

TECHNICAL BULLETIN
LTB00556
07 JUN 2013



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SECTION: 412-00

Fuel Fired Burning Heater (FFBH) Fuel Odour

AFFECTED VEHICLE RANGE:

Range Rover (LG)

Model Year: 2013 Onwards

Fuel type: Petrol

VIN: 100000 Onwards

MARKETS:

All Markets Except NAS

CONDITION SUMMARY:

Situation: Customer may report that they can smell fuel odour within the vehicle Interior.

Cause: The fuel inside the discharge pipe is evaporating due to the radiated heat from the engine, transmission, ambient temperature or a combination of these. As a result, the fuel "leaks" into the hot FFBH and evaporates. This results in fuel vapour exiting the FFBH from the air intake silencer under the hood. Depending on the sealing integrity of the body and secondary bulkhead, this can be drawn into the interior via the HEVAC fan. Discharge pipe is rerouted away from the engine. **Suggested Customer Concern Code - B95.**

Action: Should a customer express concern, follow the Service Instruction outlined below.

PARTS:

LR044704

Fuel Pipe

Quantity: 1

TOOLS:

No Tools Required

WARRANTY:


 **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 TOPIx to obtain the latest repair time.**

 **NOTE: DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.**

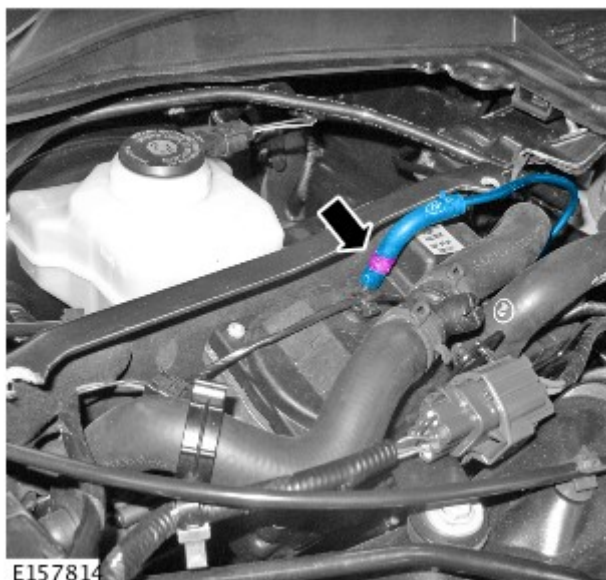
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Re-route FFBH fuel pipe	80.40.89.37	0.8	42	LR044704

 **NOTE: Normal Warranty policies and procedures apply.**

SERVICE INSTRUCTION:

1. Remove the front right road wheel (see TOPIx Workshop Manual, Section 204-04).
2. Remove the front right wheel arch liner (rear section) (see TOPIx Workshop Manual, Section 501-02).
3. Remove RH leaf screen end cover (see TOPIx Workshop Manual, Section 204-01).
4.  **CAUTION: A small amount of fuel may be lost during this process.**

Remove pressure pipe from FFBH fuel stub.

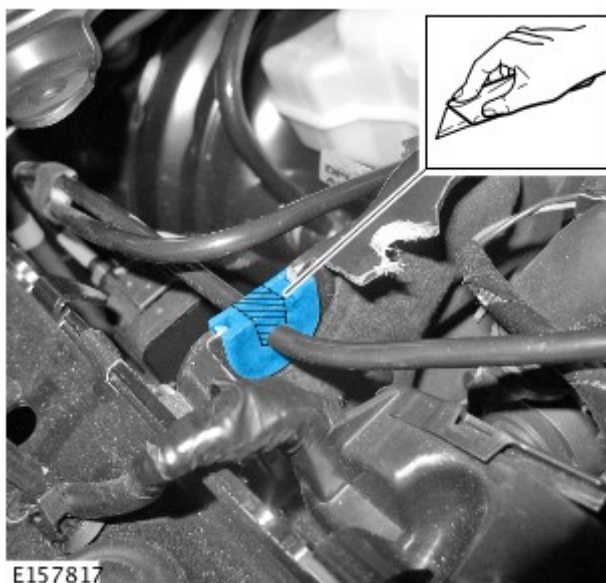


5.  **NOTE: Take care not to damage adjacent parts.**

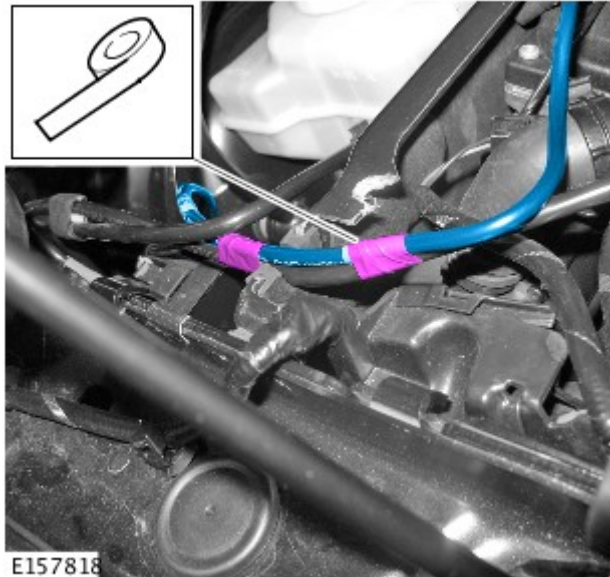
Access the fuel pipe cut and discard the fuel pipe as low down as possible.

6.  **NOTE: Take care not to damage adjacent parts.**

Locate air suspension grommet in secondary bulkhead and remove upper portion.

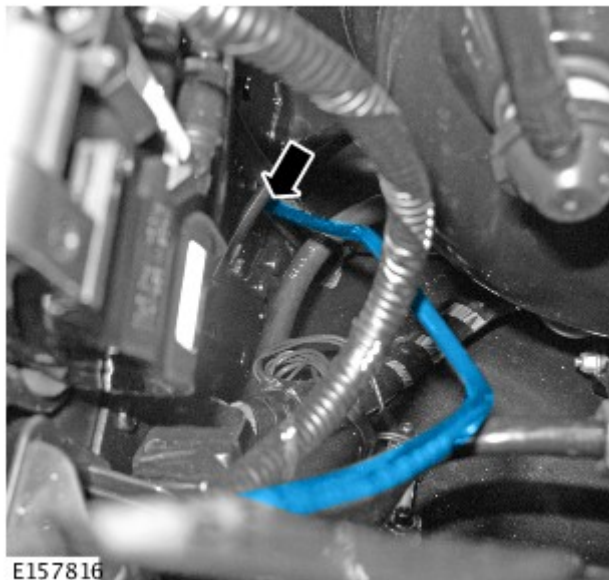


7. Secure new fuel pipe to FFBH fuel stub and route through air suspension grommet.

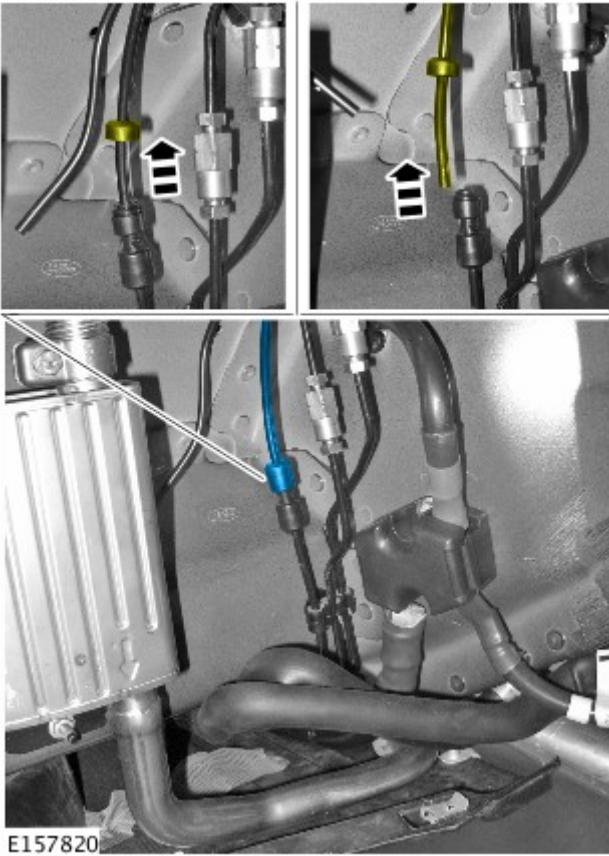



8.  **NOTE: Secure fuel pipe to adjacent components to avoid rattles.**

Pass fuel pipe through body drain hole into wheel arch area.



9. Re-locate drain hole foam sealing patch.
10. Remove original pressure pipe from the connector, cut and discard the fuel pipe.

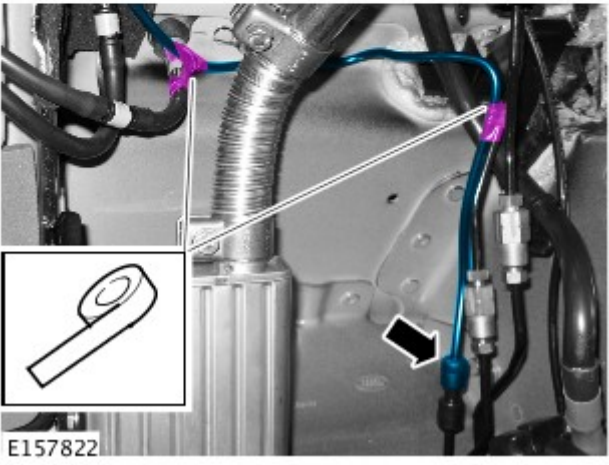
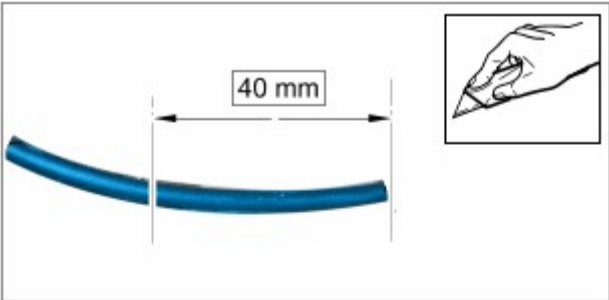


11.  **NOTE: Use a sharp knife to ensure a clean cut. Side cutters MUST not be used.**

 **NOTE: Make sure fuel pipe is kept well away from FFBH exhaust pipe and silencer assembly.**

Cut 40mm off of the new FFBH fuel pipe and insert into the connector.

- 1. Route new pipe to the connector and secure with tape.



12. Run FFBH activation test via SDD to ensure a good fuel joint and that the FFBH works correctly.

1. Diagnosis session type: Enter the following symptoms : Electrical - Climate control system - Auxiliary heating.
 2. From 'Recommendations', run: "Auxiliary heater - Auxiliary heater activation test".
- 13.** To install, reverse the removal procedure.