



DA-ST512
(Transfer Case Application)
User's Manual

Transfer Case Application

This application allows the operator to perform calibration, diagnostics and repair procedures on the vehicle's Transfer Case systems.

Transfer Case Process

On starting the application the menu displays four options

Motor Replacement

Solenoid Replacement

Absolute Position Sensor Replacement

Transfer Case Replacement

These operations are described below

Motor Replacement -

This option will perform Transfer Case calibration , will activate high and low ranges and clutches after component replacement.

Solenoid Replacement -

This option will allow replacement of the solenoid by setting the transfer case to correct states to enable component removal. It is essential that all instructions to unscrew and remove the component are followed exactly. Transfer Case calibration is then performed.

Absolute Position Sensor Replacement -

This option will perform Transfer Case calibration , will activate high and low ranges after component replacement.

Transfer Case Replacement -

This option will perform Transfer Case calibration , will activate high and low ranges and clutches after component replacement.



When running these applications ensure

- Vehicle is in Neutral
- Vehicle park brake must be applied
- Follow all instructions



Please ensure the vehicle is in a safe working mode prior to exercising the following procedure.

- 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 will perform a number of procedures. Each procedure is displayed first and pressing '**OK**' will perform it.
- 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.

Transfer Case Model Year Updates

The software associated with the Transfer Case application is updated periodically to increase its coverage for new JLR vehicles and model year updates. You can check for 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 application is available to download.

Transfer Case Supported JLR Vehicles

The following JLR vehicles and associated model years are supported by the Transfer Case 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								
Transfer Case								
Vehicle / Model Year	MY07-09	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	-	-	-	-	-	-	-	-
Evoque	-	-	-	-	-	-	-	-
Discovery Sport	-	-	-	-	-	-	-	-
XJ - New	-	-	-	-	-	-	-	-
XJ - Old	-	-	-	-	-	-	-	-
XK - New	-	-	-	-	-	-	-	-
XK - Old	-	-	-	-	-	-	-	-
XF/XE	-	-	-	-	-	-	-	-
F-Type	-	-	-	-	-	-	-	-
S-Type	-	-	-	-	-	-	-	-
X-Type	-	-	-	-	-	-	-	-
(Yes) - Covered for MY : (-) - N/A								