

DTC	B2799	ENGINE IMMOBILIZER SYSTEM MALFUNCTION
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CIRCUIT DESCRIPTION

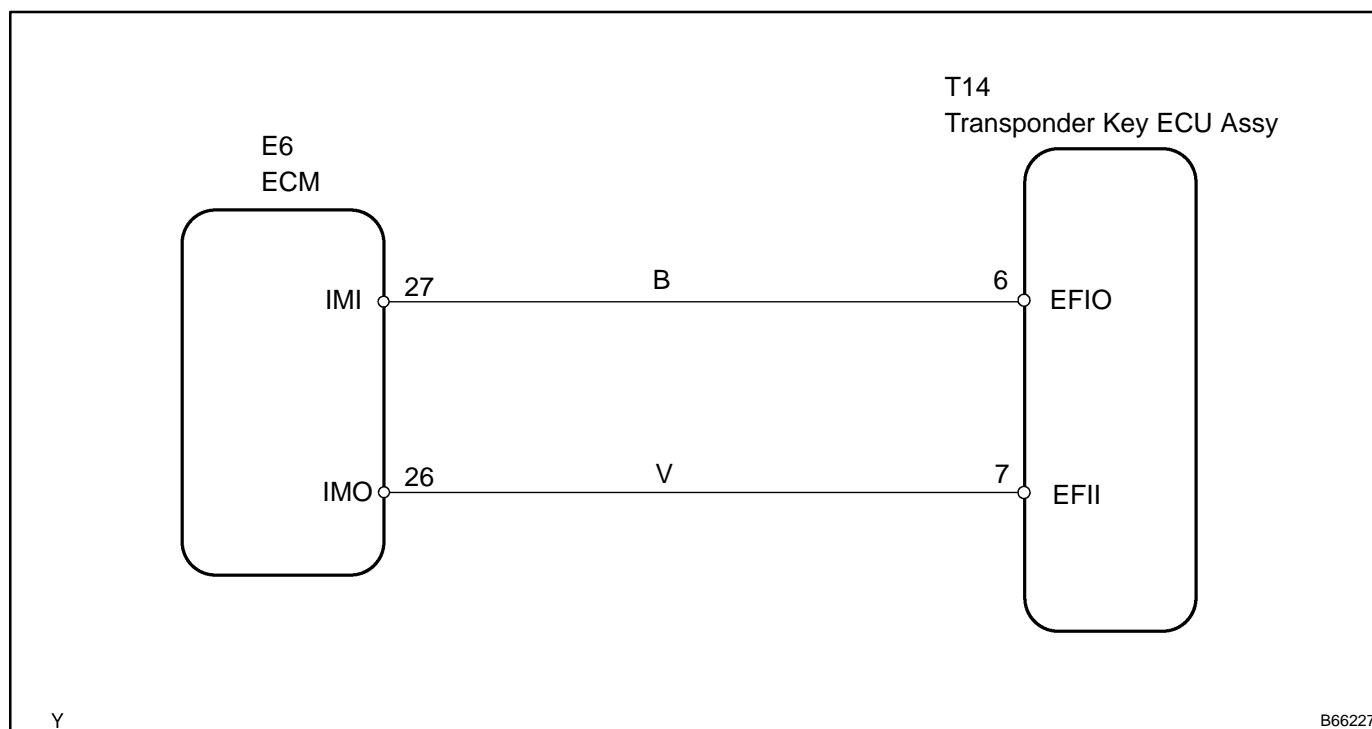
This DTC is output when the ECM detects errors in communication between the transponder key ECU Assy and the ECM, or in the communication lines.

This DTC is also output when an engine start is attempted while the ECU communication ID between the transponder key ECU Assy and the ECM is different.

Before troubleshooting for this DTC, make sure that there is no DTC detected in the transponder key ECU. If there is a key code-related DTC detected in the transponder key ECU Assy, repair it first.

DTC No.	DTC Detection Condition	Trouble Area
B2799	<ul style="list-style-type: none"> Error in communication between ECM and transponder key ECU Assy, and in communication line Communication ID is different during communication with transponder key ECU 	<ul style="list-style-type: none"> Wire harness Transponder key ECU Assy Transponder key amplifier ECM

WIRING DIAGRAM

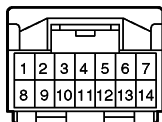
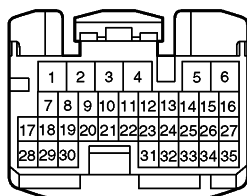


INSPECTION PROCEDURE

**1 CHECK WIRE HARNESS (TRANSPONDER KEY ECU ASSY - ECM)
(TRANSPONDER KEY ECU ASSY OR ECM - BODY GROUND)**
Wire Harness Side

T14

Transponder Key ECU Assy

E6
ECM

Y B66220

B66229

- (a) Disconnect the T14 ECU and E6 ECM connectors.
 (b) Measure the resistance between the wire harness side connectors.

Standard:

Symbols (Terminal No.)	Specified Condition
EFIO (T14-6) - IMI (E6-27)	Below 1 Ω
EFII (T14-7) - IMO (E6-26)	Below 1 Ω

- (c) Measure the resistance between the T14 or E6 wire harness side connector and the body ground.

Standard:

Symbols (Terminal No.)	Specified Condition
EFIO (T14-6) or IMI (E6-27) - Body ground	10 k Ω or higher
EFII (T14-7) or IMO (E6-26) - Body ground	10 k Ω or higher

OK

**REPAIR OR REPLACE HARNESS AND
CONNECTOR**

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2 CHECK OPERATION OF TRANSPONDER KEY AMPLIFIER

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

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REPLACE TRANSPONDER KEY ECU ASSY

OK

NORMAL (TRANSPONDER KEY AMPLIFIER DEFECTIVE)