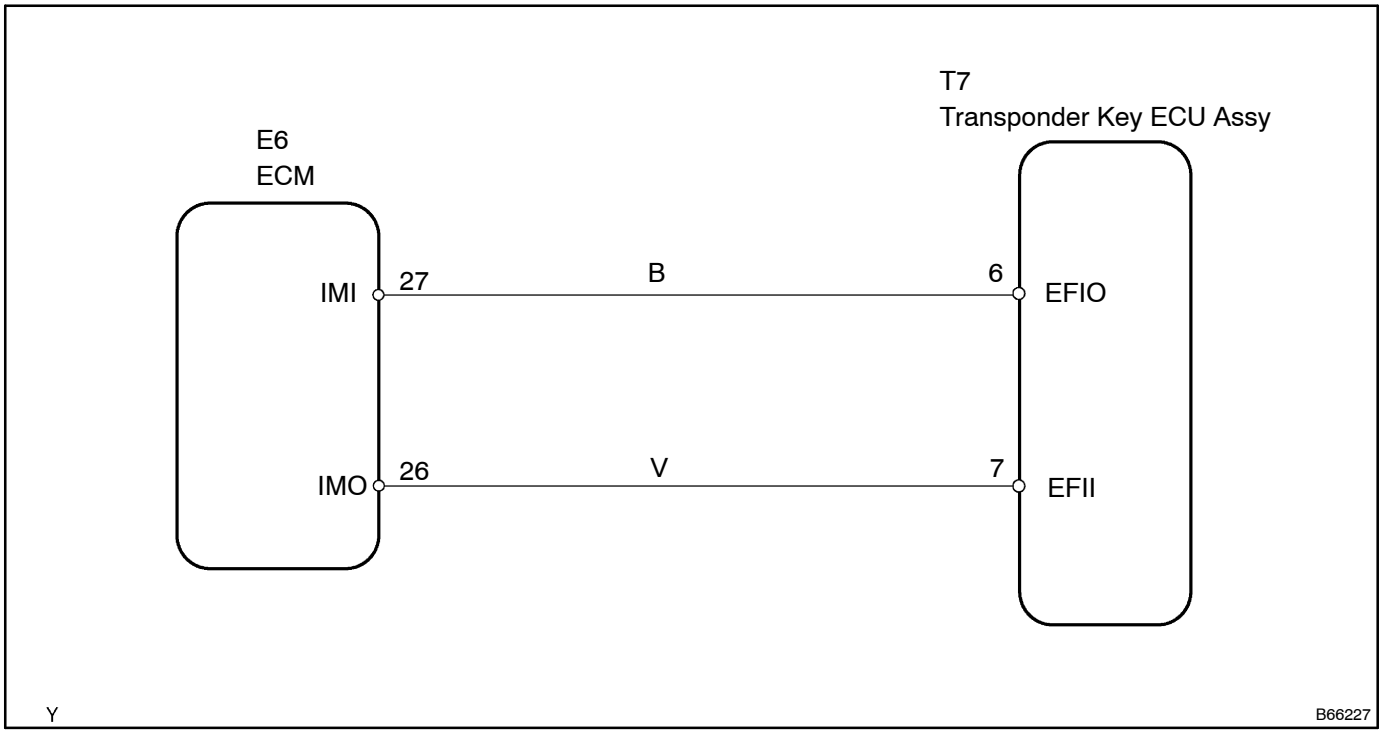
DTC	B2799	ENGINE IMMOBILIZER SYSTEM MALFUNCTION

CIRCUIT DESCRIPTION

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

DTC No.	DTC Detection Condition	Trouble Area
B2799	• Error in communication between ECM and transponder key ECU, and in communication line • Communication ID is different during communication with transponder key ECU	• Wire harness • Transponder key ECU assy • Transponder key amplifier • ECM

WIRING DIAGRAM

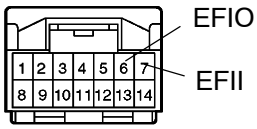


INSPECTION PROCEDURE

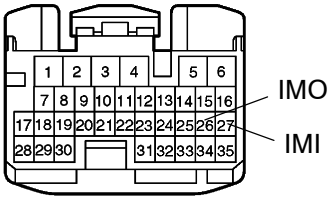
1	CHECK WIRE HARNESS (TRANSPONDER KEY ECU ASSY – ECM)

Wire Harness Side

T7
Transponder Key ECU Assy



E6
ECM



Y B66220 B66229

(a) Disconnect the T7 ECU and E6 ECM connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
EFIO (T7–6) – IMI (E6–27)	Below 1 Ω
EFII (T7–7) – IMO (E6–26)	Below 1 Ω
EFIO (T7–6) or IMI (E6–27) – Body ground	10 kΩ or higher
EFII (T7–7) or IMO (E6–26) – Body ground	10 kΩ or higher

NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

REPLACE ECM