

TECHNICAL BULLETIN  
LTB00148NAS1  
11 AUG 2015



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

**SECTION: 310-00**

Accidentally Filling the Fuel Tank with Gasoline Instead of Diesel

**AFFECTED VEHICLE RANGE:**

**Range Rover Sport (LW)**

**Model Year:** 2016 Onwards  
**VIN:** 617562 Onwards  
**Manufacturing Plant:** Solihull  
**Fuel type:** Diesel

**Range Rover (LG)**

**Model Year:** 2016 Onwards  
**VIN:** 216967 Onwards  
**Manufacturing Plant:** Solihull  
**Fuel type:** Diesel

**Range Rover Sport (LW)**

**Model Year:** 2016 Onwards  
**VIN:** 519971 Onwards  
**Manufacturing Plant:** Solihull  
**Fuel type:** Diesel

**MARKETS:**

NAS

**CONDITION SUMMARY:**

**Situation:** Repair procedure following customer incorrectly fueling a diesel engine vehicle with gasoline.

**Cause:** This may be caused by customer error/mistake.

 **NOTE: the customer MUST be informed prior to vehicle hand-over of the consequences of adding gasoline to the fuel tank instead of diesel.**

 **NOTE: if the customer refuses the advised repair or wants a lower level repair than advised, the vehicle must be added to the Restricted Warranty Register.**

**Action:** The Service Instruction below describes the four possible scenarios of a customer incorrectly fueling a diesel engine vehicle with gasoline. When customers report a mis-fuel, allow them to fully explain exactly what took place before advising the necessary repair. Refer to Service Bulletin SGI15-22 for further information.

**SERVICE INFORMATION:**

 **NOTE: the cost of this repair work is not the responsibility of Jaguar Land Rover. In the event the customer does not have all of the appropriate work carried out, Warranty may be refused on all affected components.**



**NOTE: the routines listed below are for guidance only and TOPIx must be referred to for all detailed procedures and replacement of parts.**

**1. The vehicle has been incorrectly fueled and the ignition switch has NOT been switched to the 'ON' position.**

1. Referring to the relevant section in the workshop manual, drain the fuel tank.
2. Remove the fuel tank assembly.
3. Remove the primary pump/sender module and in- tank transfer pipe and invert the pump/sender module to drain excess fuel.
4. Remove all traces of residual fuel within the tank using clean absorbent cloth/paper.
5. Flush the pump/sender module and in tank transfer pipe with clean diesel.
6. Reassemble the pump/sender module and in tank transfer pipe to fuel tank and install to vehicle.
7. Fully fill the fuel tank with clean diesel.
8. Road test the vehicle for at least 10 miles/16Km.
9. Return vehicle to customer.

**2. The vehicle has been incorrectly fueled and the ignition switch has been switched to the 'ON' position.**

1. Referring to the relevant section in the workshop manual, drain the fuel tank.
2. Remove fuel pump module and fuel level sensor.
3. Remove all traces of residual fuel within the tank using clean absorbent cloth/paper.
4. Invert the fuel pump module and fuel level sensor to remove all traces of residual fuel.
5. Remove fuel filter and discard.
6. Disconnect fuel feed to high-pressure pump.
7. Flush all fuel lines with clean diesel.
8. Reassemble fuel pump module and fuel level sensor to the fuel tank.
9. Install new fuel filter.
10. The fuel tank must be filled with fresh diesel fuel.
11. Road test vehicle for at least 10 miles/16Km, checking for normal engine operation and no stored fault codes.
12. Return vehicle to customer.

**3. The vehicle has run for less than two minutes.**

1. Referring to the relevant section in the workshop manual, drain the fuel tank.
2. The residual fuel from all parts removed needs to be checked for metal particles using a magnet.
3. Remove fuel pump module and fuel level sensor.
4. Remove all traces of residual fuel within the tank using clean absorbent cloth/paper.
5. Invert the fuel pump module and fuel level sensor to remove all traces of residual fuel.
6. Remove fuel filter and discard.
7. Disconnect fuel feed to high-pressure pump.

8. Flush all fuel lines with clean diesel.
9. If no metal particles are detected, carry on from step 11.
10. If metal particles are present, carry out procedure 4 from step 3 to step 8.
11. Reassemble fuel pump module and fuel level sensor to the fuel tank.
12. Install new fuel filter.
13. The fuel tank must be filled with fresh diesel fuel.
14. Road test vehicle for at least 10 miles/16Km, checking for normal engine operation and no stored fault codes.
15. Return vehicle to customer.

**4. Vehicle has been driven until it stops or over two minutes. The entire fuel system will need reworking as follows:**

1. Referring to the relevant section in the workshop manual, drain the fuel tank.
2. Clean and flush all low pressure pipes.
3. Replace the fuel filter.
4. Replace the high pressure fuel pump.
5. Replace all high pressure fuel pipes.
6. Replace the diverter pipe and both fuel rails.
7. Replace the fuel cooler (part of oil cooler/filter assembly in middle of the engine 'V').
8. Replace all fuel injectors.
9. Remove fuel pump module and fuel level sensor.
10. Remove all traces of residual fuel within the tank using clean absorbent cloth/paper.
11. Invert the fuel pump module and fuel level sensor to remove all traces of residual fuel.
12. Reassemble fuel pump module and fuel level sensor to the fuel tank.
13. The tank must be filled with fresh diesel fuel.
14. Road test the vehicle for at least 10 miles/16Km, checking for normal engine operation and that no stored diagnostic trouble codes are logged.
15. Return vehicle to customer.

Vehicle mis-fueling **will not** result in a formal Warranty restriction **if** the approved repair has been completed.

In order for Jaguar Land Rover to keep a record of all instances of gasoline being added to diesel derivative vehicles and where this Technical Bulletin has not been followed, Retailers must send an email detailing the VIN and Incident date to WARADMIN@JAGUARLANDROVER.COM to enable a restriction to be applied to the vehicle until the correct level of repair is completed.