

<b>Reference</b>	SSM71917
<b>Models</b>	XF / X250
<b>Title</b>	XF vehicles with battery charging warning lamp illuminated - 2012 Onwards
<b>Category</b>	Electrical
<b>Last modified</b>	18-Jul-2014 00:00:00
<b>Symptom</b>	206000 Warning Indicators
<b>Attachments</b>	SSM battery warning light illuminated.pdf

**Content****Issue:-**

Customers have reported that the battery charging warning lamp is illuminated

**Cause:-**

The main negative earth cable from the vehicle battery to the body at location G4D178 can work loose due to the fitting and removal of the negative battery clamp..

**Action:-**

If one or more of the concerns detailed below are indicated on the vehicle, then follow the numbered steps before replacing the Dual Battery Fuse Box to ensure accurate diagnostics.

- The battery warning light is illuminated.
- Stop Start functionality is inhibited.
- DTC's B1402-96 and/ or B1403-96 are logged.
- Battery Management System failure is flagged on SDD.

Diagnosis / Repair - (see attached file for location of terminal G4D178)

1. Loosen and remove the negative earth clamp from the battery.
2. Remove the white plastic fixing holding the harness onto the stud at location G4D178.
3. Remove earth stud fixing at location G4D178.
4. Disconnect the BMS connector from the BMS on the negative battery clamp bracket.
5. Ensure that the earth stud fixing, the mating eyelet and the area on the body around the stud fixing hole are clean and free from dirt.
6. Refit the earth eyelet using the earth stud to the body at location G4D178 and ensure that the fixing is torqued to 13.5Nm.
7. Re-connect the BMS connector onto the BMS.
8. Replace the white plastic harness locator fixing onto the stud at location G4D178.
9. Fit the negative battery clamp onto the negative battery post and re-tighten to the torque indicated in the workshop manual.
10. Validate that the reported concern is now fixed.