

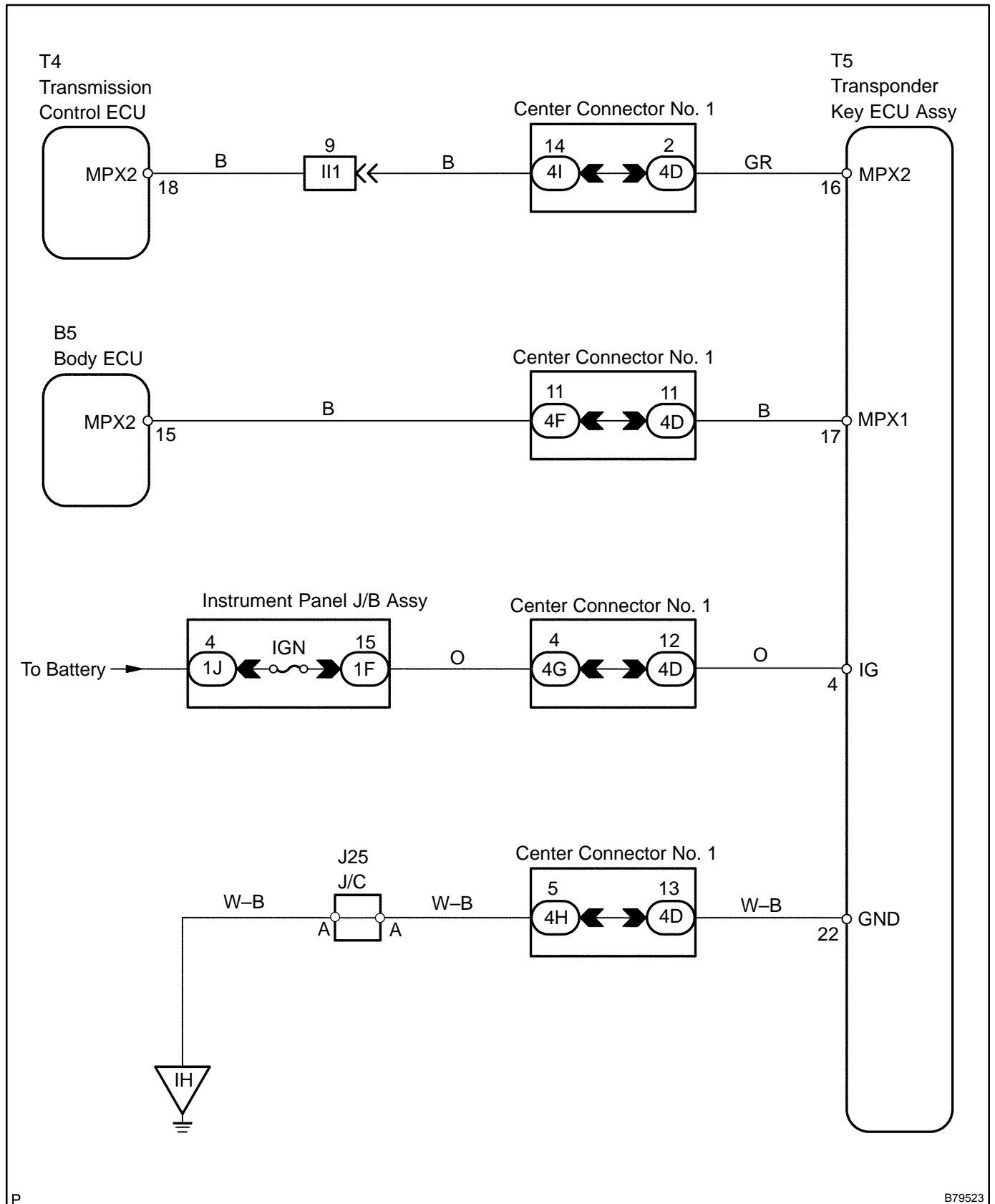
| | | |
|------------|--------------|---|
| DTC | B1294 | IMMOBILIZER ECU COMMUNICATION STOP |
|------------|--------------|---|

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 | <ul style="list-style-type: none">• Transponder key ECU• Wire harness |

WIRING DIAGRAM



P

B79523

INSPECTION PROCEDURE

1 INSPECT FUSE (IGN)

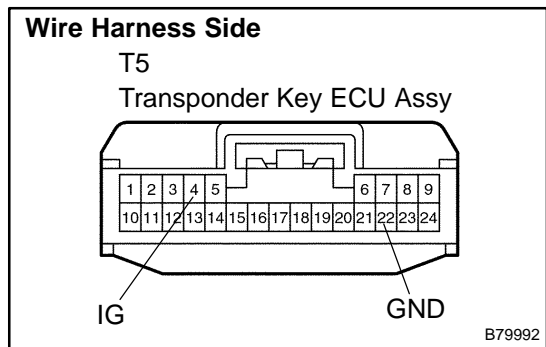
- (a) Remove the IGN fuse from the instrument panel J/B
- (b) Measure the resistance.

Standard: Below 1 Ω

NG → REPLACE FUSE

OK

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



- (a) Disconnect the T5 ECU connector.
- (b) Measure the voltage and resistance of the wire harness side connectors.

Standard:

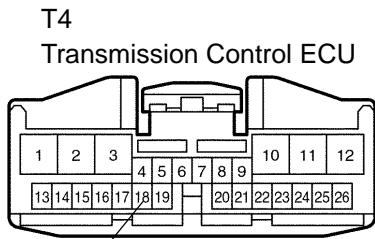
| Tester Connection | Condition | Specified Condition |
|------------------------------|-------------------------------------|-----------------------|
| T5-4 (IG) - Body ground | Power switch 1: OFF → 2: ON (IG) | 1: 0 V → 2: 10 to 14V |
| T5-22 (GND) - Body ground | Constant | Below 1 Ω |

NG → REPAIR OR REPLACE HARNESS AND CONNECTOR

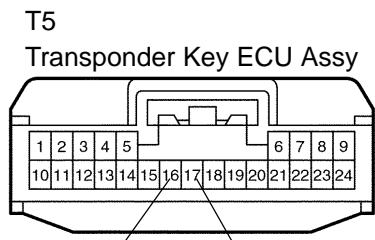
OK

3 CHECK RESISTANCE OF COMMUNICATION LINE

Wire Harness Side

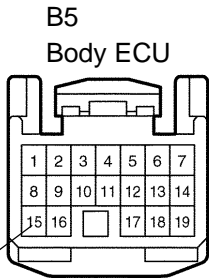


MPX2



MPX2

MPX1



MPX2

- (a) Disconnect the T4, T5 and B5 ECU connectors.
- (b) Measure the resistance of the wire harness side connectors.

Standard:

| Tester Connection | Specified Condition |
|-----------------------------|---------------------|
| T5-17 (MPX1) – B5-15 (MPX2) | Below 1 Ω |
| T5-16 (MPX2) – T4-18 (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**

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A

REPLACE TRANSPONDER KEY ECU ASSY