

Engine 102.961 CFI

Engine	102.961
CFI system designation	2
On-off ratio/DTC readout (CFI) On-off ratio readout with ignition: ON Engine coolant temperature >80°C % - Engine coolant temperature <70°C % -	
Current at EHA Ignition: ON mA 75 – 85 ¹⁾ After start enrichment and warmup After start enrichment at +20 °C engine coolant temperature mA 20 – 28 Warmup base value at +20°C engine coolant temperature mA 11 – 15 Engine coolant temperature +80°C mA 7 – 9 Enrichment during acceleration and at +20°C engine coolant temperature mA >15 Engine at operating temperature Part load mixture correction mA readout oscillates Wide open throttle enrichment at 2000 rpm mA 7 – 9 Deceleration fuel shut off approx. mA -60	

1) Connector on engine coolant temperature sensor disconnected.

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Ignition timing and dwell	
Closed throttle (idle) speed	rpm 800±50
Ignition timing with vacuum	BTDC 5
Engine speed	rpm 4500
Ignition timing without vacuum	BTDC 14 – 18 ²⁾
Dwell	∠° 27 – 54
Dwell	% 30 – 60

²⁾ Starting 1984 24-28 °CKA BTDC


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Closed throttle (idle)		
Selector lever position/Transmission range	P/N	D
Engine oil temperature °C approx.	80	80
Closed throttle (idle) speed rpm	850±50	<850
Control range %	25 – 31	<28
..... °	22 – 28	
Vacuum mbar	550 – 650	
Lambda control ontrol range %	2.1 – 4.8 V ³⁾	

³⁾ Disconnect oxygen sensor connector. Read control value (Volt). Readout must not oscillate. Reconnect oxygen sensor connector, readout oscillates. Test value must not deviate more than ±0.8 Volt from the control value.

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Engine performance ⁴⁾		
Engine speed rpm	5200	
Output, manual transmission, 3rd gear hp	88	
Output, 4-speed AT, transmission range 3 hp	83	

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)