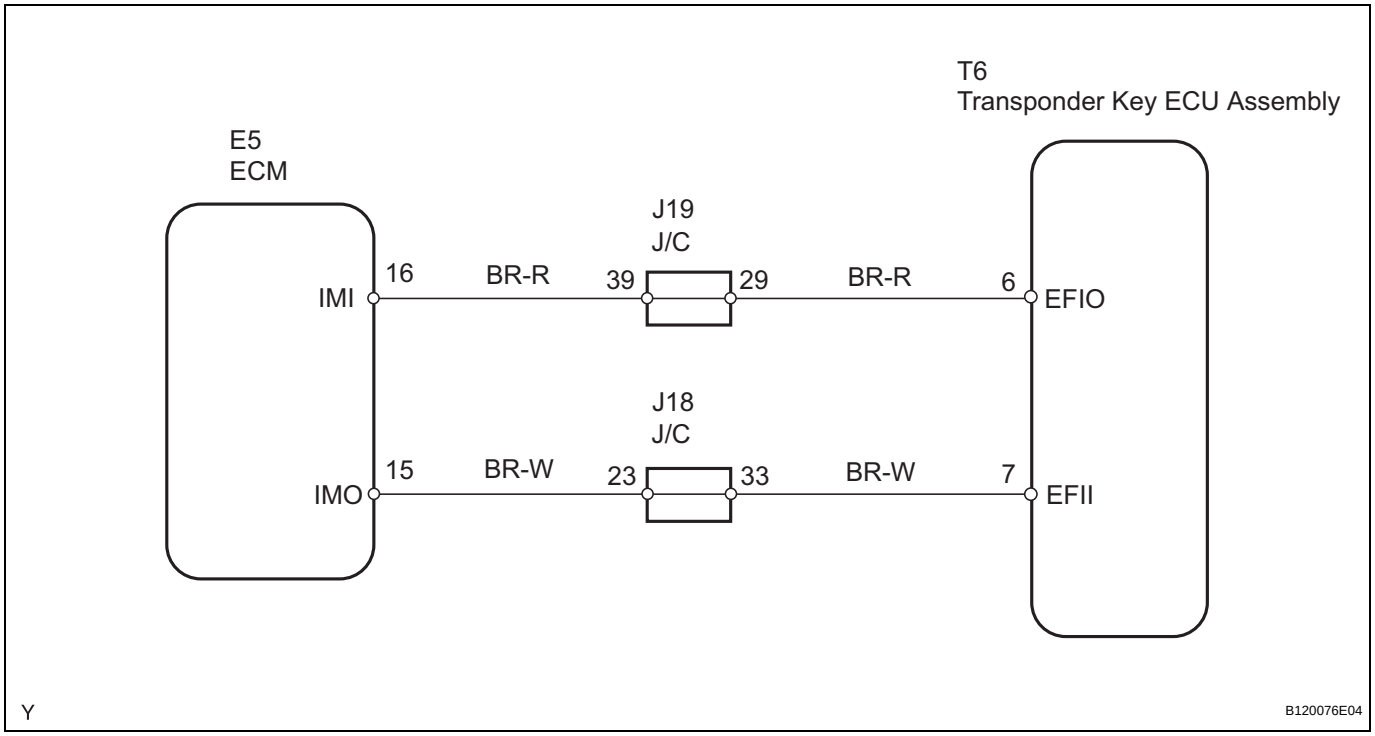
DTC	B2799	Engine Immobiliser System Malfunction

DESCRIPTION

This DTC is output when the ECM detects errors in communication between the transponder key ECU 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 and the ECM are different. Before troubleshooting for this DTC, make sure that there is no DTC detected in the transponder key ECU. If there is key code-related DTC detected in the transponder key ECU, repair it first.

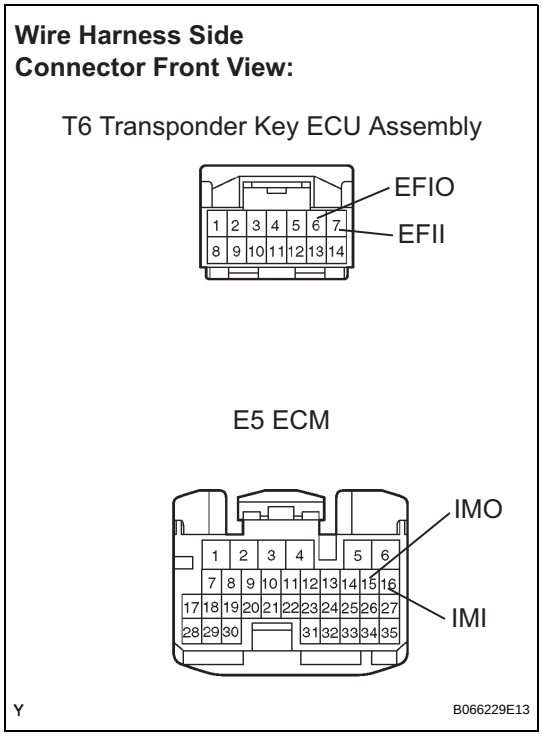
DTC No.	DTC Detection Condition	Trouble Area
B2799	• Error in communication between ECM and transponder key ECU, and in communication line • Communication ID is different during communication with transponder key ECU	• Wire harness • Transponder key ECU assembly • Transponder key amplifier • ECM

WIRING DIAGRAM



INSPECTION PROCEDURE

1 CHECK HARNESS AND CONNECTOR (TRANSPONDER KEY ECU ASSEMBLY - ECM)



(a) Disconnect the T6 ECU and E5 ECM connectors.
(b) Check the resistance of the wire harness side connectors.

Resistance

Tester Connection	Specified Condition
T6-6 (EFIO) - E5-16 (IMI)	Below 1 Ω
T6-7 (EFII) - E5-15 (IMO)	
T6-6 (EFIO) - Body ground	10 kΩ or higher
T6-7 (EFII) - Body ground	

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

OK

2 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.

NG → **REPLACE ECM**

OK

END