



S-TYPE

DATE 12/04

S303-21

SERVICE

TECHNICAL BULLETIN

Rough Idle/Hesitation – Contaminated Fuel Injectors – Cleaning Procedure

MODEL 2003 MY-ON
S-TYPE

VIN M44998-ON

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 DLC 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.

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.

8. Select and view signals for long term fuel trim (LTFT) 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.

Note: Please have a Credit Card available when ordering

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.

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 \pm 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.

Global Technical Reference (GTR) Workshop Manual Information:

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

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

Parts Information:

N/A

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
Pressurized fuel injector cleaning - All types	19.91.67	1.3 hrs.	AJ8 2353