



DA-ST512
(Body Systems Application)
User's Manual

Body Systems Application

This application allows the operator to perform calibration procedures on the vehicle's driver/passenger windows, sunroof (where fitted) or rear tailgate.

Body Systems Process

On starting the application the first menu displays three main options described below -

- Window calibration** - Calibrates driver / passenger windows after glass replacement.
- Sun roof calibration** - Calibrates the sun roof (if fitted) after repair or replacement.
- Roof blind** - Calibrates the roof blind (if fitted) after repair or replacement.
- RTG calibration** - Calibrates the electronically operated rear tailgate after repair.
- LTG calibration** - Calibrates the electronically operated lower tailgate after repair.
- Head lamp levelling** - Should be run after replacing any headlamp components.
- Soft-Lock end stops** - To be run after replacement of steering column, steering angle sensor or steering wheel.

Select one of the above options to perform the calibration procedure required. Further details of each option are given below.

Window calibration

After selecting this option the following sub-menu is displayed -

- Window driver side** - Start driver's side front and rear window calibration.
- Window passenger side** - Start passenger's side front and rear window calibration.

Note, for vehicles that have separate rear door modules an additional two options are shown -

- Window driver rear** - Start driver's side rear window calibration.
- Window passenger rear** - Start passenger's side rear window calibration.



All windows should be fully closed before commencement of this procedure.

This procedure will drive the window fully down to perform calibration after glass replacement.

Both front and rear windows will be driven down together, the rear will start moving 750ms before the front. Window pinch protection will be enabled when the windows are driven to the fully closed position.

Sun roof / Roof blind calibration



The sun roof / roof blind should be fully closed before commencement of this procedure.

This procedure remotely opens and closes the sun roof / roof blind to perform the calibration.

RTG / LTG calibration



Ensure the rear / lower tailgate is fully closed before commencement of this procedure.

This procedure will first clear the stored offset, then instruct the operator to open the rear/lower tailgate and ensure it's at the fully open position. Next the new offset will be stored then the rear/lower tailgate will be closed remotely by the tester.

Head lamp levelling



Ensure the headlamp system is fault free and the vehicle is stationary before commencement of this procedure.

This procedure will reset the head lamp height sensor calibration after repair or replacement.

Soft-Lock end stops

This procedure will reset the power steering soft-lock end stops. This is required after replacement of the steering column, steering angle sensor or steering wheel.

General Process



Please ensure the vehicle is in a safe working mode prior to exercising the following procedure. Do not pass cables through window openings as this application will open / close the windows, sunroof or rear tail gate remotely.

- The trigger is for the operator to switch on the vehicle ignition. If this is not currently on, then you will be asked to turn it on and to press '**OK**' when this has been done.
- On detecting the ignition state, the process starts to run and the message '**Please wait**' is displayed on the screen. The process will commence in approximately 10 seconds.
- Once the application has successfully completed and all instructions followed correctly a message "**PROCEDURE COMPLETE**" will be displayed. Pressing the '**OK**' button to return to the main application menu.

Note: If the process fails for whatever reason, a failure message will be displayed. At this time the process should be repeated ensuring that all conditions for the process have been met.

- To abort the procedure press the '**X**' button on the keypad at any time.

Body Systems Model Year Updates

The software associated with the Body Systems application is updated periodically to increase its coverage for new JLR vehicles and model year updates. You can check for these updates by connecting your device to a PC via the supplied USB cable, and launching the DA App Hub. This tool will connect to the Diagnostic Associates file server and check to see if a newer version of the Body Systems application is available to download.

Body Systems Supported JLR Vehicles

The following JLR vehicles and associated model years are supported by the Body Systems application at the time this user manual was produced. To obtain an up-to-date version of this table you should visit the Diagnostic Associates website.

Jaguar & Land Rover Vehicle Coverage									
Body Systems									
Vehicle / Model Year	MY06	MY07- MY09	MY10	MY11	MY12	MY13	MY14	MY15	MY16
Defender	-	-	-	-	-	-	-	-	-
Discovery/LR3/LR4	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Range Rover Sport	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Range Rover	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Freelander/LR2	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-
Evoque	-	-	-	-	Yes	Yes	Yes	Yes	Yes
Discovery Sport	-	-	-	-	-	-	-	Yes	Yes
XJ - New	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
XJ - Old	-	-	-	-	-	-	-	-	-
XK - New	-	-	-	-	-	-	-	-	-
XK - Old	-	-	-	-	-	-	-	-	-
XF	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
XE	-	-	-	-	-	-	-	-	Yes
F-Pace	-	-	-	-	-	-	-	-	Yes
F-Type	-	-	-	-	-	-	Yes	Yes	Yes
S-Type	-	-	-	-	-	-	-	-	-
X-Type	-	-	-	-	-	-	-	-	-
(Yes) - Covered for MY : (-) - N/A									