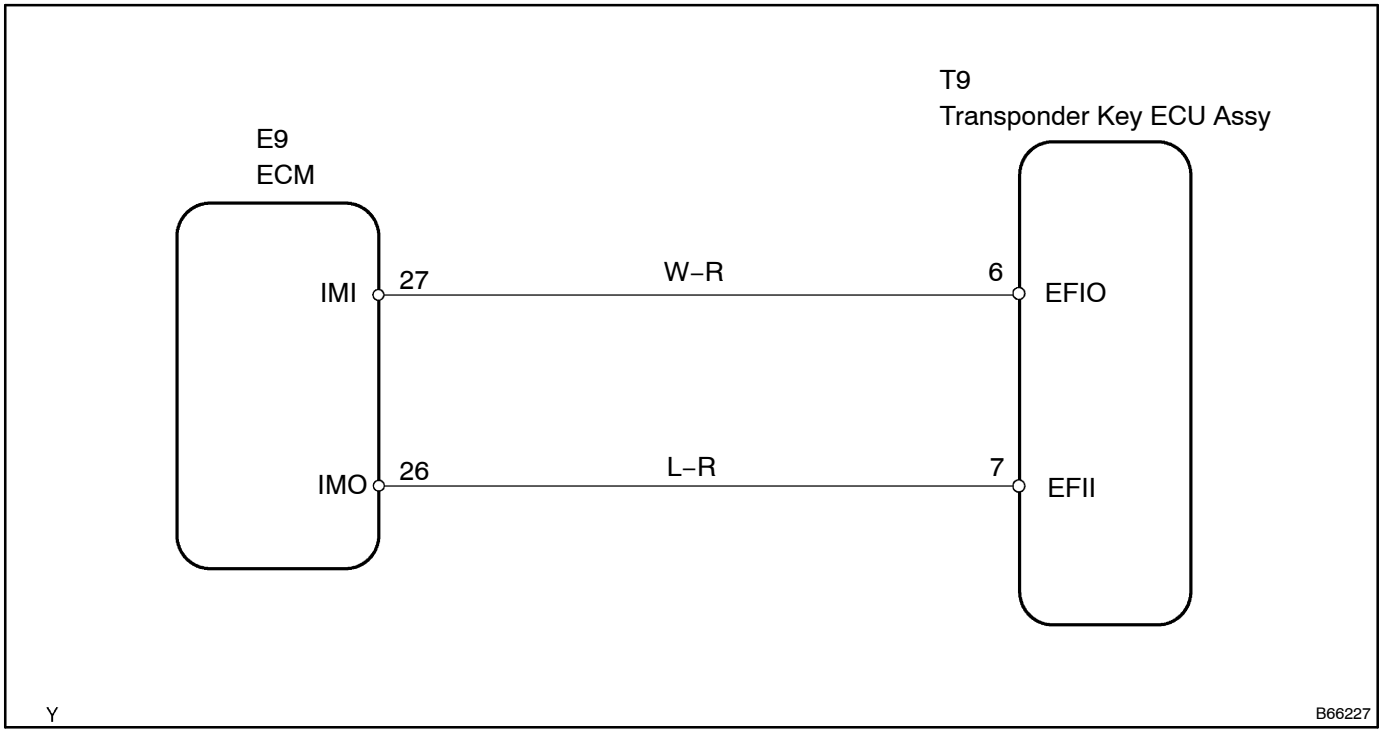
DTC	B2799	ENGINE IMMOBILISER SYSTEM MALFUNCTION

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 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 assy, repair it first.

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

WIRING DIAGRAM

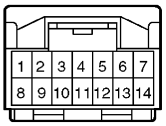


INSPECTION PROCEDURE

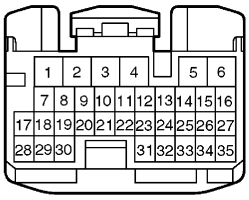
1	CHECK WIRE HARNESS (TRANSPONDER KEY ECU ASSY ⇔ ECM) (TRANSPONDER KEY ECU ASSY OR ECM ⇔ BODY GROUND)

Wire Harness Side

T9
Transponder Key ECU Assy



E9
ECM



Y B66220 B66229

(a) Disconnect the T9 ECU and E9 ECM connectors.
(b) Check the continuity between the wire harness side connectors.
Standard:

Symbols (Terminal No.)	Specified Condition
EFIO (T9–6) ⇔ IMI (E9–27)	Continuity
EFII (T9–7) ⇔ IMO (E9–26)	Continuity

(c) Check the continuity between the T9 or E9 wire harness side connector and the body ground.
Standard:

Symbols (Terminal No.)	Specified Condition
EFIO (T9–6) or IMI (E9–27) ⇔ Body ground	No continuity
EFII (T9–7) or IMO (E9–26) ⇔ Body ground	No continuity

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

OK

2	CHECK OPERATION OF TRANSPONDER KEY AMPLIFIER

(a) After replacing the transponder key amplifier, check that the engine starts.

NG → **NORMAL (TRANSPONDER KEY AMPLIFIER DEFECTIVE)**

OK

REPLACE TRANSPONDER KEY ECU ASSY