



XK

DATE 07/04

303-66

**SERVICE****TECHNICAL BULLETIN****Engine Pinging –  
Check Long And Short Term Fuel Trim –  
Repair Procedure**MODEL 2003-04 MY  
XK 8 NA

VIN A30645-A37134

**Issue:**

Some 2003-04 MY XK vehicles within the above VIN range, may exhibit pinging during normal vehicle operation.

This bulletin outlines a possible ECM reflash that can be performed if analysis of the long and short term fuel trim values using Worldwide Diagnostic System (WDS) does not show any faults.

**Action:**

In case of a verified customer complaint of pinging on a 2003-04 MY XK vehicle within the above VIN range, check long and short term fuel trim values using Worldwide Diagnostic System (WDS). If no faults are found, re-configure the Engine Control Module (ECM) as outlined below.

WORKSHOP PROCEDURE

1. Position WDS alongside vehicle, switch the Portable Test Unit (PTU) 'ON' and allow software to load.

**Note:** Ensure WDS is loaded with software release JTP 759/33 or later.

2. Connect PTU to the vehicle diagnostic link connector (DLC) using the diagnostic cable.
3. Enter VIN and navigate to DTC monitor.
4. Record all DTCs in the ECM and Transmission Control Module (TCM).

**Note:** Carry out any associated diagnostic routines, clear any fault DTCs. Carry out any repairs as a separate Warranty Claim.

5. Navigate to datalogger.
6. Select park and run engine to attain normal operating temperature.

**NOTE: THE INFORMATION IN TECHNICAL BULLETINS IS INTENDED FOR USE BY TRAINED, PROFESSIONAL TECHNICIANS WITH THE KNOWLEDGE, TOOLS, AND EQUIPMENT 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." DO NOT ASSUME THAT A CONDITION DESCRIBED AFFECTS YOUR CAR. CONTACT A JAGUAR RETAILER TO DETERMINE WHETHER THE BULLETIN APPLIES TO YOUR VEHICLE.**

7. Select and view signals for long term fuel trim (LTFT) bank 1 and bank 2, and short term fuel trim (STFT) bank 1 and bank 2.

**Note:** If a reading of greater than 7% is displayed, check for a possible air leak or for fuel starvation. Check that intake ducts are secure and that there are no leaks. Carry out any repairs, if needed, as a separate Warranty Claim, then continue from step 8. If a reading of less than 7% is displayed continue from step 8.

8. Navigate to configuration main menu.
9. Select and run 're-configure existing ECM' application.
10. After successful completion, switch 'OFF' PTU, disconnect from vehicle and return WDS to original location.

**Global Technical Reference (GTR) Workshop Manual Information:**

Dealer Access: <https://hub.franchise.jaguar.com>

Internet access: <http://www.jaguartechno.com>

**Warranty Information:**

Warranty claims should be submitted quoting the information found in the table below. This will result in payment of the stated time and, where applicable parts/miscellaneous expense codes as listed.

| Description                     | SRO      | Time     | Causal Part Number |
|---------------------------------|----------|----------|--------------------|
| 4.2L N/A Detonation service fix | 86.93.40 | 0.6 hrs. | LNG 1410CC         |