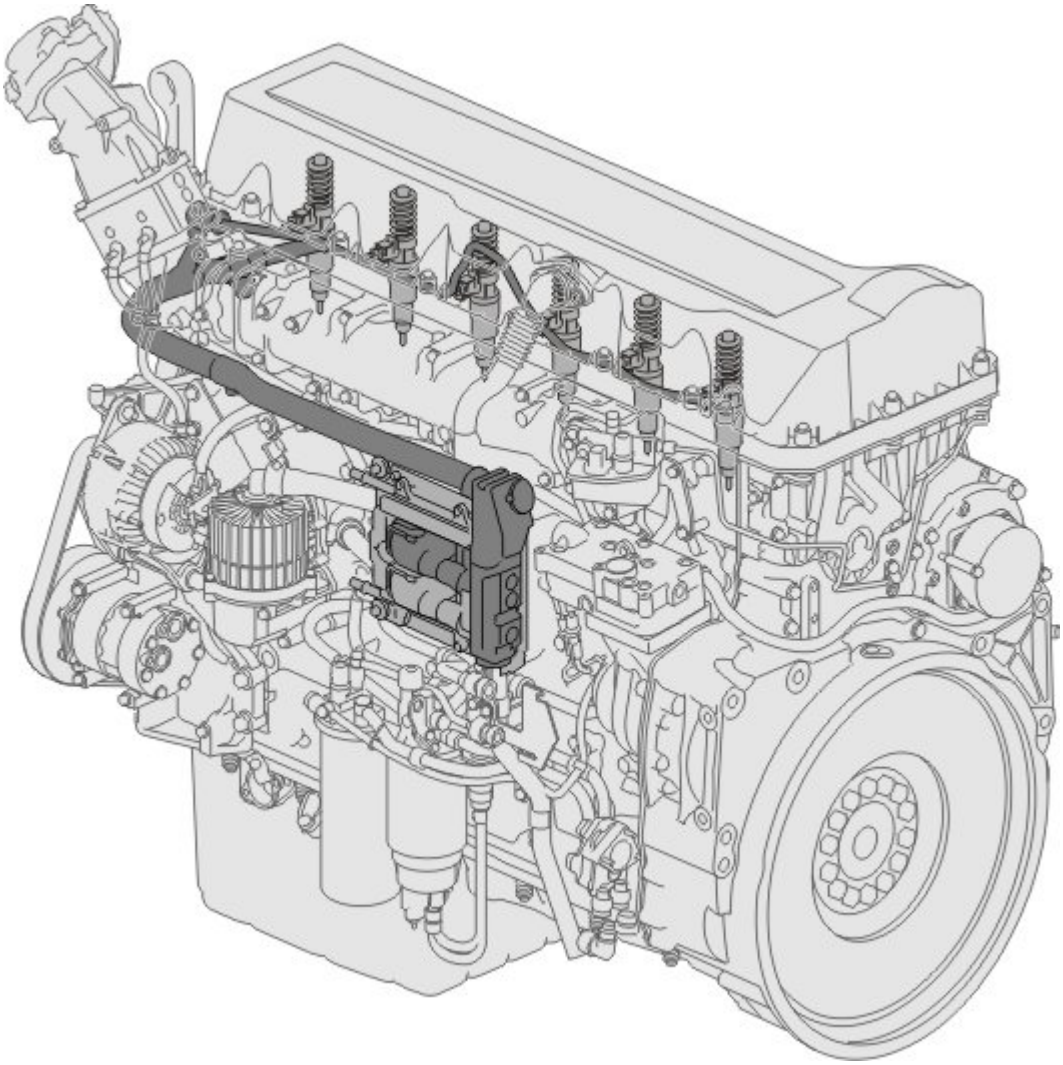
P0271 - Injector 4 Short Circuit High



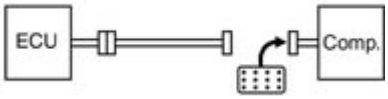
Fault type	Condition for Fault	Observable Symptoms	Possible cause
P0271 FTB00	• Unit injector activated. • Short circuit to voltage supply.	• Low power. • Engine runs unevenly or misfires. • Abnormal noise. • Engine is operating on only 3 or 5 cylinders.	• Connector. • Wiring harness. • Injector. • Engine control module (ECM).

Resistance measurement



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			

Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Short Circuit / Open Circuit	Off	1 – 61, 2 – 52, 3– 60, 4 – 56	Y33.4:1 – A14.EA:61, Y33.4:2 – A14.EA:52, Y33.4:3 – A14.EA:60, Y33.4:4 – A14.EA:56	R = <10 Ω		88890085, 9990014, 88890039



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Component resistance	Off	1 – 2	Y33.4:1 – Y33.4:2	R = >=1.5 Ω – <=3.5 Ω		88890085, 88890074
Component resistance	Off	3 – 4	Y33.4:3 – Y33.4:4	R = >=1.5 Ω – <=3.5 Ω		88890085, 88890074