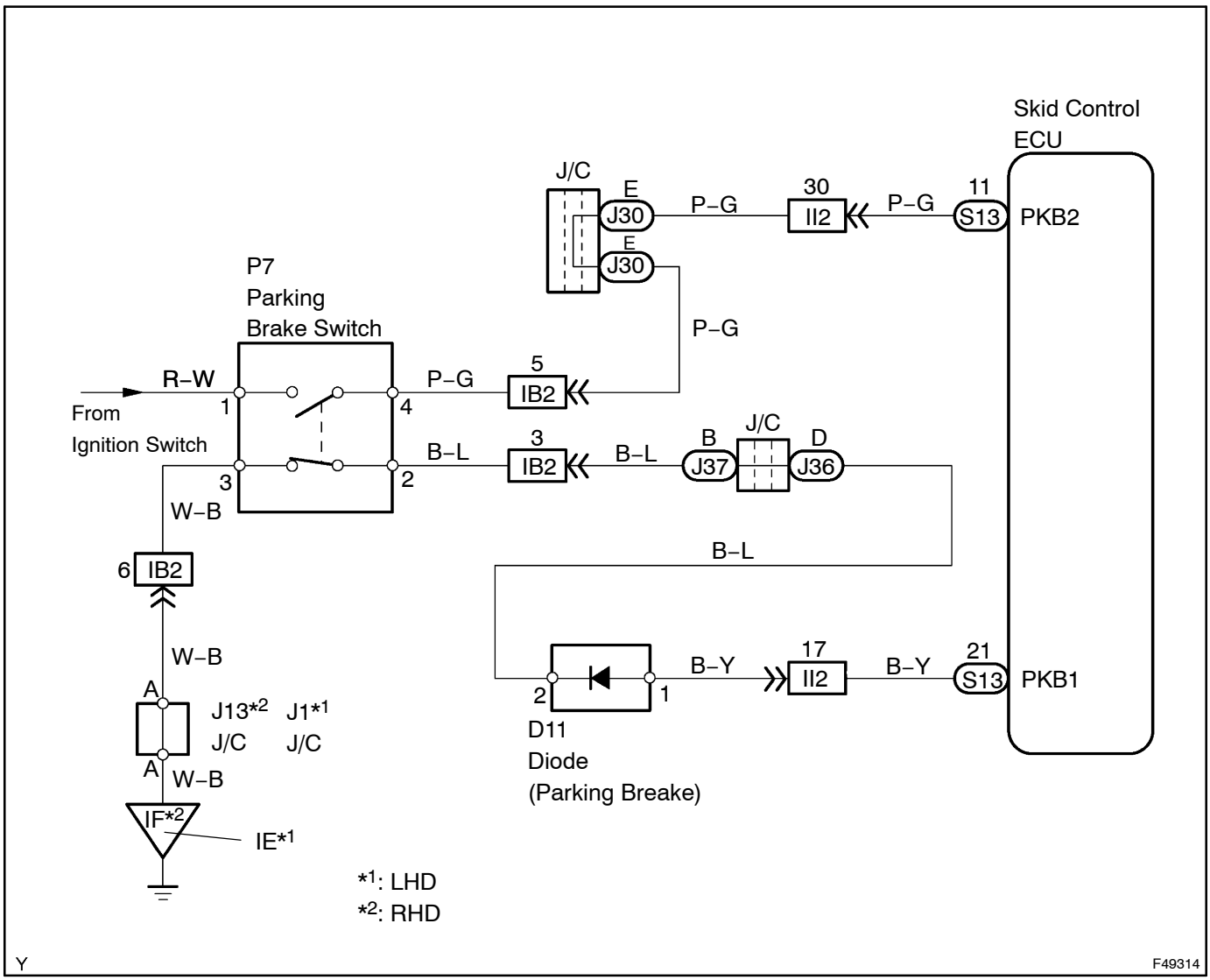
PARKING BRAKE SWITCH CIRCUIT

CIRCUIT DESCRIPTION

The parking brake switch detects the parking brake position and sends signals to the skid control ECU.

WIRING DIAGRAM

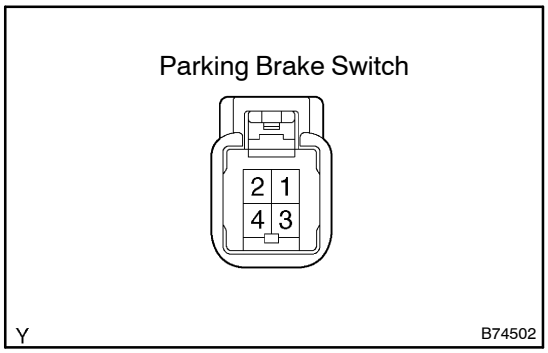


INSPECTION PROCEDURE

HINT:

As the ES starting system is controlled by the skid control ECU, a malfunction in the ABS & BA system may affect ES starting system operation. Before proceeding to the flowchart below, check for ABS & BA system's DTCs. If any of the ABS & BA system's DTCs is present, troubleshoot those DTCs first (see page 05–191).

1 INSPECT PARKING BRAKE SWITCH



(a) Remove the parking brake switch.

(b) Measure the resistance of the switch.

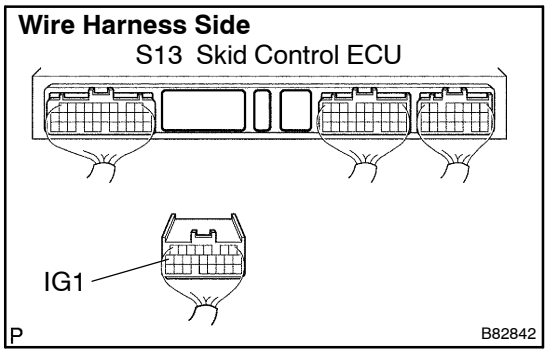
Standard:

Tester Connection	Parking Brake Switch Condition	Specified Condition
4 – 1	Not pushed → Pushed	10 kΩ or higher → Below 1 Ω
2 – 3	Pushed → Not Pushed	10 kΩ or higher → Below 1 Ω

NG → **REPLACE FUSE**

OK

2 CHECK WIRE HARNESS (SKID CONTROL ECU – BATTERY)



(a) Disconnect the S13 ECU connector.

(b) Measure the voltage of the wire harness side connector.

Standard:

Tester Connection	Condition	Specified Condition
S13–7 (IG1) – Body ground	Ignition switch OFF → ON	0 V → 20 to 28 V

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

OK

REPLACE SKID CONTROL ECU