Please read this bulletin understanding even if "engine pinging / detonation" is not currently an issue, anytime there is an ECM update pertaining to fuel system control and ESPECIALLY when involving fuel trim, the latest software must be installed before replacing any catalytic converter for any reason.

XJ303-04

XJ range

DATE
06/04
Amended
12/04
MODEL
2004 MY
XJ range
VIN
G00421-G34527
Engine Pinging/Detonation -
Check Long And Short Term Fuel Trim -
Reprogram ECM
Remove and destroy Bulletin XJ303-04, dated 06/04.
Replace with this Bulletin.
The causal part no. and WDS software version have been updated.

Issue:

Some 2004 MY XJ range vehicles within the above VIN range, may experience engine pinging or knocking.

Action:

Should a customer experience engine detonation (pinging), check the long and short term fuel trim values using Worldwide Diagnostic System (WDS). If no faults are found, reconfigure the Engine Control Module (ECM). Follow the workshop procedure outlined below.

WORKSHOP PROCEDURE

1. Position WDS alongside vehicle, switch Portable Test Unit (PTU) "ON" and allow software to load.
* Note: Ensure WDS is loaded with software release JTP 759/35 or later.*
2. Connect PTU to vehicle using diagnostic cable.
3. Enter VIN and navigate to DTC monitor.
4. Record all codes in the ECM and Transmission Control Module (TCM).
   Note: Carry out any associated diagnostic routines and clear any fault codes. Any repairs are to be carried out as a separate Warranty Claim.
5. Navigate to datalogger.

6. Select "park" and run engine to normal operating temperature.
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, suspect a possible air leak or fuel starvation. Check intake ducting for security and leaks. Any repairs are to be carried out 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 reconfigure existing "ECM" application.
10. After successful completion, switch "OFF" PTU, disconnect from vehicle and return WDS to original location.