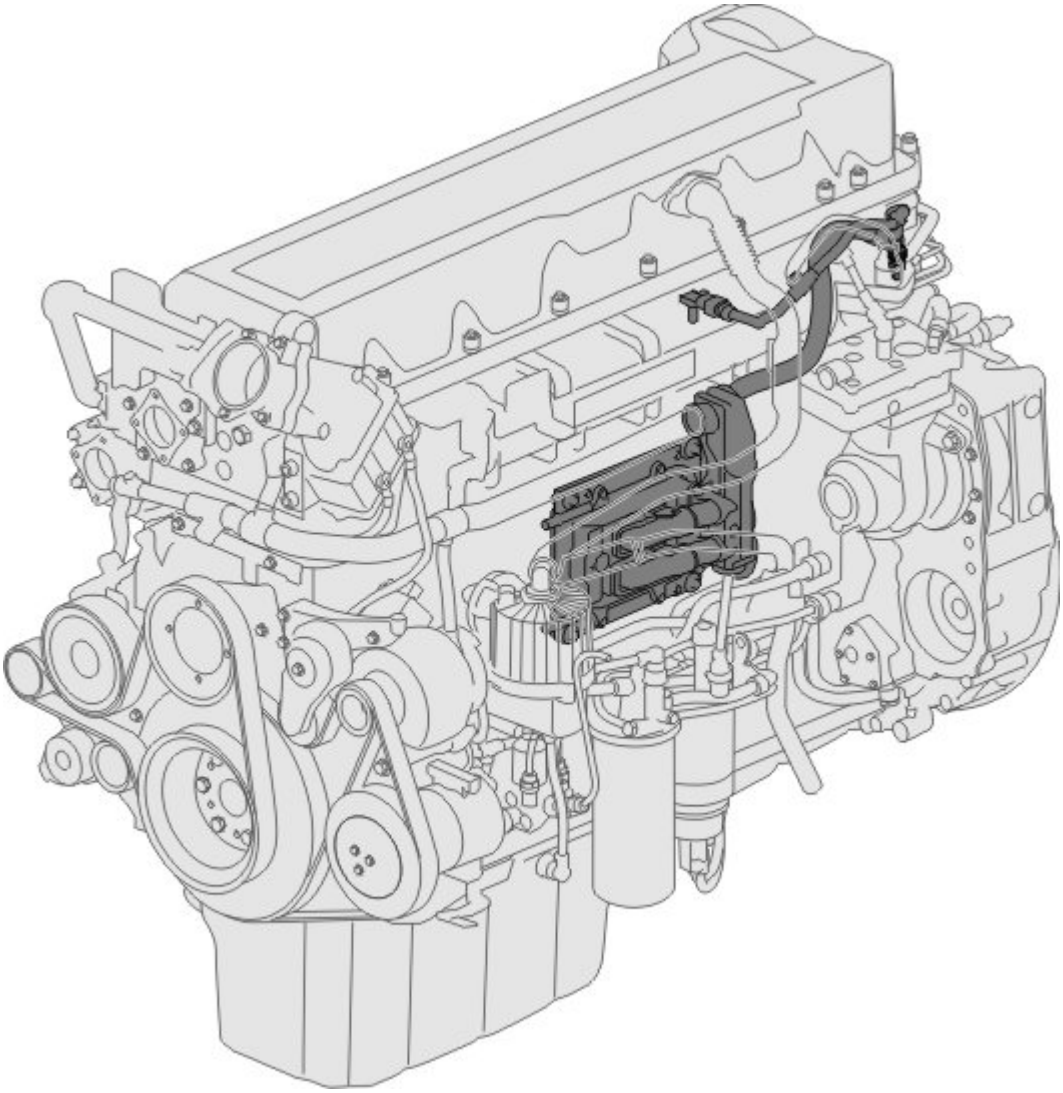
P0105 - Manifold Absolute Pressure/Barometric Pressure Sensor



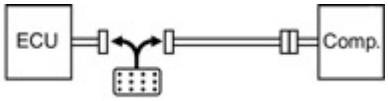
Fault type	Condition for Fault	Observable Symptoms	Possible cause
P0105 FTB13	• The voltage at pin A14.EA:22 is less than 0.16V.	• Low power. • The charge pressure gauge shows 0 in the instrument.	• Wiring harness. • Charge pressure and temperature sensor. • Connector.

Voltage measurement



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Supply Voltage	On	1– 3	B37:1– B37:3	U = 4.75 V – 5.25 V		9990216, 88890074

Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Signal Voltage	On	1– 4	B37:1– B37:4	U = 0.8 V – 1.2 V (Engine not running)		9990216, 88890074



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Supply Voltage	On	11– 7	A14.EA:11– A14.EA:7	U = 4.75 V – 5.25 V		9998699, 9990014, 88890074
Signal Voltage	On	11– 22	A14.EA:11– A14.EA:22	U = 0.8 V – 1.2 V (Engine not running)		9998699, 9990014, 88890074

Resistance measurement



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Short Circuit / Open Circuit	Off	1– 11, 3 – 7, 4 – 22	B37:1– A14.EA:11, B37:3– A14.EA:7, B37:4– A14.EA:22	R = <10 Ω		9998699, 9990014, 9990216