

## BATTERY MONITOR SYSTEM

The Battery Monitor System (BMS) introduced on the 2009 MY XF is carried over to the 2010 MY XK. The BMS module is mounted to the negative battery terminal and is integral to the negative battery cable. The BMS module communicates with the engine control module (ECM) via the LIN and CAN bus networks.

**NOTE:** When using a Jaguar-approved battery charger or maintainer, connect the charger to the recommended ground point to ensure that the charge flows through the BMS module instead of the negative battery terminal. Failure to observe this will log a diagnostic trouble code (DTC), and incorrect battery condition information will be retained by the BMS module due to unmonitored current flow into the battery. However, the system will recognize and compensate for the change in the battery status after a period of time.

If a new battery is fitted to the vehicle, the BMS module will require recalibrating to the new battery parameters using IDS. Replacing the BMS module requires no action as the system will self-calibrate.

**⚠ CAUTION:** Due to the self-calibration routine, it is recommended that all power supply diagnostic testing is carried out using IDS rather than a digital multimeter.

