Software Modules Applicable to Defender (SV)

Here is a list of all our modules that are applicable to the above Model range. Some systems will always be fitted (Mandatory), some are fitted according to model, year or engine type (Alternative) and some are optional (Optional) according to model or customer selection.

Presence of the main control unit signifying the fitting of any given vehicle system in any particular vehicle must be confirmed by running our Vehicle Scan module to diagnostically detect it. On CAN BUS based vehicles from 07 on, the vehicle system control units (Engine management and Instrument pack) are so interconnected and inter dependant that we provide them all under one single software module license / part number. Click on the links below each System Name for more detailed information about the capabilities of each module.

Software Module Part Num	Vehicle System Name	Vehicle System Type	Mandatory, Optional, Alternative	Fitment Qualification
SM001	**Lucas GEMS EMS** https://www.blackbox-solutions.com/shop/help/SM001.html	Engine Management	Alternative 1	V8 North America Spec & 50th Anniversary Models
SM095	**Bosch M52 MS41** https://www.blackbox-solutions.com/shop/help/SM095.html			Petrol. South African Spec Only
SM002	**Lucas Mems EMS 2.0 SP1 DOHC 16V** https://www.blackbox-solutions.com/shop/help/SM002.html			Petrol. Italian Spec Only
SM010	**Lucas TD5 EMS** (note 1) https://www.blackbox-solutions.com/shop/help/SM010.html			All TD5 Diesel
SM008	**Exhaust Gas Recirculation** https://www.blackbox-solutions.com/shop/help/SM008.html		Optional	Diesel '95
SM033	**WABCO D Type ABS/ETC** (note 2) https://www.blackbox-solutions.com/shop/help/SM033.html	Anti-Lock Braking/Traction Control	Optional	All Vehicles '99 Onwards
SM031	**Lucas 10AS Alarm Anti-Theft** https://www.blackbox-solutions.com/shop/help/SM031.html	Alarms/Security	Optional	All Vehicles '99 Onwards
SM133	**Can bus ECU set** https://www.blackbox-solutions.com/shop/help/SM133.html	All ECUs on Can bus	Mandatory	All Vehicles '07 Onwards with 2.4 Engine
	Note 1 This module does not include Flash programming (read / write capabilities which is availiable separately under module SM201			
	Note 2 In the 2012 on models the ABS was replaced by a Lucas system and the 2.4 engine has been replaced with a 2.2 covered by a Siemens ECUwhich are yet to be included in the package			