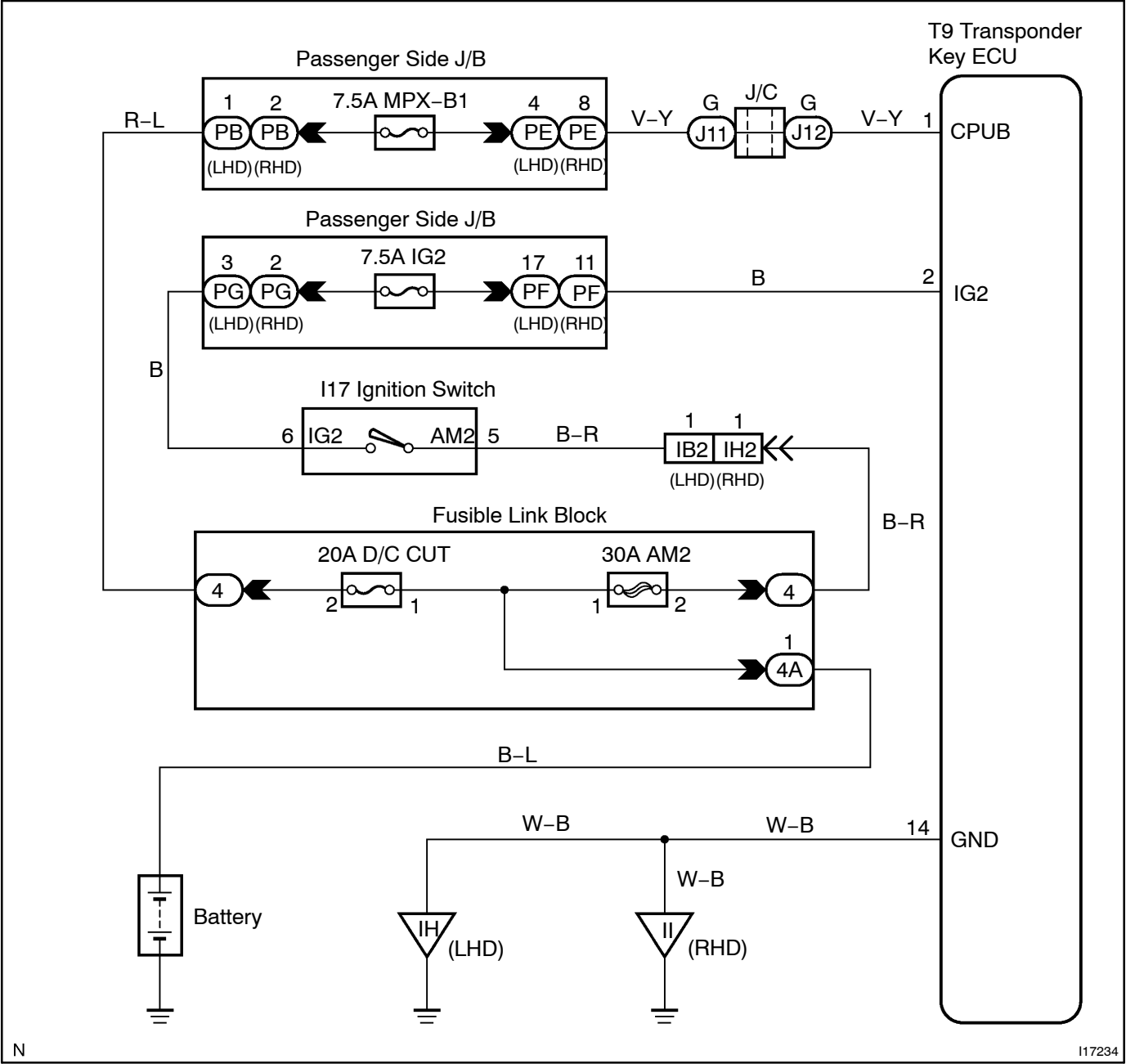


# Power source circuit

## CIRCUIT DESCRIPTION

This circuit provides power to operate the Transponder Key ECU.

## WIRING DIAGRAM



**INSPECTION PROCEDURE**

|          |                                   |
|----------|-----------------------------------|
| <b>1</b> | <b>Check MPX-B1 and IG2 fuse.</b> |
|----------|-----------------------------------|

**CHECK:**

Check continuity of MPX-B1 and IG2.

**OK:****Continuity**

|           |                                  |
|-----------|----------------------------------|
| <b>NG</b> | <b>Replace the failure fuse.</b> |
|-----------|----------------------------------|

|           |
|-----------|
| <b>OK</b> |
|-----------|

|          |                                                                                           |
|----------|-------------------------------------------------------------------------------------------|
| <b>2</b> | <b>Check voltage between terminals IG, CPUB and GND of transponder key ECU connector.</b> |
|----------|-------------------------------------------------------------------------------------------|

**PREPARATION:**

Turn the ignition switch ON.

**CHECK:**

Measure voltage between terminals IG and GND.

**OK:****Voltage: 10 – 14 V****PREPARATION:**

- (a) Turn the ignition switch OFF.
- (b) Disconnect the transponder key ECU connector.

**CHECK:**

Measure voltage between terminals CPUB and GND.

**OK:****Voltage: 10 – 14 V**

|           |                                                                                                              |
|-----------|--------------------------------------------------------------------------------------------------------------|
| <b>OK</b> | <b>Proceed to next circuit inspection shown in problem symptoms table (<a href="#">See page DI-907</a>).</b> |
|-----------|--------------------------------------------------------------------------------------------------------------|

|           |
|-----------|
| <b>NG</b> |
|-----------|

**3**

**Check wire harness and connector between transponder key ECU and body ground ([see page IN-35](#)).**

**NG**

**Repair or replace wire harness or connector.**

**OK**

**Proceed to next circuit inspection shown on problem symptom table ([See page DI-907](#)).**