

DTC

P1670

CORRECTION RESISTANCE MALFUNCTION

CIRCUIT DESCRIPTION

The correction system corrects a small imbalance in the performance of the injectors.

DTC No.	DTC Detection Condition	Trouble Area
P1670	Open or short in injector circuit (2-trip detection logic)	<ul style="list-style-type: none"> Injector correction resistance circuit Injector correction resistance (built into injector) ECM

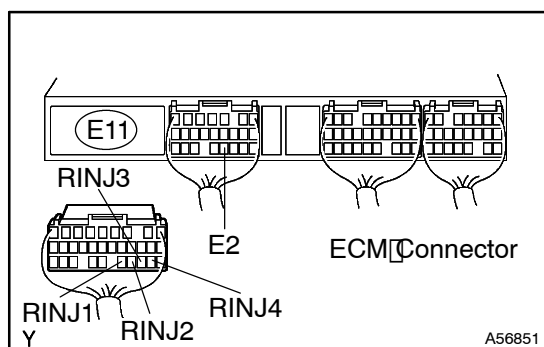
WIRING DIAGRAM

Refer to DTC P0200 on page 05-499.

INSPECTION PROCEDURE

Read freeze frame data using the Intelligent Tester II. Freeze frame data record the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, and other data from the time the malfunction occurred.

1 INSPECT ECM



- (a) Disconnect the E11 ECM connector.
 (b) Measure the resistance between the terminals of the ECM connector.

Standard:

Tester Connection	Specified Condition
RINJ1 (E11-26) - E2 (E11-20)	30 to 9,600 Ω at 20°C (68°F)
RINJ2 (E11-25) - E2 (E11-20)	
RINJ3 (E11-24) - E2 (E11-20)	
RINJ4 (E11-23) - E2 (E11-20)	

- (c) Reconnect the ECM connector.

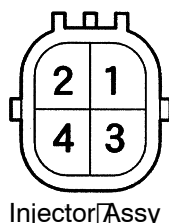


REPLACE ECM (See page 10-30)

NG

2 INSPECT INJECTOR ASSY

Component Side:



- (a) Disconnect the I5, I6, I7 and I8 injector connectors.
 (b) Measure the resistance between the terminals of each injector connector.

Standard:

Tester Connection	Specified Condition
3 - 4	30 to 9,600 Ω at 20°C (68°F)

- (c) Reconnect the injector connectors.

NG

REPLACE INJECTOR ASSY
 (See page 11-22 of Pub. No. RM864E AVENSIS
 VERSO/ PICNIC REPAIR MANUAL)

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR

AVENSIS/VERSO/PICNIC Supplement (RM1032E)