

ELECTRIC TRACTION POWER ELECTRONICS FUSES : REMOVAL - REFITTING



Note, one or more warnings are present in this procedure



Special tooling required

Set of trim removal levers.

Car. 1363

Equipment required

Diagnostic tool



parts always to be replaced:



Nuts and washers of the electric traction power electronics fuses

Seal of the flap of the electric traction power electronics fuses



WARNING

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

■ Vehicle: Precautions for the repair .

X10/5AM - X38/APL03/450/5AM : Location and specifications (tightening torques, parts always to be replaced, etc.) (see 17E, Power electronics, Electric vehicle charger assembly: Exploded view) .

X10/5AQ/601 : Location and specifications (tightening torques, parts always to be replaced, etc.) (see 17E, Power electronics, Electric powertrain assembly: Exploded view) .

REMOVAL

1. REMOVAL PREPARATION OPERATION

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 [Vehicle: Precautions for the repair](#) .

❑ Lockout the vehicle [Vehicle: Lockout - Removal of lockout](#) .

- ❑ Remove [\(see 17E, Power electronics, Electric powertrain assembly : Exploded view\)](#) :
- the fuse flap bolts,
 - the fuse flap,
 - the fuse flap seal.

2. REMOVAL OPERATION

- ❑ Remove [\(see 17E, Power electronics, Electric powertrain assembly : Exploded view\)](#) :
- the fuse nuts,
 - the fuse washers,
 - the fuses.

REFITTING

1. REFITTING PREPARATION OPERATION



Note:

Systematically replace the two fuses together at the same time.

parts always to be replaced:  [Nuts and washers of the electric traction power electronics fuses](#)  .

parts always to be replaced:  [Seal of the flap of the electric traction power electronics fuses](#)  .

2. REFITTING OPERATION

-  Refit ([see 17E, Power electronics, Electric powertrain assembly : Exploded view](#)) :
 - the two fuses,
 - the new fuse washers,
 - the new fuse nuts.
-  Torque tighten the fuse nuts([see 17E, Power electronics, Electric powertrain assembly : Exploded view](#)) .
-  Refit ([see 17E, Power electronics, Electric powertrain assembly : Exploded view](#)) :
 - the new fuse flap seal.
 - the fuse flap,
 - the fuse flap bolts.
-  Torque tighten the fuse flap bolts([see 17E, Power electronics, Electric powertrain assembly : Exploded view](#)) .

3. FINAL OPERATION

-  Proceed in the reverse order to removal.
-  Remove the lockout of the vehicle [Vehicle: Lockout - Removal of lockout](#) .
-  Apply the After repair procedure using the Diagnostic tool [Diagnostic tool : Use](#) :
 - Computer concerned by the After repair procedure:
 - "Electric vehicle charger" ,
 - Component controlled by this computer concerned by the After repair procedure:
 - "Electric traction power electronics fuses" .



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