Reference	SSM64577
Models	XF / X250 XJ / X351
Title	Displayed Battery Warning Messages
Category	Electrical
Last modified	19-Apr-2013 00:00:00
Symptom	203000 Basic Electrical
Content	**Issue** A customer may report that prior to starting the engine or with ignition on (engine off), an Energy management or Low Battery message appears on the FCDIM / HLDF or IPK or both. ...

Issue

A customer may report that prior to starting the engine or with ignition on (engine off), an Energy management or Low Battery message appears on the FCDIM / HLDF or IPK or both.

Cause 1: Depletion of the Power Budget available to customer to enable use of vehicle features. (Note: The available Budget is restored after a Key On/Off event).

Model	FCDIM/HLDF display	IPK display
XJ 10-12 MY	"Low Battery - Please switch engine on or entertainment system will shut down in 3 mins."	"Low Battery- Please start engine"
XJ 13MY onwards	"Energy management - System will shut down in 3 minutes"	None
XF 12MY onwards (Except 2.2D from 14my onwards)	"Energy management - System will shut down in 3 minutes"	None

Cause 2: Battery state of charge has been reduced to 50%

Model	FCDIM/HDLF Display	IPK Display
XJ 10 - 12 MY	"Low Battery - Please switch engine on or Entertainment system will shutdown in 3mins."	"Low Battery- Please start engine"
XJ 13MY onwards	"Energy management - System will shutdown in 3 minutes"	"Low Battery- Please start engine"
XF 12MY onwards (Except 2.2D from 14MY onwards)	"Energy management - System will shutdown in 3 minutes"	"Low Battery- Please start engine"

Action:

Establish from the customer, if any vehicle features had been in use with the engine not running prior to the message appearance. If so advise the customer that this is a normal function of the vehicle to protect the customer from experiencing a discharged battery.

If an issue is suspected check the following before commencing with in depth diagnostics:-

- Carry out a battery test using a Midtronics tester, follow the recommended actions as per the "Battery Care requirements" document located in Topix Section 414:00.
- Check the BMS and Battery cables to ensure that no loose connections exist.