A. Basic and national versions, except (CH) (S) up to 1986 and (AUS) (J) (USA)

Engine	103.94	103.94	103.980	103.98	103.98
Version	RÜF NV (RÜF)	KAT (CH) KAT (S) KAT	Std.	RÜF NV (RÜF)	KAT (CH) KAT (S) KAT
Model	124.007/026 124.226 126.020 201.029	124.007/026 124.226 126.020 201.029	124.030	107.041 124.025/030 124.050/090 124.230/290 126.024/025	107.041 124.025/030 124.050/090 124.230/290 126.024/025 129.060
KE designation	KE III	KE III	KE III	KE III	KE III
Compression ratio ε	9.2 (with NV: 8)	9.2	10.0	9.2 (with NV: 8)	9.2
Ignition system	EZL	EZL	EZL	EZL	EZL
EZL resistance trimming plug (R16)	White inscription "EZL-ECE" 015 545 07 28	Green inscription "EZL-KAT" 015 545 08 28	White inscription "EZL" 013 545 78 28	White inscription "EZL-ECE" 015 545 07 28	Green inscription "EZL-KAT" 015 545 08 28
KE resistance trimming plug (R17)	White inscription "ECE" 014 545 70 28	White inscription "KAT" 014 545 71 28	White inscription "KE-E6" 013 545 95 28	White inscription "ECE" 014 545 70 28	White inscription "KAT" 014 545 71 28
Coolant temperature sensor (B11/2)	two 1-pin connections [1])	two 1-pin connections [1])	two 1-pin connections	two 1-pin connections [1])	two 1-pin connections [1])
Start valve actuation	via fuel pump relay up to +15°C, as of model year 1989 up to +60°C	via fuel pump relay up to +15°C, as of model year 1989 up to +60°C	via fuel pump relay up to +60° C	via fuel pump relay up to +15°C, as of model year 1989 up to +60°C	via fuel pump relay[2]) up to +15°C, as of model year 1989 up to +60°C

See next page for footnotes.

Engine	103.94	103.94	103.980	103.98	103.98
Version	RÜF NV (RÜF)	KAT (CH) KAT (S) KAT	Std.	RÜF NV (RÜF)	KAT (CH) KAT (S) KAT
Model	124.007/026 124.226 126.020 201.029	124.007/026 124.226 126.020 201.029	124.030	107.041 124.025/030 124.050/090 124.230/290 126.024/025	107.041 124.025/030 124.050/090 124.230/290 126.024/025 129.060
Idle speed device	Electronic idle speed control with road speed signal [3]	Electronic idle speed control with road speed signal [3]	Electronic idle speed control	Electronic idle speed control with road speed signal [3]	Electronic idle speed control with road speed signal [3]
Idle speed air valve	2-pin connection	2-pin connection	2-pin connection	2-pin connection	2-pin connection
Fault recognition [4]	Fault diagnosis via on/off ratio	Fault diagnosis via on/off ratio	–	Fault diagnosis via on/off ratio	Fault diagnosis via on/off ratio [5]
Exhaust gas recirculation	–	–	–	–	only engine 103.984 and (J) (USA)

[1] As of approx. 09/89 4-pin.
[2] On model 129.060 start valve actuation via engine systems control unit MAS.
[3] As of approx. 03/87.
[4] As of approx. 03/86.
[5] For model 129.060 a fault memory is integrated in the engine systems control unit MAS.

B. National versions (CH) (S) up to 1986 and (AUS) (J) (USA)

(CH) (S) up to 1986

Engine	103.980
Version	(CH) (S)
Model	124.030
KE designation	KE III
Compression ratio ε	10.0
Ignition system	EZL
EZL resistance trimming plug (R16)	White inscription "EZL" 013 545 78 28
KE resistance trimming plug (R17)	White inscription "KE-E6" 013 545 95 28
Coolant temperature sensor (B11/2)	two 1-pin connections
Start valve actuation	via fuel pump relay up to +60°C
Idle speed device	Electronic idle speed control
Idle speed air valve	2-pin connection
Exhaust gas recirculation	Exhaust gas recirculation (ARF) valve with one connection

(AUS) (J) (USA)

Engine	103.940/942 103.981/983	103.940/942 103.981/983/985	103.940/942 103.981/983/985
Version	KAT (AUS)	KAT (J)	KAT (USA)
Model	124.026/030/050 124.090 126.024/025 201.029	124.007/026/030 124.050/090/230 124.290 126.024/025 201.029	124.026/030/050 124.090/230/290 126.024/025 201.029
KE designation	KE III	KE III	KE III [4]
Compression ratio ε	9.2	9.2	9.2
Ignition system	EZL	EZL	EZL
EZL resistance trimming plug (R16/1)	Reference resistor 220 Ω	Reference resistor 750 Ω	Reference resistor 750 Ω
KE resistance trimming plug (R17/1)	2-pin connector with bridge incorporated in cable harness (< 1 Ω)	2-pin connector with bridge incorporated in cable harness (< 1 Ω)	2-pin connector with bridge incorporated in cable harness (< 1 Ω)
Coolant temperature sensor (B11/2)	two 1-pin connections [1]	two 1-pin connections [1]	two 1-pin connections [1]
Start valve actuation	via fuel pump relay up to + 15°C as of model year 1989 up to + 60°C	via fuel pump relay up to + 15°C [2] as of model year 1989 up to + 60°C	via fuel pump relay up to + 15°C [2] as of model year 1989 up to + 60°C
Idle speed device	Electronic idle speed control with road speed signal	Electronic idle speed control with road speed signal	Electronic idle speed control with road speed signal
Idle speed air valve	2-pin connection	2-pin connection	2-pin connection
Fault recognition	Fault diagnosis via on/off ratio	Fault diagnosis via on/off ratio [3]	Fault diagnosis via on/off ratio [3]
Exhaust gas recirculation	–	x	x

1) As of approx. 09/89 4-pin.

2) (J) (USA) as of model year 1990: via engine systems control unit MAS.

3) (J) (USA) as of model year 1990 with fault diagnosis, (USA) California as of model year 1988 fault memory by on-board diagnosis.

4) As of model year 1989 KE V.