Reference	SSM71869
Models	F-TYPE / X152
	XE / X760
	XF / X260
	XJ / X351
Title	Unable To Unlock / Start Vehicle With Smart Key
Category	Electrical
Last modified	03-Sep-2015 00:00:00
Symptom	203000 Basic Electrical
Attachments	111Instructions to record a CAN trace.pdf (111Instructions to record a CAN trace.pdf)
	Non start RFA BCM RGTM - SSM flowchart 28_07_15.pdf (Non start RFA BCM RGTM - SSM flowchart 28_07_15.pdf)
Content	Models affected
	XJ / X351 – 13MY onwards
	F-Type/ X152 – 14MY onwards
	XF-X260-16MY onwards
	XE-X760-16MY onwards
	Issue
	Jaguar are currently investigating Body Control Modules (BCM) and Remote Function Actuators (RFA) replaced for a non-start condition
	Following supplier analysis the modules have been categorised as "No Fault Found".
	Cause
	Currently under analysis.
	Action
	If a vehicle is presented with the following symptoms please follow the test procedure outlined below before consideration is given to
	component replacement:
	Vehicle does not lock or unlock using the key fob, or passive entry exit is not functioning.
	After gaining entry to the car using key blade it does not start.
	Even if entry is possible to the car, the car does not start when start button is pressed.
	The vehicle has not had a software download immediately prior to the failure.
	Test procedure:
	Please follow the test procedure as detailed in the flowchart attached. Please note details at all important decision points. If this process
	unsuccessfull in resolving the issue please submit a Technical Assistance(TA) request.
	Process for obtaining a can trace are also attached.
	Please Note:
	1. Do not disconnect the battery or perform a hard reset on the vehicle at least until this flow chart has been followed.
	2. Do not disconnect or move any connectors on the BCM
	3. If entry is gained in the vehicle with the key blade the alarm may sound, do not press the ignition switch to shut the alarm

## Instructions to record a CAN trace

## **Pre-requisites**

To carry out a CAN link monitor recording you must ensure you have the appropriate SW version and Firmware version *for the device under use* is updated as per the following procedure

SW= Software installed on tester (updated through Windows Start > All Programs > JLR > SDD > VCI Device Drivers)

FW= Firmware installed on device (updated through DA App Hub for DA devices & I-View Device Manager for I-View)

VCM - N/A (automatically updated but DVD137+ recommended)
DA-Dongle - SW: V4.0 / FW: V57
DA-Davina - SW: V4.0 / FW: V57
DA-ST512 - SW: V4.0 / FW: V57
I-View - SW: V1.4.0 / FW: V5.1.0
MongoosePro JLR - SW: V1.1.12 / FW: N/A (automatically updates)

## To run the CAN Link Monitor without diagnostics in Symptom Driven Diagnostics (SDD):

- 1. Select 'START' (Windows 7) or the Windows icon (Windows XP) from bottom tool bar.
- 2. Select 'All Programs'.
- 3. Select 'JLR'.
- 4. Select 'SDD'.
- 5. Select 'CAN Link Monitor'. A pop-up box will show.
- 6. Select 'Capture'.
- 7. Select 'Configure'.
- 8. Select the vehicle from the Platform drop-down menu.
- 9. Make sure both the Low Speed and High Speed CAN Networks are selected.#
- 10. Select "'MONITOR WITHOUT RUNNING DIAGNOSTICS' from the Filter range box
- 11. Insert USB Flash Drive into a USB port on the SDD machine.
- 12. Select the drive location for the USB Flash Drive from the Log File box.
- 13. Enter in the vehicle VIN as the File Name.
- 14. Select 'OK'.
- 15. Select 'CAPTURE'
- 16. Select 'START LOGGING'.A pop-up box will show 'Logging started successfully'.
- 17. Minimise the CAN Link Monitor window to the tool bar.
- 18. Start the vehicle function that needs to be monitored.
- 19. When the vehicle function has completed, select CAN Link Monitor tab from the tool bar.
- 20. Select 'CAPTURE'.
- Select 'STOP LOGGING'. A pop-up window will display 'Logging stopped successfully'.
- 22. Locate the CAN Link Monitor file on the USB Flash Drive.
- 23. Open file and make sure the data has recorded correctly.
- 24. Close the file.
- 25. Remove the USB flash drive from SDD machine.





contact DTS for help in recovering this data. Or attach to TA.

## To stop the CAN Link Monitor :

19. When the vehicle function has completed, select CAN Link Monitor tab from the tool bar.

20. Select 'CAPTURE'.

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21. Select 'STOP LOGGING'. A pop-up window will display 'Logging stopped successfully'.

22. Locate the CAN Link Monitor file on the USB Flash Drive.23. Open file and make sure the data has recorded correctly.24. Close the file.

25. Remove the USB flash drive from SDD machine.