

TECHNICAL BULLETIN

LTB00461NAS2

20-DEC-12



ISSUE '2' CHANGES ARE HIGHLIGHTED IN GRAY

SECTION: 303

Engine MIL Illuminated with DTC P0126-26 / P0128-00 Stored

AFFECTED VEHICLE RANGE:

Range Rover (LM) 5.0L Naturally Aspirated only

VIN: AA304426-CA393632

Model Year: 2010-2012

CONDITION SUMMARY:

Situation: The engine Malfunction Indicator Lamp (MIL) may be illuminated and Diagnostic Trouble Code (DTC) P0126-26 / P0128-00 stored in the Engine Control Module (ECM).

Cause: This may be caused by the engine temperature sensor being misread due to an airlock in the engine cooling system

Action: In the event of a customer concern of the above, refer to the Repair Procedure outlined below.

PARTS:

CN100168L	Clips	Qty: 2
LR040874	Bypass hose kit	Qty: 1
LR044428	Coolant hose	Qty: 1

TOOLS:

IDS with latest IDS-DVD and Calibration File

Land Rover-approved Midtronics Vehicle Power Supply

Refer to Workshop Manual / Repair Procedure for any required special tools

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 DDW to obtain the latest repair time.

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
Coolant bypass - between expansion tank and heater pipes	26.30.89.82	0.30	42	LR011465
Read and clear DTCs	12.90.16	0.20	42	LR011465

Normal Warranty policies and procedures apply

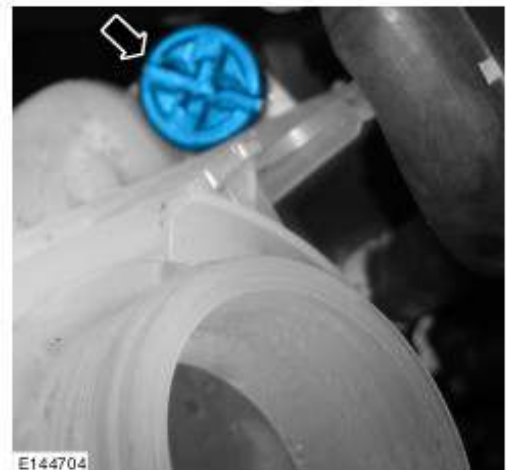
NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist 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.

REPAIR PROCEDURE

1. Check the coolant level and top up to the specified level if required.
2. Remove the coolant expansion tank cap.
3. Remove the high-level bleed screw as shown.



4.  **NOTE: The coolant level will rise in the coolant tank and drain the upper coolant pipes.**
Remove the coolant expansion tank bleed screw.



5. Remove the coolant elbow.
 - Disconnect and remove the quick fit elbow.
 - Release the securing clip.



6. Install the new coolant hose (LR04428) and hose from kit LR040874:

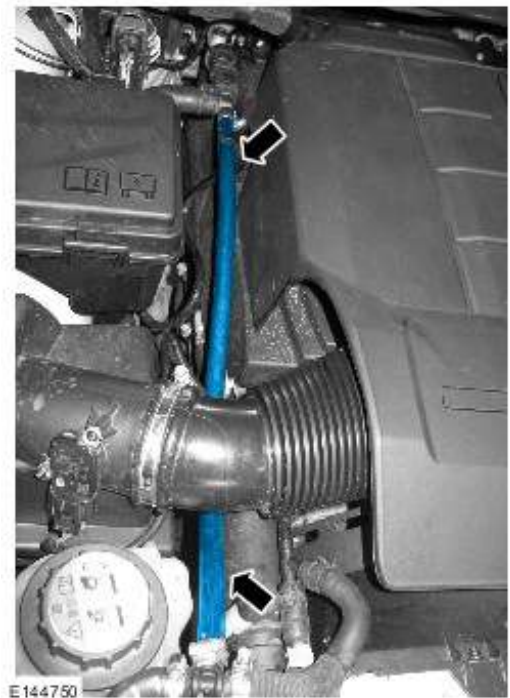
- Connect to the T-piece.
- Install the securing clip.



7. Secure the new hose to the fixing clip.



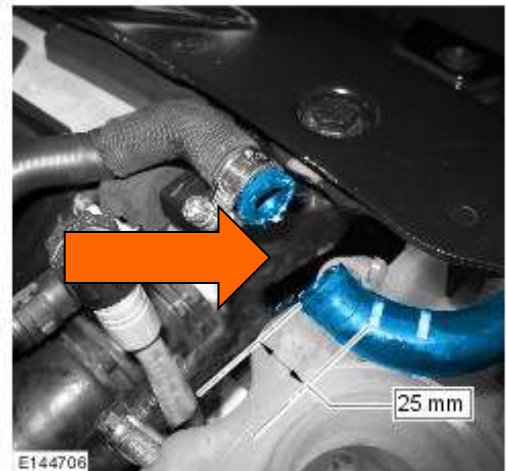
8. Run the new coolant hose under the air box intake pipe.



9.  **CAUTION:** Make sure no damage is caused to the vehicle when cutting the hose.

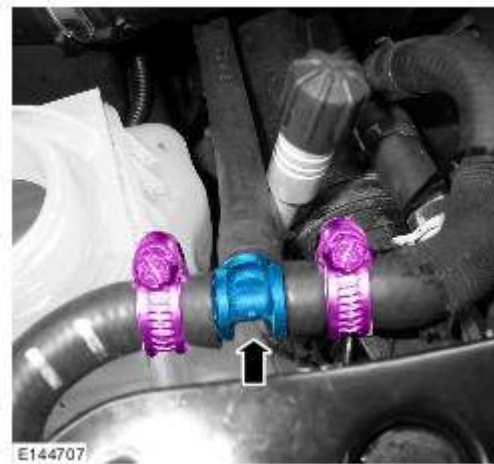
 **NOTE:** Hose shown already cut.

Using a suitable tool, cut the coolant hose 25mm / 1.0in from the second white line.



10. Install the new T-piece:

- Tighten / secure the two clamps.



11. Secure the cooling hose with a suitable cable tie.



12. Install the high-level and coolant expansion tank bleed screws and coolant expansion tank cap.
13. Start the engine and allow the cooling system to self-bleed.
14. Read and clear all Diagnostic Trouble Codes (DTC).