



LTB01156NAS2

TECHNICAL BULLETIN

08 AUG 2018

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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.

INFORMATION

This reissue replaces all previous versions. Please destroy all previous versions.

Changes are highlighted in blue

SECTION:

303-01: Engine

SUBJECT/CONCERN:

Engine MIL Illuminated With DTC P132B-77 Stored

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
LR4 (LA)	2014-2016	679426-847658	Solihull	V6 S/C 3.0L Petrol
Discovery (LR)	2017-2018	000055-048200	Solihull	V6 S/C 3.0L Petrol
Range Rover Sport (LW)	2014	001154-001205	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover Sport (LW)	2014-2015	300003-399999	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover Sport (LW)	2014-2016	500023-599999	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover Sport (LW)	2014-2018	600009-696100	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover Sport (LW)	2016-2018	100000-182200	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol
Range Rover (LG)	2014-2018	110440-380900	Solihull	V6 S/C 3.0L Petrol /V8 S/C 5.0L Petrol

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

The engine MIL (Malfunction Indicator Lamp) may be illuminated on the Instrument Cluster (IC) with DTC (Diagnostic Trouble Code) P132B-77 stored in the Powertrain Control Module (PCM).

CAUSE:

This may be caused by the supercharger bypass set screw being incorrectly adjusted.

ACTION:

Should a customer express this concern, follow the Workshop Procedure below.

PARTS:**△ NOTE:**

An allowance of \$6.25 USD or local equivalent has been provided to cover the cost of the locally sourced engine coolant and thread locking adhesive (such as Loctite® 243). Claim using Sundry Code 'ZZZ001'.

PART NUMBER	DESCRIPTION	QUANTITY
LR041680	Gasket - V6 3.0L S/C Petrol	1
LR011343	Gasket - V8 5.0L S/C Petrol	1

TOOLS:

Refer to Workshop Manual for any required special tools.

WARRANTY:**△ NOTE:**

An allowance of \$6.25 USD or local equivalent has been provided to cover the cost of the locally sourced engine coolant and thread locking adhesive (such as Loctite® 243). Claim using Sundry Code 'ZZZ001'.

△ NOTES:

- 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 JLR claims submission system to obtain the latest repair time.
- The JLR Claims Submission System 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
Supercharger bypass valve - Adjustment - LR4 (L319)	19.46.33	1.8	12	LR088996
Supercharger bypass valve - Adjustment - Discovery (L462)	19.46.33	1.6	12	LR088996
Supercharger bypass valve - Adjustment - Range Rover Sport (L494; V6 3.0L S/C Petrol)	19.46.33	1.8	12	LR088996
Supercharger bypass valve - Adjustment - Range Rover Sport (L494; V8 5.0L S/C Petrol)	19.46.33	2.3	12	LR088996
Supercharger bypass valve - Adjustment - Range Rover (L405)	19.46.33	2.2	12	LR088996

NOTE:

Normal Warranty procedures apply.

WORKSHOP PROCEDURE:

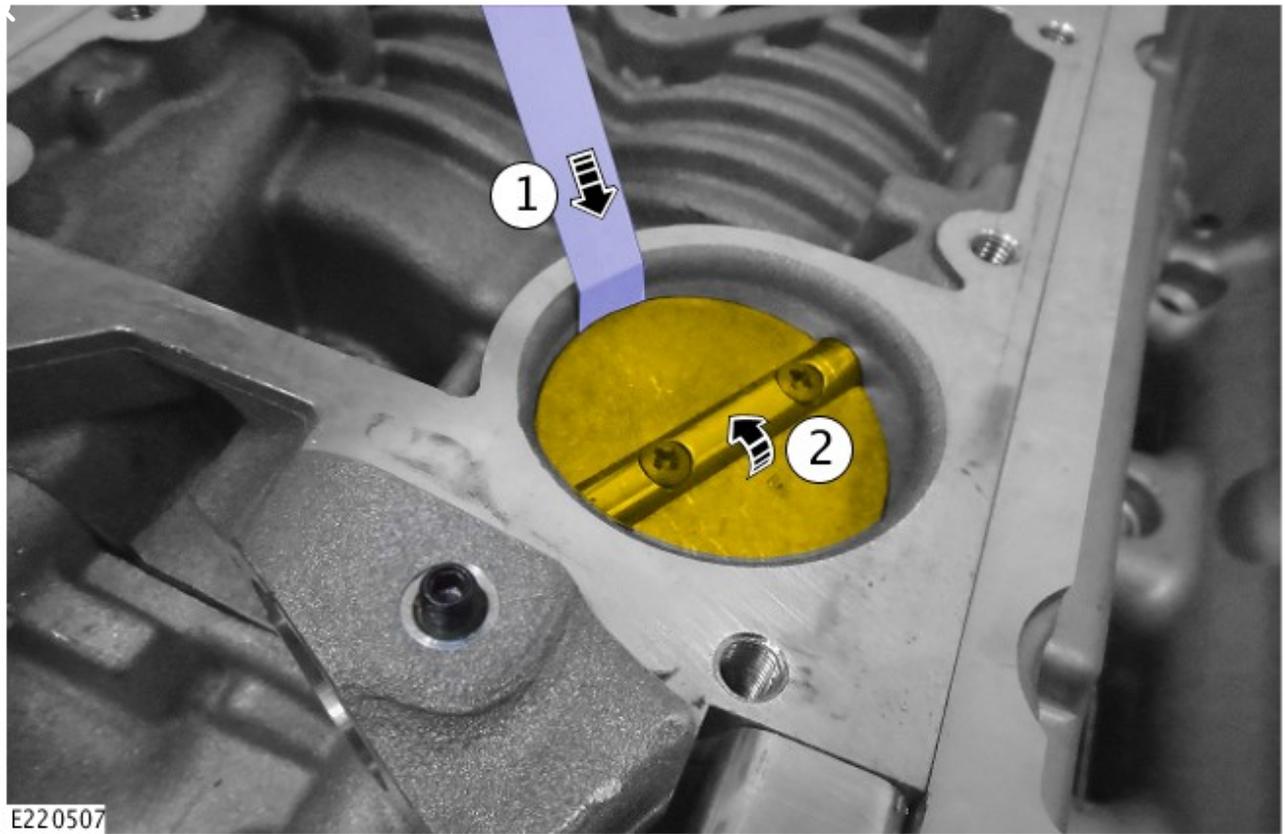
CAUTION:

This procedure should be completed on a cold engine.

NOTES:

- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.
- This procedure contains illustrations showing certain components removed to provide extra clarity.

- 1 Remove the charge air cooler (see TOPIx Workshop Manual section 303-12: Intake air distribution and filtering - Removal and installation - Charge air Cooler).



With the bypass valve in an open position, insert a feeler gauge **(1)** of 0.102 mm (0.004 in) into the valve body and close the valve **(2)**.

- If the bypass valve is **NOT** set to a gap of 0.102 mm (0.004 in), **go to Step 3**.
- If the bypass valve is set to a gap of 0.102 mm (0.004 in), **refer to TOPIx Workshop Manual section 303-14A-E [depending on model]: Electronic Engine Controls - Diagnosis and Testing and continue with diagnosis of DTC P132B-77 as a separate claim.**

3

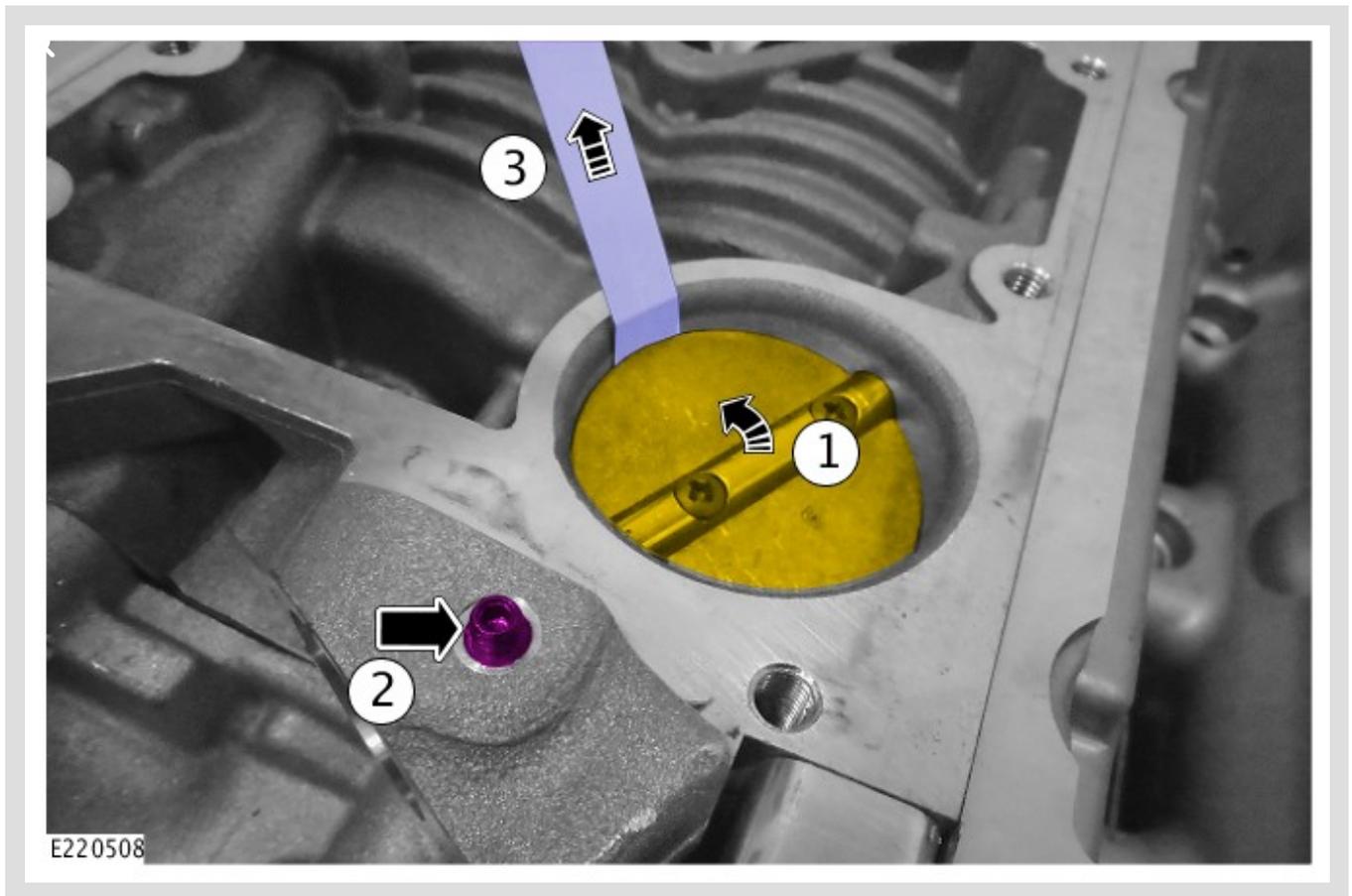


Remove the bypass valve set screw.

4

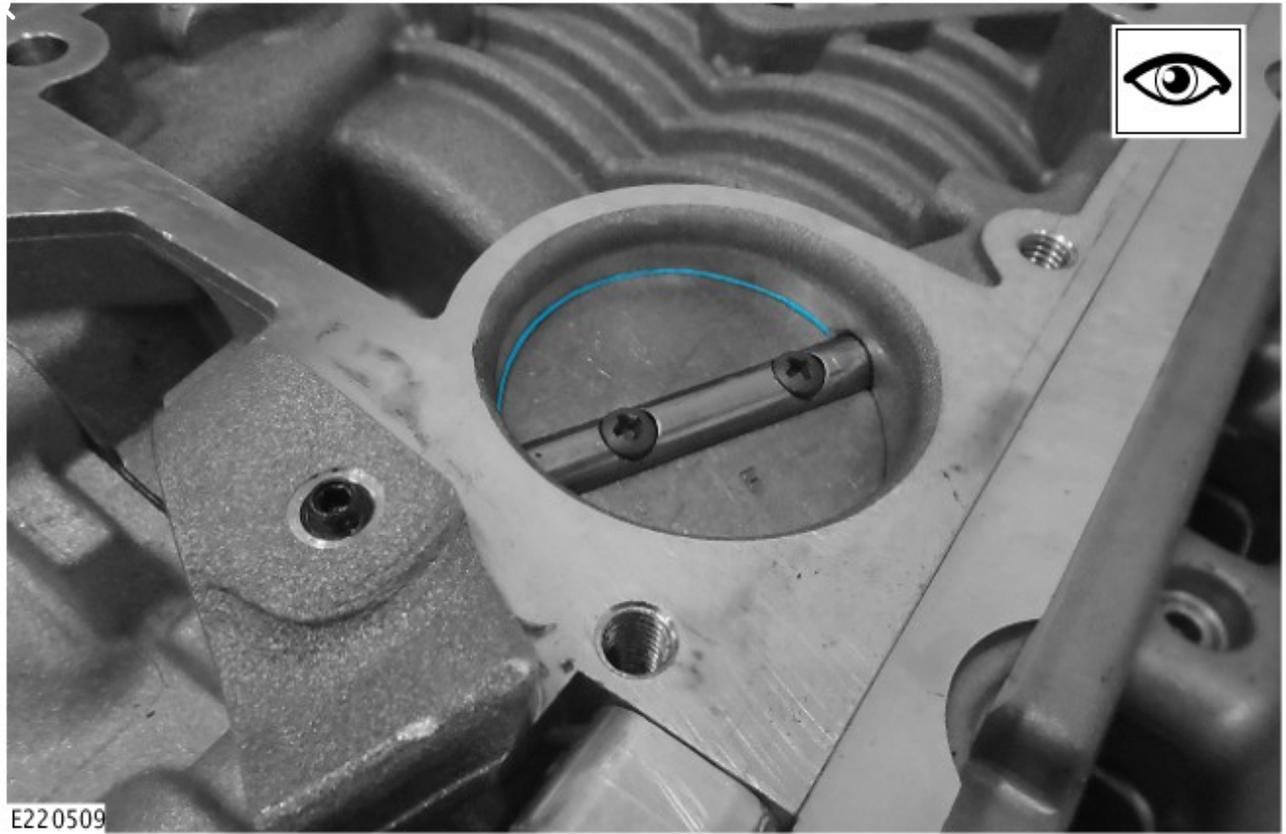
ⓘ CAUTION:

Apply only a small amount of a suitable thread locking adhesive to the set screw before installation.



Install the bypass valve set screw **(2)** and tighten until the point that the feeler gauge **(3)** can be removed.

5



The bypass valve should now be set to the required gap of 0.102 mm (0.004 in).

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- 6 Install the charge air cooler (see TOPlx Workshop Manual section 303-12: Intake air distribution and filtering - Removal and installation - Charge air Cooler).