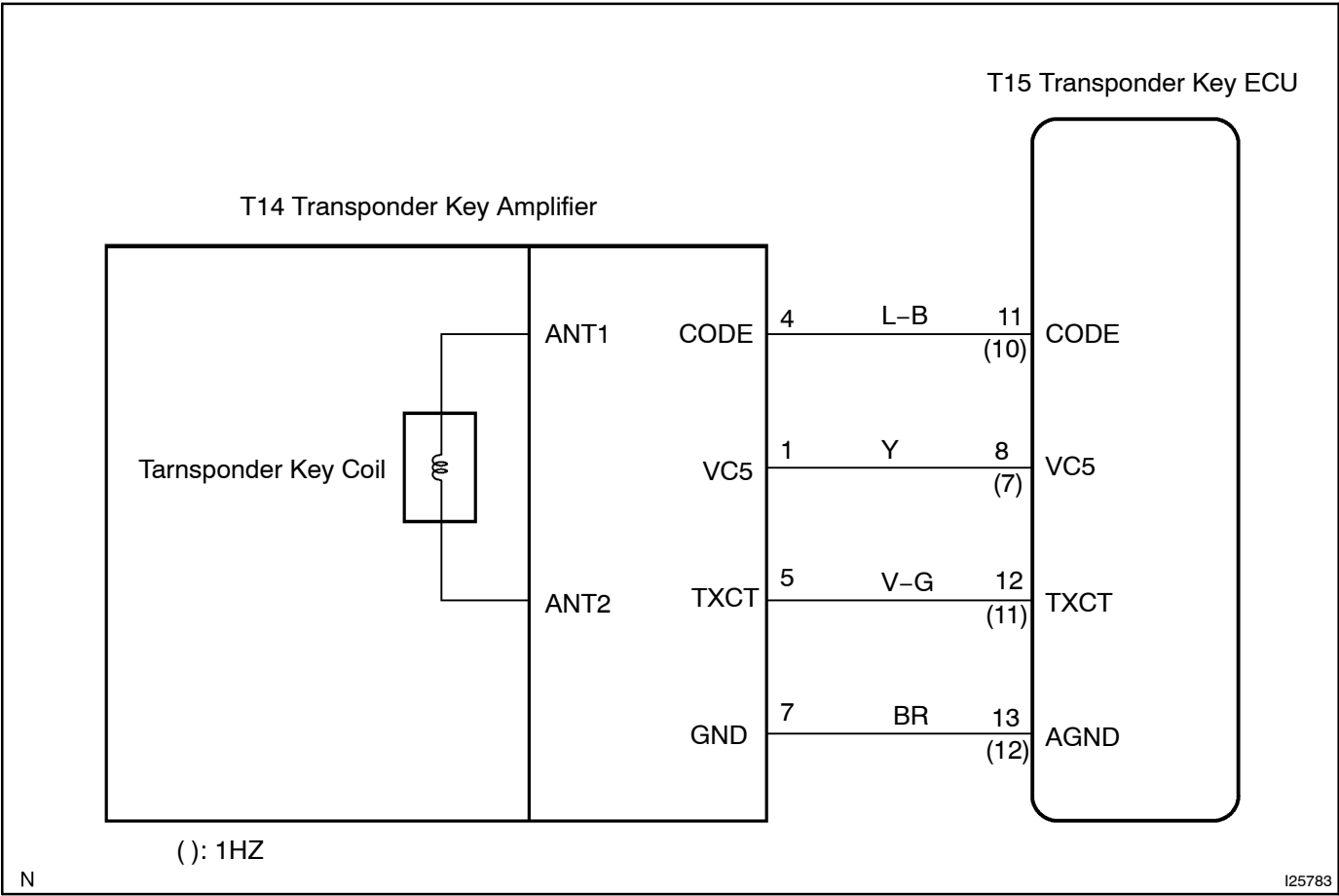DIB0V−01

DTC	B2797	Communication Malfunction No.1

CIRCUIT DESCRIPTION

This DTC is detected when an error occurs, although the communication has been performed normally (Example. Some noise is included in communication line.).

DTC No.	DTC Detecting Condition	Trouble Area
B2797	Communication error	• Key • Wire harness • Transponder Key Amplifier with coil • Transponder Key ECU

WIRING DIAGRAM

INSPECTION PROCEDURE

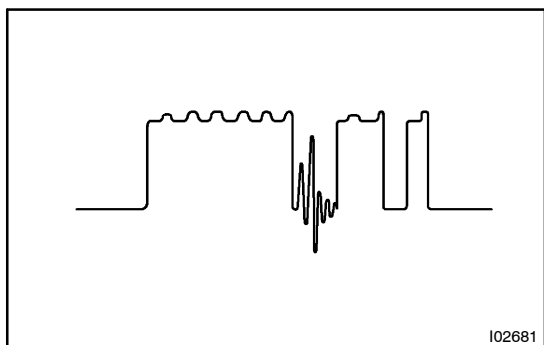| 1	Delete DTC and insert all the presently available keys to check whether the engine starts or not.

RESULT:

A	All keys start the engine.
B	A specific key does not start the engine. In this case, DTC (B 2797) is stored in memory.
C	All keys do not start the engine. In this case, DTC (B2797) is stored in memory.

A ⟩	No problem at this time.

HINT:
If the result is "A", please confirm whether or not customers have ever inserted the key (without transponder chip) of other vehicles in the ignition key cylinder, and find out the cause of detecting DTC.

B ⟩	The transponder chip of a specific key is detecdtive. Replace the key.

C

2	Noise check

I02681

PREPARATION:
Insert the already registered master key in the ignition key cylinder.
CHECK:
Using oscilloscope or the hand–held tester, check that noise is included in the signals sent to the CODE terminal of the Transponder key ECU.
OK:
No noise is detected.

NG ⟩	Try to find the cause of the noise nad remove it.

OK

| 3 | Check wire harness and connector between transponder key amplifier and transponder key ECU (**See page IN–38**). |

NG ⟩ Repair or replace wire harnesss and connector.

OK

| 4 | Does it operate normally after replacement of transponder key amplifier? |

Yes ⟩ Replace transponder key amplifier.

No

Replace transponder key ECU.