Diagnostics Release Note – DJL0D03

These Release Notes contain important information regarding Land Rover Diagnostic CD Releases. Please ensure that all users of Land Rover Diagnostic hardware at the location are made aware of the content.	**Release Date:** 8th April 2002

Applicable to:

T4	✓
T4 Hand Held Tester	✗
TESTBOOK 1	✓
TESTBOOK 2	✓
TESTBOOK 3	✓

NOTES: New Range Rover 02MY

This release is for the New Range Rover and contains personalisation features.

Please note that this CD only supports L322 vehicles from volume build.

WHAT'S ON THIS CD?

Diagnostic Tree

The chart attached shows the available options on TestBook disc DJL0D03 and which menus they appear under. It is meant to be a quick reference to aid finding a particular menu option.

LCS Configuration Guidance Notes

The Dealer Configuration icon has now been changed to 'LCS configuration'. The options within this menu are used to change the coding and configuration of the vehicle and as such should only to be used for ZCS reconstruction. Many users have found it misleading, as many of the functions within the menu do not appear to have any affect upon the vehicle operation. The functions within this menu are only to be used where the ZCS has been corrupted due to ECU failure or with prior instruction from the Land Rover Technical Help Desk.

Personalisation

As well as the large range of options and accessories available with New Range Rover, there is considerable scope for personalisation of the vehicle's electrical systems, so as to allow the customer to have certain systems tailored to their requirements. As an example of this, the option of single point entry can be enabled for all handsets or just for selected handsets.

Due to the huge range of personalisation options possible, and the need to ensure that the options offered are suitable for all markets, personalisation functions were not made available for inclusion on the initial TestBook / T4 CDs (V001 and V002).

A new 'Personalisation' menu item has now been included which, as the title suggests, allows the user to change vehicle personalisation options. A full list of the options included is attached for reference.

Also attached is a pro forma to enable sales staff to detail the Personalisation features the customer requires setting so that this can be easily passed on to the workshop technicians to Personalise the car to the customers wishes.

The first edition of the New Range Rover Owner's Handbook (LRL0448) lists a number of features as being personalisable. As a result of changes to the vehicle software, three of the options noted ('Lazy seats', 'Lazy Lock with Remote' and 'Starter key reminder') cannot be changed as described.

NOTE:
- The personalisation feature screens are created dynamically according to the vehicle under test. Options for features not fitted will not be displayed (e.g. a vehicle not fitted with DSP, will not have the 'Default speed dependant volume' feature displayed). Refer to the attached spreadsheet for further details.
- The actual personalisation is not performed as soon as an option is selected, but is performed at the end of the procedure
- The current personalisation options are stored in an area of memory in one of the vehicle's ECUs and are used by the personalisation software to show the current settings on the vehicle. When personalisation features are set, this data is updated to reflect the new condition. Before the vehicle has been personalised for the first time, the data may not be set correctly. If the vehicle has not been personalised before, ensure that **all** personalisation features are set as required before re-coding the vehicle. Failure to do this may result in unintended changes to other personalisable features.
- The handsets can be identified for "Key Number" by selecting the 'Identify Key' icon on the information screen and pressing the Unlock button.

Air Suspension Recalibration Guidance Notes

The Air Suspension recalibration procedure has been improved to be more user friendly and react in a more logical manner. To ensure that the vehicle is not calibrated incorrectly, follow the instructions on the screen, entering the MEASURED height when prompted. The issues on the previous discs have been fixed with this release.

Satellite Navigation Language Setting

To set the Language on the Satellite Navigation, the Navigation Computer needs to be 'unlocked'.

To do this, ensure that the ignition is in position II and then insert a valid map CD into the Navigation Computer for 10 – 15 seconds to remove the internal software lock. After the Navigation Computer has recognised the map disc, the language can be changed using TestBook. Under 'Vehicle Maintenance' select 'Navigation Language'. Follow the on screen instructions and select the two language options that are required.

NOTE: Male and Female versions of the SAME language CANNOT be selected. I.E. English Male and English Female cannot be selected.

Male and Female versions of DIFFERENT languages can be selected. I.E. French Male and Spanish Female is allowed.

EWS3 Immobilisation

Under the Vehicle Maintenance section on EWS3 there is now an option to disable and enable which keys will be allowed to start the car. This allows for example, a lost key to be disabled so that the car cannot be started. If the original key is later found then that key can then be enabled to allow normal operation.

PDI

The PDI section now contains the following:

- Market Programming
- Global Fault Code Read
- Setting/Removing Transportation Mode (Air Suspension)
- Setting/Removing Production Mode (Air Suspension)
- Changing Satellite Navigation Languages

KNOWN ISSUES WITH THIS RELEASE

The following section lists known issues with this release. These have been logged and will be fixed in a subsequent release.

Security	• Tailgate Lock force outputs does not function correctly it actually unlatches the upper/lower tailgate(s)
LCM	• Under certain conditions the LCM flags fault codes, which are not applicable to all derivatives. These are: * Dimmer pot open circuit * LH side marker defective * RH side marker defective The dimmer pot functionality can be confirmed by checking the brightness of the instrument pack illumination varies when the thumbwheel is rotated. Ignore the fault code if functionality is correct Side markers are only applicable on NAS specification cars only. Ignore the fault code if not a NAS car. • No Rear Fog Light force output • Rear Tail Light force output does not force all tail light bulbs on – only upper bulbs
MID	• Fault code "No Message Status Received from Telephone" is displayed. On a phone prep car there will be no phone fitted so this fault code will be flagged. Check car specification and ignore if phone is not fitted.
V8 Engine Management	• V8 Idle CO adjustment gets stuck in a loop • Purge Valve and VANOS self diagnostic tests do not work
TXU	• Reverse Gear is displayed as 'Unknown' under Real Time Display
ABS	• Brake Light Actuation test does not work and causes System Test to lock up
Steering Angle Sensor	• Real time display for steering angles returns erroneous values
IPack	• Ambient Temperature Real Time Display is different to the displayed value on the IPack • Engine Speed Real Time Display is shown as 0 rpm while engine is running

Personalisable feature	Options	Note	Default Setting	System
Wiper slowdown	Active / Inactive	Step down wiper speed at rest (e.g from slow wipe to intermittent) Only on Non Rain Sensor Cars	Active	BCU
Autolock repeat disable	Active / Inactive	Specifiy whether autolocking (speed locking) operates more than once per ignition cycle	Inactive	BCU
SPE Key 1	Active / Inactive	Specify whether key 1 has single point entry	Active US/Canada. Inactive RoW	BCU
SPE Key 2	Active / Inactive	Specify whether key 2 has single point entry	Active US/Canada. Inactive RoW	BCU
SPE Key 3	Active / Inactive	Specify whether key 3 has single point entry	Active US/Canada. Inactive RoW	BCU
SPE Key 4	Active / Inactive	Specify whether key 4 has single point entry	Active US/Canada. Inactive RoW	BCU
Autolock Key 1	Active / Inactive	Specify whether key 1 has autolocking (speed locking)	Inactive	BCU
Autolock Key 2	Active / Inactive	Specify whether key 2 has autolocking (speed locking)	Inactive	BCU
Autolock Key 3	Active / Inactive	Specify whether key 3 has autolocking (speed locking)	Inactive	BCU
Autolock Key 4	Active / Inactive	Specify whether key 4 has autolocking (speed locking)	Inactive	BCU
Lazy vent	Active / Inactive	Specify whether vehicle has global window / sunroof opening via key	Active	BCU
Lazy lock	Active / Inactive	Specify whether vehicle has global window / sunroof closing via key	Active	BCU
Lazy lock with remote	Active / Inactive	Specify whether vehicle has global window / sunroof opening via remote handset	Inactive : US / Canada / Australia Active : RoW	BCU
Auto 2 min relock	Active / Inactive	Specify whether vehicle automatically relocks after 2 mins of being unlocked and no doors opened	Inactive	BCU
Panic alarm	Active / Inactive	Specify whether panic alarm operates via remote handset tailgate unlock button	Inactive	BCU
Arrival time clock	12 hours / 24 hours		12hrs : RHD vehicles with MPH instrument pack, US, Canada, South Africa, Australia, Gulf, Japan 24hrs : RoW	Inst Pack
Distance units	km / miles		Depends on Instrument Pack	Inst Pack
Distance limit units	kmh / mph		Depends on Instrument Pack	Inst Pack
Speed units	kmh / mph		Depends on Instrument Pack	Inst Pack
BordComputer with ignition	Active / Inactive	Specify whether BordMonitor (MFD) operates when door opened or when key in ignition	Active	Inst Pack
Temperature units	Centigrade / fahrenheit		ºF : US and Canada ºC : ROW	Inst Pack
Time units	12 hours / 24 hours		12hrs : RHD vehicles with MPH instrument pack, US, Canada, South Africa, Australia, Gulf, Japan 24hrs : RoW	Inst Pack
Timer 2 units	12 hours / 24 hours		12hrs : RHD vehicles with MPH instrument pack, US, Canada, South Africa, Australia, Gulf, Japan 24hrs : RoW	Inst Pack
Timer 1 units	12 hours / 24 hours		12hrs : RHD vehicles with MPH instrument pack, US, Canada, South Africa, Australia, Gulf, Japan 24hrs : RoW	Inst Pack
Range units	km / miles		Depends on Instrument Pack	Inst Pack
Fuel cons units 2	l/100km / MPG - UK / MPG - US		km_l : Japan mpg_us : US mpg_uk : RHD vehicles with MPH instrument pack l_100km : RoW	Inst Pack
Fuel cons units 1	l/100km / MPG - UK / MPG - US		km_l : Japan mpg_us : US mpg_uk : RHD vehicles with MPH instrument pack l_100km : RoW	Inst Pack
Distance units	km / miles		Depends on Instrument Pack	Inst Pack
Ext temp warning gong	Active / Inactive	Specifies whether low ambient temperature (frost) warning sounds	Active	Inst Pack
Instrument pack language	German / UK English / US English / Italian / Spanish / Japanese / French / Canadian / Gulf		Depends on Market programmed	Inst Pack
Daytime Running Lights	Active / Inactive	Both this and the 'Dip Beam with daytime running lights' feature needs to be active for DRL operation	Active : Non-Canadian vehicles with daytime running Inactive : RoW (Including Canada)	LCM
Dip beam with daytime running lights	Active / Inactive	Both this and the 'daytime running lights' feature needs to be active for DRL operation	Active : Non-Canadian vehicles with daytime running Inactive : RoW (Including Canada)	LCM
Follow Me Home delay	None / 40s / 90s / 150s / 240s	Set timeout for any follow me home lights	Active : Non-Canadian vehicles with daytime running Inactive : RoW (Including Canada)	LCM
Follow Me Home with dipped beam	Active / Inactive	Specifies use of dipped beam for Follow Me Home feature	40 seconds	LCM
Follow Me Home with rear position lamps	Active / Inactive	Specifies use of rear position lamps for Follow Me Home feature	Active	LCM
Follow Me Home with front position lamps	Active / Inactive	Specifies use of front position lamps for Follow Me Home feature	Active	LCM
Follow Me Home with interior illumination	Active / Inactive	Specifies use of interior illumination for Follow Me Home feature	Active	LCM
Follow Me Home with Licence Plate lamps	Active / Inactive	Specifies use of licence plate lamps for Follow Me Home feature	Active	LCM
Follow Me Home with Front fog lights	Active / Inactive	Specifies use of front fog lights for Follow Me Home feature	Inactive	LCM
Follow Me Home with Main Beam	Active / Inactive	Specifies use of main beam for Follow Me Home feature	Inactive	LCM
Follow Me Home with Rear fog lights	Active / Inactive	Specifies use of rear fog lights for Follow Me Home feature	Inactive	LCM
Follow Me Home with Reverse lamps	Active / Inactive	Specifies use of reverse lamps for Follow Me Home feature	Inactive	LCM
Default speed dependant volume	Option 1 / 2 / 3 / 4 / 5 / 6	Specify automatic volume control (speed dependant) level (1 low, 6 high)	Option 2	DSP
Radio Key Memory	Enable / Disable	Specify whether radio presets are personaliased to remote handset (I.e. each handset has own presets)	Enable	Radio
RDC Number of Sensors	Four / Five	Specify whether spare tyre is full spare (has RDC sensor transmitter) or spacesaver (no RDC sensor transmitter)	4 : Vehicles with Space Saver 5 : Full Spare	TPMS
RDC Monitor Number	None / Four	Specify whether RDC operates on all four wheels or not	Four	TPMS
PDC Audible Warning	Active / Inactive	Specify whether audible warning sounds momentarily when PDC selected	Active	PDC
PDC Rear Volume	Option 1 / 2 / 3 / 4 / 5 / 6	Specify rear PDC sounder volume level (1 low, 6 high)	Option 3	PDC

Personalisation Checklist

NEW RANGE ROVER

Customer Name: _____

Salesman Name: _____

Delivery Date: _____

Model: _____

VIN: _____

Reg. No.: _____

	Active	Inactive
Wiper Slowdown	☐	☐
Autolock repeat disable	☐	☐
SPE Key 1	☐	☐
SPE Key 2	☐	☐
SPE Key 3	☐	☐
SPE Key 4	☐	☐
Autolock Key 1	☐	☐
Autolock Key 2	☐	☐
Autolock Key 3	☐	☐
Autolock Key 4	☐	☐
Lazy vent	☐	☐
Lazy lock	☐	☐
Lazy vent via remote	☐	☐
Auto 2 min relock	☐	☐
Panic Alarm	☐	☐
MFD with ignition	☐	☐
Ext. temp warning gong	☐	☐
PDC Audible Warning	☐	☐
Daytime Running Lights	☐	☐

Follow me home delay:

Tick required option

0s	☐
40s	☐
90s	☐
150s	☐
240s	☐

Follow me home with: *Tick required option(s)*

Dipped beam	☐
Rear position lamps	☐
Front position lamps	☐
Interior Illumination	☐
Licence Plate lamps	☐
Front Fog lights	☐
Rear Fog Lights	☐
Reverse Lamps	☐

	Enable	Disable
Radio Key Memory	☐	☐

Note:
*Options in **BOLD** denote Default setting(s)*

Speed Dependant Volume

Quieter   1 ☐   **2** ☐   3 ☐   4 ☐   5 ☐   6 ☐   *Louder*

PDC Rear Volume

Quieter   1 ☐   2 ☐   **3** ☐   4 ☐   5 ☐   6 ☐   *Louder*

Instrument Pack Language

German ☐	UK English ☐	US English ☐	Italian ☐	Spanish ☐
French ☐	Canadian ☐	Japanese ☐	Gulf ☐	

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                        DJL0D03Z
                   New Range Rover V003


   Vehicle Fault        System Diagnostics      Vehicle Configuration      Vehicle Maintenance
     Diagnosis


                  Power Distribution    Interior Lights      Reconfigure ECU's    System List      Pre Delivery      Immobilisation Learn
                                                                                                    Inspection


                  Immobilisation        Security             Display Configuration   VIN Validation    Navigation Language   Transport Mode


                  Wash Wipe             Instrument Pack      Market Programming    LCS Configuration    Pack Language


                  Exterior Lights       Airbag               EMS ECU Checks       CDF Part Names
                  Includes Bi-xenon


                  Engine Management     Automatic Gearbox                Personalisation
                  Petrol, Diesel        ZF, GM


                  Transfer Box          Air Suspension


                  ABS                   Windows & Sunroof
                  Includes DSC


                  Air Conditioning      Information Systems
                  Non-comfort,          Radio, DSP,
                  Comfort               Navigation, MID,
                                        Telephone


                  Power Steering        Parking Aid
                                        (if fitted)


                  Tyre Pressure         Seats and Mirrors
                  Control
                  (if fitted)


                        Fuel Burning Heater
                           (if fitted)
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