
AUTOLOGIC – LAND ROVER

Autologic® is the most comprehensive diagnostic tool to be offered to independent Land Rover garages. Autologic® for Land Rover vehicles provides a diagnostic capability so comprehensive that absolute independence is now a reality. All control units can be replaced and Autologic® provides real-time data including graphing, component activation and read and clear fault codes. There are "HELP PAGES" throughout the system to assist the technician on all relevant values and data shown on the vehicles ECU's to assist in correct diagnosis and vehicle settings.

Autologic® Professional offers total diagnostic coverage for Defender, Discovery, Classic Range Rover, Range Rover 95/99 MY, Discovery 2, Freelander 98/01 MY, Range Rover 99/02 MY, Freelander 01+ MY, Range Rover 02+ MY, Discovery 3 and Range Rover Sport. Autologic® systems are covered by a 1-year parts and labour warranty. Continual development will provide additional model coverage that will become available as upgrade modules.

ELECTRONIC SYSTEMS BY VEHICLE

Defender

- Diesel EGR
- Petrol 14CUX
- Petrol GEMS
- Petrol MEMS
- BMW M52 Petrol (South Africa)
- Diesel TD5
- ABS
- Lucas 10AS security diagnostics

Discovery

- Petrol 14CUX
- Diesel EGR
- Diesel EDC (fly-by-wire)
- Petrol MEMS
- Petrol GEMS
- ABS
- Lucas 10AS security diagnostics
- AIR BAG

Discovery 2

- Petrol Motronic 5.2.1
- Diesel TD5
- Body Control Unit (BCU)
- Air Suspension & ABS
- Active Cornering Enhancement (ACE)

Freelander up to 2001 MY

- Petrol MEMS
- Diesel EDC
- ABS
- Air bag
- Central Control Unit (CCU)

Freelander since 2001

- Central Control Unit (CCU)
- Petrol MEMS3
- Petrol MS43 (NAS V6)
- Petrol V6 EMS2000
- Diesel TD4
- ABS
- Air Bag
- Auto Gearbox
- Cruise Control
- EWS Immobiliser
- Instrument Pack
- Fuel Burning Heater

Classic Range Rover

- Petrol 14CUX
- Diesel EGR
- Air Bag
- Air Suspension
- ABS

New Shape Range Rover (1995 – 2002)

- Body Control Module (BeCM)
- Diesel ECU
- Petrol ECU GEMS (V8 up to 2000)
- Petrol Motronic 5.2.1 (V8 after 2000)
- Air Bag
- ABS
- Air Suspension
- Auto Gearbox
- Heating and Ventilation (HEVAC)
- Cruise Control
- Air Bag
- Auto Gearbox

New Range Rover (2002 onwards)

- Petrol Motronic 7.2
- Diesel TD6
- ABS
- Airbag
- Air Conditioning
- Body Controller (GM3)
- Fuel Burning Heater
- Headlight Control Unit
- EWS3 Immobiliser
- Instrument Pack
- Parking Distance Control
- Security
- Transfer Box
- Vehicle Information Systems
- Air Suspension
- Automatic Gearbox

ELECTRONIC SYSTEMS DESCRIPTION

All ABS units	Live Data, Activations, Brake Bleeding, Fault Code Diagnostics
Diesel EGR	Live Data, Read Fault Codes, Component Activations
Petrol 14CUX	Live Data, Fault Code Diagnostics
Petrol GEMS	Live Data, Fault Code Diagnostics, Component Activations, Reset Adaptations, ECU replacement, Security reprogramming
Petrol MEMS	Live Data, Fault Code Diagnostics, Component Activations, Reset Adaptations, Idle Control, Open Loop Tune, Security Reprogramming
Lucas 10AS security	Live Data, EKA, Component Activations, PLIP programming, Market Programming. FULL SECURITY CUSTOMIZATION, not available from Land Rover
Diesel TD5	Live Data, Fault Code Diagnostics, Injector Activations, Cylinder Balancing, Security Programming, Programming Tunes, ECU programming
Petrol M52 (S.A Defenders)	Live Data, Reset Adaptations, Carbon Monoxide Adjust, Fault Code Diagnostics, Security Programming
All Airbags	Live Data, Fault Code Diagnostics
Air suspension (Discovery 2)	Live Data, Fault Code Diagnostics, Component Activations, Instrument Pack Test, ECU Programming, ECU Replacement, Air Suspension Calibration
Active Cornering Enhancement (ACE) Discovery 2	Live Data, Fault Code Diagnostics, Component Activations, Response Test, System Bleed
Auto Gearbox	Live Data (Speeds, Torques, Adaptive Pressures, Switches), Reset Adaptations, Fault Code Diagnostics
Petrol Motronic	Live Data, Component Activations, Fault Code Diagnostics, Rest Adaptive Values, Security Learn mode, Idle Adjust (development), ECU replacement and programming
Petrol EMS2000 Freelander V6	Live Data, Component Activations, Fault Code Diagnostics, Immobilisation Learn, Adaptations, CO Adjustment
Diesel DDE4 (Freelander TD4)	Live Data, Component Activations, Fault Code Diagnostics, Synchronise Immobilisation

Cruise control	Live Data, Fault Code Diagnostics
Fuel Burning Heater	System Prime, Live Data, Faults, Component Activations
Instrument Pack	Live Data, Component Activations, Fault Code Diagnostics
EWS Immobiliser	Live Data, ECM Synchronisation, Key Identification, Key Programming, Fault Code Diagnostics
Petrol MEMS3 (Freelander 2001)	Live Data, Component Activations, Fault code Diagnostics, Immobilisation Learn, Throttle Adjust, Adaptations
Petrol MS43 (Freelander NAS 2001)	Under Development
Air Suspension (Classic, New Shape Range Rover)	Live Data, System Raise / Lower, Lock modes, Component Activations, System Height calibration, Fault Code Diagnostics
Heating and Ventilation (New Shape Range Rover)	Live Data, Component Activations, Blend Flap calibration, Fault Code Diagnostics

2002 RANGE ROVER SYSTEM COVERAGE AND DESCRIPTION

Petrol Motronic 7.2	Live Data, Activations, Fault Code Diagnostics, Clear Adaptations, Clear Driver Demand
Diesel DDE	Live Data, Activations, Fault code Diagnostics, Idle Speed Adjust
ABS	Live Data, Component Activations, Fault Code Diagnostics, Static test, Steering Angle Calibration, ECU variant coding, Wheel Locking Test
Airbag	Dynamic Data, Fault code diagnostics
Air Conditioning	Live Data, Fault Code Diagnostics
Fuel Burning Heater	Live Data, Component Activations, Fault Code Diagnostics, System prime
Headlight Control	Live Data, Front / Rear / Trailer / Indicator outputs, Headlight levelling control, Fault Code Diagnostics
Immobiliser (EWS)	Live Data, Key Programming, ECM synchronisation
Instrument Pack	Live Data, Component Activations, Fault Code Diagnostics, Vehicle stored data
Parking Distance Control	Live Data, Sound Activations, Fault code Diagnostics
Security and Electronic Steering Lock	Live Data, Activations, Electronic Steering Lock Faults
Transfer Box	Live Data, ECU calibration, Fault code Diagnostics
Vehicle Information Systems	<p>Live Data and Faults for</p> <ul style="list-style-type: none"> • Bord Monitor • Radio • Video module • GPS navigation • Digital Sound Processor • Steering Wheel ECU
Air Suspension	Live Data, Component Activations, Fault Code Diagnostics, Transport Mode, ECU Production mode, ECU reprogramming, Air suspension calibration
Auto Gearbox	Live Data, Activations, Fault Code Diagnostics
GM3 Body Controller	<p>Live Data and Fault Diagnostics for</p> <ul style="list-style-type: none"> • Power steering • Mirrors • Washers and wipers • Windows and sunroof • Rain sensor • Seat Memory

BODY CONTROL UNITS

DISCOVERY 2 –BCU

- Live Data (All inputs)
- Component Activations (All outputs)
- ECU replacement
- Market Programming (Fully configurable)
- Full Security Learn / Setting / Programming
- Odometer synchronisation
- Key programming (up to 4 keys)
- Suspension Plip programming
- EKA read / set
- Alarm Triggers

NEW SHAPE RANGE ROVER - BeCM

- Live Data (All inputs)
- Component Activations (All outputs)
- BeCM replacement
- Market Programming (Fully configurable)
- Fault Code Diagnostics
- Odometer synchronisation (with Instrument Pack)
- EMR reset (NAS only)
- Radio Frequency Memory reset (Plip)

ALL FREELANDERS - CCU

- Live Data (All inputs)
- Component Activations (All outputs)
- ECU replacement
- Market programming (Fully configurable)
- Plip Programming
- Security Programming