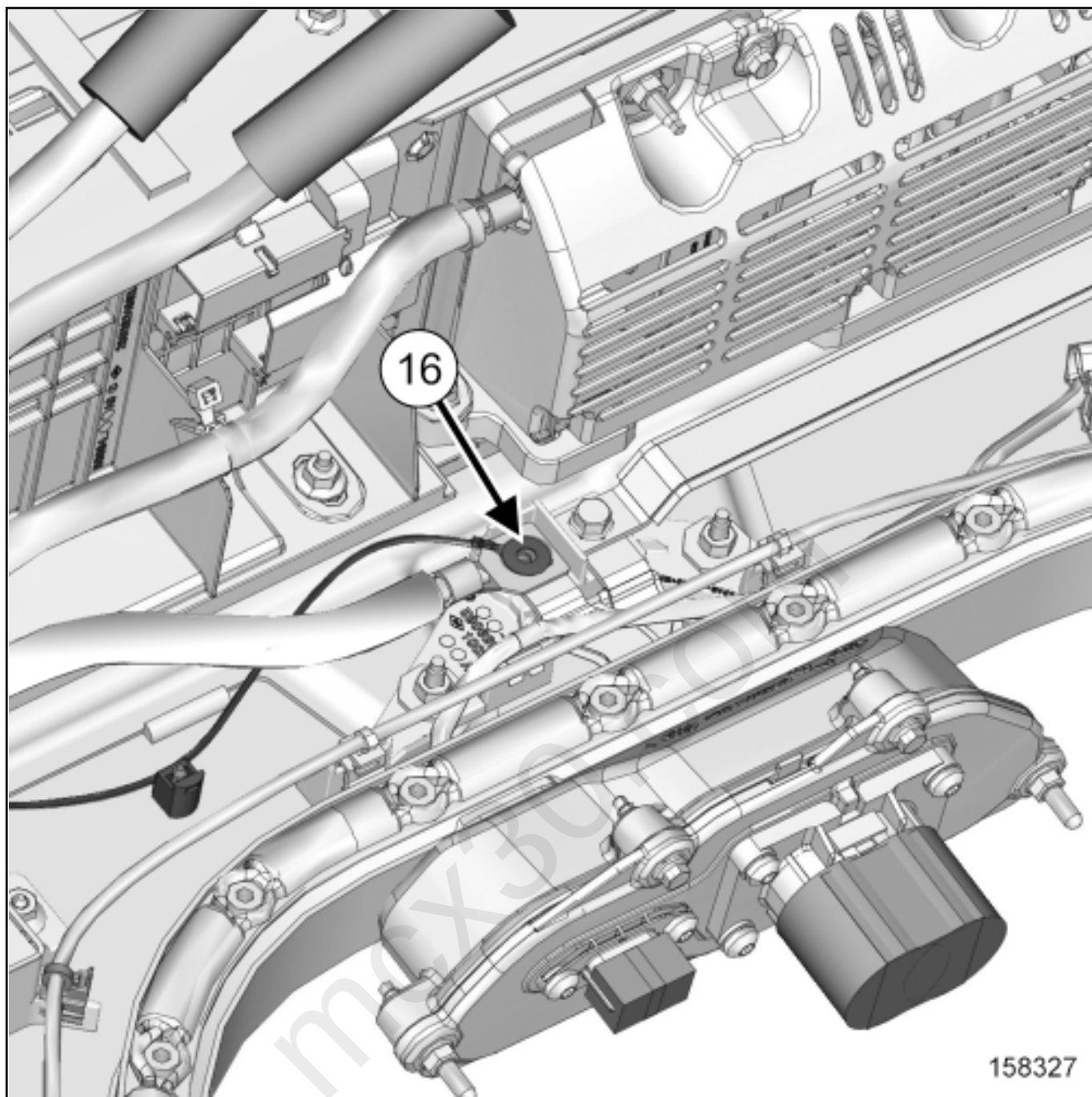


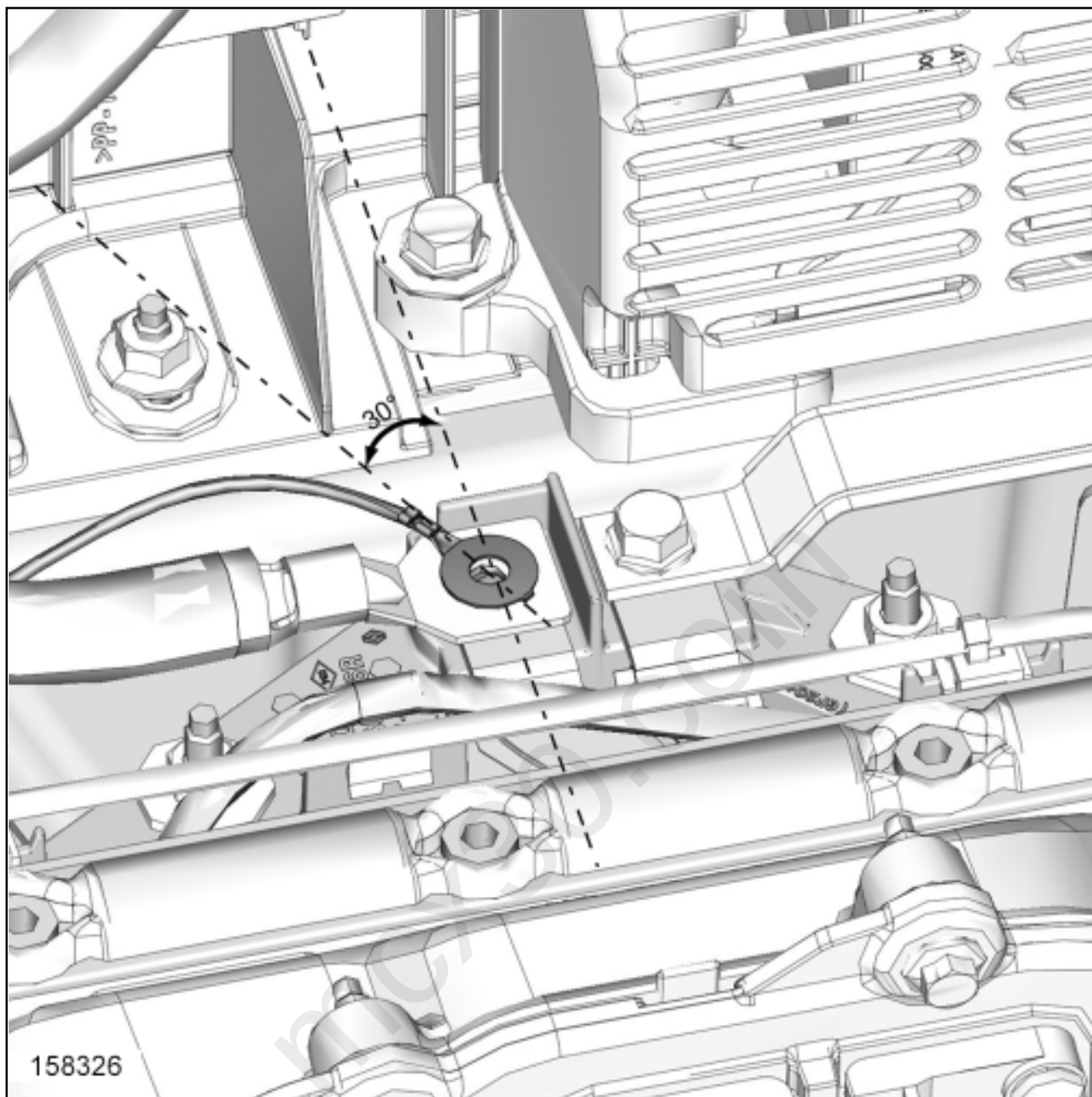
Clip the electronic filter wiring(15) .

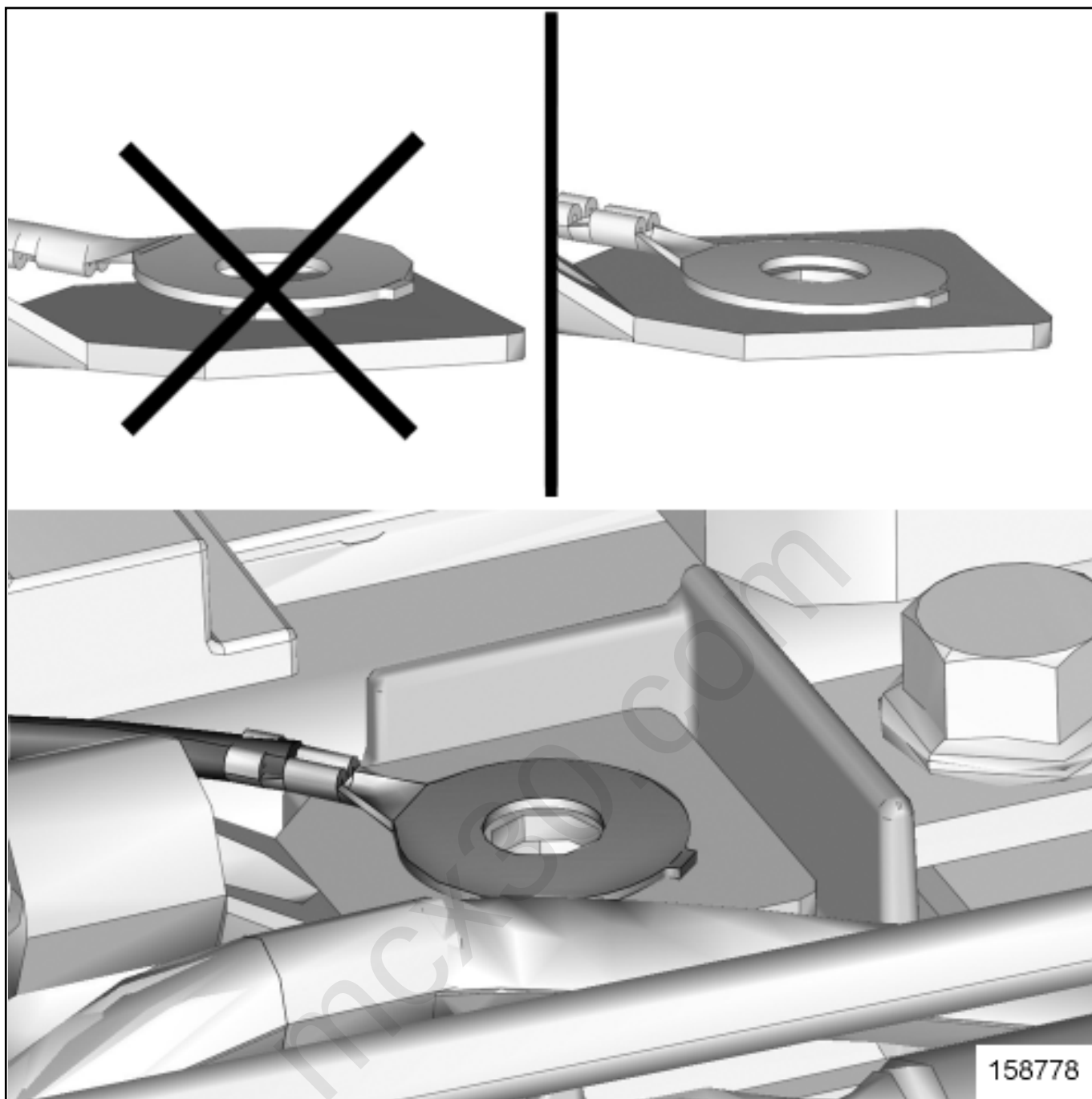


Note:

Get the electronic filter wiring on the bottom of the lower cover.







Refit the electronic filter lug(16) above the power wire number 4.



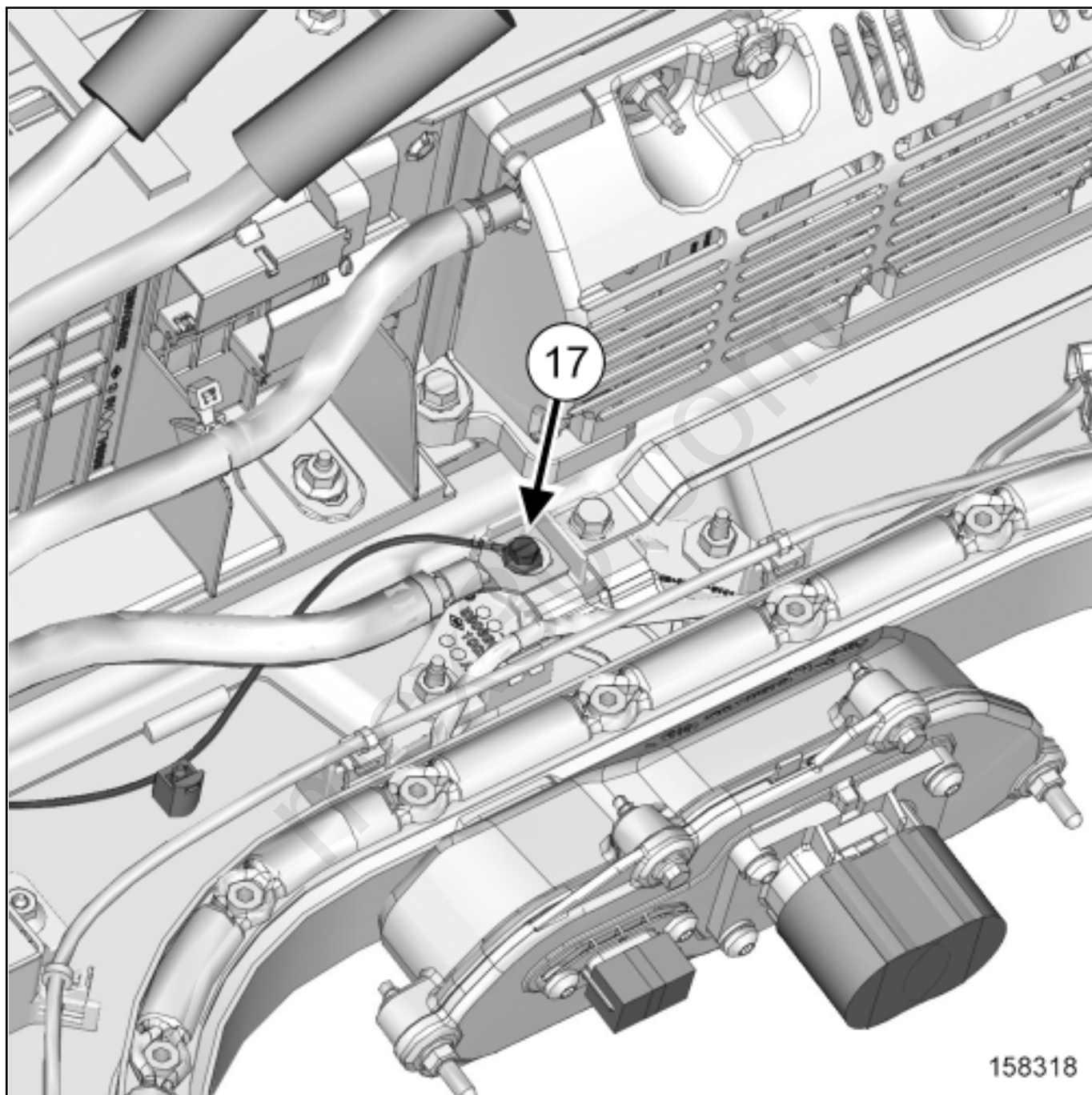
Note:

position the filter electronic lug to 30 degrees.



Note:

The flat of the filter electronic lug downwardly.



Refit the electronic filter wiring and power wire number 4 connection screw(17) on the insulated support using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#) ) .



Torque tighten the electronic filter wiring and power wire number 4 connection screw on the insulated support using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



Mark always the screw with a PAINT MARKER of a color different from the original.

## 2. FINAL OPERATION



Proceed in the reverse order to removal.



Repair-14x02x01x76-01x37-1-1-1.xml



XSL version : 3.02 du 22/07/11