



MODEL
2007 XK

DATE
06 Apr 2006

NUMBER
XK419-002

SERVICE

TECHNICAL BULLETIN

SECTION: 419-10

Falsely Flagged Diagnostic Trouble Codes

AFFECTED VEHICLE RANGE:

New XK

VIN: B00001 onwards

Model Year: 2007

CONDITION SUMMARY:

FALSELY FLAGGED DIAGNOSTIC TROUBLE CODES (DTC)

This bulletin has been issued to inform the dealers of a number of DTC that can be falsely flagged.

Situation: This bulletin identifies a number of DTC's that may be cleared and ignored. The Integrated Diagnostic System (IDS) "help text" may provide alternative actions for some codes.

Action: Refer to the appended table of codes associated with various vehicle modules that under most circumstances can be ignored or simply explained by the "Service Notes" information.

PARTS:

No parts required. Information purposes only.

WARRANTY:

Normal warranty policy and procedures apply.

NOTE: The information in Technical Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers."
If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether the bulletin applies to a specific vehicle.

REPAIR PROCEDURE

IDENTIFY AND CLEAR DIAGNOSTIC TROUBLE CODES

DTC	ECU	Description	Service Notes
B100B-67	Instrument Cluster (IC) Module	Column lock ground authorization - signal incorrect after event.	Clear and ignore this DTC, unless IDS help text states otherwise.
B100B-87	IC Module	Column lock ground authorization - missing message.	Clear and ignore this DTC, unless the driver has complained of engine non-start, or IDS help text states otherwise.
B100C-67	IC Module	Column lock supply authorization - signal incorrect after event.	Clear and ignore this DTC, unless IDS help text states otherwise.
B100C-87	IC Module	Column lock supply authorization - missing message.	Clear and ignore this DTC, unless the driver has complained of engine non-start, or IDS help text states otherwise.
B1026-13	Central Junction Box (CJB)	Steering column lock - open circuit.	Clear and ignore this DTC, unless IDS help text states otherwise.
B108A-29	CJB	Start button - signal invalid.	Clear and ignore this DTC, unless driver has complained of 'Engine System Fault' warning message. or IDS help text states otherwise.
B1318-00	Parking Brake Module (PBM)	Low voltage.	On CD43 - Before taking further action check the Electronic Park Brake (EPB) manufacturer module software number. The software version can be obtained by running the network integrity test from 'Configuration' menu. This will give a base number of 6W83-14C168 followed by a 2 digit suffix. If the suffix reads AB or below, this DTC is invalid for this vehicle variant and no rectification work is required. If the suffix reads AC or higher, the DTC is valid for this vehicle variant and rectification work is required. Refer to 'Diagnosis and Testing' in GTR to help diagnose the fault(s) associated with this DTC.

DTC	ECU	Description	Service Notes
B1A85-15	Instrument Cluster (IC) Module	Ambient light sensor - circuit short to battery or open circuit.	Clear and ignore this DTC, unless IDS help text states otherwise. Confirm sensor is working using auto headlamps.
B1B01-67	IC Module	Key transponder - signal incorrect after event.	Unless IDS help text states otherwise, clear and ignore this DTC. If B1B33(64) (Target ID transfer - signal plausibility failure) is also logged, see help text for B1B33(64), otherwise run 'Key Verify' to ensure transponders are working.
B1B33-64	IC Module	Target ident. transfer - signal plausibility failure.	Clear and ignore this DTC, unless the driver has complained of engine non-start, or IDS help text states otherwise.
B1B74-00	Automatic Temperature Control (ATC) Module	Front foot-defrost mode stepper actuator.	This DTC is unreliable. The following steps need to be taken to determine if the DTC has logged for valid reasons: Step 1 - A battery reset, low battery voltage or occasionally engine cranking can cause this DTC to log, if a battery reset or low battery voltage has not happened since the last clearance of DTC from the control module. Step 2 - Investigate the fault. Step 3 - If a hard fault has been found, fix fault. Step 4 - If a hard fault has not been found, ignore the DTC. No further rectification work is required. NOTE: This DTC cannot be rectified by running the software download procedure.
B1B75-00	ATC Module	Front foot-face mode stepper actuator.	Same as above.
B1B76-00	ATC Module	Front left air blend stepper actuator.	Same as above.
B1B77-00	ATC Module	Front right air blend stepper actuator.	Same as above.
B2A90-16	Battery Junction Box (BJB)	Battery voltage low.	Perform a battery check in accordance with GTR procedures: Battery Care Manual. Clear the DTCs after noting them in a service report/log, along with their snapshot data. NOTE: This is an information-only DTC and must not be used to change batteries without supplementary testing as outlined above.

DTC	ECU	Description	Service Notes
P0232-00	Engine Control Module (ECM)	Fuel pump secondary circuit high.	Ignore this DTC unless P008700 'Fuel Rail/System Pressure - Too Low' is also logged.
U0405-83	ECM	Invalid data received from Cruise Control Module (CCM) - value of signal protection calculation incorrect.	This DTC occurs when invalid cruise control switch data is received from the Steering Wheel Module (SWM). However, the DTC can be produced by the driver inserting an object (including a key fob) into the Starter Control Unit (SCU). The driver would see 'Cruise not available' displayed within a few seconds of inserting the object. Confirm with the driver when fault occurred. If the fault occurs without using the SCU, confirm operation of the SWM.
U0405-8F	ECM	Invalid data received from CCM - erratic.	Same as above.
U0417-81	Adaptive Speed Control Module (ASCM)	Invalid data received from EPB.	Check for DTCs in Electric Park Brake (EPB) system and rectify. This DTC can remain in the Adaptive Cruise Control (ACC) system even after EPB faults have been rectified and all DTCs on the vehicle cleared. In this situation perform an ignition cycle to reset the EPB then clear ACC DTCs again. Re-read the ACC DTCs to confirm code has now cleared.
U0422-00	Parking Brake Module (PBM)	Invalid data received from front smart junction box.	Same as above.
U2012-08	Driver Door Module (DDM)	Car Configuration File (CCF) parameters - bus signal/message failures.	On vehicles prior to VIN B01982, clear and ignore this DTC.
U2012-08	Passenger Door Module (PDM)	Car Configuration File (CCF) parameters - bus signal/message failures.	On vehicles prior to VIN B01982, clear and ignore this DTC.
U2100-00	DDM	Initial configuration not complete.	On vehicles prior to VIN B01982, clear and ignore this DTC.

DTC	ECU	Description	Service Notes
U2100-00	PDM	Initial configuration not complete.	On vehicles prior to VIN B01982, clear and ignore this DTC.
U3000-55	Integrated Control Panel	Control module not configured.	Clear and ignore this DTC, on Integrated Control Panel (ICP) software 6W83-14C535-AA.
U3000-87	Integrated Control Panel	Control module missing message.	Clear and ignore this DTC, on ICP software 6W83-14C535-AA.
U3003-17	Dynamic Stability Control Module (DSCM)	Over voltage.	This DTC can occur while the Battery Isolation Transit Relay is installed.
U3003-62	Information and Entertainment Control Module	Battery voltage - signal compare failure.	Clear and ignore this DTC, unless IDS helptext states otherwise.
U3003-62	Keyless Vehicle Module	Battery voltage - signal compare failure.	Clear and ignore this DTC, unless IDS helptext states otherwise.
U3003-62	Parking Brake Module (PBM)	Battery voltage - signal compare failure.	Same as above.