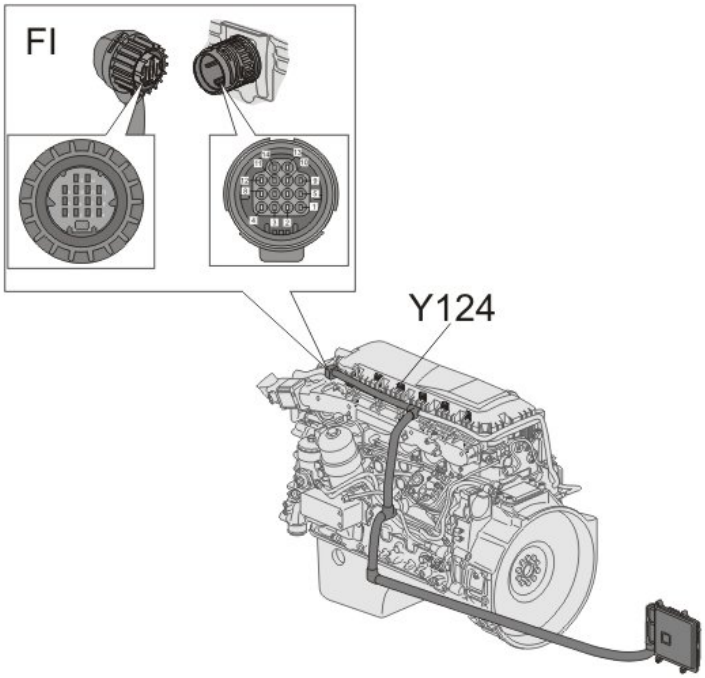
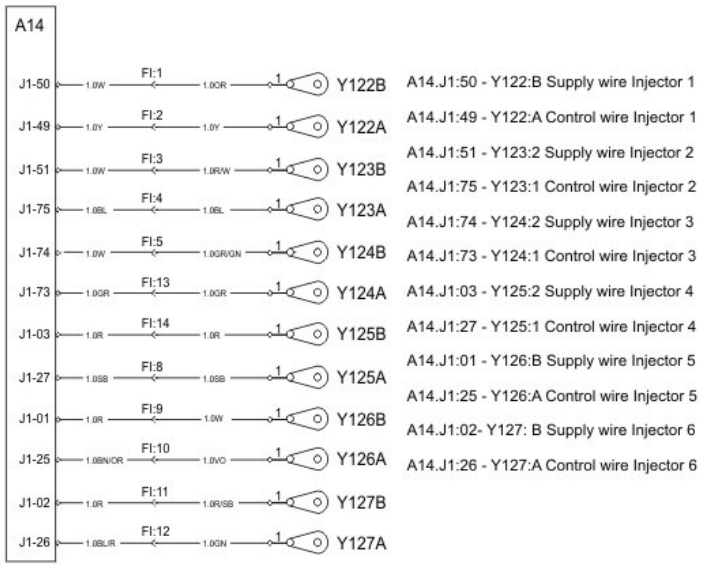
P0268 - Injector 3 Short Circuit High

Y124: Injector.	Schematics:
	

Fault type	Condition for Fault	Observable Symptoms	Possible cause
P0268 FTB 00	Injector Activated.	• Low power. • Abnormal noise. • Uneven operation. • Engine is operating on only 5 cylinders.	• Connector. • Wiring harness. • Nozzle.

Basic check:

Visual wiring harness check:

Purpose:	Action:	Evaluation:
Check the wiring harness.	Visually check that wiring harness is not damaged.	None.

Connector check:

Purpose:	Action:	Evaluation:
Check connector A14 J1 — J2 & FI.	• 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.	

Test instruction:

Purpose:	Action:	Evaluation:
Check wiring harness and connector.	• Remove the valve cover. • Check the wiring harness. *Note: Do not put the valve cover back until you have completed the fault tracing.*	None.

Resistance measurement



Measurement	Key position	Measurement points		Expected Value	Measured value	Other (Special Tool PN)
		Breakout box	Wiring diagram			
Short circuit between wires	OFF	B:11 — All other pins at connectors J1 and J2	A14:J1-73 — All other pins at connectors J1 and J2	R = Open Circuit ***Disconnect FI connector***		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	B:12 — B:11	A14:J1:74 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	A:50 — B:11	A14:J1:50 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	A:51 — B:11	A14:J1:51 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	A:01 — B:11	A14:J1:01 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	A:03 — B:11	A14:J1:03 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62
Short circuit between wires	OFF	A:02 — B:11	A14:J1:02 — A14:J1:73	R = Open Circuit		88890074, 9998699, 88890227, 9990061/62

Connect TECHTOOL to the vehicle run ***23712 — 2 injectors shut off manual*** operation.

Verification:

Purpose:	Action:	Evaluation:
Verification.	**1.** • Ignition key in OFF position. • Wait 5 seconds. • Ignition key in ON position. **2.** • Run the engine for 30 seconds.	• 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.