Engine 104.980/981 CFI from start of production

Engine		104.980/981
CFI system designation		5.2
On-off ratio/DTC readout (CFI) On-off ratio readout with ignition: ON Engine coolant temperature >80°C Engine coolant temperature <70°C DTC readout, engine at closed throttle	% %	50 30 1 1)
Current at EHA Ignition: ON After start enrichment and warmup After start enrichment at +20 °C engine coolant temperature Warmup base value at+20°C engine coolant temperature Engine coolant temperature +80°C Enrichment during acceleration and at +20°C engine coolant temperature Engine at operating temperature Part load mixture correction	mA mA mA	20 1 - 3; >0 to <8 sec. 0 - 1; >12 to 120 sec. readout oscillates >15 readout oscillates 2 - 4 -40

¹⁾ For test conditions refer to Diagnostic Manual, Engine Vol. 2.

Engine 104 CFI

Engine 104.980/981 CFI from start of production

Engine		104.980/981
CFI system designation		5.2
Ignition timing and dwell Engine speed Ignition timing with vacuum	•	650–750 6 – 10
Engine speed Ignition timing with vacuum Ignition timing without vacuum Dwell Dwell	BTDC BTDC ∡°	3200 34 - 38 21 - 25 24 - 53 40 - 88

Reference Resistor (DI)

Engine	Model	MB Part No.	Ignition adjustment ° CA	Resistance $\Omega/k\Omega$
104.980/981	124/129	015 545 67 28	0	2.4 kΩ

Note: If the reference resitor fails, then the igntion is retarded 3° at wide open throttle.

Engine 104.980/981 CFI from start of production

Engine	104.980/981
CFI system designation	5.2
Closed throttle (idle) Selector lever position/Transmission range Engine oil temperature	P/N D 80 80 650 – 750 <700 600±50 <600
Engine coolant temperature °C Closed throttle warm-up speed rpm Engine coolant temperature °C Closed throttle warm-up speed rpm Vacuum mbar Lambda control ontrol range %	-30 to +25 1100±30 >+25 to +80 declines continuously to 700±50 500 – 650 50±20 ²⁾

²⁾ This value must be measured at idle and at 2500 rpm with the purge line disconnected and plugged.

Engine 104.980/981 CFI from start of production

Engine	104.980/981
CFI system designation	5.2
Engine systems control module (ESCM)	
	7000±50 om 6700±50

Engine	104.980/981
CFI system designation	5.2
Engine performance 4)	
Output, manual transmission, 3rd gear, Model 129	5500 176 158 166

⁴⁾ These are minimum performance values. Do not exceed speed of 80 mph.

Check performance only at simulated engine coolant temperature of 80 °C (use 2 resistance substitution units)