



TECHNICAL BULLETIN

No: LTB00269
Issue: 2
Date: 12 APR 2010

CIRCULATE TO:

SERVICE
✓

PARTS
✓

WARRANTY
✓

BODY SHOP

ISSUE '2' CHANGES ARE HIGHLIGHTED IN GRAY

SECTION: 204

Air Suspension System - Compressor Delivery Valve and Drier Replacement; Software Update

AFFECTED VEHICLE RANGE:

LR3 (LA)

VIN: 5A000360 - 9A513325

Model Year: 2005- 2009

LR4 (LA)

VIN: AA513326 - AA524416

Model Year: 2010

Range Rover (LM)

VIN: 6A198058 - AA316152

Model Year: 2006 - 2010

Range Rover Sport (LS)

VIN: 6A900129 - 7A999999

7A100001 - AA229700

Model Year: 2006 - 2010

CONDITION SUMMARY:

Situation: The amber or red Suspension system warning indicator may illuminate and 'Suspension system inactive' may display in the message center or there may be a noticeable degradation of suspension system performance. Diagnostic Trouble Codes (DTC) C1A20-64, C1130-7A, C1131-92, C1A27-14, and/or C1A27-12 may also be stored in the Ride Level Control Module.

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

- Replace the compressor delivery valve;
- Replace the compressor drier; and
- Update the air suspension system control module software.

PARTS:

LR020590Compressor delivery valve kit Qty: 1

VUB504700.....Compressor drier Qty: 1

TOOLS:

IDS with latest DVD and Calibration Files; first available on IDS-DVD119_V8.03 Calibration 21

Land Rover-Approved Midtronics Vehicle Power Supply

Refer to Workshop Manual (GTR) 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.

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.



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Description	SRO	Time (hours)	Condition Code	Causal Part
Re-work air suspension compressor delivery valve and air drier Discovery 3/LR3 - 4/LR4 and Range Rover Sport	60.50.89.51	0.50	04	LR015303
Reconfigure Ride Level Control Module Discovery 3/LR3 - 4/LR4 and Range Rover Sport	60.90.16	0.20	04	LR015303
Re-work air suspension compressor delivery valve and air drier Range Rover	60.50.89.51	0.60	04	LR015089
Reconfigure Ride Level Control Module Range Rover	60.90.16	0.20	04	LR015089

Normal warranty policy and procedures apply.

REPAIR PROCEDURE

REPLACE COMPRESSOR DELIVERY VALVE AND AIR DRIER



NOTE: Global Technical Reference (GTR) lookup sequence is as follows:
GTR Home > NAS > Model > Service Information > Model Year > Workshop Manual

1. Refer to Workshop Manual (GTR) section 204-05, *Vehicle Dynamic Suspension*, and remove the air suspension system compressor drier.



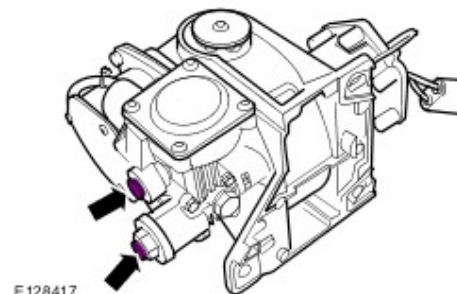
CAUTION: Plugs must be installed in the open connections to prevent contamination.



NOTE: All figures shown are LR3 / LR4 / Range Rover Sport; Range Rover similar.

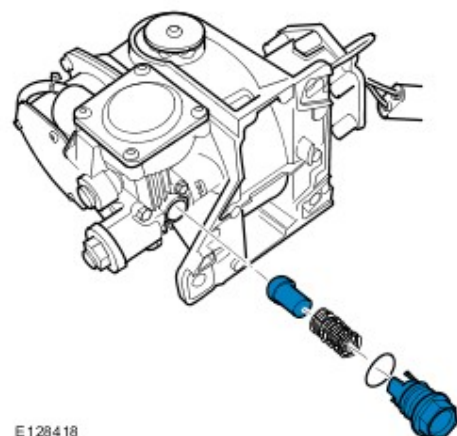
2. Install plugs in the inlet and outlet connections.
(Figure 1)

Figure 1



3. Remove the delivery valve-retaining plug. (Figure 2)

Figure 2





4. Remove and discard the return spring and delivery valve.
5. Install a new O-ring seal to the delivery valve-retaining plug.
6. Install the new spring and delivery valve into the compressor.
 - Tighten the delivery valve-retaining plug to **12Nm (8.8 lbf ft)**.
7. Remove plugs in the inlet and outlet connections.
8. Refer to Workshop Manual (GTR) section 204-05, *Vehicle Dynamic Suspension*, and install the new air suspension system compressor drier.

UPDATE THE RIDE LEVEL CONTROL MODULE SOFTWARE



CAUTION: Ensure all ignition 'ON' / ignition 'OFF' requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.



CAUTION: A Land Rover-approved Midtronics Vehicle Power Supply must be connected to the vehicle battery during IDS diagnosis / module programming.

1. Connect the Land Rover-approved Midtronics Vehicle Power Supply to the vehicle battery.
2. Turn ignition 'ON' (engine not running).
3. Verify air suspension system compressor is not running.
 - If the compressor is running, use the Integrated Diagnostic System (IDS) for Diagnostic Trouble Codes (DTC) and rectify as necessary.
 - If the compressor is not running, continue to step 4.



NOTE: IDS must be loaded with **IDS-DVD119_V8.03** or later *and* **Calibration File 21** or later.

4. Connect the IDS to the vehicle and begin a new Symptom Driven Diagnostics (SDD) session.
5. Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle.
6. From the Session Type selection screen, choose 'Diagnosis'.
7. Select the 'Selected Symptoms' tab, and then select:
 - Chassis > Suspension system > Vehicle dynamic suspension
8. Select 'continue'.
9. Select the 'Recommendations' tab.
10. From the Recommendations tab, select 'Run' to configure the 'Ride level control module'
 - Follow all on-screen instructions to complete this task.
11. Exit the current session.
12. Disconnect the IDS and the Midtronics Vehicle Power Supply from the vehicle.