

# TECHNICAL BULLETIN

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26 JAN 2011

RANGE  
ROVER



CIRCULATE TO:

SERVICE  
✓

PARTS  
✓

WARRANTY  
✓

BODY SHOP

## SECTION: 206

### Revised Workshop Procedure: Parking Brake Shoe and Lining Adjustment

#### AFFECTED VEHICLE RANGE:

LR3 (LA)

VIN: 5A000360 - 9A513325

Model Year: 2005 - 2009

LR4 (LA)

VIN: AA510742 - Onwards

Model Year: 2010 - Onwards

Range Rover Sport (LS)

VIN: 6A900290 - 7A999999

7A100000 - Onwards

Model Year: 2006 - Onwards

#### CONDITION SUMMARY:



**NOTE:** Adjustment of the park brake shoes when carrying out a routine service schedule is not typically claimable through Warranty.

**Situation:** The Workshop Manual procedure for setting the parking brake shoe and lining adjustment has been revised. The new procedure has been simplified in order to make adjustment easier for a technician to perform and no longer requires the use of a torque wrench to measure torque to turn when setting the running clearance between the parking brake shoe lining material and the rear brake disc.

The setting of the park brake shoe lining to disc running clearance is critical to ensuring the correct function and durability of the park brake system. It is imperative that the revised procedure is correctly followed as the park brake system is very sensitive to incorrect adjustment that can lead to premature wear and/or damage to the electronic park brake module.

Land Rover requires that all technicians familiarize themselves with the revised procedure in TOPIx before conducting any adjustment using the new procedure.

**Action:** In the event it becomes necessary to set the parking brake shoe and lining adjustment, refer to the Repair Procedure outlined below.

#### PARTS:

No parts necessary

#### TOOLS:

IDS with latest IDS-DVD and Calibration File

Land Rover-Approved Midtronics Vehicle Power Supply

Refer to Workshop Manual for any required special tools

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.

## **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.

<i>DESCRIPTION</i>	<i>SRO</i>	<i>TIME (HOURS)</i>	<i>CONDITION CODE</i>	<i>CAUSAL PART</i>
Parking brake shoe and lining adjustment	70.40.11	0.60	-	-

*Normal Warranty policies and procedures apply.*

## **REPAIR PROCEDURE**

### **PARKING BRAKE SHOE AND LINING ADJUSTMENT**



**CAUTION:** This new procedure requires the use of the Land Rover-approved diagnostic tool to ensure that the vehicle is in 'mounting position' before any adjustment is conducted.



**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).



**NOTE:** IDS must be loaded with IDS-DVD124\_V6.01 or later *and* Calibration File 58 or later.

3. Connect the IDS to the vehicle and begin a new Symptom Driven Diagnostics (SDD) session.
4. Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle.
5. From the Session Type selection screen, select 'Service Functions'.
6. Select the 'Selected Symptoms' tab.
7. Select 'Chassis'
  - Select 'Continue'
8. Select the 'Recommendations' tab.
9. From the Recommendations tab, select and execute 'Parking Brake - Drive the parking brake to the mounting position'
  - Follow all on-screen instructions to complete this task.
10. Refer to Workshop Manual, section 206-05: Parking Brake and Actuation, and perform the adjustment procedure.
11. After the adjustments have been performed, return to the Recommendations list and execute 'Parking Brake - Drive the parking brake to the latching position'.
12. Exit the current session.
13. Turn ignition 'OFF'.
14. Disconnect the IDS and the Midtronics Vehicle Power Supply from the vehicle.