



Technical Service Bulletin No.LTB00015v2
25 January 2007

Reissue

Please replace the previous edition of this bulletin.

This bulletin supersedes TSB LTB00015/2006 dated 20 November, which should either be destroyed or clearly marked to show it is no longer valid (e.g. with a line across the page).

Subject/Concern: Air Suspension Not Level When Parked
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Models:		
Discovery 3 / LR3		VIN-range: 5A000259-6A419950
Range Rover Sport (LS)		VIN-range: 5A900109-Active Cornering Enhancement 6A990934 - Non Active Cornering Enhancement 6A999400

Markets: All except NAS **Section:** 204-05

Summary:

A customer may report a concern that the vehicle does not appear to be level when parked.

The air suspension ride height calibration is correct, there are no air suspension air leaks present and the tires are at the correct pressure.

Version 2 of this bulletin has been issued due to a change in the final VINs.

Cause: Under certain circumstances, the air suspension software will allow the vehicle to remain in a non-level condition after the occupants have exited the vehicle.

Action: A new software strategy allows the vehicle to level each time a door is closed. Should a customer express concern regarding the above, refer to the Service Procedure detailed in this bulletin to update the software.

Special Service Tools

Integrated Diagnostic System (IDS) with DVD 104 or later and patch file 1 installed (available on GTR). IDS

Labour Time:		
Operation Description	Operation No.	Time
Tune download - air suspension system	60.90.16	0.20 hours

Repair/Claim Coding:	
Causal Part:	RQT500160
ACES Condition Code:	C50
Defect Code:	

Service Procedure

NOTE: Ensure that the air suspension ride height calibration is correct, there are no air suspension air leaks present and the tires are at the correct pressure which could lead to the above complaint.

1. If IDS with DVD 104 is being used and has previously had patch file 1 installed, continue from step 4. For information on how to confirm that the patch file has been installed onto IDS, refer to the patch process help file detailed in step 2.
2. **NOTE:** The software patch installation help file provides instructions for the patch file installation process and could take up to six minutes to download dependent on connection speed.

Download the IDS software patch installation help file from GTR:

1 Logon to GTR.

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2 Select 'Home' from the menu at the top of the main page.

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3 From the menus on the left of the page, select 'Diagnostics' as the 'Information Type' and . select the relevant model and model year.

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4 From the 'All Information' results, select 'Patch Files'.

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5 Click the file link 'Patch Process Help File'.

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3. **NOTE:** This could take up to twenty minutes to download dependent on connection speed.

Using the above help file, follow the instructions to download and install the software patch file into IDS and ensure IDS successfully restarts.

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CAUTION: Ensure a suitable battery charger is connected to the vehicle battery during diagnosis/module configuration and that the battery is sufficiently charged.



CAUTION: Ensure that the diagnostic lead is correctly secured and cannot be accidentally disconnected during software update.

Connect the diagnostic equipment to the vehicle and begin an IDS session by entering the correct VIN for the current vehicle.

5. Note the current software levels of the air suspension control module:
 - 1 Follow the prompts to read the vehicle configuration.

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 - 2 When prompted "Do you wish to read diagnostic trouble codes?", select "NO" and then . press 'tick' to continue.

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 - 3 When the "Content Model" is displayed, select the 'Vehicle Configuration' tab.

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 - 4 Select 'Module Information'

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 - 5 Select 'Network integrity test'

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 - 6 Note the software part numbers displayed on the screen.

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6. **NOTE:** During module configuration, check the on-screen software part number information that IDS will display during this step and compare to the software part number noted in step 5 above. If the same tune level is displayed, the vehicle already has the desired software level and the tune download process can be aborted.

Configure the control module:

1. Return to the 'Vehicle Configuration' screen and select 'Module Configuration'
2. Follow the on-screen prompts.
3. Select 'Configure Existing Modules'. From the sub-menu, select 'Air Suspension Control . Module'

- 4 Check the tick-box to continue and follow the on-screen instructions.
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7 . Repeat step 5 to confirm the software level change.

8 . Exit the IDS session and disconnect the diagnostic equipment from the vehicle.