

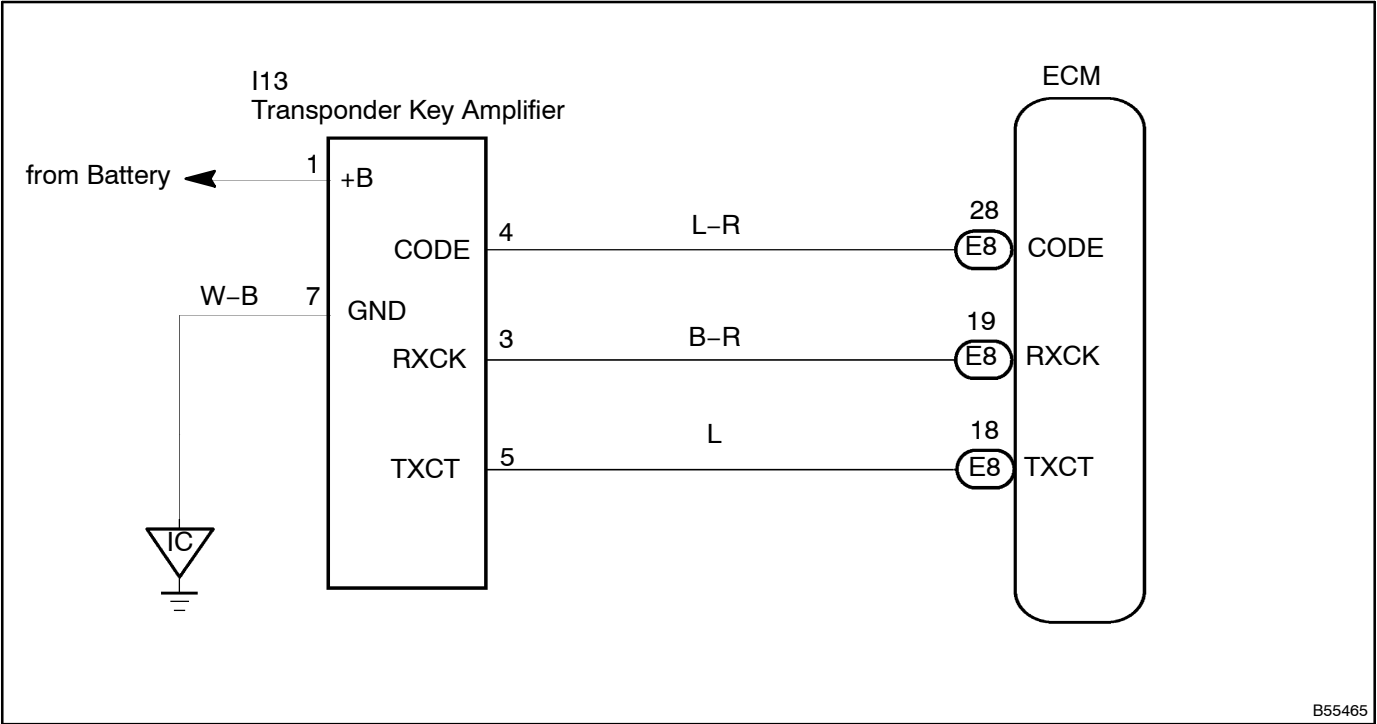
DTC	B2796	NO COMMUNICATION IN IMMOBILISER SYSTEM
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DTC	B2798	COMMUNICATION MALFUNCTION NO.2
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
B2796	No communication	<ul style="list-style-type: none">• Key• Transponder key amplifier• Wire harness• ECM
B2798	Communication error	<ul style="list-style-type: none">• Key• Transponder key amplifier• Wire harness• ECM

WIRING DIAGRAM



B55465

INSPECTION PROCEDURE

1 READ VALUE OF HAND-HELD TESTER

- (a) Using the hand-held tester, read value of ECM.

ECM:

Item	Inspecting condition	Standard value
Main key inserted	IG ON with main key → Pull it out from IG SW cylinder	Insert / Not insert
Sub key inserted	IG ON with sub key → Pull it out from IG SW cylinder	Insert / Not insert

OK

MALFUNCTION OCCURS IN ENGINE INCLUDING ECM

NG

2 CHECK WHETHER ENGINE STARTS WITH OTHER KEYS

- (a) Check whether the engine starts with the other keys for the vehicle.

NG

Go to step ****

OK

3 RE-REGISTER OR REPLACE KEY WITH WHICH ENGINE DOES NOT START

- (a) Check whether the engine starts, after the reregistration of the key that does not start the engine has been done.

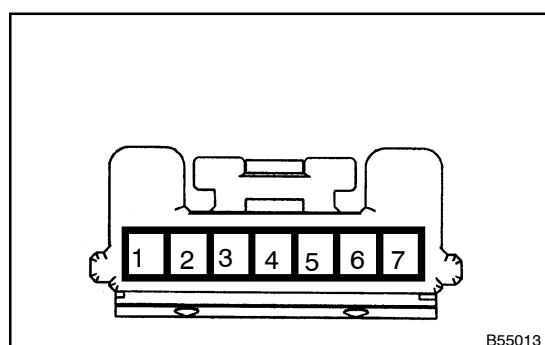
NG

COMPLETED (RE-REGISTRATION OF RECOGNITION CODE IS NORMAL)

OK

TRANSPONDER CHIP OF A SPECIFIC KEY IS DEFECTIVE AND REPLACE KEY

4 CHECK TRANSPONDER KEY AMPLIFIER (+B)



- (a) Check the voltage between terminal of the transponder key coil connector.

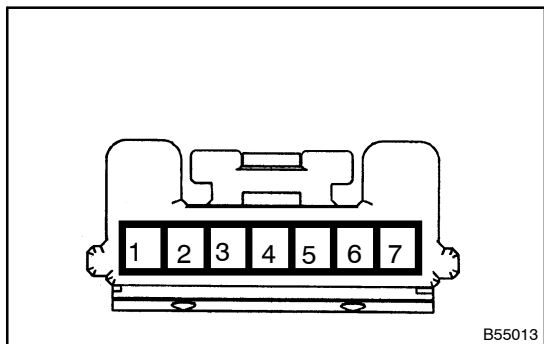
Standard:

Terminals	Specified condition
1 (+B) ⇔ Body ground	10 - 14 V

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REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

5 CHECK TRANSPONDER KEY AMPLIFIER(GND)

- (a) Check the continuity between terminal of the transponder key coil connector.

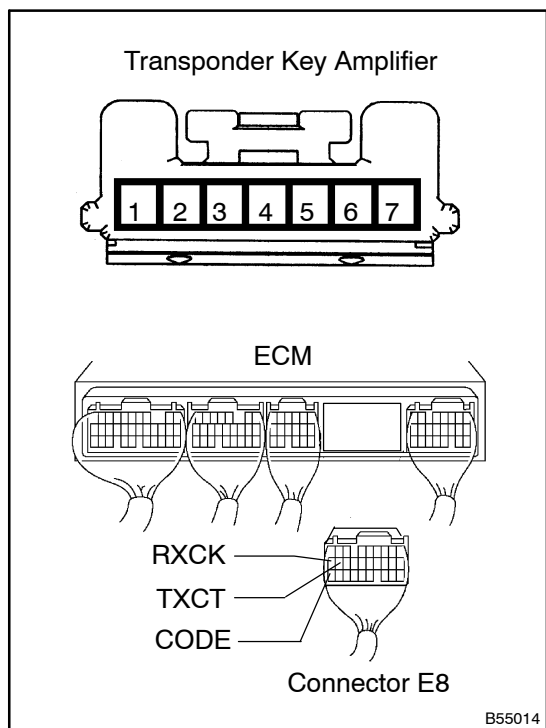
Standard:

Terminals	Specified condition
7 (GND) ⇔ Body ground	Continuity

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

6 CHECK WIRE HARNESS

- (a) Disconnect the transponder key amplifier and ECM connectors.
- (b) Check the continuity between each terminal of the transponder key amplifier vehicle's side connector and the ECM vehicle's side connector.

Standard:

Terminals (ECM ⇔ Amplifier)	Specified condition
E8-28 ⇔ 4 (CODE ⇔ CODE)	Continuity
E8-19 ⇔ 3 (RXCK ⇔ RXCK)	Continuity
E8-18 ⇔ 5 (TXCT ⇔ TXCT)	Continuity

Standard:

Terminals (ECM or Amplifier ⇔ Body ground)	Specified condition
E8-28 or 4 ⇔ Body ground (CODE or CODE ⇔ Body ground)	No continuity
E8-19 or 3 ⇔ Body ground (RXCK or RXCK ⇔ Body ground)	No continuity
E8-18 or 5 ⇔ Body ground (TXCT or TXCT ⇔ Body ground)	No continuity

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

7 CHECK TRANSPONDER KEY AMPLIFIER

- (a) Check that engine will start when connected to new or normal transponder key amplifier.

OK**NORMAL (TRANSPONDER KEY AMPLIFIER
DETECTIVE)****NG****REPLACE ECM**