

**BRITPART**

---

---

**LYNX**   
*DIAGNOSTICS INTERFACE*

---

# Operating Instructions

# Contents

## **Getting started**

Introduction .....	1
Software CD .....	2
Hardware configuration .....	2
Configuring the PC .....	3
Using LYNX diagnostic interface .....	4
Using the Diagnostic Software .....	6

## **Britpart diagnostics**

Diagnostic interface .....	8
Reading and clearing fault codes .....	9
Reading live data .....	10
Actuator tests.....	14
Special functions .....	15
Troubleshooting.....	16
Cable identification .....	17
Product support .....	17

# Contents

## **Appendix A: Menus**

System Menu Structure .....	18
Menus - Diesel Engine .....	30
Menus - Petrol Engine .....	33
Menus - Transmission .....	40
Menus - Anti-lock Braking System (ABS) .....	44
Menus - Airbag .....	47
Menus - Climate control.....	49
Menus - Air Suspension .....	50
Menus - Chassis .....	53
Menus - Security.....	55
Menus - Steering Angle Sensor (SAS) .....	63
Menus - Service Reset .....	64
Menus - Electronic Parking Brake (EPB).....	65
Menus - Fuel-Burning Heater .....	66
Menus - Global DTC Clear .....	67

## Introduction

Congratulations on choosing the LYNX Diagnostics Interface. LYNX diagnostics enables information to be extracted from various vehicle control modules when connected via the vehicle's diagnostic connector.

## Registration

A new LYNX Diagnostics Interface requires a security code to unlock the specific model(s). To register the LYNX Diagnostics Interface and to obtain your activation code, complete the activation form and Fax to +44 (0) 844 665 7605 or email [lynx.reg@omitec.com](mailto:lynx.reg@omitec.com). You will require your serial number (located on the back of the unit) and product key (located on the back of the unit) and/or the number on the unlock card.

After obtaining your security code, follow the procedure in the information sheet returned with the code to unlock LYNX Diagnostics Interface using the Tool Updates tab on the PC application.

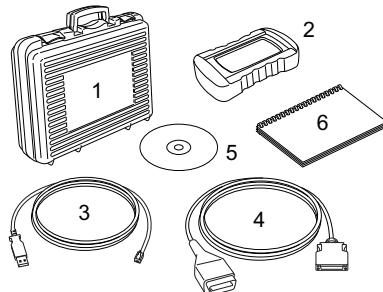
*Note: If problems are encountered during the registration process, please contact product support [lynx.support@omitec.com](mailto:lynx.support@omitec.com).*

## Product requirements

Certain requirements must be met prior to installing and using your new LYNX Diagnostics Interface software. Please ensure you have the following before proceeding;

1. A Microsoft Windows based PC with:
  - Microsoft Windows XP, Vista or Windows 7 operating system;
  - DVD drive;
  - 500 MB available hard disk space (minimum);
  - 1024 x 768 screen resolution (minimum).
2. Administrative Rights (only required for software installation).

## Overview



The LYNX diagnostic interface kit includes:

1. Carry case with foam insert (only LYNX Pro)
2. LYNX Diagnostics Interface
3. USB cable
4. J1962 EOBD cable (DA6430/2)
5. LYNX Diagnostics Interface CD
6. Quick Start Guide

# Getting started

---

## Software CD

### LYNX diagnostics interface installation

1. Insert the LYNX Diagnostics Interface CD into the drive.
2. The CD should auto-run and begin the installation. If it does not, navigate to the CD using 'Windows Explorer' and double-press 'Setup' to begin the installation manually.
3. Follow the on-screen instructions to install the application. Accept all options provided to achieve the default installation.

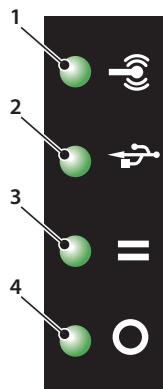
## Hardware configuration

### LYNX diagnostics interface

The LYNX Diagnostics Interface unit acts as an interface between the vehicle being tested and the software installed on the PC.

Externally, the LYNX Diagnostics Interface has a number of connectors and LEDs. It is operated from the PC screen.

LEDs alert the user to the unit's operational status.



1. Currently without function
2. USB connection
3. Vehicle communication status
4. Power

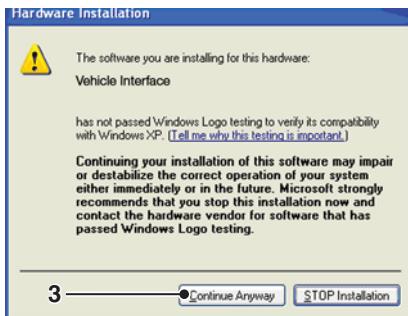
## Configuring the PC

The PC must be set up to recognise the LYNX diagnostics interface. The LYNX diagnostics interface must be connected via USB to install the drivers.

### USB connection

Follow the procedure below to connect the PC to the LYNX diagnostics interface.

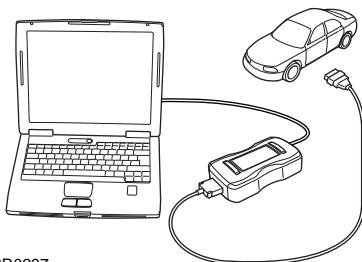
1. Connect one end of the cable to the LYNX diagnostics interface
2. Connect the other end of the cable to a spare USB port on the PC.



- CR0236
3. The drivers will install automatically. Press 'Continue Anyway' when prompted. The operating system will display a notification when the process is complete.

## Connecting to a vehicle

*Note: If the vehicle does not have a J1962 socket, the appropriate manufacturer diagnostic adapter cable will be required. See 'Cable identification', page 17.*



CR0237

1. Connect the EOBD cable (DA6430/2) to the LYNX Diagnostics Interface.
2. Connect the appropriate manufacturer diagnostic cable to the EOBD cable, if necessary.
3. Connect the diagnostic cable to the vehicle's diagnostic socket.
4. Connect the LYNX Diagnostics Interface to a USB port on the PC.
5. Select the LYNX Diagnostics Interface icon from the desktop.

# Getting started

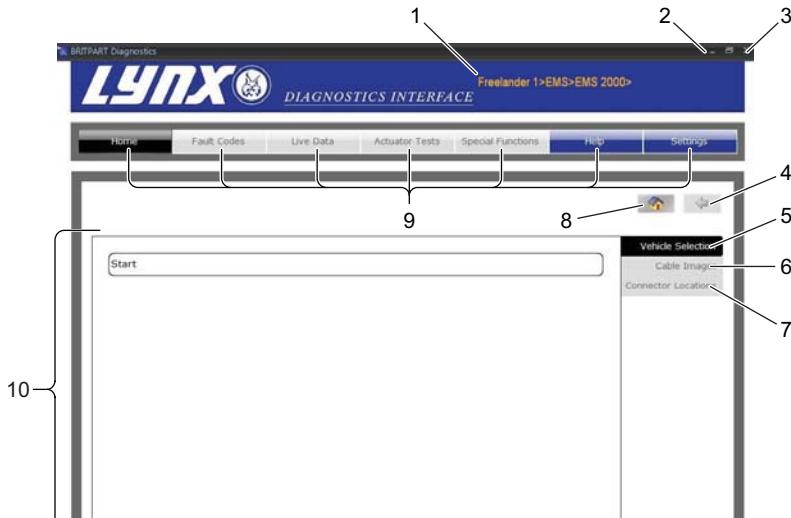
## Using LYNX diagnostic interface

The screens have a number of icons and buttons which control the diagnostic functions.

This guide explains the common controls and information screens.

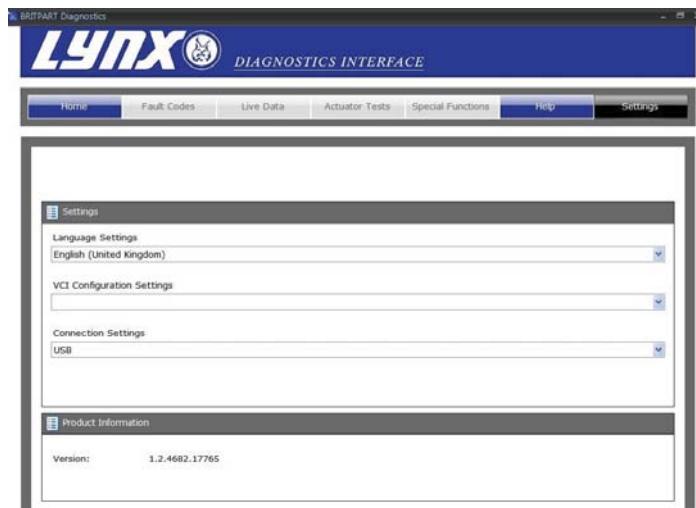
In the graphic below, the “Home” tab is selected and is highlighted in Black, the Home Page is displayed.

*NOTE: All Tabs, Buttons and Icons are highlighted when available.*



1. Vehicle tracking bar
2. Minimise screen
3. Shutdown
4. Go up one menu level
5. Vehicle selection tab
6. Cable identification
7. Diagnostic socket location
8. Home
9. Tabs
10. Vehicle selection field

## Settings



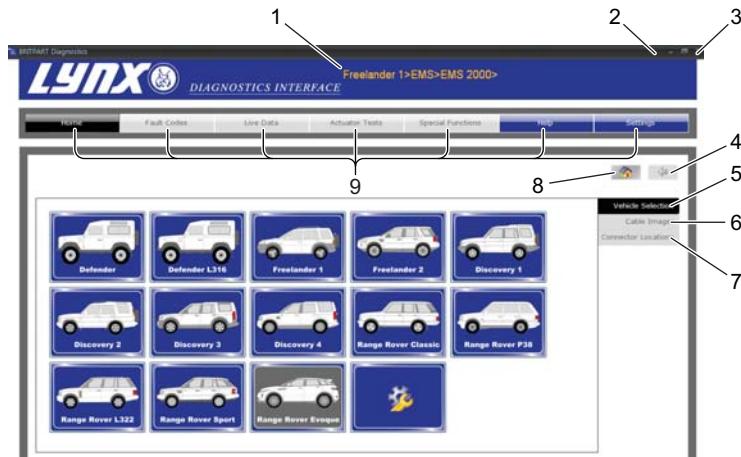
### ***Language settings***

The desired software language can be selected from the 'Settings' screen. When language settings are changed, the LYNX Diagnostics Interface may begin an update process upon communication with a vehicle. This is necessary to complete the language change and may take up to thirty minutes to complete.

# Getting started

## Using the Diagnostic Software

### Selecting a Vehicle for Testing



1. Vehicle tracking bar
2. Minimise screen
3. Shutdown
4. Go up one menu level
5. Vehicle selection
6. Cable identification
7. Diagnostic socket location
8. Home
9. Tabs

Press the 'Home' button on the 'Home' screen to show the 'Start' screen. Press the 'Start' option and the 'Vehicle Model' screen will be shown.

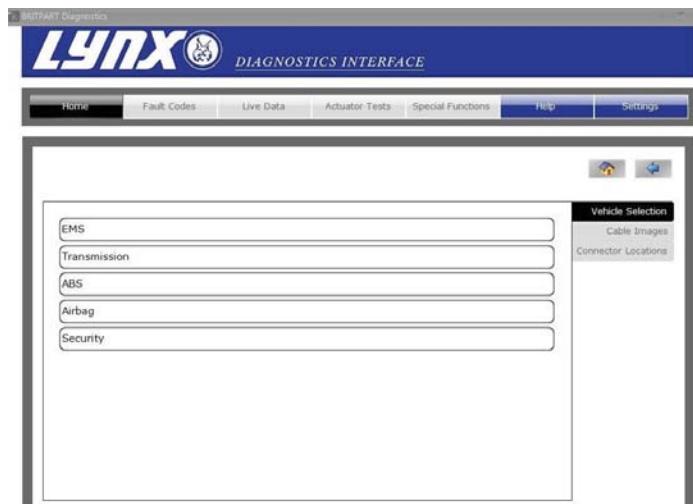
From the 'Vehicle Model' screen, select the relevant model and then the system for diagnosis. These options appear over a number of consecutive screens.

Press the 'Go Up One Menu Level' button to return to the previous screen.

Diagnostic cables can be viewed by pressing the 'Cable Identification' button. Press the 'Diagnostic Connector Locations' to view location drawings for the vehicle's diagnostic connector.

*Note: All tabs, buttons and icons are highlighted when available for use.*

### Selecting a Vehicle System for Testing



Once a vehicle has been selected, the screens will show the systems available for testing.

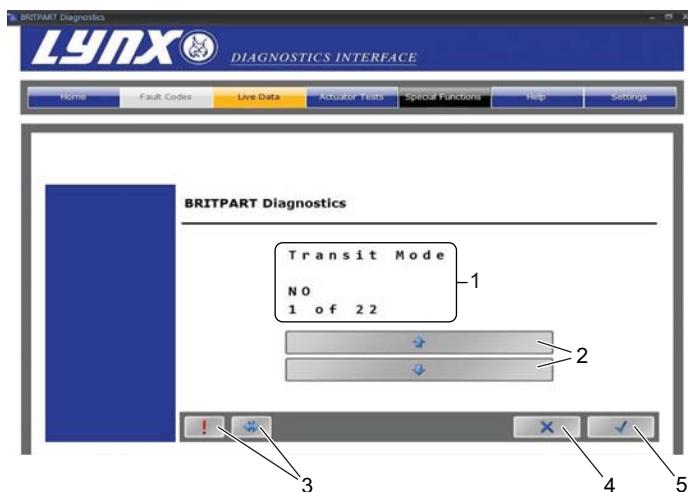
Selecting a system will automatically prompt the software to begin communication.

The communication LED on the Diagnostics Interface will begin to flash, confirming that the LYNX Diagnostics Interface is connecting to the system.

When the vehicle is ready for diagnostic tests, the diagnostic menu items will be highlighted.

# Britpart diagnostics

## Diagnostic interface



1. Options/results display
2. Scroll up/down
3. System dependant features
4. Cancel/back
5. Confirm/back

Some vehicle systems will be displayed in a different format to the standard layout. The options and results will be displayed within a system window which is controlled by on-screen buttons.

The 'Scroll Up / Down' buttons (2) are used to navigate through options and results. If information spans multiple screens, it will be indicated by a series of dots.

The 'Cancel / Back' button (3) returns to the previous screen.

The 'Confirm / Next' button (5) will confirm a selection or move to the next screen.

The 'System Dependent Feature' buttons (4) vary in their application and should only be used when instructed to do so by LYNX Diagnostics Interface.

## Reading and clearing fault codes



1. Refresh fault code list
2. Clear fault codes

When the vehicle system has been identified, the 'Fault Codes' menu item will become enabled where supported. This will allow fault codes to be read from the selected system. It is also possible to clear fault codes from the system.

Press the 'Refresh Fault Code List' button to refresh the list of fault codes.

Press the 'Clear Fault Codes' button to clear all fault codes.

# Britpart diagnostics

## Reading live data



1. Start live data
2. Pause live data
3. Stop live data
4. Record live data
5. List mode
6. Graph mode
7. Add live data items
8. Remove live data items
9. Alarms/triggers

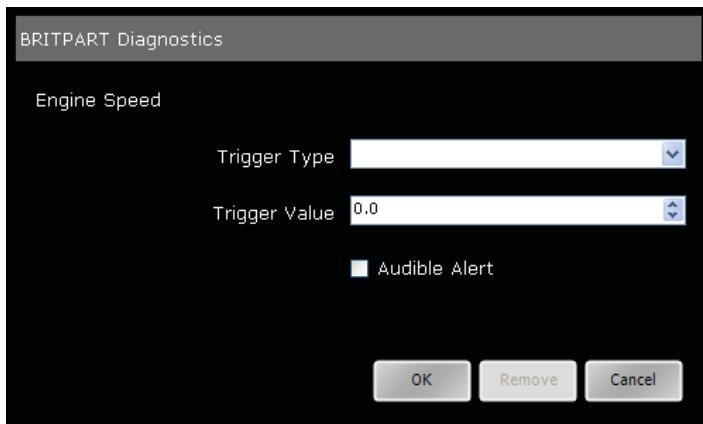
The 'Live Data' menu item allows the display and recording of current live data that is being output from the system.

To view the live data element, select the required item from the left side of the screen and press the 'Add live data

items' (7) button. It is possible to view up to eight different live data elements at a time.

The live data can be displayed in a list form or as a graph by pressing the 'List Mode' (5) or 'Graph Mode' (6) buttons respectively.

To record live data, press the 'Record Live Data' (4) button; this will request and immediately record the selected live data items. To save the live data recording, press 'Yes' when prompted, after recording has finished, and enter a description. Select the saved data tab to view the saved data.



The 'Alarms / Triggers' screen allows the setting of an alarm to indicate when the reported value of a live data item has fallen within a user-defined range.

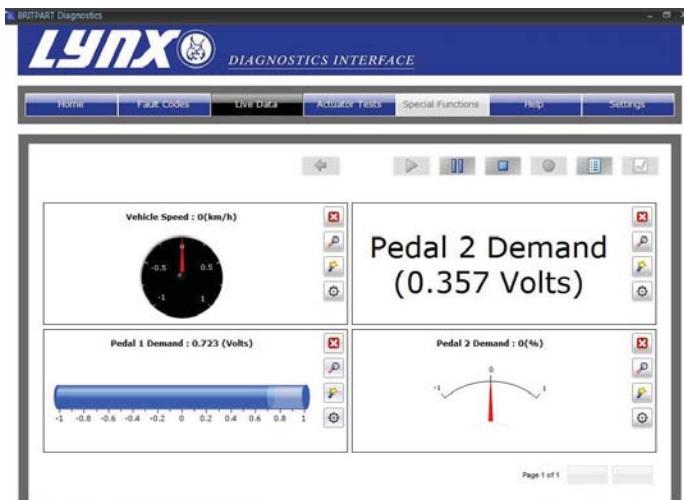
When the value falls within the defined range, the background of the live data item will change to red.

With the 'Audible Alert' option set, the PC will emit a 'beep' when the specified parameters have been met. When the value falls outside the specified range, the audible alert will cease but the background of the live data item will remain red.

To switch off an audible alarm, deselect the 'Audible Alert' option. Alternatively, press the 'Remove' button to remove the alarm completely.

## Britpart diagnostics

---



In the graph view, the graphs will automatically scale to fill the available space on the screen. To enlarge the view of a particular graph select the 'Zoom' icon to the right of the graph.



CR0243

1. Remove
2. Zoom
3. Change display type
4. Enable cross hair
5. View entire graph
6. Alarms/Triggers
7. Zoom in to axis
8. Zoom out from axis
9. Scroll left
10. Scroll right

# Britpart diagnostics

---

## Actuator tests

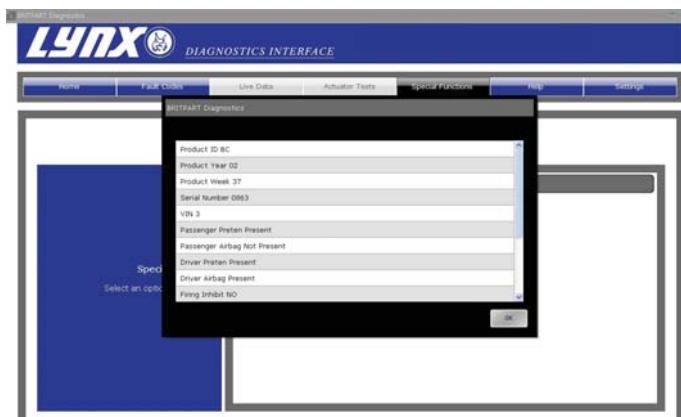


The 'Actuator Tests' screen allows operation of components within the selected system to be forced.

Choose the component to be activated and select the display button.

The operation of the component must be observed as the system provides no indication of whether the activation has been successful.

## Special functions



The 'Special Functions' screen allows various system tests to be undertaken. The tests available will be determined by the system selected.

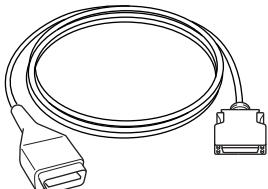
## Troubleshooting

This table illustrates some of the most common causes of faults on the system.

Problem:	Check:
System will not install from the CD	<ul style="list-style-type: none"><li>• Ensure the person installing the software has administration rights on the PC</li><li>• Ensure all previous copies of LYNX diagnostic interface have been un-installed</li><li>• Navigate to the DVD drive in 'Windows Explorer' and double press 'Setup' to launch the application.</li><li>• Ensure the system is Windows XP Professional ,Windows Vista or Windows 7.</li></ul>
Communication problems between the LYNX diagnostic interface and the vehicle. A typical message may include; "Data Link Error".	<ul style="list-style-type: none"><li>• Ensure vehicle ignition is switched on</li><li>• Ensure correct cable is being used</li><li>• Ensure vehicle system is supported by the LYNX diagnostic interface.</li><li>• Ensure cable is correctly connected, particularly if external power to the connector is required.</li></ul>
COM port problems	<ul style="list-style-type: none"><li>• Ensure cable is correctly connected, particularly if external power to the connector is required.</li><li>• Check USB drivers are installed. See '<i>USB connection</i>', page 3.</li></ul>

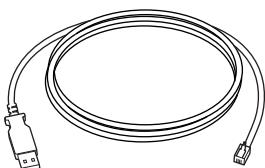
## Cable identification

### Standard cables



CR0225

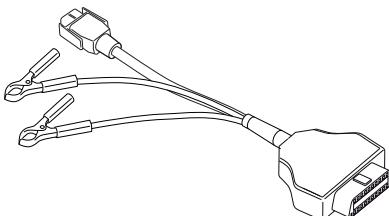
*DA6430/2 - EOBD cable.*



CR0226

*USB cable.*

### Optional cables



OM1572

*DA6430/3 - 14CUX cable*

## Product support

For product support by email, please send details of any query to [lynx.support@omitec.com](mailto:lynx.support@omitec.com).

# Appendix A: Menus

---

## System Menu Structure

The table below details the LYNX diagnostics interface main menu structure.

Defender	EMS	CUX14	See ' <i>Petrol Engine - 14CUX</i> ', page 33
		GEMS	See ' <i>Petrol Engine - GEMS</i> ', page 34
		TD5	See ' <i>Diesel Engine - TD5</i> ', page 30
		ABS	See ' <i>ABS - WABCO 'D'</i> ', page 44
		Security	' <i>Security - 10AS</i> ', page 55
Defender (L316)	EMS	See ' <i>Diesel Engine - Diesel EMS</i> ', page 31	
	ABS	WABCO 'D'	See ' <i>ABS - WABCO 'D'</i> ', page 44
	Security	10AS	See ' <i>Security - 10AS</i> ', page 55
Discovery I	EMS	CUX14	See ' <i>Petrol Engine - 14CUX</i> ', page 33
		GEMS	See ' <i>Petrol Engine - GEMS</i> ', page 34
		MEMS 1.9	See ' <i>Petrol Engine - MEMS 1.9</i> ', page 35
		EDC 1.3.1	See ' <i>Diesel Engine - EDC 1.3.1</i> ', page 31
		ABS	See ' <i>ABS - WABCO 'C'</i> ', page 46
	Airbag	TRW SPS	See ' <i>Airbag - TRW SPS</i> ', page 47
	Security	10AS	See ' <i>Security - 10AS</i> ', page 55

## Appendix A: Menus

---

Discovery II	EMS	M 5.2.1	See 'Petrol Engine - M 5.2.1', page 38
		TD5	See 'Diesel Engine - TD5', page 30
	Transmission	GS8.87.0/1	See 'Transmission - GS 8.87.0/1', page 40
	ABS	WABCO 'D'	See 'ABS - WABCO 'D'', page 44
	Airbag	TRW Gen 4	See 'Airbag - TRW Gen 4', page 48
	Security	BCU	See 'Security - BCU', page 57
	Chassis	ACE (ROCK / ARC)	See 'Chassis - ACE', page 53
Discovery 3	EMS	Petrol	See 'Petrol Engine - Petrol EMS', page 39
		Diesel	See 'Diesel Engine - Diesel EMS', page 32
	Transmission	See 'Transmission', page 43	
	ABS	See 'ABS', page 46	
	Airbag	See 'Airbag', page 48	
	EPB	See 'EPB', page 65	
	Service Reset	See 'Service Reset', page 64	
	Steering Angle	See 'SAS', page 63	
	Security	See 'Security - Body', page 62	
	Chassis	See 'Chassis', page 53	
	Fuel-Burning Heater	See 'Fuel-Burning Heater', page 66	

## Appendix A: Menus

---

Discovery 4	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - Diesel EMS</i> ', page 32
	Transmission	ZF HP26 ZF HP28	See ' <i>Transmission</i> ', page 43
	ABS	See ' <i>ABS</i> ', page 46	
	Airbag	See ' <i>Airbag</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	EPB	See ' <i>EPB</i> ', page 65	
	Body electrics	See ' <i>Security - Body</i> ', page 62	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Immob. (Steer.Lock)	See ' <i>Security - VIM</i> ', page 62	
	Chassis	See ' <i>Chassis</i> ', page 53	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	
	HSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	
	MSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	

## Appendix A: Menus

---

Freelander 1	EMS	MEMS 1.9	See ' <i>Petrol Engine - MEMS 1.9</i> ', page 35
		MEMS 3	See ' <i>Petrol Engine - MEMS 3</i> ', page 37
		EMS 2000	See ' <i>Petrol Engine - EMS 2000</i> ', page 34
		MS43	See ' <i>Petrol Engine - MS43</i> ', page 38
		EDC 1.3.1	See ' <i>Diesel Engine - EDC 1.3.1</i> ', page 31
		DDE 4.0	See ' <i>Diesel Engine - DDE 4.0</i> ', page 31
	Transmission	JATCO	See ' <i>Transmission - JATCO</i> ', page 40
	ABS	WABCO 'D'	See ' <i>ABS - WABCO 'D'</i> ', page 44
		ABS MK20	See ' <i>ABS - MK20 / MK25</i> ', page 45
		ABS MK25	
	Airbag	Autoliv AC4	See ' <i>Airbag - Autoliv AC4</i> ', page 47
		Siemens SRE Smart	See ' <i>Airbag - Siemens SRE Smart</i> ', page 47
	Security	CCU	See ' <i>Security - CCU</i> ', page 56
		EWS 3D	See ' <i>Security - EWS 3D</i> ', page 56

## Appendix A: Menus

---

Freelander 2	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 38
		Diesel	See ' <i>Diesel Engine</i> ', page 32
	Transmission	See ' <i>Transmission</i> ', page 40	
	ABS	See ' <i>ABS</i> ', page 45	
	Airbag	See ' <i>Airbag</i> ', page 47	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	SASM	See ' <i>SAS</i> ', page 63	
	Security	See ' <i>Security</i> ', page 57	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	

## Appendix A: Menus

---

Range Rover (L322) 02MY - 05MY	EMS	Petrol	See ' <i>Petrol Engine - ME 7.2</i> ', page 39
		Diesel	See ' <i>Diesel Engine - DDE 4.0</i> ', page 32
	Transmission	Petrol	See ' <i>Transmission - ZF / EGS 8602</i> ', page 41
		Diesel	See ' <i>Transmission - GM5 / EGS20</i> ', page 42
	ABS	See ' <i>ABS - Bosch 5.7</i> ', page 46	
	Airbag	See ' <i>Airbag - TRW MRS 4</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	Body Electrics	See ' <i>Security - GM3 Body Electrics</i> ', page 59	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Steering Angle Sensor	See ' <i>SAS</i> ', page 63	
	Security	See ' <i>Security - EWS 3D</i> ', page 56	
	Air Suspension	See ' <i>Air Suspension - EHC2</i> ', page 51	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	

## Appendix A: Menus

---

Range Rover (L322) 06MY	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - DDE 4.0</i> ', page 32
	Transmission	Petrol	See ' <i>Transmission</i> ', page 43
		Diesel	See ' <i>Transmission</i> ', page 43
	ABS	Petrol	See ' <i>ABS</i> ', page 46
		Diesel	See ' <i>ABS - Bosch 5.7</i> ', page 46
	Airbag	See ' <i>Airbag - TRW MRS 4</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Body Electrics	See ' <i>Security - GM3 Body Electrics</i> ', page 59	
	Steering Angle Sensor	Petrol	See ' <i>SAS</i> ', page 63
		Diesel	See ' <i>SAS</i> ', page 63
	Security	See ' <i>Security - GM3 Body Electrics</i> ', page 59	
	Air Suspension	See ' <i>Chassis</i> ', page 53	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	

## Appendix A: Menus

---

Range Rover (L322) 07- 09 MY	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - Diesel EMS</i> ', page 32
	Transmission	See ' <i>Transmission</i> ', page 43	
	ABS	See ' <i>ABS</i> ', page 46	
	Airbag	See ' <i>Airbag</i> ', page 48	
	EPB	See ' <i>EPB</i> ', page 65	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Steering Angle Sensor	'SAS', page 63	
	Body Electrics	See ' <i>Security - GM3 Body Electrics</i> ', page 59	
	Chassis	See ' <i>Chassis</i> ', page 53	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	

## Appendix A: Menus

---

Range Rover (L322) 10 MY	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - Diesel EMS</i> ', page 32
	Transmission	See ' <i>Transmission</i> ', page 43	
	ABS	See ' <i>ABS</i> ', page 46	
	Airbag	See ' <i>Airbag</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	EPB	See ' <i>EPB</i> ', page 65	
	Steering angle	See ' <i>SAS</i> ', page 63	
	Body electrics	See ' <i>Security - Body</i> ', page 62	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Immob. (Steer.Lock)	See ' <i>Security - VIM</i> ', page 62	
	Chassis	See ' <i>Chassis</i> ', page 54	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	
	HSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	
	MSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	

## Appendix A: Menus

---

Range Rover (P38a)	EMS	M 5.2.1	See 'Petrol Engine - M 5.2.1', page 38
		GEMS	See 'Petrol Engine - GEMS', page 34
		EDC 1.3.1	See 'Diesel Engine - EDC 1.3.1', page 31
	Transmission	GS8.87.0/1	See 'Transmission - GS 8.87.0/1', page 40
		GS2-38	See 'Transmission - GS 2-38', page 40
	ABS	WABCO 'C'	See 'ABS - WABCO 'C'', page 46
		WABCO 'D'	See 'ABS - WABCO 'D'', page 44
	Airbag	TRW SPS	See 'Airbag - TRW SPS', page 47
		TRW Gen 4	See 'Airbag - TRW Gen 4', page 48
	Climate control	See 'Climate Control', page 49	
	Chassis	Air Suspension	See 'Climate Control', page 49
	Body electrics - BeCM	See 'Security - BeCM Body Electronics', page 60	
Range Rover Classic	EMS	14CUX	See 'Petrol Engine - 14CUX', page 33
	Chassis	Air Suspension	See 'Climate Control', page 49

## Appendix A: Menus

---

Range Rover Sport (L320) - 06 - 09 MY	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - Diesel EMS</i> ', page 32
	Transmission	See ' <i>Transmission</i> ', page 43	
	ABS	See ' <i>ABS</i> ', page 46	
	Airbag	See ' <i>Airbag</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	EPB	See ' <i>EPB</i> ', page 65	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Steering Angle Sensor	See ' <i>SAS</i> ', page 63	
	Security	See ' <i>Security - Body</i> ', page 62	
	Chassis	See ' <i>Chassis</i> ', page 53	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	

## Appendix A: Menus

---

Range Rover Sport (L320) 10 MY	EMS	Petrol	See ' <i>Petrol Engine - Petrol EMS</i> ', page 39
		Diesel	See ' <i>Diesel Engine - Diesel EMS</i> ', page 32
Transmissio n	See ' <i>Transmission</i> ', page 43		
	ABS	See ' <i>ABS</i> ', page 46	
	Airbag	See ' <i>Airbag</i> ', page 48	
	Climate control	See ' <i>Climate Control</i> ', page 49	
	EPB	See ' <i>EPB</i> ', page 65	
	Body electrics	See ' <i>Security - Body</i> ', page 62	
	Service Reset	See ' <i>Service Reset</i> ', page 64	
	Immob. (Steer.Lock)	See ' <i>Security - VIM</i> ', page 62	
	Chassis	See ' <i>Chassis</i> ', page 53	
	Fuel-Burning Heater	See ' <i>Fuel-Burning Heater</i> ', page 66	
	HSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	
	MSCAN Clear DTCs	See ' <i>Global DTCs</i> ', page 67	

# Appendix A: Menus

---

## Menus - Diesel Engine

### Diesel Engine - TD5

- Defender
- Discovery II

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Circuit Tests	Injector 1 Test Injector 2 Test Injector 3 Test Injector 4 Test Injector 5 Test CM Check EGR Vacuum Mod EGR Inlet Thrott. Turbo Wastegate MI Lamp Glow Plug Lamp Glow Plug Relay Tachometer Temperature Gauge Fuel Pump A/C Clutch Drive Fan(s) Test
Programming	Immobilisation Read Injector Set Injector Set Throttle
	Immob. NOT Fitted Immob. Fitted
	Injector 1 Injector 2 Injector 3 Injector 4 Injector 5
	Throttle 2 Track Throttle 3 Track

## Appendix A: Menus

---

### Diesel Engine - Diesel EMS

- Defender (L316) (2007 -)

Read Faults / DTCs
Clear Faults / DTCs
Live Data
Circuit Tests

### Diesel Engine - EDC 1.3.1

- Freelander 1
- Discovery I
- Range Rover (P38a)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Circuit Tests	Engine Stop Boost Pres Wasteg A/Con. Comp. Relay EGR Valve Pre-Heater Relay Pre-Heater W/Lamp Diagnostic Lamp Fuel Pump
Read CM Details	
Security code	

### Diesel Engine - DDE 4.0

- Freelander 1

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Aircon Clutch Glow Plug Relay EGR Vacuum Mod Cooling Fan

## Appendix A: Menus

---

### Diesel Engine

- **Freelander 2 (L359)**

Read Faults / DTCs
Clear Faults / DTCs
Live Data
Oil Change
ECM Data

### Diesel Engine - DDE 4.0

- **Range Rover (L322) (2002 - 2006)**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
ECM Data	
Actuators	EGR Control
	Pre-Supply Pump
	Glow Time Relay
	Charge Air Control
	Cooling Fan

### Diesel Engine - Diesel EMS

- **Discovery 3**
- **Range Rover (L322) (2007 - 2009)**
- **Range Rover Sport (L320)**

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### Diesel Engine - Diesel EMS

- Discovery 4 (319) 2010 MY
- Range Rover (L322) 2010MY
- Range Rover Sport (L320) 2010 MY

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### Menus - Petrol Engine

#### Petrol Engine - 14CUX

- Defender
- Discovery I
- Range Rover Classic

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Injectors
	Fuel Pump
Learn security	
Configuration	Reset adaptions

## Appendix A: Menus

---

### Petrol Engine - GEMS

- Defender
- Discovery I
- Range Rover (P38a)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	MI Lamp
	Fuel Pump
	Purge Valve

### Petrol Engine - EMS 2000

- Freelander 1

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Main Relay
	Injector 1
	Injector 2
	Injector 3
	Injector 4
	Injector 5
	Injector 6
	Fuel Pump Relay
	A/C Clutch
	Cooling Fan Relay
	Purge Canister
	Over Speed Relay
	Stepper Motor
	Prime Fuel Line
	VIS Balance
	VIS Butterfly
ECM Data	

## Appendix A: Menus

---

### Petrol Engine - MEMS 1.9

- Freelander 1
- Discovery I

Read Faults / DTCs
Clear Faults / DTCs
Live Data

## Appendix A: Menus

---

Actuators	Temperature Gauge
	Fuel Pump
	PTC Heater
	Air Conditioning
	Idle Solenoid
	ORFCO Solenoid
	Pulse Air Valve
	EGR Valve
	Purge Valve
	O2 Sensor Heater
	Emiss. Fail Lamp
	Turbo Boost Cont
	Fuel Used
	Fan Control 1
	Fan Control 2
	VVT - Inc Period
	Back Pres. Valve
	Var. Geom. Inlet
	Anti RunOn Valve
	Tachometer
	Boost Gauge
	SW Throttle Sw
	VVT - Dec Period
	Fan Control 3
	Test Ign. Coils
	Injectors
	Ambient Air Lamp
	Cruis Dis Relay
	Hill Desc Relay
	RevLite-Caterham

## Appendix A: Menus

---

### Petrol Engine - MEMS 3

- Freelander 1

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
ECM Data	
Actuators	Main Relay
	Fuel Pump Relay
	MI Lamp
	A/C Clutch
	Radiator Fan
	Auxiliary Fan
	US O2 Heater
	DS O2 Heater
	Engine Bay Fan
	Warning Lamp
	Tachometer
	Injector 1
	Injector 2
	Injector 3
	Injector 4

## Appendix A: Menus

---

### Petrol Engine - MS43

- **Freelander 1**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
ECM Data	
Actuators	Cooling Fan
	Fuel Pump
	DMTL Pump
	DMTL Valve
	DMTL Heater
	Purge Valve
	A/C Clutch
	MI Lamp

### Petrol Engine - Petrol EMS

- **Freelander 2 (L359)**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
ECM Data	

### Petrol Engine - M 5.2.1

- **Discovery II**
- **Range Rover (P38a)**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
ECM Data	
Actuators	Fuel Pump
	Condenser Fan
	CVS Valve
	E Box Fan

## Appendix A: Menus

---

### Petrol Engine - ME 7.2

- Range Rover (L322)

Read Faults / DTCs
Clear Faults / DTCs
Live Data
Actuators
Fuel Injector 1
Fuel Injector 2
Fuel Injector 3
Fuel Injector 4
Fuel Injector 5
Fuel Injector 6
Fuel Injector 7
Fuel Injector 8
Map Thermostat
Tank Vent. Valve
A/C Compressor
ECM Data

### Petrol Engine - Petrol EMS

- Discovery 3 (L319)
- Range Rover (L322) (2006)
- Range Rover (L322) 2007-2009
- Range Rover (L322) 2010
- Range Rover Sport (L320) 2006 - 2009
- Range Rover Sport (L320) 2010
- Discovery 4 (L319) 2010

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

# Appendix A: Menus

---

## Menus - Transmission

### Transmission - JATCO

- Freelander 1

Read Faults / DTCs
Clear Faults / DTCs
Live Data

### Transmission

- Freelander 2 (L359)

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### Transmission - GS 8.87.0/1

- Discovery II
- Range Rover (P38a)

Faults Codes / DTCs	Read Faults / DTCs
	Clear Faults / DTCs
Live Data	
ECM Data	

### Transmission - GS 2-38

- Range Rover (P38a)

Faults Codes / DTCs	Read Faults / DTCs
	Clear Faults / DTCs
Live Data	
ECM Data	

## Appendix A: Menus

---

### Transmission - ZF / EGS 8602

- Range Rover (L322) (2002 - 2005)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Solenoid Valve 1
	Solenoid Valve 2
	Solenoid Valve 3
	Pressure Act. 1
	Pressure Act. 2
	Pressure Act. 3
	Pressure Act. 4
	Pressure Act. 5
	Shiftlock
	Instruments
ECM Data	

## Appendix A: Menus

---

### Transmission - GM5 / EGS20

- Range Rover (L322) (2002 - 2006)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Pressure Act. 1 Pressure Act. 4 Solenoid Valve 1 Solenoid Valve 2 Solenoid Valve 3 Shiftlock Reversing Light Eng. Intervention Park (P) Lamp Reverse (R) Lamp Neutral (N) Lamp Drive (D) Lamp 1st Gear (1) Lamp 2nd Gear (2) Lamp 3rd Gear (3) Lamp 4th Gear (4) Lamp 5th Gear (5) Lamp Sport (S) Lamp Economy (E) Lamp Manual (M) Lamp Economy (A) Lamp Fault Indication
ECM Data	

### Transmission

- Discovery 3 (L319)
- Discovery 4 (L319) 2010 ZF HP26 / ZF HP28
- Range Rover Petrol (L322) 2006
- Range Rover (L322) 2007 - 2009
- Range Rover (L322) 2010
- Range Rover Sport (L320) 2006 - 2009
- Range Rover Sport (L320) 2010

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

# Appendix A: Menus

---

## Menus - Anti-lock Braking System (ABS)

### ABS - WABCO 'D'

- Defender
- Defender (L316) (2007 -)
- Freelander 1
- Discovery II
- Range Rover (P38a)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Circuit Tests	Inlet Valve RF
	Outlet Valve RF
	Wheel Test RF
	Hydraulics RF
	Inlet Valve LF
	Outlet Valve LF
	Wheel Test LF
	Hydraulics LF
	Inlet Valve RR
	Outlet Valve RR
	Wheel Test RR
	Hydraulics RR
	Inlet Valve LR
	Outlet Valve LR
	Wheel Test LR
	Hydraulics LR
	Supplies / Grounds
	ABS Warning Lamp
	TC Warning Light
	Brake Warn. Lamp
	Shuttle Valve Sw.
	Valve Relay
	Pump Relay
	HDC Info. Light

## Appendix A: Menus

---

Circuits Tests (continued)	HDC Fault Light
	Brake Light Relay
	Speedometer
	SLS RR Valve
	SLS LR Valve
	SLS Exhaust Valve
	SLS Cmpress Relay
	SLS RR Height
	SLS LR Height
	SLS Audible Warn
	SLS Warning Light
	OFF Road Light
	TC Valve NC
	TC Valve NO
	Isolation Inlet
	Rough Road Signal
Programming	Configuration
	Transportation

### ABS - MK20 / MK25

- **Freelander 1**

Read Faults / DTCs
Clear Faults / DTCs
Live Data

### ABS

- **Freelander 2 (L359)**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Configuration	SAS Calibration
	Long. Accel. Calib.
ECM Data	

## Appendix A: Menus

---

### ABS - WABCO 'C'

- Discovery I
- Range Rover (P38a)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Circuit Tests	ABS Warning Lamp
	ETC Info Lamp
	Wheel Test LF
	Wheel Test LR
	Wheel Test RF
	Wheel Test RR
	Ignition Valves
	ETC Valves

### ABS - Bosch 5.7

- Range Rover (L322) (2002 - 2006)

Read Faults / DTCs
Clear Faults / DTCs
SAS Calibration

### ABS

- Discovery 3 (L319)
- Discovery 4 (L319) 2010
- Range Rover (L322) 2006 - 2010
- Range Rover Sport (L320) 2006 - 2010

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### Menus - Airbag

#### Airbag - Autoliv AC4

- Freelander 1

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

#### Airbag - Siemens SRE Smart

- Freelander 1

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

#### Airbag

- Freelander 2 (L359)

Read Faults / DTCs		
Clear Faults / DTCs		
ECM Data		
Configuration	Airbag Build Mode	Entry
		Exit
Crash Reset		

#### Airbag - TRW SPS

- Discovery I
- Range Rover (P38a)

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

## **Appendix A: Menus**

---

### **Airbag - TRW Gen 4**

- **Discovery II**
- **Range Rover (P38a)**

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

### **Airbag - TRW MRS 4**

- **Range Rover (L322) (2002 - 2006)**

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

### **Airbag**

- **Discovery 3 (L319)**
- **Discovery 4 (L319) 2010**
- **Range Rover (L322) 2007 - 2010**
- **Range Rover Sport (L320) 2006 - 2010**

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

### Menus - Climate control

#### Climate Control

- Range Rover (P38a)
- Range Rover (L322) 2002 - 2006
- Range Rover (L322) 2006 - 2009

Read Faults / DTCs
Clear Faults / DTCs

#### Climate Control

- Freelander 2 (L359)
- Discovery 4 (L319) 2010
- Range Rover (L322) 2006 - 2010
- Range Rover Sport (L320) 2006 - 2010

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

# Appendix A: Menus

---

## Menus - Air Suspension

### Air Suspension - Airsus

- Range Rover Classic
- Range Rover (P38a)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Circuit Tests	Compressor
	Left Front Valve
	Right Front Valve
	Left Rear Valve
	Right Rear Valve
	Inlet Valve
	Exhaust Valve
	EAS Manual
	EAS Fault
	SLOW 35 MPH MAX
	SLOW 20 MPH MAX
	Inhibit Lamp
	High Profile Lamp
	Standard Lamp
	Low Profile Lamp
	Access Lamp
Maintenance	Transportation
	High Lock Mode
Calibration	

## Appendix A: Menus

---

### Air Suspension - EHC2

- Range Rover (L322) (2002 - 2005)

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	<ul style="list-style-type: none"><li>Access Level</li><li>Motorway Level</li><li>Standard Level</li><li>Offroad Level</li><li>FR Corner Valve</li><li>FL Corner Valve</li><li>RR Corner Valve</li><li>RL Corner Valve</li><li>Reservoir Valve</li><li>Exhaust Valve</li><li>Compressor Relay</li><li>Hi. Pres. Exhst. Val</li><li>Rear Cross-Link</li><li>Front Cross-Link</li><li>Access Indict. LED</li><li>Motorway LED</li><li>Standard LED</li><li>Off-Road LED</li><li>Hold LED</li></ul>
Service Functions	<ul style="list-style-type: none"><li>Operational Mode<ul style="list-style-type: none"><li>Transport Mode</li><li>Production Mode</li><li>Wheel Alignm. Mode</li><li>Normal Mode</li></ul></li><li>Deflate<ul style="list-style-type: none"><li>Deflate All</li><li>Deflate Front</li><li>Deflate Rear</li><li>Deflate FL Corner</li><li>Deflate FR Corner</li><li>Deflate RL Corner</li><li>Deflate RR Corner</li></ul></li></ul>

## **Appendix A: Menus**

---

Service Functions (continued)	Inflate	Inflate All
		Inflate Front
		Inflate Rear
		Inflate FL Corner
		Inflate FR Corner
		Inflate RL Corner
		Inflate RR Corner
ECM Data		

## Menus - Chassis

### Chassis - ACE

- Discovery II

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Actuators	Warning Lamp
	Main Relay
	Direct. Ctl. Valve 1
	Direct. Ctl. Valve 2
Calibration	Upper Lateral Acc
	Lower Lateral Acc
	Both Lateral Acc
Bleeding	Front Axle
	Rear Axle
	Full Bleed
System Test	

### Chassis

- Discovery 3 (L319)
- Range Rover (L322) 2006 - 2009
- Range Rover Sport (L320) 2006 - 2009

Read Faults / DTCs		
Clear Faults / DTCs		
Live Data		
Configuration	Operational Mode	Production Mode
		Normal Mode
	Tolerance Control	Normal / Standard
		Tight/Wheel-Align
	Deflate	Deflate Springs
		Deflate Reservoir
		Deflate All
		Exit Deflate Mode
ECM Data		

## **Appendix A: Menus**

---

### **Chassis**

- **Discovery 4 (L319) 2010**
- **Range Rover (L322) 2010**
- **Range Rover Sport (L320) 2010**

Read Faults / DTCs
Clear Faults / DTCs
ECM Data
Live Data

### Menus - Security

#### Security - 10AS

- Defender
- Defender (L316) (2007 -)
- Discovery I

Live Data	
Programming	GEMS Immobilisation Spider Immobilisation EDC Immobilisation DDS Immobilisation Catalyst Overheat Warning Land Rover Defender Discovery Interior Lights Defender Interior Lights Pulsed Horn Hazards ON Alarm Triggered Hazards ON Alarm Arm / Disarm Passive Immobilisation CDL Operative With Alarm Armed Immobiliser Off With Ignition Disarm Alarm / Immob. With Key Disarm Alarm Only with Key Unlock Vehicle - No Disarm Mislock Sounder LED Indication of Alarm Trigger
Transmitters	

## Appendix A: Menus

---

### Security - CCU

- Freelander 1

Live Data	
Circuit Tests	CCU Int Buzzer
	Horn
	Alarm LED
	Door Open W/Lamp
	Seat Belt W/Lamp
	H/Brake Warn Lamp
	Courtesy Light
	Tail Fog Lamps
	Hazard Relay
	Driver Door Motor
	D'able Lock Motors
	Unlock Motors
	Tail Window Down
	Tail Window Up
	Front Wiper Slow
	Wiper F'ward Rel
	Wiper Reverse Rel
	Tail Door Act
	Win Heater Relay
	Crank Enable

### Security - EWS 3D

- Freelander 1
- Range Rover (L322) (2002 - 2005)

Fault Codes / DTCs	Read Faults / DTCs
	Clear Faults / DTCs
Live Data	
ECM Data	

# Appendix A: Menus

---

## Security

- **Freelander 2 (L359)**

Read Faults / DTCs	
Clear Faults / DTCs	
ECM Data	
Live Data	
Configuration	Crash Reset

## Security - BCU

- **Discovery II**

Live Data	
Circuit Tests	Horn Fuel Flap Alarm LED Ign Interlock Crank Enable Lock Doors Unlock Doors Superlock Doors Single Pt. Entry Front LH Window Front RH Window Rr Window Enable Sunroof Enable Front Wipe Enable Rear Wiper Enable H/Lamp Power Wash Front Fogs Relay LH Ind. Enable RH Ind. Enable Shift Interlock Transfer Neutral Sounder Check Engine Lamp LH Ind Warn Lamp

## Appendix A: Menus

---

Circuit Tests (continued)	RH Ind Warn Lamp Check ACE Lamp Manual Lamp Diff. Lock Lamp Oil Pressure Lamp H/Temp Warn. Lamp Sport Warn Lamp Trans. Temp Lamp Alternator W/Lamp Trailer Indicator HDC Select W/Lamp ABS Warning Lamp Traction W/Lamp Check HDC W/Lamp Brake Warn. Lamp Seat Belt W/Lamp Glow Plug W/Lamp Check SLS W/Lamp Heated Rr Window Heat Rr Win Lamp Heated Front Lamp
Transmitters	
Programming	Gearbox Front FOG Shift Interlock DRL Wash Wipe Key In Warning Electric Seat Electric Windows Heated Fr Screen Rear Win / Sun Roof Autographics HDC/SLABS Courtesy Lamps Error Warning

## Appendix A: Menus

---

Programming (continued)	Seat Belt W/Lamp
	Seatbelt Sound
	Bulb Failure
	Superlock
	Unlocking
	Alarm Disarm
	Inertia Switch
	Speed Locking
	Volumetric
	Alarm
	Passive
	Hazards
	Mislock
	Alarm Sound
	Bath Robe Lock
	Alarm Tampered
	Eng. Immobilised
	Low Battery Warn
	EKA

### Security - GM3 Body Electrics

- Range Rover (L322)

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

# Appendix A: Menus

---

## Security - BeCM Body Electronics

- Range Rover (P38a)

BeCM

Read Faults / DTCs		
Clear Faults / DTCs		
Live Data		
Vehicle params	Security	
	Other	
Actuators	Warning Lamps	Alternator Charge Cruise Active EFI Traction Control Low Oil Pressure Service Engine Low Fuel Gauge Brake Failure ABS Warning Lamp Trailer DI Air Susp Warning Eng Temp Gauge Lights On Seat Belt W/Lamp LH Indicator RH Indicator Main beam
	Fuel Gauge Calib	
	Temperature Gauge	
	Warning Buzzer	
	Instrument Illum.	

## Appendix A: Menus

---

Actuators - continued	Lights	Main beam
		Dipped beam
		Driving Lights
		Left Side Lamp
		Right Side Lamp
		Left indicator
		Right indicator
		Fog lights
		Rear fog lights
		Reversing lights
Electric Windows	FL Window	Num plate light
		Courtesy Lamps
		FR Window
		RL Window
		RR Window
Sunroof		
Wash Wipe	Front Wiper Fast	Horn
		Front Wiper slow
		Front Washer Spray
		Rear Wiper
		Rear Washer
Headlamp WashWipe		
		LHF Door Lock
		RHF Door Lock
		Rear Doors Lock
Fuel Filler Cap		

## **Appendix A: Menus**

---

### **Security - GM3 Body Electrics**

- Range Rover (L322) 2006 - 2009

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### **Security - Body**

- Discovery 3 (L319)
- Discovery 4 (L319) 2010
- Range Rover (L322) 2010
- Range Rover Sport (L320) 2006 - 2010

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### **Security - VIM**

- Discovery 4 (L319) 2010
- Range Rover (L322) 2006 - 2010
- Range Rover Sport (L320) 2010

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

### Menus - Steering Angle Sensor (SAS)

#### SAS

- Range Rover (L322) 2002 - 2005
- Range Rover (L322 - Diesel Only) 2006

Read Faults / DTCs
Clear Faults / DTCs
SAS Calibration

#### SAS

- Discovery 3 (L319)
- Range Rover (L322 - Petrol Only) 2006
- Range Rover (L322) 2007 - 2009
- Range Rover Sport (L320) 2006 - 2009

Read Faults / DTCs	
Clear Faults / DTCs	
Configuration	SAS Calibration
ECM Data	

#### SAS

- Freelander 2 (L359)
- Range Rover (L322) 2010

Read Faults / DTCs
Clear Faults / DTCs
ECM Data

# **Appendix A: Menus**

---

## **Menus - Service Reset**

### **Service Reset**

- Freelander 2 (L359)
- Range Rover (L322) 2006 - 2010
- Discovery 3 (L319)
- Discovery 4 (L319)
- Range Rover Sport (L320) 2006 - 2010

Service Reset

### **Service Reset**

- Range Rover (L322) (2002 - 2005)

Oil Reset

Distance Reset

Time Reset

### Menus - Electronic Parking Brake (EPB)

#### EPB

- **Discovery 3 (L319)**
- **Discovery 4 (L319)**
- **Range Rover (L322) 2007 - 2010**
- **Range Rover Sport (L320) 2006 - 2010**

Read Faults / DTCs	
Clear Faults / DTCs	
Live Data	
Service Brakes	Unjam EPB Mounting Position Latching Position Long. Accel. Calib.
ECM Data	

## Appendix A: Menus

---

### Menus - Fuel-Burning Heater

#### Fuel-Burning Heater

- Range Rover (L322) 2002 - 2009

Read Faults / DTCs								
Clear Faults / DTCs								
Live Data								
Actuators	<table border="1"><tr><td>Everything Off</td></tr><tr><td>Water Pump On</td></tr><tr><td>Air Fan Full Load</td></tr><tr><td>Glow Plug On</td></tr><tr><td>Dosing Pump On</td></tr><tr><td>Aircon Fan On</td></tr><tr><td>FBH On</td></tr></table>	Everything Off	Water Pump On	Air Fan Full Load	Glow Plug On	Dosing Pump On	Aircon Fan On	FBH On
Everything Off								
Water Pump On								
Air Fan Full Load								
Glow Plug On								
Dosing Pump On								
Aircon Fan On								
FBH On								
ECM Data								

#### Fuel-Burning Heater

- Freelander 2 (L359)
- Discovery 3 (L319)
- Discovery 4 (L319)
- Range Rover (L322) 2010
- Range Rover Sport (L320) 2006 - 2010

Read Faults / DTCs
Clear Faults / DTCs
Live Data
ECM Data

### Menus - Global DTC Clear

#### Global DTCs

- Discovery 4 (L319)
- Range Rover (L322) 2010
- Range Rover Sport (L320) 2010

Global DTCs clear

**Britpart**  
The Grove, Craven Arms,  
Shropshire, SY7 8DA UK [sales@britpart.com](mailto:sales@britpart.com)

[www.britpart.com](http://www.britpart.com)