

HawkEye Vehicle Application and Function List



Version 5

MAINTENANCE
PROGRAMMING
ECM DATA
LIVE DATA
CLEAR DTCs
READ DTCs

Vehicle Model	System	Years	System Name						Cable/Adapter	Maintenance
Defender	Diesel EMS	1999 - 2007	TD5	X	X	X		X		
Defender	Petrol EMS	1993 - 2007	14CUX 3.9 V8	X	X	X		X	14CUX (BA 5072)	
Defender	Petrol EMS	1997 - 1997	GEMS 4.0 V8	X	X	X		X	X	Reset Adaptions
Defender	Petrol EMS	1997 - 1998	MEMS 1.9	X	X	X		X		
Defender	ABS	1999 - 2007	WABCO D ABS	X	X	X		X	X	Brake Bleed
Defender	Security	1996 - 2007	10AS			X		X	Green (BA 5076)	
Defender (L316)	Diesel EMS	2007 -	Diesel Engine Management System	X	X	X	X			
Defender (L316)	ABS	1999 - 2007	WABCO D ABS	X	X	X	X	X		Brake Bleed
Defender (L316)	Security	1996 - 2007	10AS			X		X	Green (BA 5076)	
Freelander 1	Diesel EMS	1998 - 2001	Bosch EDC 1.3.1	X	X	X	X	X		Read Security Code
Freelander 1	Diesel EMS	2001 - 2006	Bosch DDE4	X	X	X		X		
Freelander 1	Petrol EMS	1998 - 2001	MEMS 1.9	X	X	X		X		
Freelander 1	Petrol EMS	2001 - 2006	MEMS 3	X	X	X	X	X		
Freelander 1	Petrol EMS	2001 - 2006	Siemens EMS2000	X	X	X	X	X		
Freelander 1	Petrol EMS	2001 - 2006	Siemens MS43	X	X	X	X	X		
Freelander 1	Transmission	1998 - 2006	Jatco	X	X	X				
Freelander 1	ABS	1998 - 2001	WABCO D ABS	X	X	X	X	X		Brake Bleed
Freelander 1	ABS	2000 - 2001	TEVES MK20	X	X	X				
Freelander 1	ABS	2002 - 2006	TEVES MK25	X	X	X			Grey (BA 5077)	
Freelander 1	Airbag	1998 - 2002	Autoliv ACU 4	X	X	X				
Freelander 1	Airbag	2003 - 2006	Siemens SRE Smart	X	X	X				
Freelander 1	Security	1998 - 2001	27VT - CCU			X		X	X	
Freelander 1	Security	2000 - 2002	EWS 3D	X	X	X		X	Grey (BA 5077)	
Freelander 2 (L359)	Diesel EMS	2007 -	Diesel Engine Management System	X	X	X	X			
Freelander 2 (L359)	Petrol EMS	2007 -	Petrol Engine Management System	X	X	X				
Freelander 2 (L359)	Transmission	2007 -	Transmission	X	X	X	X			
Freelander 2 (L359)	ABS	2007 -	Vehicle Dynamics Control Module	X	X	X	X			
Freelander 2 (L359)	Airbag	2007 -	Restraints Control Module	X	X	X			X	Crash Reset
Freelander 2 (L359)	Service Reset	2007 -	Service Reset					X	Black (BA 5080)	
Freelander 2 (L359)	Security	2007 -	Body Controller	X	X	X	X	X		Crash Reset
Freelander 2 (L359)	Fuel Fired Heater	2007 -	Fuel Fired Heater	X	X	X	X		Black (BA 5080)	
Discovery Series I	Diesel EMS	1996 - 1998	Bosch EDC 1.3.1	X	X	X	X	X		Read Security Code
Discovery Series I	Petrol EMS	1994 - 1995	14CUX 3.9 V8	X	X	X	X		14CUX (BA 5072)	
Discovery Series I	Petrol EMS	1996 - 1999	GEMS 4.0 V8	X	X	X		X	X	Reset Adaptions
Discovery Series I	Petrol EMS	1993 - 1998	MEMS 1.9	X	X	X	X			
Discovery Series I	ABS	1995 - 1996	WABCO C ABS	X	X	X	X			
Discovery Series I	Airbag	1996 - 1998	TRW SPS	X	X	X			Grey (BA 5077)	
Discovery Series I	Security	1996 - 1998	10AS			X		X	Green (BA 5076)	
Discovery Series II	Diesel EMS	1998 - 2005	TD5	X	X	X	X	X		
Discovery Series II	Petrol EMS	1998 - 2005	Bosch M5.2.1	X	X	X	X	X		Reset Adaptions
Discovery Series II	Transmission	1998 - 2005	GS 8.87.x	X	X	X	X	X		Reset Adaptions
Discovery Series II	ABS	1998 - 2005	WABCO D ABS/SLABS	X	X	X	X	X	X	Brake Bleed
Discovery Series II	Airbag	1998 - 2005	TRW Generation 4	X	X	X				
Discovery Series II	Security	1998 - 2005	Valeo BCU			X	X	X		
Discovery Series II	Chassis	1998 - 2005	ACE - Suspension	X	X	X	X	X	X	
Discovery Series II	Chassis	1998 - 2005	WABCO D ABS/SLABS - Suspension	X	X	X	X	X	X	
Discovery III (L319)	Diesel EMS	2005 - 2009	Diesel Engine Management System	X	X	X	X			
Discovery III (L319)	Petrol EMS	2005 - 2009	Petrol Engine Management System	X	X	X				
Discovery III (L319)	Transmission	2005 - 2009	Transmission	X	X	X				
Discovery III (L319)	ABS	2005 - 2009	Vehicle Dynamics Control Module	X	X	X	X			
Discovery III (L319)	Airbag	2005 - 2009	Restraints Control Module	X	X	X				
Discovery III (L319)	Climate Control	2005 - 2009	Heating, Ventilation & Air Con	X	X	X			Black (BA 5080)	
Discovery III (L319)	EPB	2005 - 2009	Park Brake Module	X	X	X	X	X		
Discovery III (L319)	Service Reset	2005 - 2009	Service Reset					X		
Discovery III (L319)	Steering Angle	2005 - 2009	Steering Angle	X	X	X		X		Reset Steering
Discovery III (L319)	Security	2005 - 2009	Body Controller	X	X	X	X		Black (BA 5080)	
Discovery III (L319)	Chassis	2005 - 2009	Ride Level Control Module	X	X	X	X	X		
Discovery III (L319)	Fuel Fired Heater	2005 - 2009	Fuel Fired Heater	X	X	X	X		Black (BA 5080)	
Discovery IV (L319)	Diesel EMS	2010	Diesel Engine Management System	X	X	X	X			
Discovery IV (L319)	Petrol EMS	2010	Petrol Engine Management System	X	X	X	X			
Discovery IV (L319)	Transmission	2010	ZF HP26	X	X	X	X			
Discovery IV (L319)	Transmission	2010	ZF HP28	X	X	X	X			
Discovery IV (L319)	ABS	2010	Vehicle Dynamics Control Module	X	X	X	X			
Discovery IV (L319)	Airbag	2010	Restraints Control Module	X	X	X				
Discovery IV (L319)	Climate Control	2010	Heating, Ventilation & Air Con	X	X	X			Black (BA 5080)	
Discovery IV (L319)	EPB	2010	Park Brake Module	X	X	X	X	X		
Discovery IV (L319)	Body Electrics	2010	Body Electrics	X	X	X	X			
Discovery IV (L319)	Service Reset	2010	Service Reset					X		
Discovery IV (L319)	Immobiliser (Steering Lock)	2010	Vehicle Immobiliser Module	X	X		X			
Discovery IV (L319)	Chassis	2010	Ride Level Control Module	X	X	X	X			
Discovery IV (L319)	Fuel Fired Heater	2010	Fuel Fired Heater	X	X	X	X		Black (BA 5080)	
Range Rover Classic	Petrol EMS	1990 - 1995	14CUX	X	X	X	X		14CUX (BA 5072)	
Range Rover (P38a)	Diesel EMS	1995 - 2002	Bosch EDC 1.3.1	X	X	X	X	X		Read Security Code
Range Rover (P38a)	Petrol EMS	1999 - 2002	Bosch M5.2.1	X	X	X	X	X		Reset Adaptions
Range Rover (P38a)	Petrol EMS	1995 - 1999	GEMS	X	X	X	X	X	X	Reset Adaptions
Range Rover (P38a)	Transmission	1998 - 2002	GS 2.38	X	X	X	X			
Range Rover (P38a)	Transmission	1998 - 2002	GS 8.87.x	X	X	X	X	X	X	Reset Adaptions
Range Rover (P38a)	ABS	1995 - 1999	WABCO C ABS	X	X	X	X			
Range Rover (P38a)	ABS	1999 - 2002	WABCO D ABS	X	X	X	X	X		
Range Rover (P38a)	Airbag	1998 - 2002	TRW SPS	X	X	X			Grey (BA 5077)	
Range Rover (P38a)	Climate Control	1998 - 2002	HVAC	X	X					
Range Rover (P38a)	Air Suspension	1995 - 2002	Air Suspension	X	X	X	X	X	Airsus (BA 5073)	
Range Rover (P38a)	Body Electrics	1995 - 2002	BeCM	X	X	X	X	X	X	Security & Programming

This chart shows the vehicles and functions currently available and includes application upgrade version 5. Please note that Bearmach operates a policy of continual improvement and reserve the right to alter specification without notice.

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NOTE: A standard J1962 cable is included in the HawkEye kit but some applications (indicated below with an asterisk*) require an additional cable or adapter which is available from us as an optional extra.

Vehicle Model	System	Years	System Name							Cable/Adapter	Maintenance
Range Rover (L322)	Diesel EMS	2002 - 2005	Bosch DDE4	X	X	X	X				
Range Rover (L322)	Petrol EMS	2002 - 2005	Bosch ME7.2	X	X	X	X	X			
Range Rover (L322)	Transmission	2002 - 2005	GM5 / EGS 20	X	X	X	X	X			
Range Rover (L322)	Transmission	2002 - 2005	ZF / EGS 8602	X	X	X	X	X			
Range Rover (L322)	ABS	2002 - 2005	Bosch 5.7	X	X					Red (BA 5078)	
Range Rover (L322)	Climate Control	2002 - 2005	HVAC	X	X					Red (BA 5078)	
Range Rover (L322)	Body Electrics	2002 - 2005	GM3	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Service Reset	2002 - 2005	Service Reset					X		Red (BA 5078)	
Range Rover (L322)	Steering Angle	2002 - 2005	Steering Angle	X	X				X	Red (BA 5078)	Reset Steering
Range Rover (L322)	Security	2002 - 2005	EWS3	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Air Suspension	2002 - 2005	EHC2	X	X	X	X	X	X	Red (BA 5078)	
Range Rover (L322)	Fuel Fired Heater	2002 - 2005	Fuel Fired Heater	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Diesel EMS	2006	Bosch DDE4	X	X	X	X				
Range Rover (L322)	Petrol EMS	2006	Denso PAN PAG	X	X	X	X				
Range Rover (L322)	Transmission	2006	GM5 / EGS 20	X	X	X	X	X			
Range Rover (L322)	Transmission	2006	Transmission	X	X	X	X				
Range Rover (L322)	ABS	2006	Bosch 5.7	X	X					Red (BA 5078)	
Range Rover (L322)	ABS	2006	Bosch 8	X	X	X	X				
Range Rover (L322)	Airbag	2006	MRS 4	X	X		X			Red (BA 5078)	
Range Rover (L322)	Climate Control	2006	HVAC	X	X					Red (BA 5078)	
Range Rover (L322)	Service Reset	2006	Service Reset					X			
Range Rover (L322)	Body Electrics	2006	GM3	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Security	2006	Body Controller	X	X		X			Black (BA 5080)	
Range Rover (L322)	Air Suspension	2006	Ride Level Control Module	X	X	X	X	X			
Range Rover (L322)	Fuel Fired Heater	2006	Fuel Fired Heater	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Diesel EMS	2007 - 2009	Siemens SID 203	X	X	X	X		X		Oil Change
Range Rover (L322)	Petrol EMS	2007 - 2009	Denso PAN PAG	X	X	X	X				
Range Rover (L322)	Transmission	2007 - 2009	Transmission	X	X	X	X				
Range Rover (L322)	ABS	2007 - 2009	Bosch 8	X	X	X	X				
Range Rover (L322)	Airbag	2007 - 2009	Restraints Control Module	X	X		X				
Range Rover (L322)	Climate Control	2007 - 2009	HVAC	X	X					Red (BA 5078)	
Range Rover (L322)	EPB	2007 - 2009	Park Brake Module	X	X	X	X	X			
Range Rover (L322)	Service Reset	2007 - 2009	Service Reset					X			
Range Rover (L322)	Steering Angle	2007 - 2009	Steering Angle	X	X				X		Reset Steering
Range Rover (L322)	Body Electrics	2007 - 2009	GM3	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Security	2007 - 2009	Vehicle Immobiliser Module	X	X		X			Black (BA 5080)	
Range Rover (L322)	Chassis	2007 - 2009	Ride Level Control Module	X	X	X	X	X			
Range Rover (L322)	Fuel Fired Heater	2007 - 2009	Fuel Fired Heater	X	X	X	X			Red (BA 5078)	
Range Rover (L322)	Diesel EMS	2010	Diesel Engine Management System	X	X	X	X				
Range Rover (L322)	Petrol EMS	2010	Petrol Engine Management System	X	X	X	X				
Range Rover (L322)	Transmission	2010	Transmission	X	X	X	X				
Range Rover (L322)	ABS	2010	Vehicle Dynamics Control Module	X	X	X	X				
Range Rover (L322)	Airbag	2010	Restraints Control Module	X	X		X				
Range Rover (L322)	Climate Control	2010	Heating, Ventilation & Air Con	X	X	X				Black (BA 5080)	
Range Rover (L322)	EPB	2010	Park Brake Module	X	X	X	X	X			
Range Rover (L322)	Steering Angle	2010	Steering Angle	X	X		X				
Range Rover (L322)	Body Electrics	2010	Body Electrics	X	X	X	X				
Range Rover (L322)	Chassis	2010	Ride Level Control Module	X	X	X	X				
Range Rover (L322)	Fuel-Fired Heater	2010	Fuel Fired Heater	X	X	X	X			Black (BA 5080)	
Range Rover (L322)	Immobiliser (Steering Lock)	2010	Vehicle Immobiliser Module	X	X		X				
RR Sport (L320)	Diesel EMS	2006 - 2009	Diesel Engine Management System	X	X	X	X				
RR Sport (L320)	Petrol EMS	2006 - 2009	Petrol Engine Management System	X	X	X	X				
RR Sport (L320)	Transmission	2006 - 2009	Transmission	X	X	X	X				
RR Sport (L320)	ABS	2006 - 2009	Vehicle Dynamics Control Module	X	X	X	X				
RR Sport (L320)	Airbag	2006 - 2009	Restraints Control Module	X	X		X				
RR Sport (L320)	Climate Control	2006 - 2009	Heating, Ventilation & Air Con	X	X	X				Black (BA 5080)	
RR Sport (L320)	EPB	2006 - 2009	Park Brake Module	X	X	X	X	X			
RR Sport (L320)	Service Reset	2006 - 2009	Service Reset					X			
RR Sport (L320)	Steering Angle	2006 - 2009	Steering Angle	X	X		X		X		Reset Steering
RR Sport (L320)	Security	2006 - 2009	Body Controller	X	X	X	X			Black (BA 5080)	
RR Sport (L320)	Chassis	2006 - 2009	Ride Level Control Module	X	X	X	X	X			
RR Sport (L320)	Fuel Fired Heater	2006 - 2009	Fuel Fired Heater	X	X	X	X			Black (BA 5080)	
RR Sport (L320)	Diesel EMS	2010	Diesel Engine Management System	X	X	X	X				
RR Sport (L320)	Petrol EMS	2010	Petrol Engine Management System	X	X	X	X				
RR Sport (L320)	Transmission	2010	Transmission	X	X	X	X				
RR Sport (L320)	ABS	2010	Vehicle Dynamics Control Module	X	X	X	X				
RR Sport (L320)	Airbag	2010	Restraints Control Module	X	X		X				
RR Sport (L320)	Climate Control	2010	Heating, Ventilation & Air Con	X	X	X				Black (BA 5080)	
RR Sport (L320)	EPB	2010	Park Brake Module	X	X	X	X	X			
RR Sport (L320)	Body Electrics	2010	Body Electrics	X	X	X	X				
RR Sport (L320)	Service Reset	2010	Service Reset					X			
RR Sport (L320)	Immobiliser (Steering Lock)	2010	Vehicle Immobiliser Module	X			X				
RR Sport (L320)	Chassis	2010	Ride Level Control Module	X	X	X	X				
RR Sport (L320)	Fuel Fired Heater	2010	Fuel Fired Heater	X	X	X	X			Black (BA 5080)	