DI0WV–16

| DTC | C1241 / 41 | IG Power Source Circuit |
|-----|------------|-------------------------|

## CIRCUIT DESCRIPTION

| DTC No. | DTC Detecting Condition | Trouble Area |
|---------|-------------------------|--------------|
| C1241 / 41 | Detection of either condition 1. or 2.: <br> 1. When the vehicle speed is 3 km/h (1.9 mph) or more, ECU IG1 terminal voltage is 9.5 V or less for 10 sec. or more. <br> 2. While SOL relay is ON, ECU IG1 terminal voltage becomes 9.5 V or less and the condition that the contact point of the SOL relay is OFF continues for 0.2 sec. or more. | • Battery <br> • Charging system <br> • Power source circuit |

## WIRING DIAGRAM



*1: LHD
*2: RHD

F13762
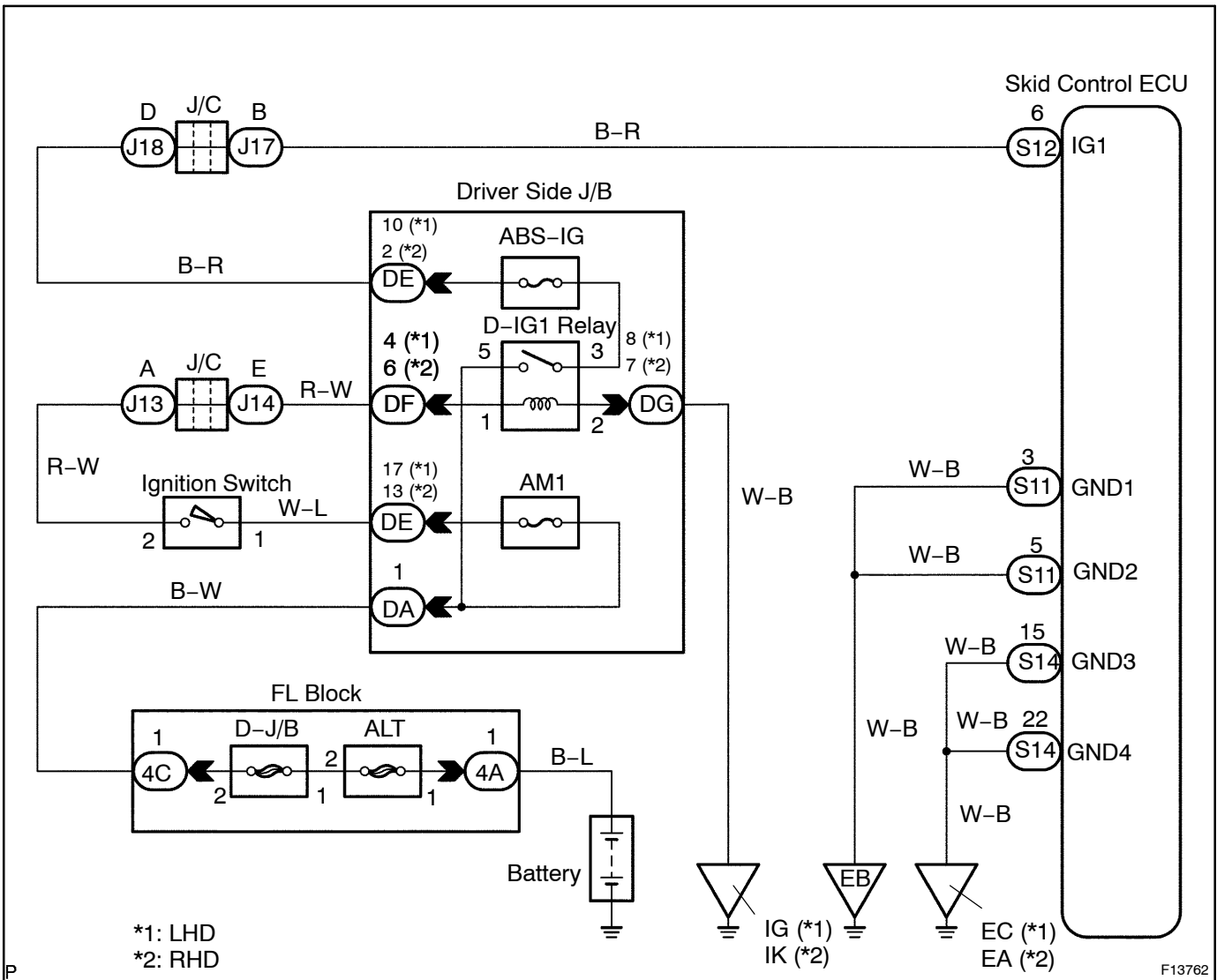
# INSPECTION PROCEDURE

| 1 | Check battery voltage. |
|---|---|

**OK:**
>    **Voltage: 10 – 14 V**

> NG 〉 **Check and repair the charging system.**

**OK**

| 2 | Check ABS–IG fuse. |
|---|---|

Driver side J/B

ABS–IG Fuse

N                                                    F12712
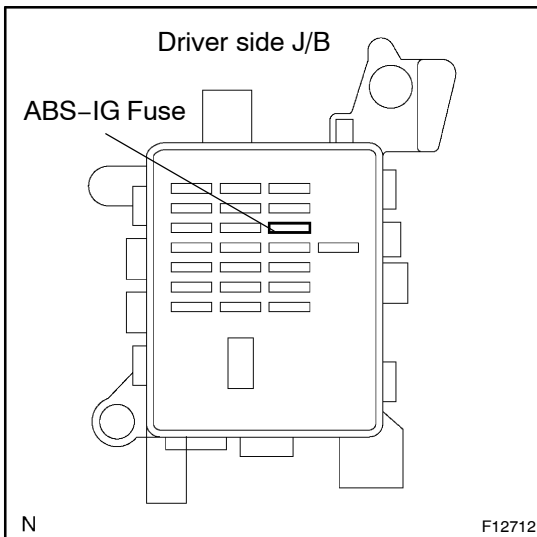
**PREPARATION:**
Remove the ABS–IG fuse from the driver side J/B.
**CHECK:**
Check continuity of ABS–IG fuse.
**OK:**
>    **Continuity**

> NG 〉 **Check for short circuit in all the harnesses and components connected to ABS–IG fuse (See attached wiring diagram).**

**OK**

| 3 | Check voltage of the ECU IG power source. |
|---|---|

**In case of using the hand−held tester:**
**PREPARATION:**
(a)  Connect the hand−held tester to the DLC3.
(b)  Turn the ignition switch ON and turn the hand−held tester main switch ON.
(c)  Select the DATALIST mode on the hand−held tester.
**CHECK:**
Check the voltage condition output from the ECU observed in the hand−held tester.
**OK:**

> **"Normal" is displayed.**


F13721
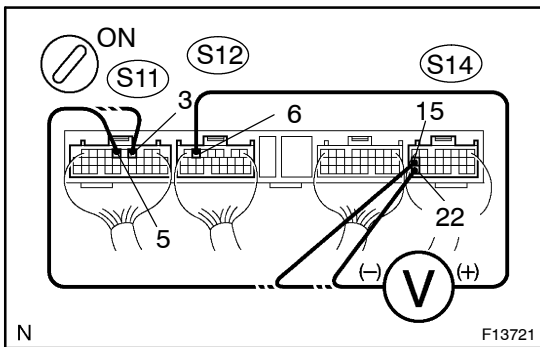
**In case of not using the hand−held tester:**
**PREPARATION:**
Remove the skid control ECU with the connectors still connected to it.
**CHECK:**
(a)  Turn the ignition switch ON.
(b)  Measure voltage between the terminals IG1 (S12 – 6) and GND (S14 – 15, 22, S11 – 3, 5) of the skid control ECU.
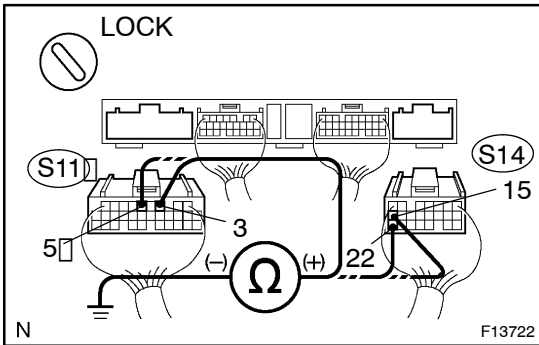**OK:**

> **Voltage: 10 – 14 V**

| OK | Check and replace skid control ECU. |
|---|---|

**NG**

| 4 | Check continuity between terminal GND of skid control ECU connector and body ground. |



**PREPARATION:**
Disconnect the 2 connectors (S14, S11) from the skid control ECU.

**CHECK:**
Measure resistance between the terminal GND (S14 − 15, 22, S11 − 3, 5) of the skid control ECU and body ground.

**OK:**

**Resistance: 1 Ω or less**

| NG | Repair or replace harness or connector. |

**OK**

Check for open circuit in harness and connector between skid control ECU and battery (**See page IN−35**).