



# TECHNICAL BULLETIN

No: LTB00077  
Issue: 2  
Date: 29 JULY 2009

CIRCULATE TO:

Service Mgr  
X

Warranty  
X

Workshop  
X

Body Shop

Parts

**ISSUE '2' CHANGES ARE HIGHLIGHTED WITH GRAY BACKGROUND**

**SECTION: 204**

## Suspension Will Not Lower - Repair Procedure

### AFFECTED VEHICLE RANGE:

Range Rover (LM)

VIN: 6A198057- 8A287013

Model Year: 2006 - 2008

### CONDITION SUMMARY:

**Situation:** A situation has been identified where corrosion or contamination may be blocking the air suspension compressor exhaust muffler causing the vehicle to not lower and possibly store Diagnostic Trouble Code (DTC) C1A13-64. A new dryer desiccant gives improved durability by keeping the system dry to prevent further corrosion. A new muffler with an additional hole will allow any residual corrosion debris to escape.

**Action:** Should a customer complain of the symptoms above, install a new air suspension compressor dryer kit and compressor exhaust muffler. Follow the repair procedure outlined below.

### PARTS:

RQV500040 .....	Air suspension compressor exhaust muffler	Qty: 1
VUB504700.....	Compressor dryer kit	Qty: 1
ESR2928 .....	Retainer clips	Qty: 2

### 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
Air suspension dryer and exhaust muffler – Replace	60.50.89/48	0.7	42	RQG500100

*Normal warranty policy 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

### MUFFLER REMOVAL



**NOTE:** Global Technical Reference (GTR) lookup sequence is as follows:

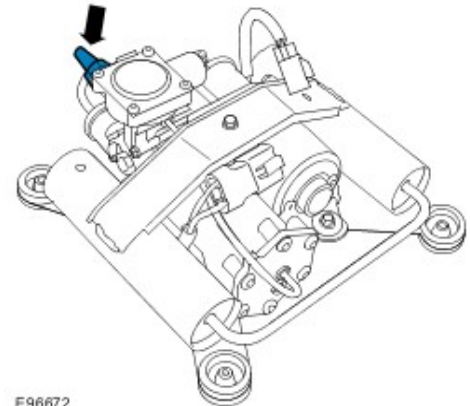
GTR Home > NAS > Service Information > Range Rover > Workshop Manual > Section 204-05: Vehicle Dynamic Suspension



**NOTE:** Do not carry out step 11 in section 60.50.10 (removal of the rubber mountings and the electrical harness clip), as this is for access only.

1. Remove the air suspension compressor.
2. If the muffler is the push-in type (VIN 6A198057 - 6A212982), perform the following:
  - Depress retaining clip and withdraw adaptor.
  - Unscrew the exhaust muffler from the adaptor. (Figure 1)
  - Discard the removed exhaust muffler.
3. If the muffler is the screw thread type (VIN 6A212983 - 8A287013), perform the following:
  - Unscrew the exhaust muffler from the compressor. (Figure 1)
  - Discard the removed exhaust muffler.

Figure 1



### MUFFLER INSTALLATION

1. If the muffler is the push-in type (VIN 6A198057 - 6A212982), perform the following:
  - Apply Loctite L243 locking compound (STC50552) to the threads of the new exhaust muffler.
  - Install the muffler into the original adaptor body.
  - Tighten to **2.5 Nm (22.1 lbf.in)**.
  - Clean the component mating faces.
  - Push fit adaptor and muffler into compressor exhaust port.
2. If the muffler is the screw thread type (VIN 6A212983 - 8A287013), perform the following:
  - Apply Loctite L243 locking compound (STC50552) to the threads of the new exhaust muffler.
  - Install the muffler into compressor exhaust port, and tighten to **2.5 Nm (22.1 lbf.in)**.

### COMPRESSOR DRYER REPLACEMENT



**NOTE:** Global Technical Reference (GTR) lookup sequence is as follows:

GTR Home > NAS > Service Information > Range Rover > Workshop Manual > Section 204-05: Vehicle Dynamic Suspension

1. Install a new air suspension compressor dryer.
2. Install the air suspension compressor.



## CHECKING / CLEARING DTCS



**CAUTION: A Midtronics PSC-550 Vehicle Power Supply must be connected to the vehicle battery during diagnosis and module configuration.**

1. Connect the Midtronics PSC-550 Vehicle Power Supply to the vehicle.
2. Connect IDS to the vehicle and begin a new diagnostic session by entering the correct VIN for the current vehicle.
3. Follow the IDS prompts to read the vehicle configuration.
4. When prompted 'Do you wish to read diagnostic trouble codes?' select 'YES' and then press 'tick' to continue.
5. Clear diagnostic trouble codes.
6. Follow all on-screen instructions to complete this task.
7. When the task is completed, exit the current session.
8. Disconnect IDS and the Midtronics PSC-550.