

**CODE 1-3 IS NOT OUTPUT****NOTICE:**

The DTC is 1CD-FTV engine only.

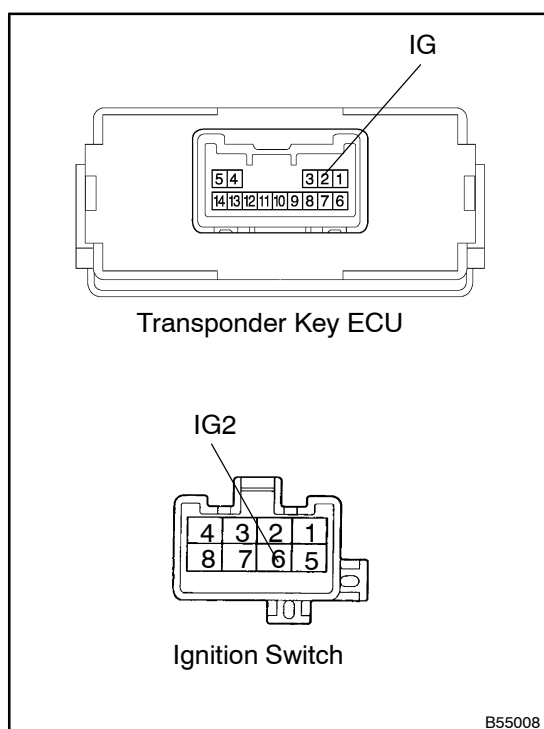
**CIRCUIT DESCRIPTION**

The transponder key ECU outputs DTC13 when the ignition switch is ON.

**HINT:**

DTC13 is a normal code.

DTC No.	DTC detecting condition	Trouble area
13	Code 1-3 is not output	• Ignition switch • transponder key ECU

**INSPECTION PROCEDURE****1 CHECK WIRE HARNESS**

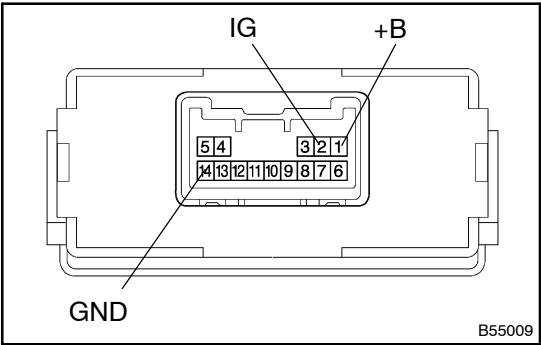
- (a) Disconnect the transponder key ECU connector and ignition switch connector, and check the continuity between each terminal on the wire harness side.

Terminals (IG SW - ECU)	Specified condition
6 (IG2) - 2 (IG)	Continuity

**NG****REPLACE HARNESS AND CONNECTOR****OK**

2

CHECK TRANSPONDER KEY ECU ASSY



- (a) Check the transponder key ECU.  
**Voltage and Continuity:**

Tester connection	Specified condition
1 (+B) – Body ground	10 – 14 V
2 (IG) – Body ground	10 – 14 V (IG ON)
14 (GND) – Body ground	Continuity

NG

REPLACE TRANSPONDER KEY ECU ASSY

OK

REPLACE IGNITION OR STARTER SWITCH ASSY