



November 9, 2009

Daniel Smith
Associate Administrator for Safety Assurance
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington, D.C. 20590



Subject: NHTSA Campaign - 09V424

2010 MY Jaguar XF Fuel Tank Transfer Pipe Recall (Jaguar Recall Number J016) - Updated Technical Bulletin

Dear Mr. Smith:

Pursuant to 49 CFR 573, Defect and Non-compliance Reports, Jaguar Land Rover North America, LLC is submitting an updated technical bulletin sent to our dealers regarding Jaguar Recall J016.

Sincerely,

p.p. Gary Temple
President
Jaguar Land Rover North America

Attachment



TECHNICAL BULLETIN

No: J016
Issue: 2
Date: 04 NOV 2009

CIRCULATE TO:

Service ✓

Parts ✓

Warranty ✓

Body Shop ✓

ISSUE '2' CHANGES ARE HIGHLIGHTED WITH GRAY BACKGROUND

SECTION: 310

SAFETY RECALL: Fuel Transfer Tube

AFFECTED VEHICLE RANGE:

XF (X250) 4.2L V8 Only

VIN: R46314 - R63008
Model Year: 2010

CONDITION SUMMARY:

Situation: It is possible that the fuel transfer tube in the fuel tank assembly is kinked or the fuel transfer tube has been over-inserted into the in-tank fuel delivery module during fuel tank assembly. This may cause the vehicle to experience fuel starvation while indicating the presence of approximately one-quarter (¼) of a tank of fuel on the fuel gauge.

This kink in the fuel transfer tube or incorrect assembly of the fuel transfer tube into the fuel delivery module restricts fuel being transferred from one side of the fuel tank to the fuel pump causing fuel starvation at low fuel levels. Fuel starvation to the engine leads to engine stumble followed by engine cut-out with minimal warning and could potentially cause a crash.

When the vehicle speed drops below the torque converter speed lock-up threshold, i.e.; the point at which the rear wheels disengage from the engine, Power Assisted Steering (PAS) and Brake Vacuum Reservoir replenishments will be lost; however, the mechanical steering will remain functional with some increase in steering effort and the braking system will remain functional with some increase in brake pedal effort.

Once the engine has cut out the vehicle will not restart until it has been refueled.



CAUTION: Ensure vehicle has less than three-quarters (¾) of a tank of fuel before beginning the Repair Procedure.



NOTE: Affected vehicles must be repaired in conjunction with Service Action K050.

Action: Dealers are required to update the affected vehicles within their control and withhold them from retail delivery pending completion of the rework action. Refer to the Repair Procedure outlined below to repair the fuel tank transfer tube.

For Recall notification details, refer to Service Bulletins 7-62CAN and 7-62USA.

PARTS:



NOTE: Due to the current limited stock of the flange seals, Dealers were automatically shipped an initial allocation of flange O-ring seals 29 October 2009. These seals should be used to repair urgent customer vehicle concerns and secondarily to support the repair and sale of affected new vehicles prior to delivery. Additional parts will be available to order early-November. The part number will initially be an 'SA' Service Action Block and dealers should order reasonable quantities only. Please contact the Unipart DOC team to have orders released.

C2Z 7361.....Flange O-ring seal

Qty: 1

TOOLS:

310-123Fuel pump module lock ring tool

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 Dealer, do not assume that a condition described affects your vehicle. Contact an authorized Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

WARRANTY:

△ **NOTE:** Always check DDW to verify that the vehicle is affected by this Recall Action or any other Service Action prior to undertaking any repair as some vehicles may have been repaired in port. DDW reflects only those vehicles affected and un-repaired. Affected vehicles must be repaired in conjunction with Service Action K050.

△ **NOTE:** Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to DDW to obtain the latest repair time.

Warranty claims should be submitted quoting the Program Code 'J016' together with the relevant Option Code 'B' or 'C'; this will result in payment of the stated time. As Option Codes are used, there is no requirement to enter SRO information; these are displayed for information only. The option that allows for drive in / drive out may only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

Program Code	Option Code	Description	SRO	Time (hours)	Parts	Qty
J016	B	Repair fuel transfer tube	19.91.97.01	0.50	C2Z 7361	1
J016	C	Repair fuel transfer tube	19.91.97.01	0.50	C2Z 7361	1
		Drive in / drive out	10.10.10	0.10		

Normal warranty policy and procedures apply.

REPAIR PROCEDURE

REPAIR FUEL TRANSFER TUBE

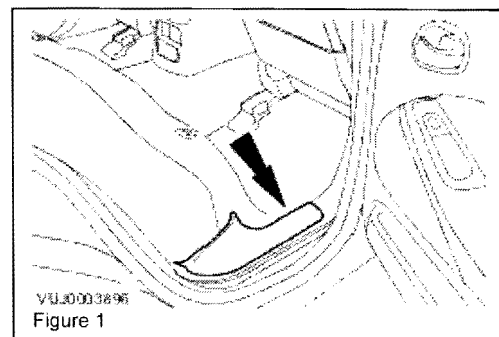
- ⚠ WARNING:** Place the vehicle in a quarantined area and arrange 'No Smoking/Petrol Fumes' signs about the vehicle.
- ⚠ WARNING:** Before any work is carried out on the fuel system, ground the vehicle to earth and maintain the ground connection until the work is complete.
- ⚠ WARNING:** Do not smoke or carry lighted tobacco or open flame of any type when working on or near any fuel related components. Highly flammable vapors are always present and may ignite. Failure to follow these instructions may result in personal injury.
- ⚠ WARNING:** The fuel system remains pressurized for a long time after the ignition is switched off. The fuel pressure must be relieved before attempting any repairs. Failure to follow these instructions may result in personal injury.
- ⚠ WARNING:** After carrying out repairs, the fuel system must be checked visually for leaks. Failure to follow these instructions may result in personal injury.
- ⚠ WARNING:** This procedure involves fuel handling. Be prepared for fuel spillage at all times and always observe fuel handling precautions. Failure to follow these instructions may result in personal injury.
- ⚠ WARNING:** If taken internally, do not induce vomiting, seek immediate medical attention. Failure to follow these instructions may result in personal injury.
- ⚠ WARNING:** If fuel contacts the eyes, flush the eyes with cold water or eyewash solution; seek immediate medical attention.

⚠ CAUTION: Ensure vehicle has less than three-quarters (3/4) of a tank of fuel before beginning Repair Procedure.

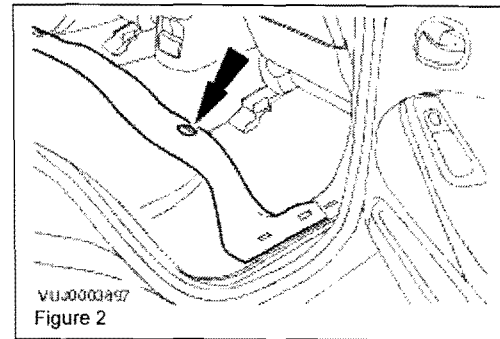
1. Ensure fuel level is less than three-quarters (¾) of a tank.

△ NOTE: Global Technical Reference (GTR) lookup sequence is as follows:
GTR Home > NAS > X250 - XF > Service Information > 2010 > Workshop Manual

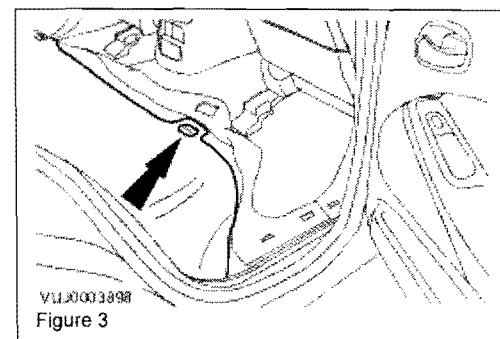
2. Refer to Workshop Manual (GTR) section 310-00 and depressurize the fuel system.
3. Refer to Workshop Manual (GTR) section 414-01 and disconnect the negative battery cable.
4. Refer to Workshop Manual (GTR) section 501-10 and remove the rear seat cushion.
5. Remove the right-rear door scuff plate trim panel. (Figure 1)



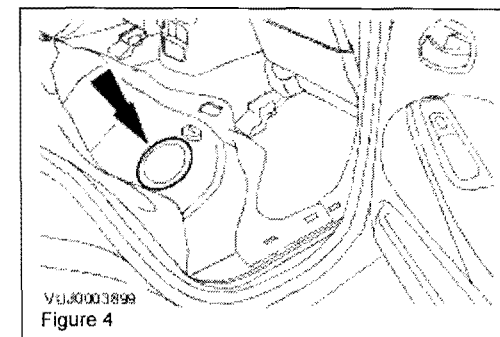
6. Detach and reposition the floor covering. (Figure 2)



7. Detach and reposition the rear seat cushion insulation. (Figure 3)



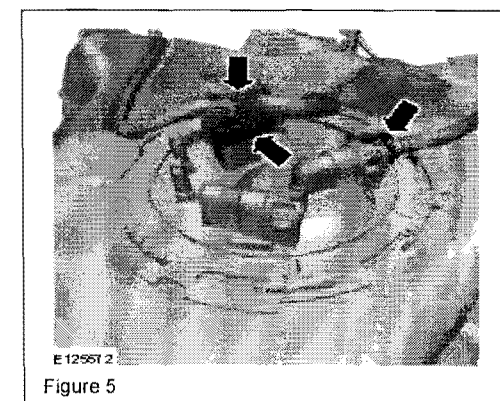
8. Remove the floor aperture cover. (Figure 4)



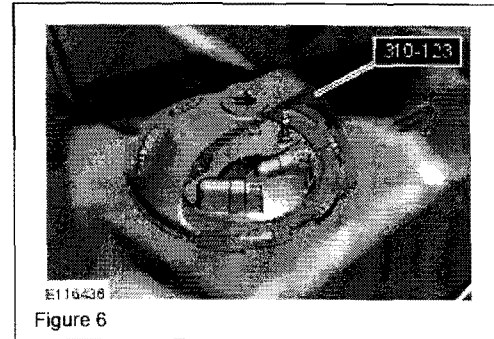
9. Disconnect the fuel pump module electrical connector. (Figure 5)
10. Detach the fuel pump module wiring harness from the retaining bracket. (Figure 5)
11. Disconnect the fuel pump module quick release coupling. (Figure 5)

⚠ WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.

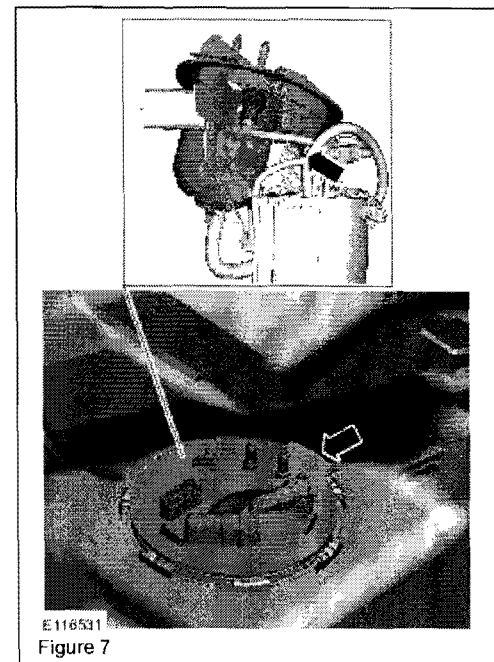
12. Raise and support the right-hand (RH) side of the vehicle to enable the transfer of fuel to the left-hand (LH) side of the tank; this will expose the fuel transfer pipe connection in the module.



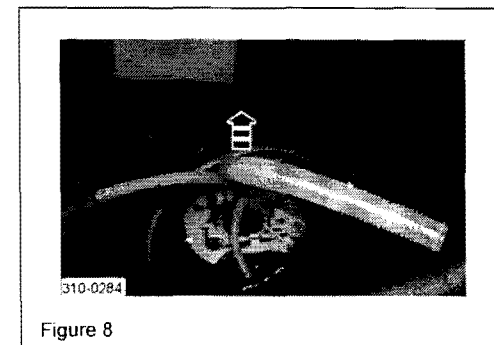
13. Using special tool 310-123, remove the fuel pump module locking ring. (Figure 6)
14. Remove and discard flange O-ring seal.



15. Disconnect the fuel transfer module transfer feed tube. (Figure 7)



16. Reposition the fuel transfer module transfer feed tube; cut away and discard 150mm (6 in) from the disconnected end of the tube. (Figure 8).



17. Insert the fuel transfer module transfer feed tube into the triangular-shaped hole in the swirl pot. (Figure 9)



CAUTION: Ensure the arrow on the fuel transfer module and the 'NA' marker on the fuel tank are aligned.

18. Secure the fuel pump module:
 - Press down and rotate the base of the fuel pump module clockwise. (Figure 10)
19. Install new flange O-ring seal (C2Z 7361).



CAUTION: When tightening the fuel pump module lock ring, an audible 'click' may be heard when the lock ring is fully seated in its stop.

20. Use special tool 310-123 to install the fuel pump module lock ring:
 - An audible 'click' may be heard when the lock ring is fully seated in its stop. The torque necessary to fully seat the lock ring may be as high as **250 Nm (185 lbf ft)**.
21. Lower vehicle.
22. Connect the fuel pump module quick release coupling:
 - Ensure the quick release coupling has latched onto the fuel pump module by pulling the tube after the connection has been made. (Figure 11)
23. Attach the fuel pump module wiring harness to the retaining bracket. (Figure 11)
24. Connect the fuel pump module electrical connector. (Figure 11)
25. Install the floor aperture cover.
26. Attach the rear seat cushion insulation.
27. Attach the floor covering.
28. Install the right-rear door scuff plate trim panel.
29. Refer to Workshop Manual (GTR) section 501-10 and install the rear seat cushion.
30. Refer to Workshop Manual (GTR) section 414-01 and connect the negative battery cable.
31. Ensure no fuel leakage.
32. Connect the Midtronics PSC-550 Vehicle Power Supply to the vehicle battery, connect the IDS to the vehicle, and clear Diagnostic Trouble Codes (DTC).



Figure 9

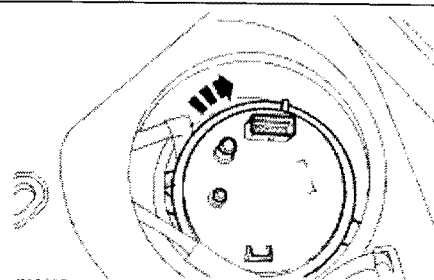


Figure 10

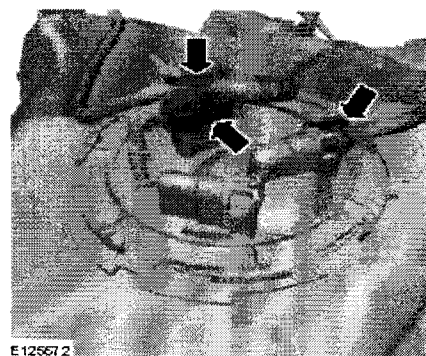


Figure 11