

TRACTION BATTERY INTERNAL RESISTOR : REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Set of trim removal levers.

Car. 1363

▣ 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.



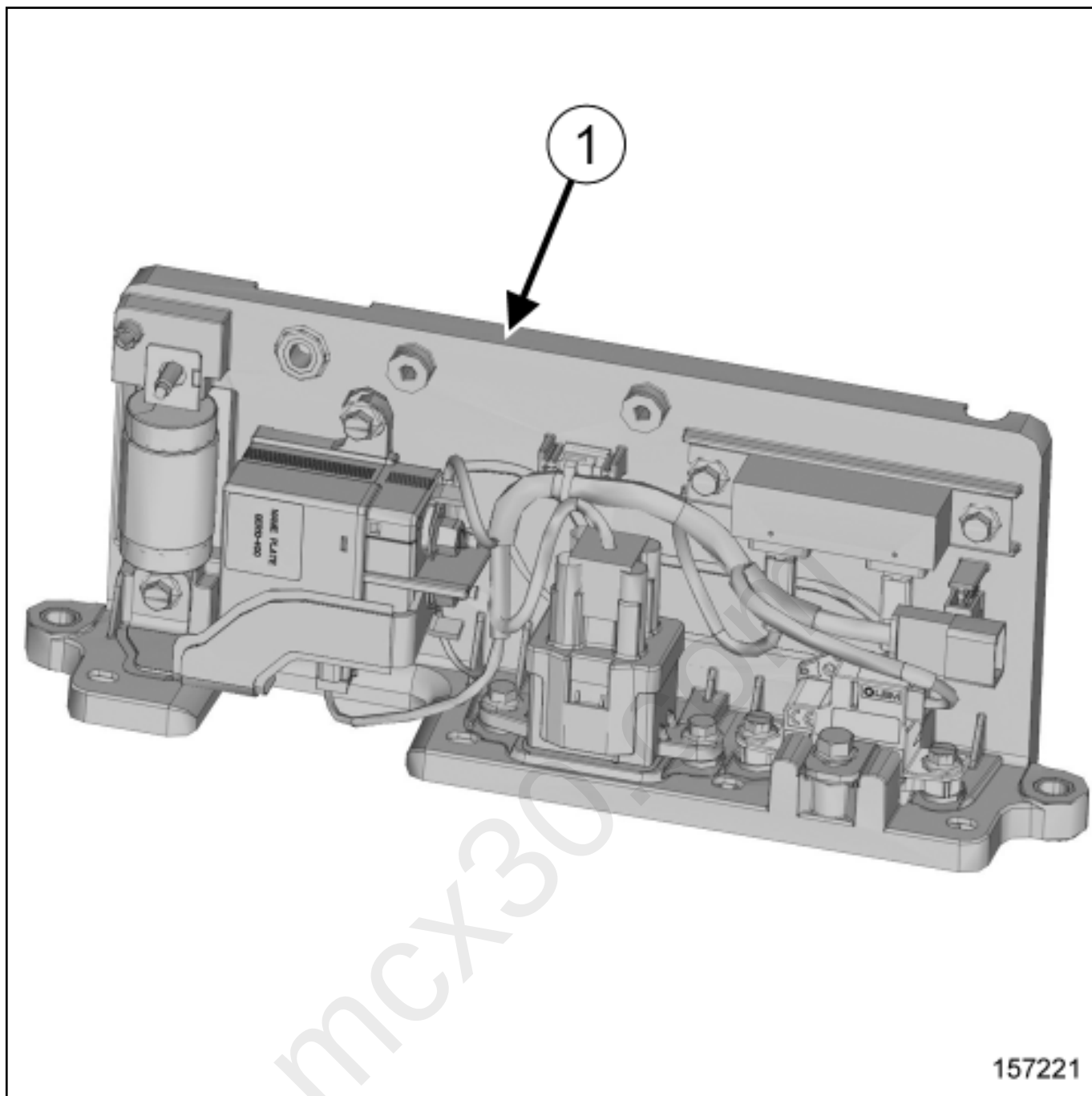
Risks of serious burns or electric shocks that may prove fatal.

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

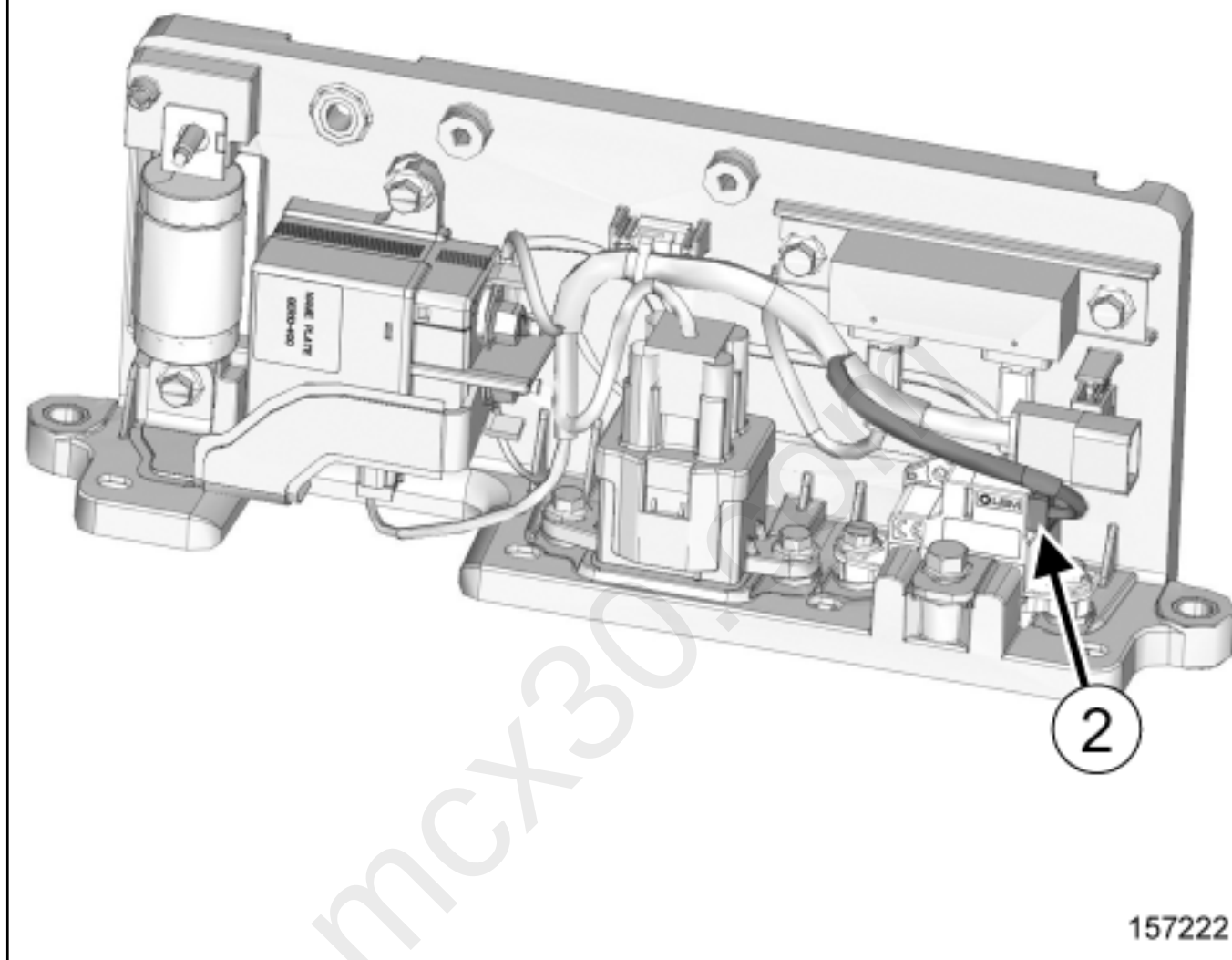
1. REMOVAL PREPARATION OPERATION

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

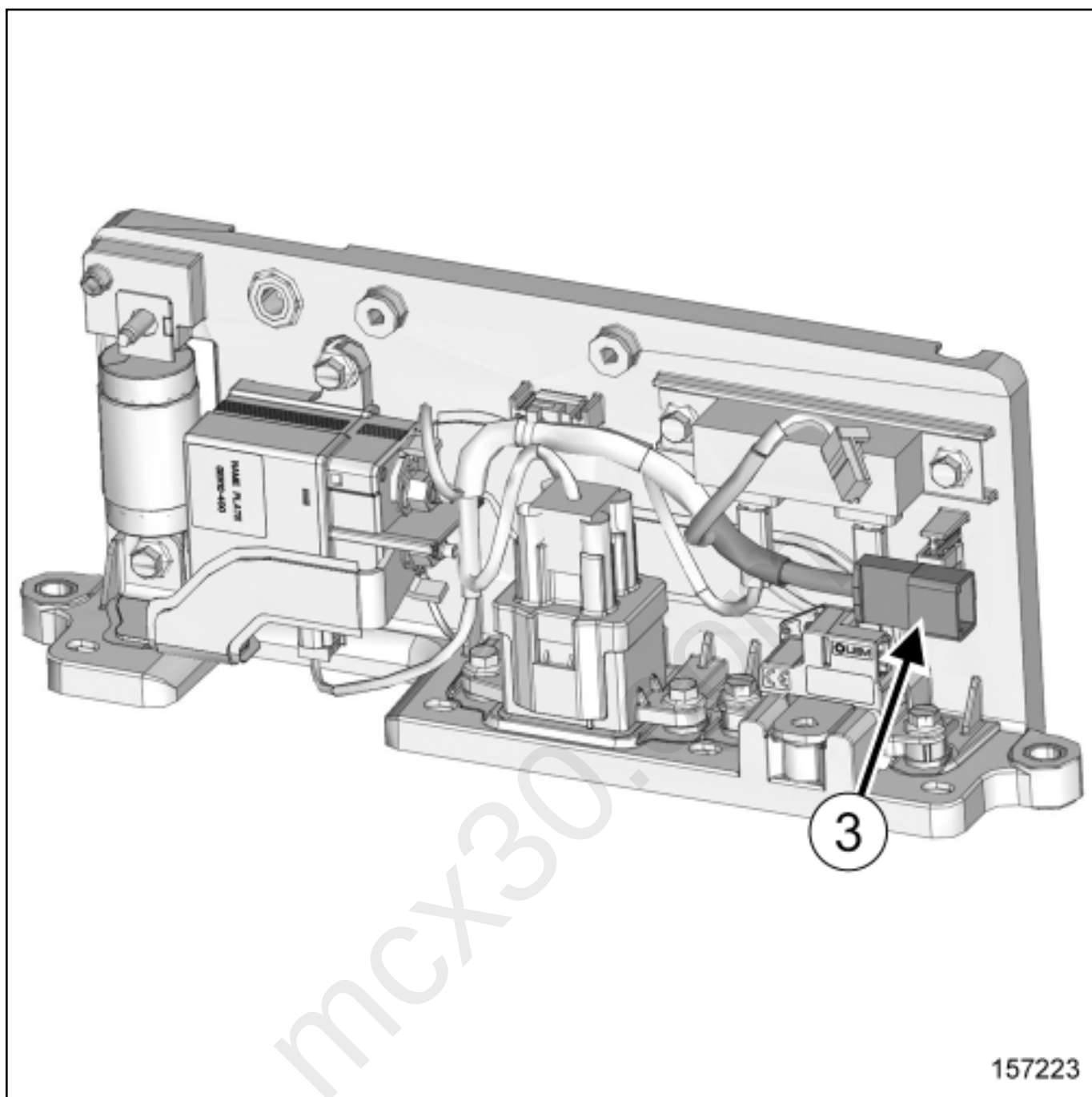


- Remove the traction battery internal junction box(1) ([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .

2. REMOVAL OPERATION

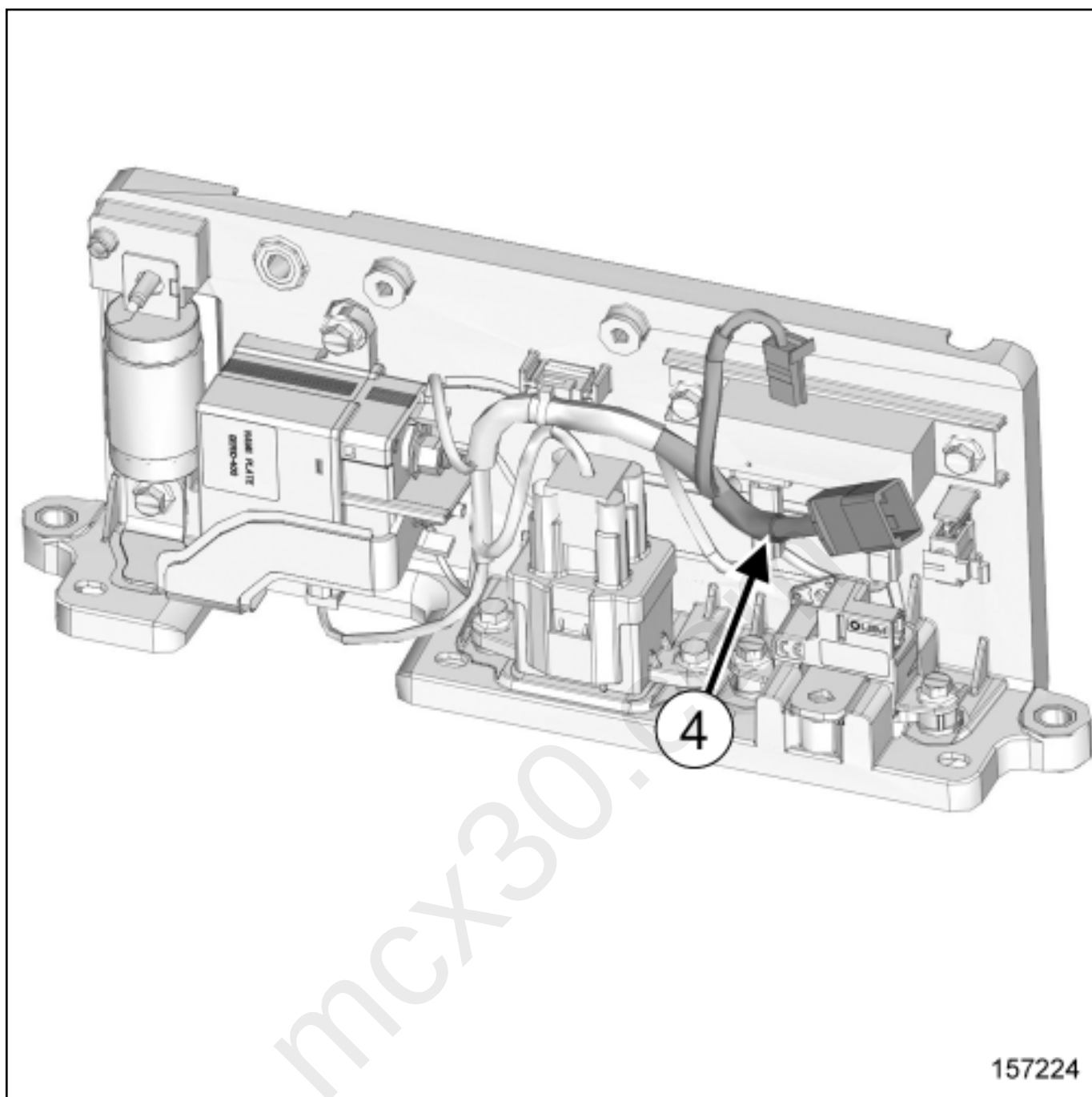


- Disconnect the current sensor plug(2) using the toolSet of trim removal levers.(Car. 1363) .
- Move the current sensor plug wire.

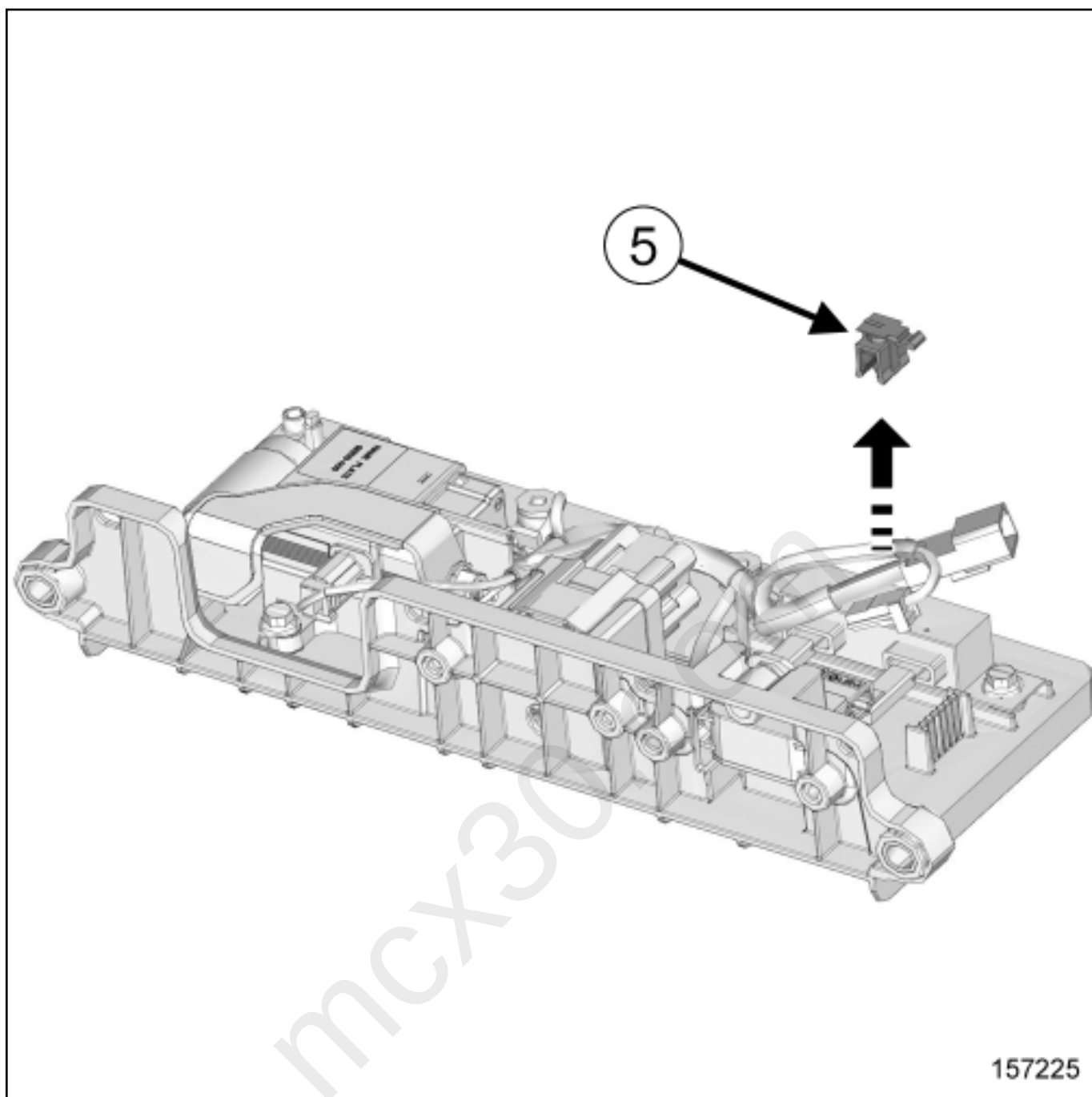


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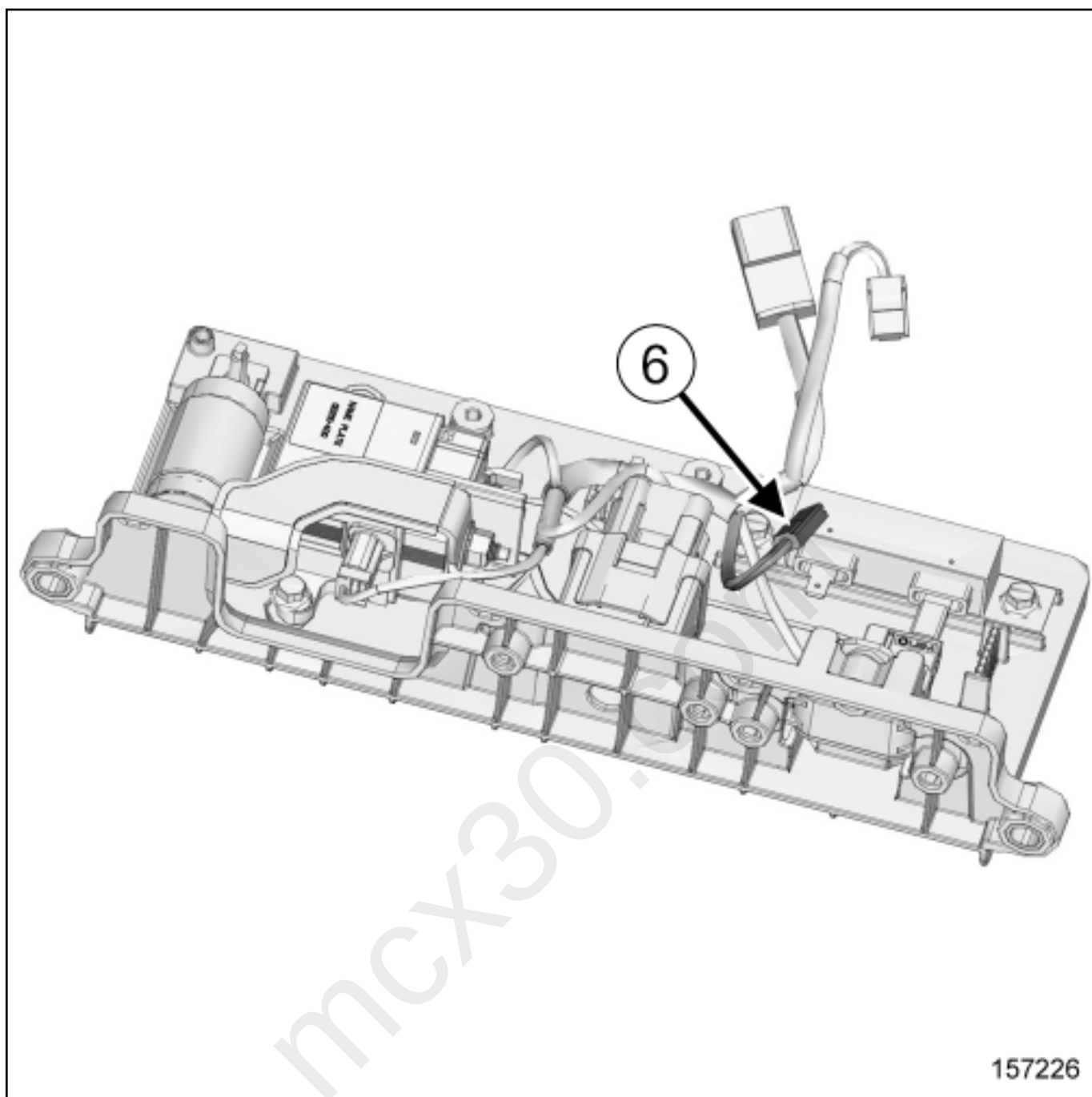
- Unclip the internal junction box wiring socket(3) using the toolSet of trim removal levers.(Car. 1363) .



Move the socket(4) of the internal junction box wiring.



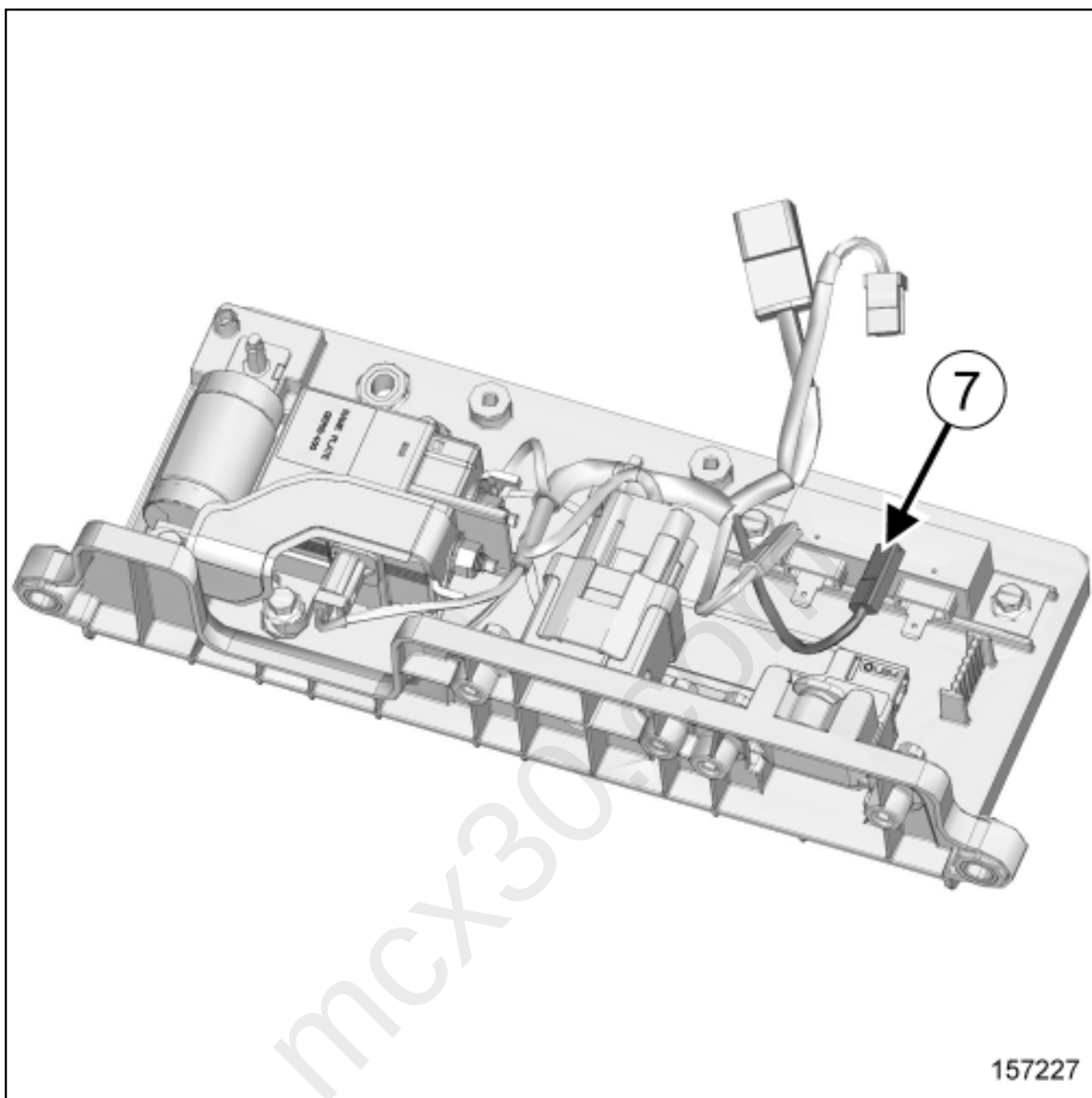
Unclip the clip(5) from the internal junction plate using the toolSet of trim removal levers.(Car. 1363) .



Disconnect the left side terminal(6) from the precharge resistor using the toolSet of trim removal levers. (Car. 1363) .



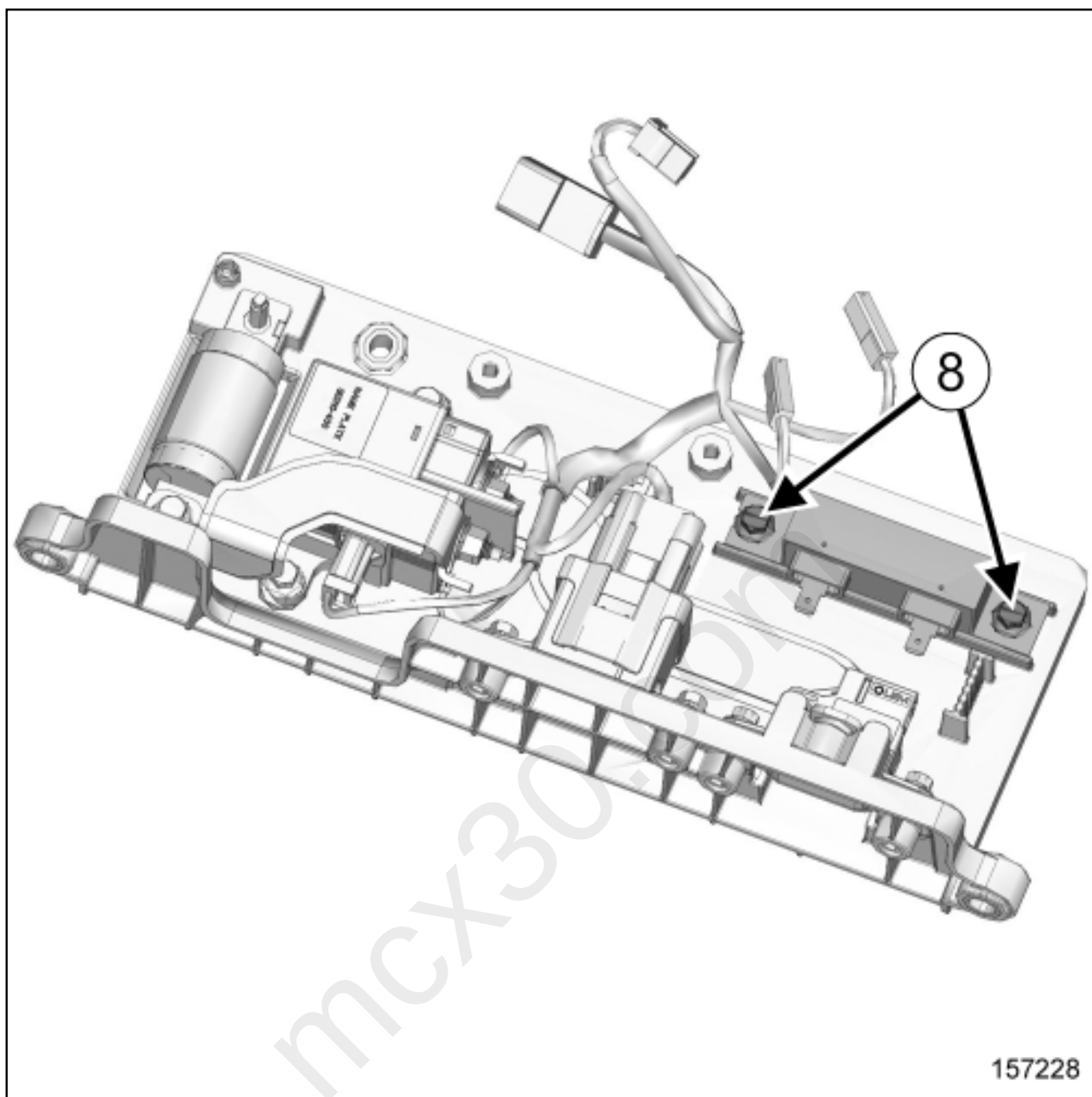
Move the left terminal plug wire.



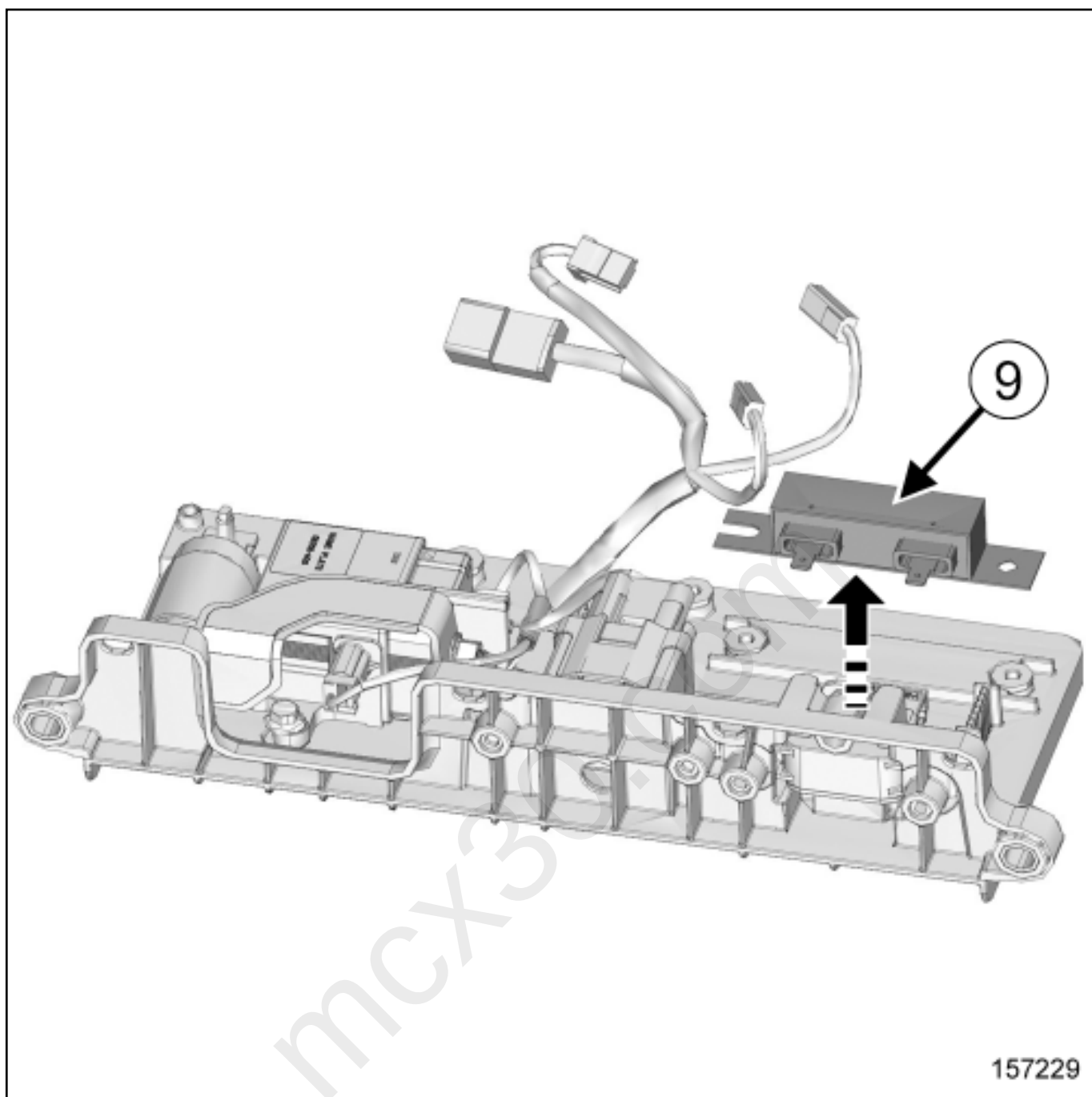
Disconnect the right side terminal from the precharge resistor(7) using the toolSet of trim removal levers. (Car. 1363) .



Move the right side terminal wire.



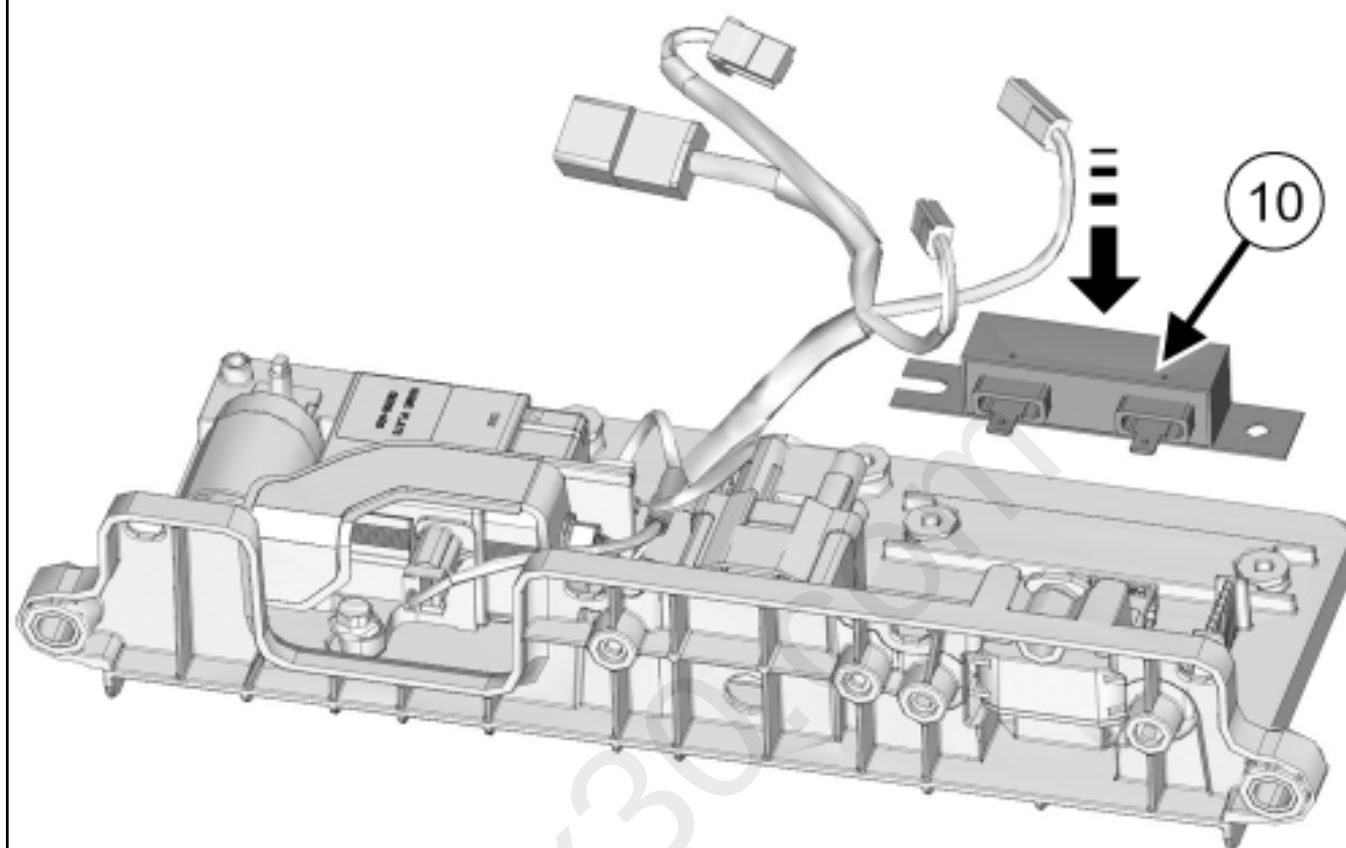
Remove the precharge resistor screws(8) using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



Remove the precharge resistor(9) .

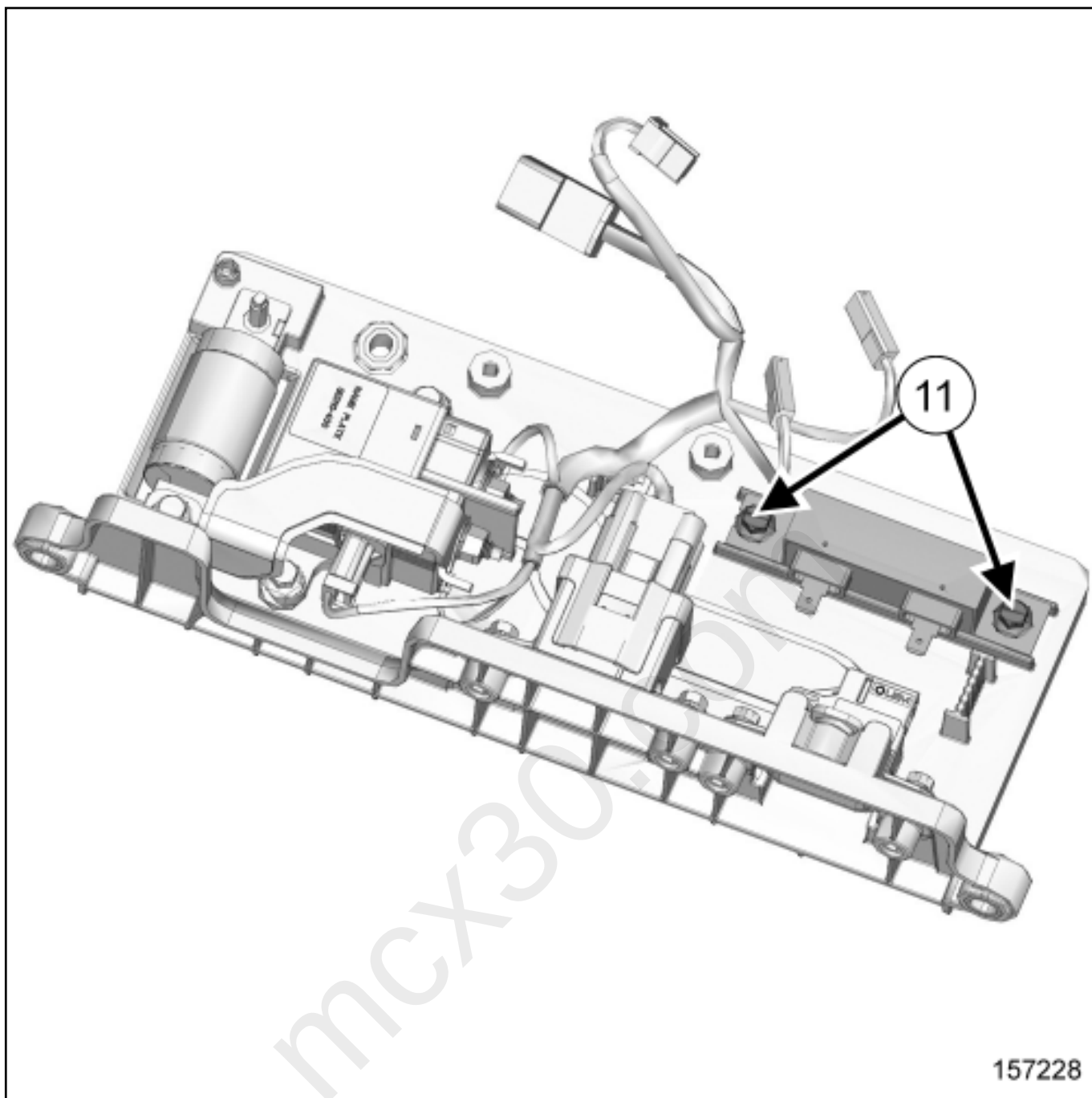
REFITTING

1. REFITING OPERATION



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Refit the precharge resistor(10) .



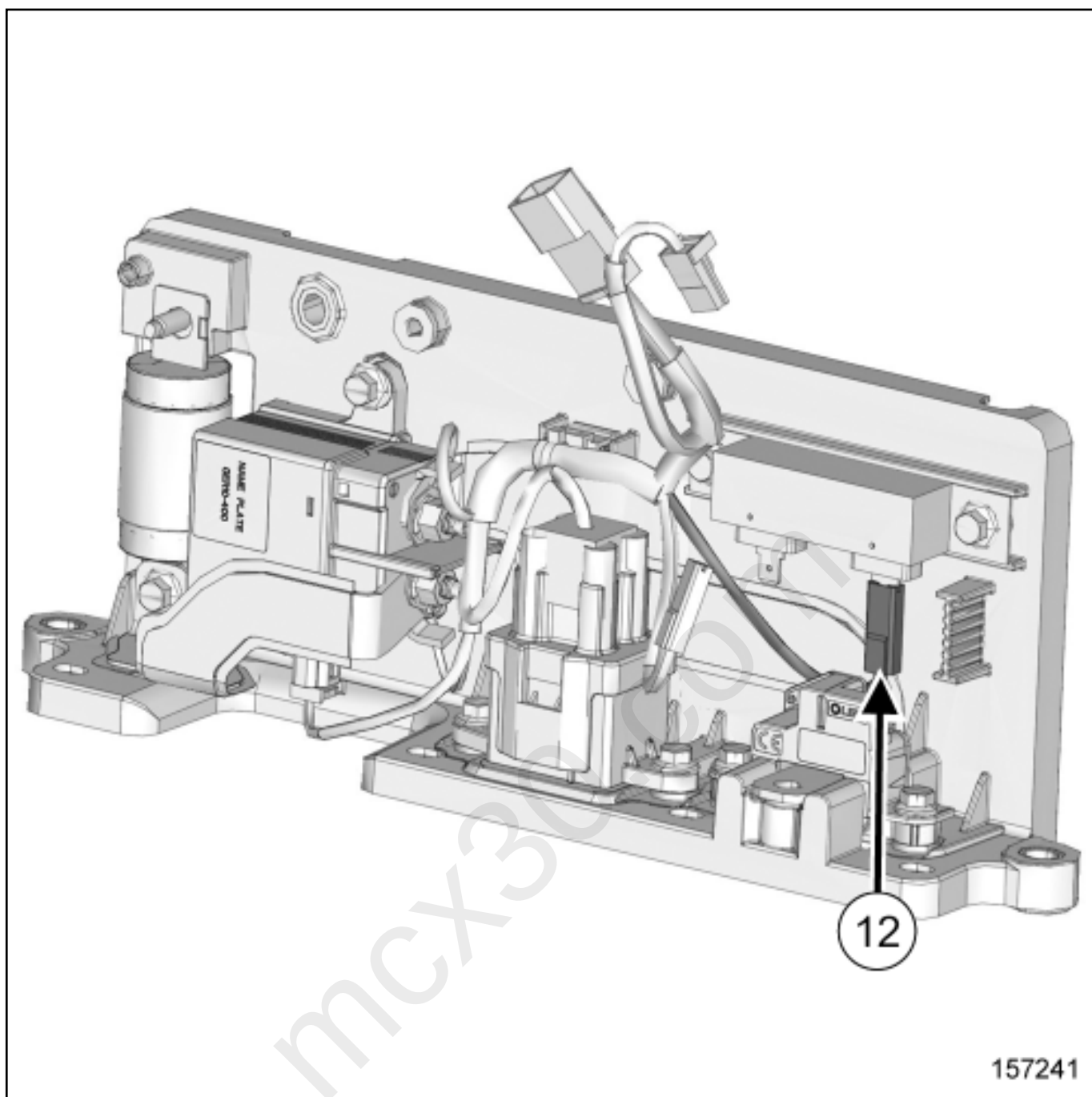
Refit the precharge resistor screws(11) using an insulated magnetic socket([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) .



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



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

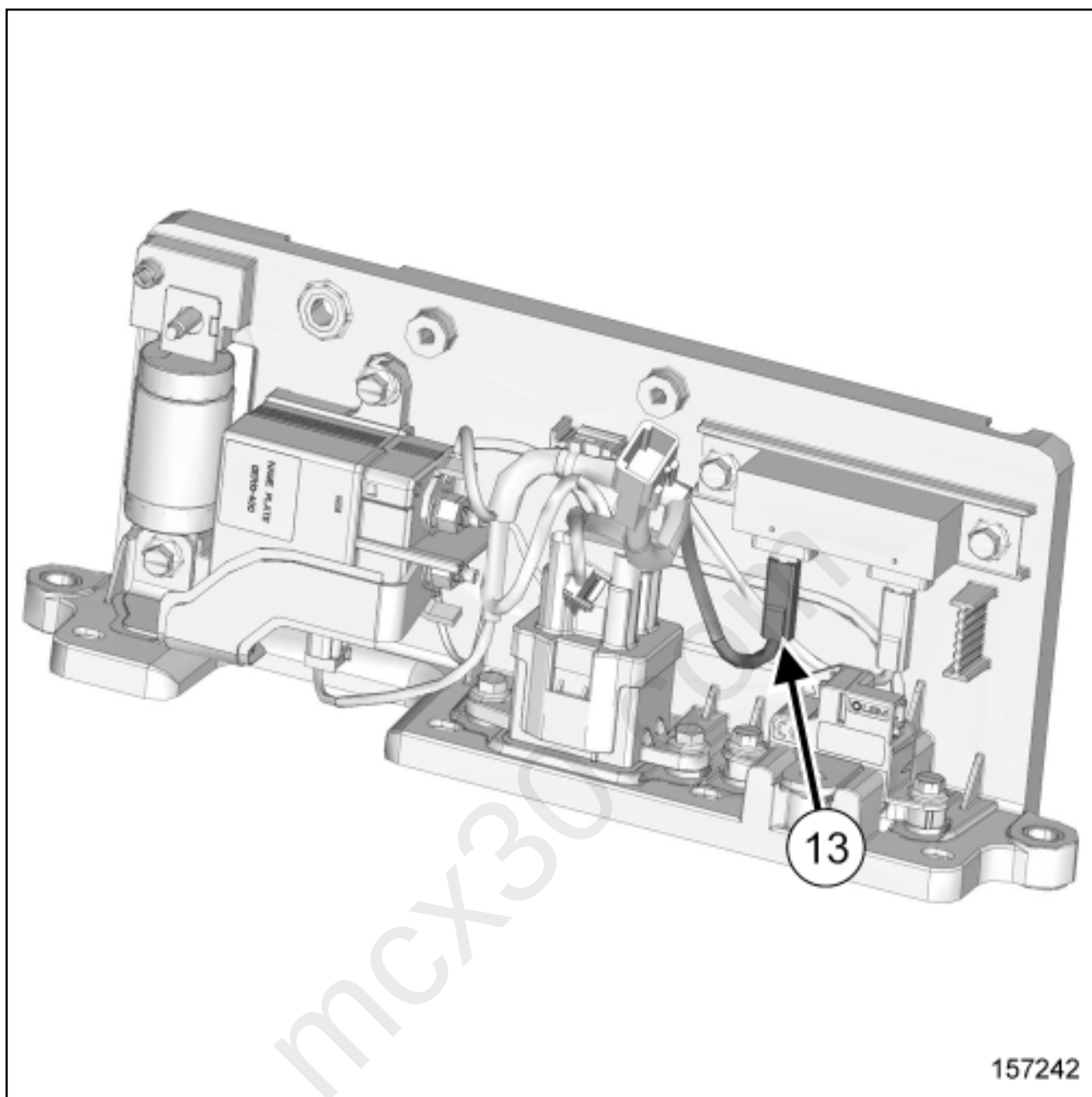


Connect the right side terminal from the precharge resistor(12) using the toolSet of trim removal levers. (Car. 1363) .



Note:

The black terminal wiring passes behind the current sensor.

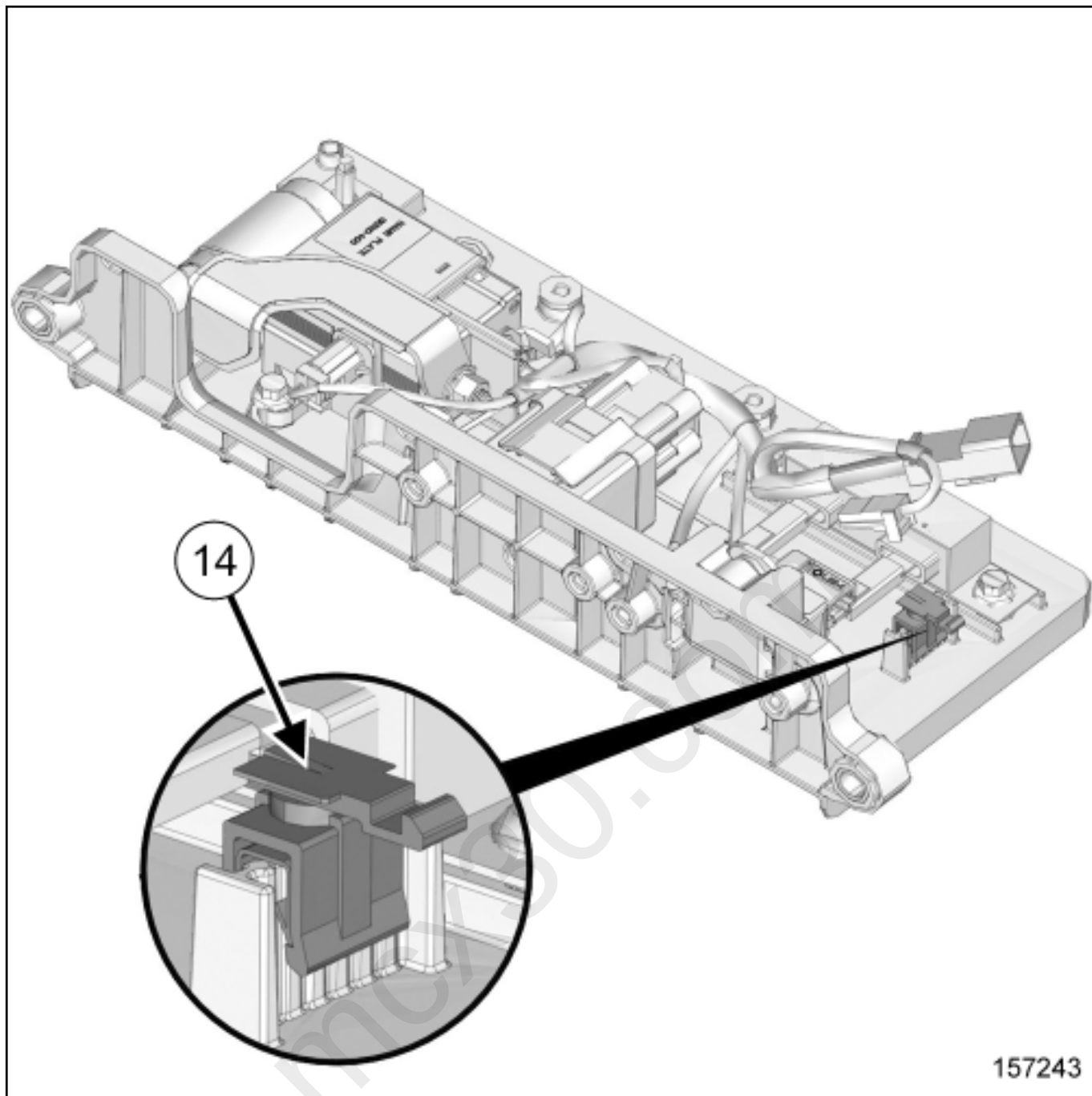


Connect the left side terminal from the precharge resistor(13) using the toolSet of trim removal levers. (Car. 1363) .



Note:

The blue terminal wiring passes over the control wiring and over the current sensor wiring.

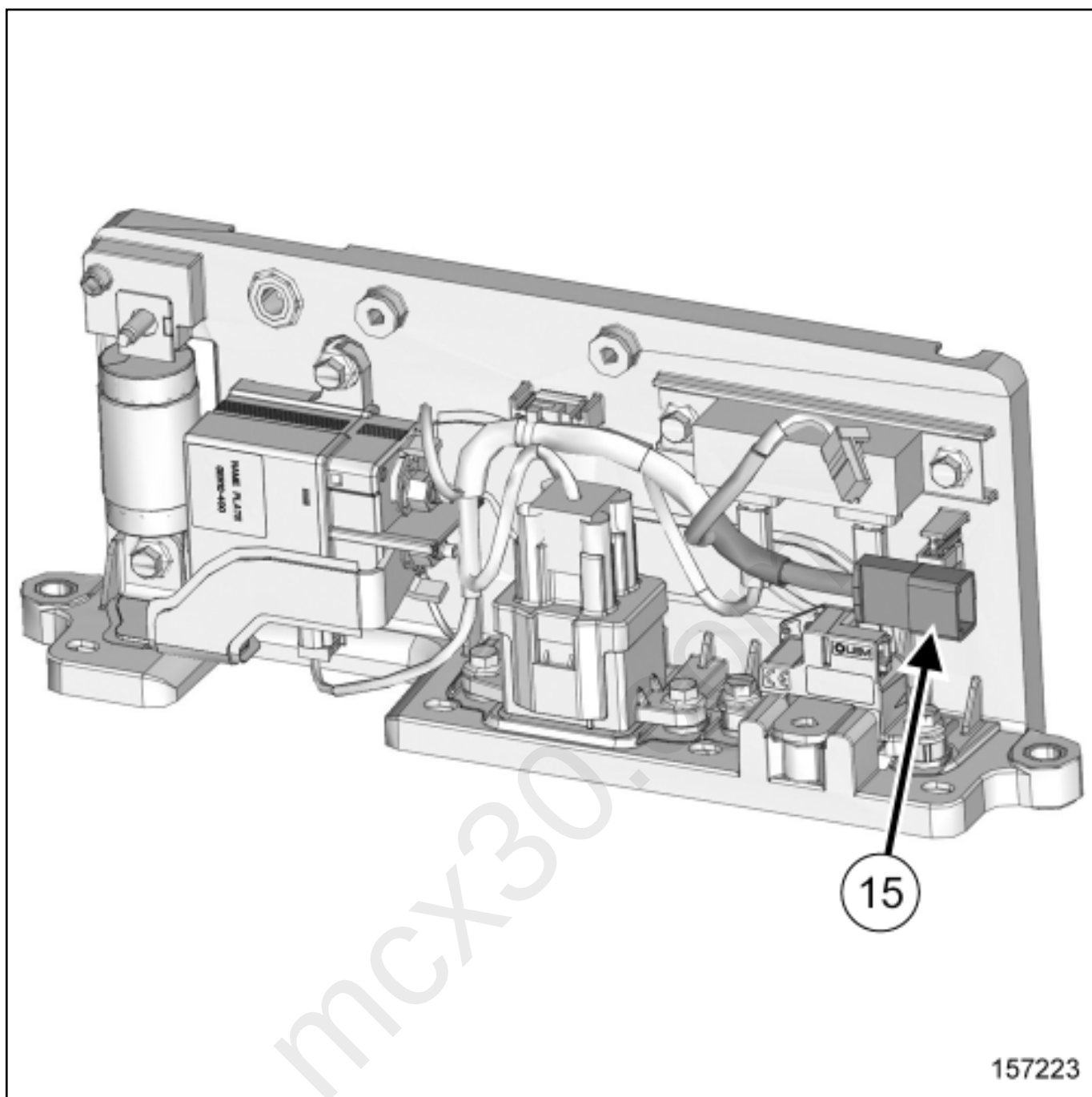


Clip the clip on the internal junction plate(14) .

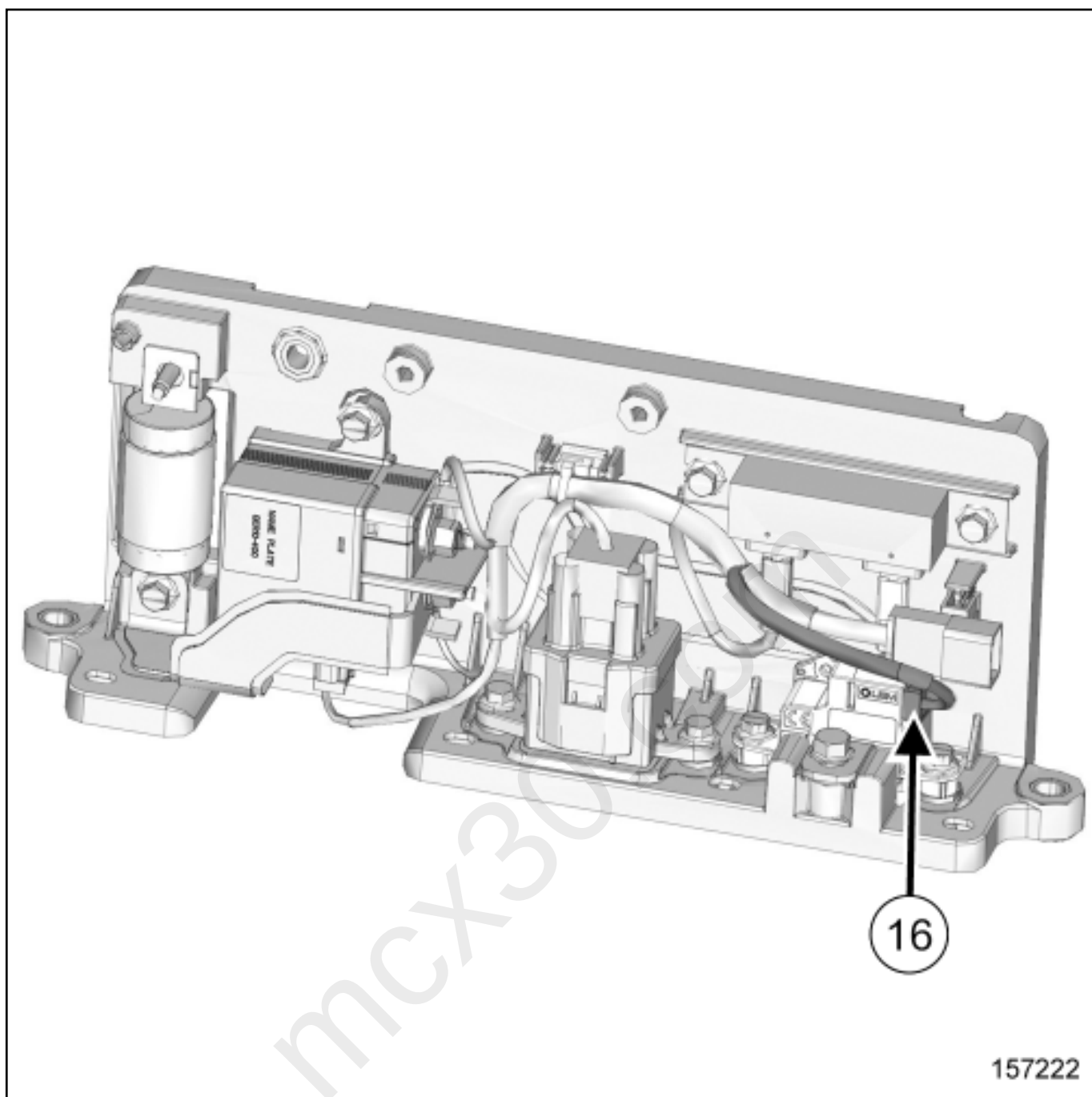


Note:

the lever of the clip to the right.



Clip the internal junction box wiring socket(15) using the toolSet of trim removal levers.(Car. 1363) .

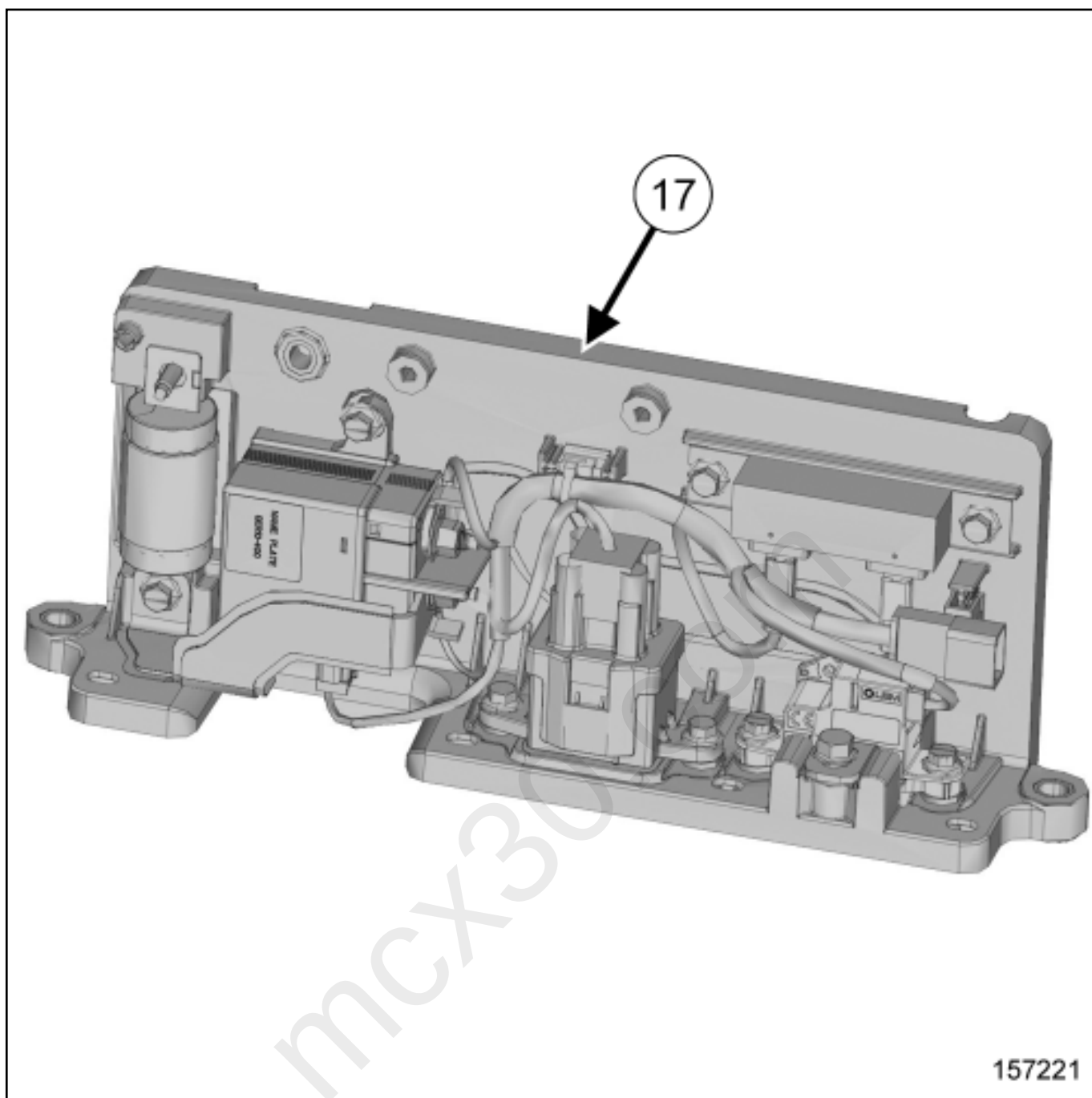


Connect the current sensor plug(16) using the toolSet of trim removal levers.(Car. 1363) .



Note:

Make a push-pull test on the connector.



Refit :



the traction battery internal junction box(17) ([see 19E, Traction battery, Traction battery module stack assembly : Exploded view](#)) ,



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

Proceed in the reverse order to removal.



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XSL version : 3.02 du 22/07/11

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