

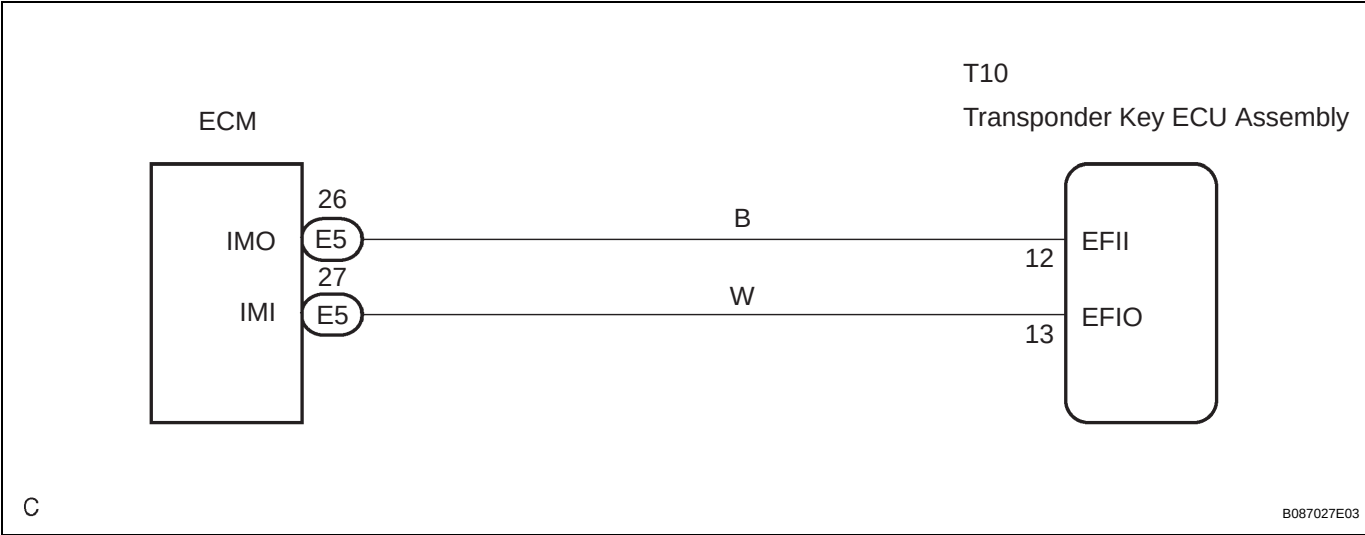
DTC	B2799	Engine Immobiliser System Malfunction
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DESCRIPTION

This DTC is output when: 1) the ECM detects errors in its own communications with the transponder key ECU assembly; 2) the ECM detects errors in the communication lines; and 3) the communication ID between the transponder key ECU assembly and the ECM is different and an engine start is attempted. Before troubleshooting for this DTC, make sure no transponder key ECU assembly DTCs are present. If any DTC for the transponder key ECU assembly is present, repair it first.

DTC No.	DTC Detection Condition	Trouble Area
B2799	- Error in communication between ECM and transponder key ECU assembly, and in communication line - Different communication ID is used for communication between transponder key ECU and ECM	- Wire harness - Transponder key ECU assembly - ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1	RE-REGISTER ECU COMMUNICATION ID
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- (a) Re-register the ECU communication ID (See page EI-6) between the transponder key ECU assembly and ECM.
- (b) Check that the engine starts.

OK:

The engine starts.

OK	END
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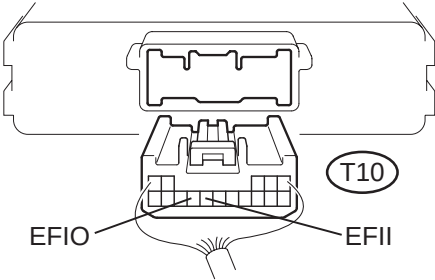


2

CHECK HARNESS AND CONNECTOR

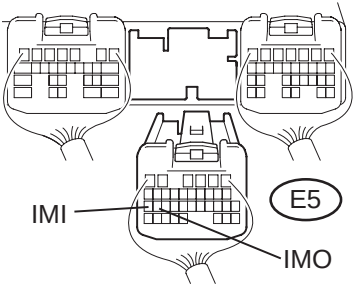
Transponder Key ECU Assembly:

Wire Harness Rear View:



ECM:

Wire Harness Rear View:



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B120165E01

- (a) Disconnect the T10 ECU and E5 ECM connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
T10-12 (EFII) - E5-26 (IMO)	Always	Below 1 Ω
T10-13 (EFIO) - E5-27 (IMI)	Always	Below 1 Ω
T10-12 (EFII) - Body ground	Always	10 kΩ or higher
T10-13 (EFIO) - Body ground	Always	10 kΩ or higher

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

3

CHECK TRANSPONDER KEY ECU ASSEMBLY

- (a) After replacing the transponder key ECU assembly with a normally functioning transponder key ECU assembly, check that the engine starts.

OK:
The engine starts.

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REPLACE ECM

OK

END