

LTB00795NAS2

TECHNICAL BULLETIN

06 FEB 2017



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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

Changes are highlighted in blue

SECTION:

205-02

SUBJECT/CONCERN:

Active On-Demand Coupling Oil Pump Fault Diagnostic Trouble Code (DTC)
P1889-14 Stored

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
LR2 (LF)	2010-2014	171446-439912	Halewood	Vehicles With: Active On-Demand Coupling
Range Rover Evoque (LV)	2012-2015	600000-050449	Halewood	Vehicles With: Active On-Demand Coupling

MARKETS:

NAS

CONDITION SUMMARY:**SITUATION:**

A 'Two wheel drive only fault - traction reduced' message may be displayed on the Instrument Cluster. Upon diagnosis, Diagnostic Trouble Code (DTC) P1889-14 is found to be stored.

CAUSE:

This may be caused by insufficient spring load for commutator bar brushes in the Active On-Demand Coupling oil pump.

ACTION:

Should a customer express this concern, follow the appropriate Service Instructions below.

PARTS:**NOTE:**

Either Active On-Demand Coupling oil pump part number LR008958 or LR075763 may be used; Do not order both part numbers for an affected vehicle.

PART NUMBER	DESCRIPTION	QUANTITY:
LR008958	Active On-Demand Coupling oil pump	1
LR075763	Active On-Demand Coupling oil pump	1
LR001193	Driveshaft retaining bolts	6
LR002883	Driveshaft flange kit	1

TOOLS:



Jaguar Land Rover-approved Midtronics battery power supply



Jaguar Land Rover-approved diagnostic tool with latest SDD software, Calibration File, and InControl© Touch Pro™ Software

WARRANTY:

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 TOPIx 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
Read and clear the DTCs	12.90.16	0.2	42	LR008958
Active On-Demand Coupling oil pump - Renew	51.30.02	1.0	42	LR008958
Active on-demand control module update	51.90.02	0.2	42	LR008958

NOTE:

Normal Warranty procedures apply.

SERVICE INSTRUCTION 'A'

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CAUTIONS:

- **A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.**
- **Make sure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD148.01 v.257 (or later).

Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

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- 2 Turn ignition 'ON' (engine not running).
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- 3 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
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- 4 Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
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- 5 Read the Diagnostic Trouble Codes (DTC).
 - If DTC P1889-14 is stored, go to Step 6.
 - If DTC P1889-14 is NOT stored, do NOT carry out the Service Instructions below.
 - Disconnect the diagnostic tool and battery power supply from the vehicle.
 - Submit a Technical Assistance (TA) request and await further guidance.
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- 6 Disconnect the diagnostic tool and battery power supply from the vehicle.
 - If DTC P1889-14 was stored (Step 5), go to Service Instruction 'B'.

SERVICE INSTRUCTION 'B'

- 1 Replace the Active On-Demand Coupling oil pump (see TOPIx Workshop Manual section 205-02: Rear Drive Axle/Differential).

SERVICE INSTRUCTION 'C'

**LR2 (L359; 2010-2014MY) and Range Rover Evoque (L538; 2012-2013MY)
ONLY**

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CAUTIONS:

- **A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.**
- **Make sure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD148.01 v.257 (or later).

Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

NOTE:

Rear Differential Control Module (RDCM) DTC P1889-14 must be stored to complete this procedure.

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- 2 Turn ignition 'ON' (engine not running).
 - 3 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
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- 4 Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
- 5 Select **Diagnosis** from the Session Type screen.
- 6 Select the **Selected Symptoms** tab and then select:
 - **Electrical > Instruments > Information and message center > Message display area > Powertrain**
- 7 Select **continue**.
- 8 Select the **Recommendations** tab.
- 9 Select **Run** to perform the '**Configure existing module - Rear differential control module**' option.
- 10 Follow all on-screen instructions to complete this task, ensuring all Diagnostic Trouble Codes (DTC) are cleared.
- 11 When all tasks are complete, select the **Session** tab and then select the **Close Session** option.
- 12 Disconnect the diagnostic tool and battery power supply from the vehicle.

SERVICE INSTRUCTION 'D'

Range Rover Evoque (L538; 2014-2015MY) ONLY

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CAUTIONS:

- **A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during**

diagnosis / module programming.

- **Make sure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD148.01 v.257 (or later).

Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

NOTE:

All Wheel Drive Control Module (AWDCM) DTC P1889-14 must be stored to complete this procedure.

- 2 Turn ignition 'ON' (engine not running).
- 3 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
- 4 Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
- 5 Select **Diagnosis** from the Session Type screen.
- 6 Select the **Selected Symptoms** tab and then select:
 - **Electrical > Instruments > Information and message center > Message display area > Powertrain**
- 7 Select **continue**.
- 8 Select the **Recommendations** tab.

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- 9 Select **Run** to perform the '**Configure existing module - All wheel drive control module**' option.
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- 10 Follow all on-screen instructions to complete this task, ensuring all Diagnostic Trouble Codes (DTC) are cleared.
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- 11 When all tasks are complete, select the **Session** tab and then select the **Close Session** option.
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- 12 Disconnect the diagnostic tool and battery power supply from the vehicle.