

Technical Bulletin

Land Rover Freelander 1 – Tailgate Window Regulator Calibration

Applicable References: ADJ131301

Applications: 1.8i, 2.0DT, 2.0DT - TD4, 2.5i - V6, 1996>2006, Chassis Ref: LN

Date Issued: 06/2014

When the tailgate window regulator is replaced, and/or after the vehicle battery has been disconnected, the tailgate window must be calibrated to provide the central control unit with a window position datum. When the battery is reconnected, the central control unit automatically begins the calibration process by energising the down contacts in the tailgate window lift relay until the window motor stalls, to ensure the window is fully down. The calibration procedure is completed as follows:

1. Ensure the tailgate is closed, the vehicle unlocked and the alarm disarmed.
2. On 3 door models, ensure the roof is on (hard top) or closed/ lowered and secured (soft top).
3. Disconnect the battery earth lead.
4. Allow at least 10 seconds to elapse before reconnecting the battery earth lead.

Note: The tailgate glass will automatically lower approximately 2 seconds after the battery has been connected.

5. Start the engine. Ensure that all electrical loads, i.e. lights, etc. are switched off. Increase the engine speed to 1500 rev/min for 10 seconds.
6. After 10 seconds and whilst maintaining the engine speed at 1500 rev/min, carry out the following:
 - Close the tailgate window fully to start the calibration procedure.
 - Fully open the tailgate window.
 - Fully close the tailgate window.
 - If the tailgate window remains closed, the calibration procedure is complete.
7. If the calibration procedure was unsuccessful, the central control unit will sound a warning for approximately 0.8 second and fully lower the window. Repeat the calibration procedure from step 1.
8. Allow the engine to idle and then switch off the engine.

Tailgate window calibration can fail for the following reasons:

- Window stops before minimum travel is achieved.
- Window does not achieve a stall.
- Window request removed before stall is achieved.
- Tailgate opened while driving window up.

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The tailgate window switch is located in the centre console near the handbrake.



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