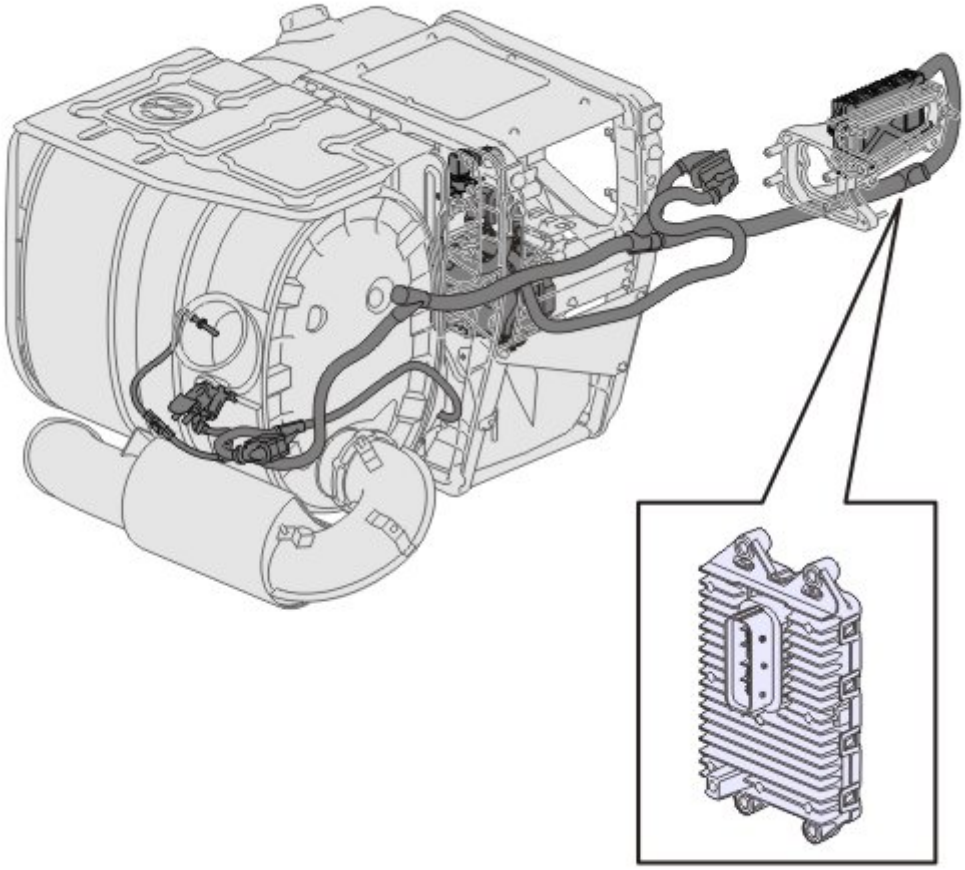
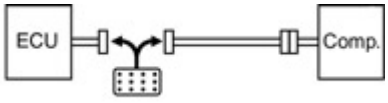


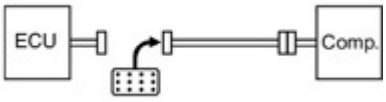
Fault type	Condition for Fault	Observable Symptoms	Possible cause
P0659 FTB 00	• The voltage at pin A174:A16 is above normal value	• None.	• Wiring harness. • Connector. • M49: Aftertreatment AdBlue return valve. • A174: Aftertreatment Control Module (ACM).

Voltage Measurement:



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Supply voltage check	ON	60 – 61	A174.A:60 – A174.A:61	V = 20 V - 30 V		88890074, 9990014, 9998699
Supply voltage check	ON	3 – 61	A174.A:3 – A174.A:61	V = 20 V - 30 V		88890074, 9990014, 9998699

Resistance Measurement:



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Ground check	Off	55 – Chassis ground point.	A174.A:55 – Chassis ground point.	R = 0 Ω – 5 Ω		88890074, 9990014, 9998699
Ground check	Off	58 – Chassis ground point.	A174.A:58 – Chassis ground point.	R = 0 Ω – 5 Ω		88890074, 9990014, 9998699
Ground check	Off	61 – Chassis ground point.	A174.A:61 – Chassis ground point.	R = 0 Ω – 5 Ω		88890074, 9990014, 9998699
Short circuit to battery voltage Check	Off	16 – 3	A174.A:16 – A174.A:3	R = Open circuit		88890074, 9990014, 9998699



Measuring	Key position	Measurement points		Reference value	Measured value	Other (Special tool No.)
		Breakout box	Wiring diagram			
Short circuit to battery voltage Check	Off	16 – All other pins at connector A174	A174.A:16 – All other pins at connector A174	R = Open circuit		88890074, 9990014, 9998699

- Check that the fuse FA2 is free from faults and its supply wire having voltage (20 V - 30 V).
- Check that the fuse F38 is free from faults and its supply wire having voltage (20 V - 30 V).