

Please read this bulletin understanding the mention of possible P0171 or P0174 codes present.

Remember, these fuel trim related codes are generally set when the ECM is at its limit of correction, LONG after false catalyst codes or actual catalyst damage will likely occur.

Since Jaguar Cars has issued a bulletin specifically citing contaminated fuel injectors in these vehicles, it is good practice to reduce the possibility of this condition being the cause of a failed catalyst, or repeating catalyst efficiency codes even if the vehicle owner has no immediate complaint of rough idle or hesitation.

Performing an injector service before replacing any catalytic converter may reduce the chance of a costly comeback.

XJ303-05

XJ range

DATE

12/04

MODEL

2004 MY-ON

XJ range

VIN

G00001-ON

Rough Idle/Hesitation -  
Contaminated Fuel Injectors -  
Cleaning Procedure

Issue:

Some vehicles may exhibit hesitation during acceleration or a rough idle. The MIL may also be illuminated.

Action:

In case of a customer complaint of the above condition, follow the workshop procedure outlined below.

#### WORKSHOP PROCEDURE

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

Note: Ensure WDS is loaded with software release JTP 759/34 or later.

2. Connect the PTU to vehicle's DTC using diagnostic cable.

3. Enter VIN and navigate to DTC monitor.

4. Record all diagnostic trouble codes (DTC) in the Engine Control Module (ECM) and Transmission Control Module (TCM).

Note: If any of the following DTCs: P0300 to P0308, P0171 or P0174 are present, check for loose intake components. Any repairs are to be carried out as a separate Warranty Claim. If no fault is identified with the intake components, suspect contaminated fuel injectors; continue from step 9. If no DTCs are logged, continue from step 5.

5. Navigate to datalogger.

6. Connect exhaust extraction hoses to the vehicle.

7. Select park and run engine to attain normal operating temperature.

8. Select and view signals for long term fuel trim (LIFT) bank 1 and bank 2.

Note: If a reading of greater than 10% is displayed, check for loose intake components. Any repairs are to be carried out as a separate Warranty Claim. If no fault is identified with the intake components suspect contaminated fuel injectors; continue from step 9.

Jaguar Cars recognizes that there are many types of commercially available pressurized injector cleaning kits as well as cleaners to choose from. You may use any existing equipment you have provided you are able to obtain satisfactory results.

However, if you need to purchase this equipment, Jaguar Cars recommends the Ford Motorcraft Pressurized Injector Cleaning Kit and Motorcraft pressurized injector cleaner. This equipment has been fully tested by Jaguar engineering and has been found to perform to Jaguar Specifications.

The Motorcraft Injector Cleaning kit, CM-1000 and cleaner, CM-1001 can be obtained through Excelda Manufacturing, (248) 486-3800 ext. 114 Kristi Mitchell.

Additionally, the Wynn's brand Injector cleaning kit and cleaner are also recommended, and can be obtained from a local distributor. To locate a distributor call (800) 989-8363 or visit [www.wynnsusa.com](http://www.wynnsusa.com).

9. Remove the necessary fuse(s) to prevent the operation of the fuel pump. Refer to the electrical guide in Global Technical Reference (GTR) or Owners hand book for fuse(s) location.
10. Start and run the engine until it stops (fuel system depressurized).  
Note :A DTC will be logged when the engine is run with the fuel pump fuse(s) removed.
11. Switch ignition "OFF".
12. Displace the spring clip from the fuel supply hose spring lock coupling where it joins the fuel rail.
13. Install special tool 310-D005 on the fuel rail supply hose.
14. Use special tool 310-D005 to disconnect the fuel rail supply hose from the fuel rail.
15. Remove special tool 310-D005.
16. Install a suitable blanking plug in the fuel supply hose.
17. For effective fuel injector cleaning, in this instance, it will be necessary to carry out the cleaning process for a continuous twenty minute period using two bottles of injector cleaner at 3.3 bar +/- 0.2 bar.
18. Remove the blanking plug from the fuel supply hose.
19. Connect the fuel supply hose to the fuel rail.
20. Reinstall the fuse(s) for the fuel pump.
21. With WDS already connected, clear DTCs.

Parts Information:

N/A

Warranty Information:

Description	SRO	Time	Causal Part Number
Pressurized fuel injector cleaning - All types	19.91.67	1.3 hrs.	AJ8 2353