

Components Engine Inputs Monitor Introduction

Ce039-01

Components Engine Inputs Monitor Summary

The OBD II system shall monitor for malfunction electronic power–train component/system not otherwise “Catalyst System Monitor, EVAP System Monitor, EGR System, Misfire Detection, etc.”, that provides input to ECM which can affect emissions.

“Component E/G (engine) Input” means as follows:

Analog engine inputs such as MAF sensor, ECT sensor, etc. are checked for lack of circuit continuity, or out of range value, or rationality fault. (Rationality check is evaluation of the signal's rationality in comparison to related information.)

Components Engine Inputs Chart

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Components Engine Inputs	MAF sensor	MAF Sensor Monitor Description	P0100	P0100	Ce-4
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	MAP Sensor	MAF Sensor Range/Performance Monitor Description	P0101	P0101	Ce-6
		MAP Sensor Monitor Description	–	P0105	Ce-12
	IAT Sensor	IAT Sensor Monitor Description	–	P0106	Ce-14
			–	P0110	Ce-16
	ECT Sensor	ECT Sensor Monitor Description	P0110	P0110	Ce-18
			P0112		
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	Throttle Position Sensor (1–Sensor Type)	Throttle Position Sensor Monitor Description	P0115	P0115	Ce-20
			P0117		
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	Throttle Position Sensor (2–Sensor Type)	Throttle Position Sensor Range/Performance Monitor Description	P0116	P0116	Ce-23
			P0125		
			P0120		
	Throttle Position Sensor (1–Sensor Type)	Throttle Position Sensor Monitor Description	P0122	P0120	Ce-32
			P0123		
			P0121		
	Throttle Position Sensor (2–Sensor Type)	Throttle Position Sensor Range/Performance Monitor Description	P0121	P0121	Ce-34
			P0510		
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			P0328			
			P0330	P0330		
			P0332			
			P0333			
	Camshaft Position Sensor	Camshaft Position Sensor Monitor Description	P0340	P0340	Ce-43	
			P0341			
			P1340 (3UZ-FE)			
			P1341 (3UZ-FE)			
	VVT Sensor	VVT Sensor Monitor Description	P0345	P1350	Ce-45	
		VVT Sensor Monitor Description	P0346	P1350	Ce-45	
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			P0348			
			P0340 (3UZ-FE)	P1345		
			P0341 (3UZ-FE)			
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			P0346 (3UZ-FE)			
		Crankshaft Position Sensor Monitor Description	P0335	P0335		Ce-47
				P0336		
			-	P0385 (No. 2)		
	Vehicle Speed Sensor	Vehicle Speed Sensor Monitor Description	P0500	P0500	Ce-50	
		No Signal from Vehicle Speed Sensor Monitor Description	P0717	P1705	Ct-62	
	Starter System	Starter Signal Monitor Description	P0617	-	Ce-52	
	Barometric Pressure Sensor	Barometric Pressure Sensor Monitor Description	-	P1100	Ce-54	
	Accelerator Pedal Position Sensor	Accelerator Position Sensor Monitor Description	P2120	P1120	Ce-56	
			P2122			
			P2123			
			P2125			
			P2127			
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			P2138			
		Accelerator Position Sensor Range/Performance Monitor Description	P2121	P1121	Ce-61	

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			P2103		
		Motor Clutch Monitor Description	P1126	P1126	Ce-71
		ETCS Power Source Monitor Description	P2118	P1127	Ce-73
		Motor Lock Monitor Description	P2111	P1128	Ce-75
			P2112		
		ETCS Monitor Description	P2119	P1129	Ce-77
	Sub-throttle Position Sensor	Sub-throttle Position Sensor Monitor Description	–	P1400	Ce-79
		Sub-throttle Position Sensor Range/Performance Monitor Description	–	P1401	Ce-81
	Brake Switch	Brake Switch "B" Circuit High Monitor Description	P0724	P1520	Ct-97
	ECM	ECM Power Supply Monitor Description	P0560	P1600	Ce-83
		Knock Control Module Monitor Description	–	P1605	Ce-85
		ECM Monitor Description	P0604	P1633	Ce-87
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	Transmission Control ECU (SMT)	Transmission Control ECU Monitor Description	P1646	P1647	Ce-89