

Injectronics

TECHNICAL BULLETIN

MERCEDES BENZ – VARIOUS

#T0044

Make: Mercedes Benz

Model: Various

Subject: Fuel system types

From early 1970 some models used Bosch 'D' Jetronic on the 6 cylinder and V8 models. This progressed to the K Jetronic and then later the KE system which was mechanical fuel injection with an electronic control unit to monitor the oxygen sensor, engine temperature, air flow meter position etc to determine the output to the electronic hydraulic actuator. This system also had basic fault code output by way of a changing duty cycle. Injctronics repairs these control units but does not repair mechanical 'K' Jetronic components. The following is a summary of the different fuel injection systems after the basic 'K' Jetronic. All these systems provide fault codes and some also live serial data.

System	Body type	Engine Type	Model / Year
CFI (CIS-E)	201, 107, 117, 124, 126, 129	102 (4 cyl) 1.8/2.0/2.3L	1988 – 1992
	461, 463	103 (6 cyl) 1.6/3.0L	1988 – 1992
		104 (6 cyl 24v) 2.8/3.2L	1989 – 1992
		117 (V8 cyl)	1988 – 1992
LH – SFI	129, 140	119 (V8 cyl 32v)	1989 – 1992
		104 (6 cyl 24v) 3.2L	1990 – 1993
		119 (V8 cyl 32v)	1990 – 1995
HFM – SFI	124, 129, 140, 202, 208, 210	120 (V12 cyl)	1990 – 1995
		111 (4 cyl 16v) 2.2/2.3L	1993 – 1998
		111 (4 cyl 16v) 1.8/2.0L	1996 – 1998
PMS/PEC	124, 202	104 (6 cyl 24v) 2.8/3.2L	1993 – 1996
		111 (4 cyl 16v) 1.8/2.0L	1993 – 1995
ME – SFI	129, 140, 170, 202, 208, 210	104 (6 cyl 24v) 2.8/3.2L -ME2.1	1997 – 1998
		112 (V6 cyl 18v) 2.4/2.8/3.2L -ME2.0	1996 – 1998
		119 (V8 cyl 32v) -ME1	1995 – 1998
		120 (V12 cyl) -ME1R -ME1L	1995 – 1998
IFI	140, 202, 210		

CIS-E (CFI) – Continuous fuel Injection system

ME – Motor electronic control system

LH-SFI – Hot wire fuel injection system

PMS (PEC) – Pressurized engine control

HFM-SFI – Hot film fuel injection / ignition system

IFI – In line fuel injection control Diesel engine

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