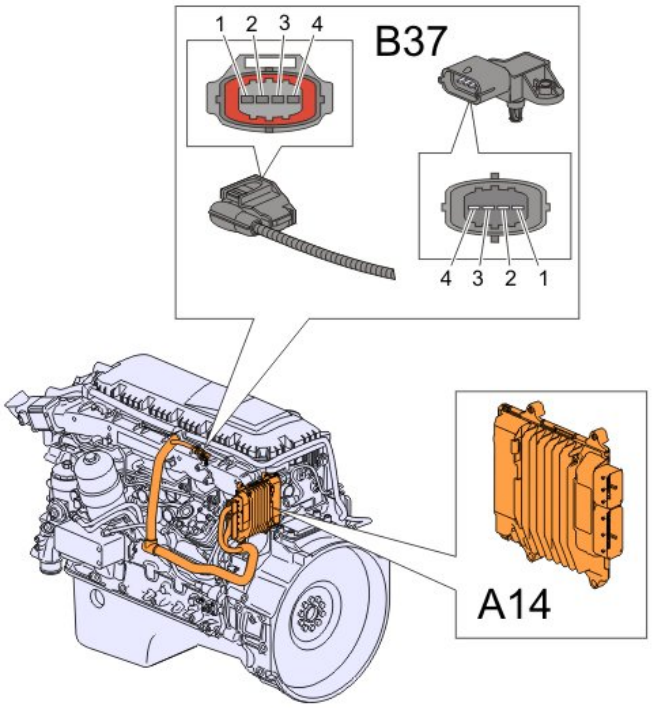
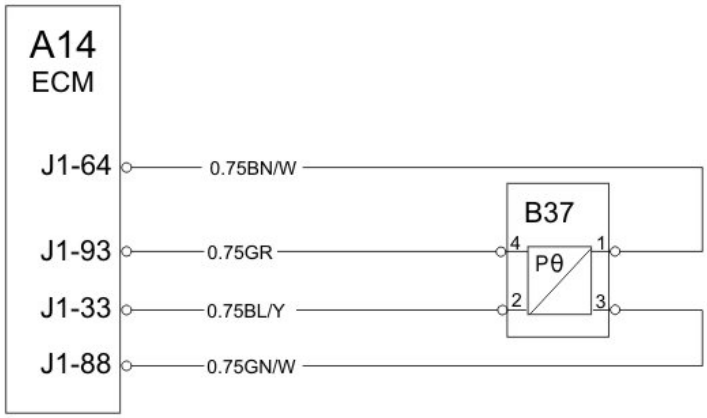
P0069 - Manifold Absolute Pressure - Barometric Pressure Correlation

B37: Charge pressure and temperature sensor.	Schematics:
	 A14.J1:64 - B37:1 Ground wire A14.J1:93 - B37:4 Signal wire, Charge air pressure sensor A14.J1:33 - B37:2 Signal wire, Charge air temperature sensor A14.J1:88 - B37:3 Supply wire (5V)

Fault type	Condition for Fault	Observable Symptoms	Possible cause
P0069 FTB 64	• The sensor signal is not rational. • Not rational pressure compared to atmospheric pressure and crankcase pressure.	• Low power. • Black smoke.	Charge pressure and temperature sensor.

Basic ckeck.

Purpose	Action	Evaluation
Check wiring Harness	• Visually check that wiring harness is not damaged	None

Connector check.

Purpose	Action	Evaluation
Check connector B37.	• Check that the connectors are properly connected and locked into position • Disconnect and check the component connector • Inspect pins and terminals for oxidations or corrosion • Ensure that the pins and terminals are locked into the connectors and that they are not pushed back out of the sockets • Check the pins and terminal are not damaged (which can cause poor connection) • Carefully insert the correct test pin from special tool 9990008 and verify that pin connections are in good condition	None

Connect TECHTOOL to the vehicle and measure the inlet manifold pressure.

Verification:

Purpose:	Conditions:	Evaluation:
Verification.	• Warm engine. • The test should be performed at idle speed.	• If the fault code is not set during the verification the fault may be corrected. • The status of the diagnostic process in the control unit can not be tested without communication with the vehicle. • The fault code may appear later when the vehicle has been returned to service.