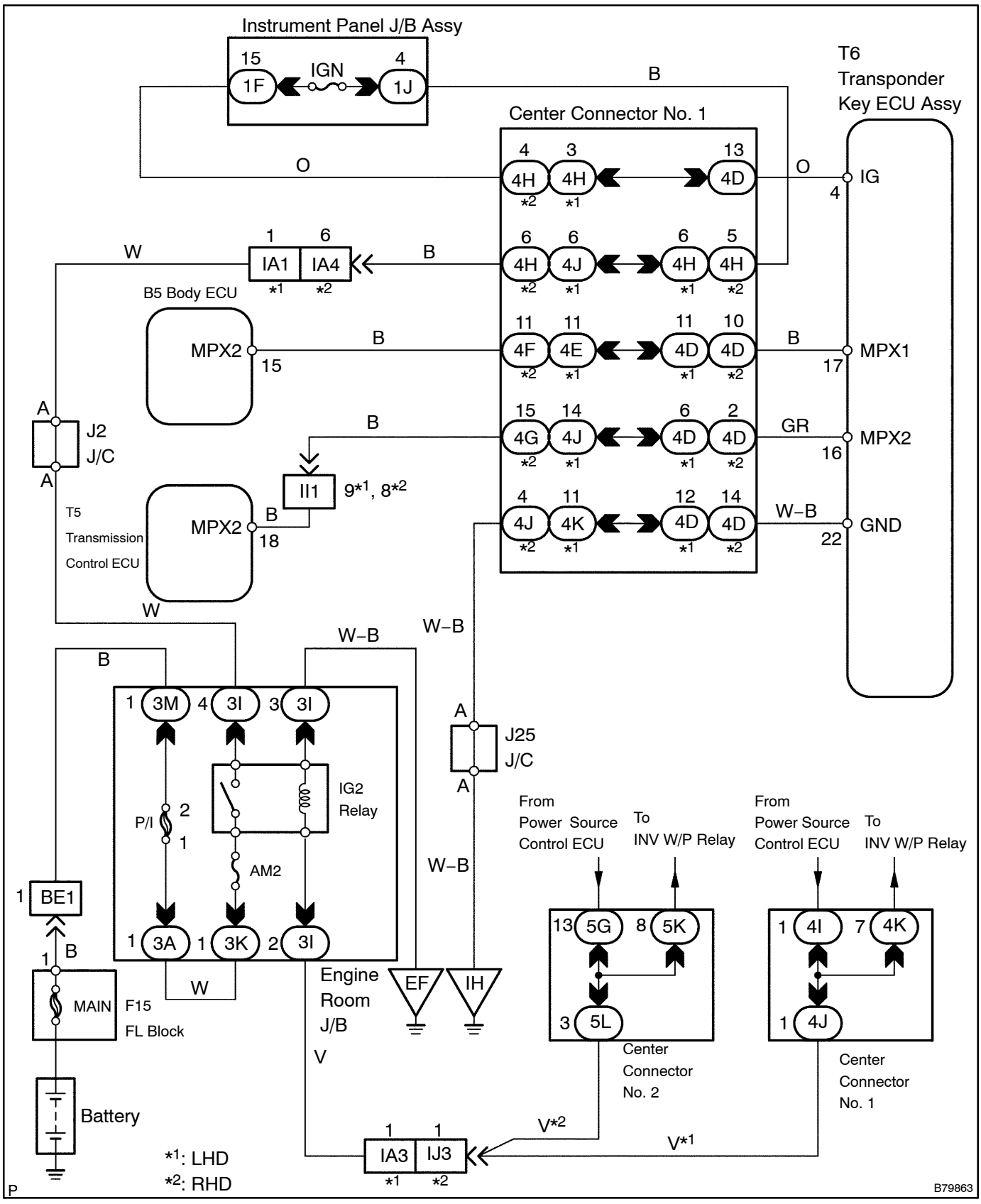
DTC	B1294	STEERING LOCK ECU/IMMOBILISER ECU COMMUNICATION STOP

CIRCUIT DESCRIPTION

This DTC is detected when communication between the transponder key ECU (immobilizer ECU) and gateway ECU stops more than 10 seconds.

DTC No.	DTC Detection Condition	Trouble Area
B1294	Transponder key ECU communication stops	• Transponder key ECU • Wire harness

WIRING DIAGRAM



INSPECTION PROCEDURE

1	INSPECT FUSE (IGN)

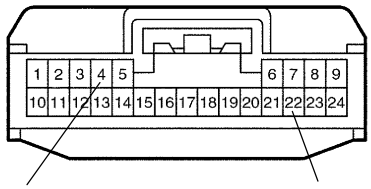
(a) Remove the IGN fuse from the instrument panel J/B
(b) Measure the resistance.
Standard: Below 1 Ω

NG → **REPLACE FUSE**

OK

2	CHECK WIRE HARNESS (TRANSPONDER KEY ECU ASSY – BODY GROUND)

Wire Harness Side
T6
Transponder Key ECU Assy



(a) Disconnect the T6 ECU connector.
(b) Measure the voltage and resistance of the wire harness side connectors.
Standard:

Tester Connection	Condition	Specified Condition
T6–4 (IG) – Body ground	Power switch 1: OFF → 2: ON (IG)	1: 0 V → 2: 10 to 14V
T6–22 (GND) – Body ground	Constant	Below 1 Ω

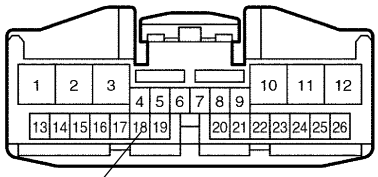
NG → **REPAIR OR REPLACE HARNESS AND CONNECTOR**

OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

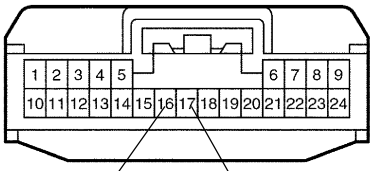
Wire Harness Side

T5
Transmission Control ECU



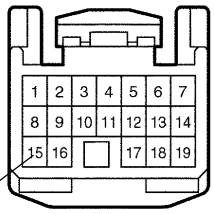
MPX2

T6
Transponder Key ECU Assy



MPX2 MPX1

B5
Multiplex Network Body ECU



MPX2

P B79864

(a) Disconnect the T5, T6 and B5 ECU connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

Tester Connection	Specified Condition
T6–17 (MPX1) – B5–15 (MPX2)	Below 1 Ω
T6–16 (MPX2) – T5–18 (MPX2)	Below 1 Ω

Result:

Result	Proceed to
Both are OK	A
One is OK	B
Both are NG	C

B → **REPLACE TRANSPONDER KEY ECU ASSY AND REPAIR OR REPLACE HARNESS AND CONNECTOR**

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

A

REPLACE TRANSPONDER KEY ECU ASSY