

DTC**B2795****Unmatched Key Code****DESCRIPTION**

This DTC is output when a key with a key code that has not been registered in the ECU is inserted into the ignition key cylinder.

DTC No.	DTC Detection Condition	Trouble Area
B2795	Key with unregistered key code is inserted	Key

INSPECTION PROCEDURE**EI****1****RE-REGISTER KEY**

- (a) Delete the DTC. (See page [EI-17](#)).
- (b) Re-register the key (See page [EI-6](#)), and check that the engine starts with the key.

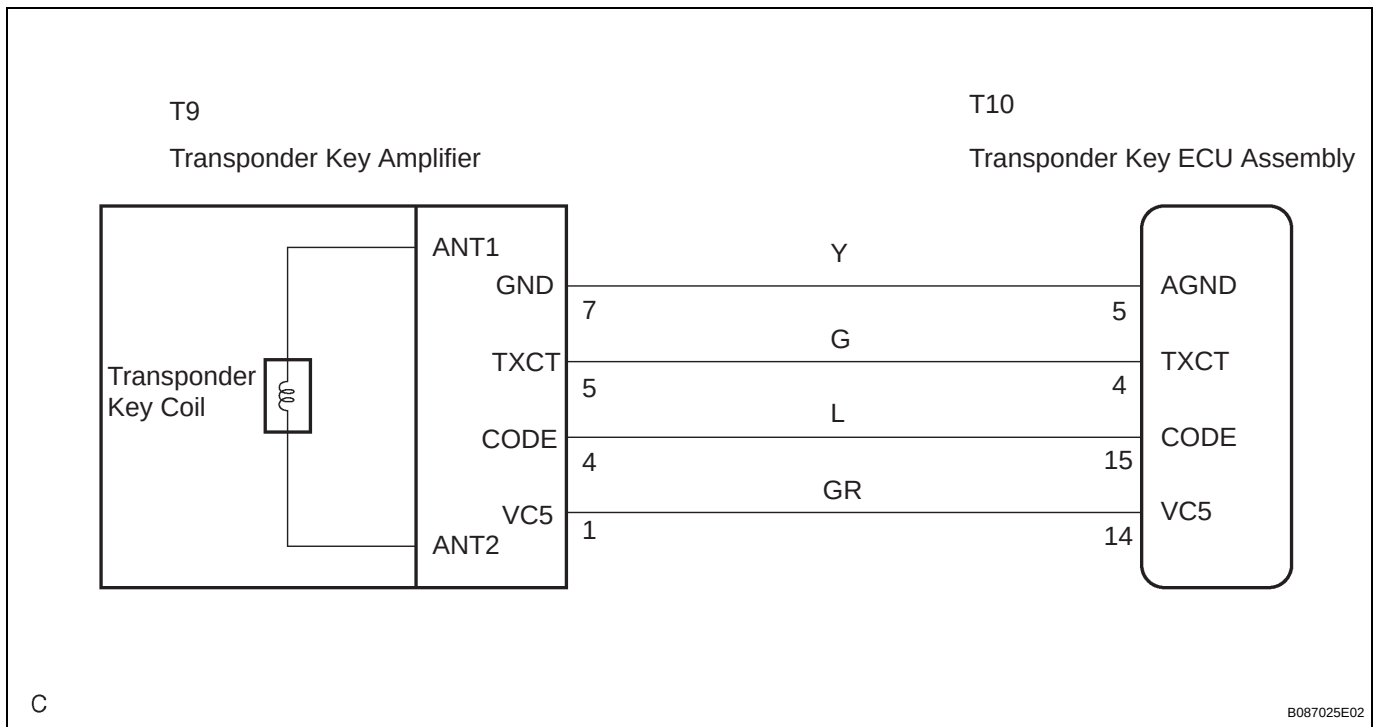
OK:**The engine starts.****NG****REPLACE KEY****OK****END**

DTC	B2796	No Communication in Immobiliser System
DTC	B2798	Communication Malfunction No. 2

DESCRIPTION

These DTCs are output when a key that does not have a transponder chip is inserted into the ignition key cylinder or if communication between the key and transponder key ECU assembly is not possible.

DTC No.	DTC Detection Condition	Trouble Area
B2796	No communication	• Key • Wire harness • Transponder key amplifier • Transponder key ECU assembly
B2798	Communication error	• Key • Wire harness • Transponder key amplifier • Transponder key ECU assembly

WIRING DIAGRAM**INSPECTION PROCEDURE**

1	READ VALUE OF INTELLIGENT TESTER
----------	---

- Connect the intelligent tester to the Controller Area Network Vehicle Interface Module (CAN VIM). Then connect the CAN VIM to the DLC3.
- Turn the ignition switch ON with a key that cannot start the engine.

- (c) Read the DATA LIST according to the display on the tester.

Transponder key ECU:

Item	Measurement Item/ Display (Range)	Normal Condition	Diagnostic Note
IMMOBILISER	Immobiliser system status /SET or UNSET	UNSET: Without key SET: Ignition switch ON	-

OK:

"SET" (Ignition switch ON) appears on the screen.

OK

REPLACE TRANSPONDER KEY ECU ASSEMBLY

EI

NG

2

CHECK KEYS

- (a) Check if the engine starts with the vehicle's other keys.

OK:

The engine starts.

OK

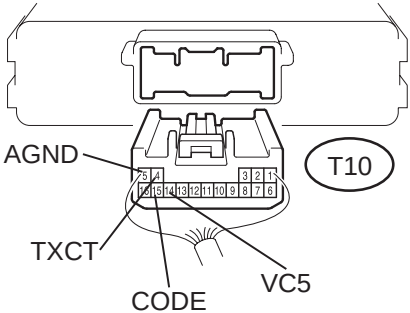
RE-REGISTER OR REPLACE KEY

NG

3 CHECK HARNESS AND CONNECTOR (TRANSPONDER KEY ECU - TRANSPONDER KEY AMPLIFIER)

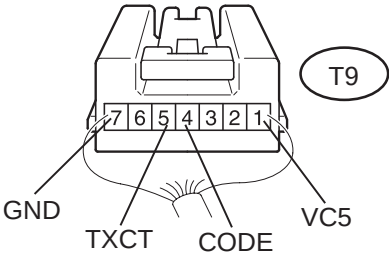
Transponder Key ECU Assembly:

Wire Harness Rear View:



Transponder Key Amplifier:

Wire Harness Rear View:



P

B124193E04

- (a) Disconnect the T10 ECU and T9 amplifier connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard resistance

Tester Connection	Condition	Specified Condition
T10-4 (TXCT) - T9-5 (TXCT)	Always	Below 1 Ω
T10-5 (AGND) - T9-7 (GND)	Always	Below 1 Ω
T10-14 (VC5) - T9-1 (VC5)	Always	Below 1 Ω
T10-15 (CODE) - T9-4 (CODE)	Always	Below 1 Ω
T10-4 (TXCT) - Body ground	Always	10 kΩ or higher
T10-5 (AGND) - Body ground	Always	10 kΩ or higher
T10-14 (VC5) - Body ground	Always	10 kΩ or higher
T10-15 (CODE) - Body ground	Always	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4 CHECK TRANSPONDER KEY AMPLIFIER

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

OK:

The engine starts.

NG

REPLACE TRANSPONDER KEY ECU ASSEMBLY

OK

END

EI