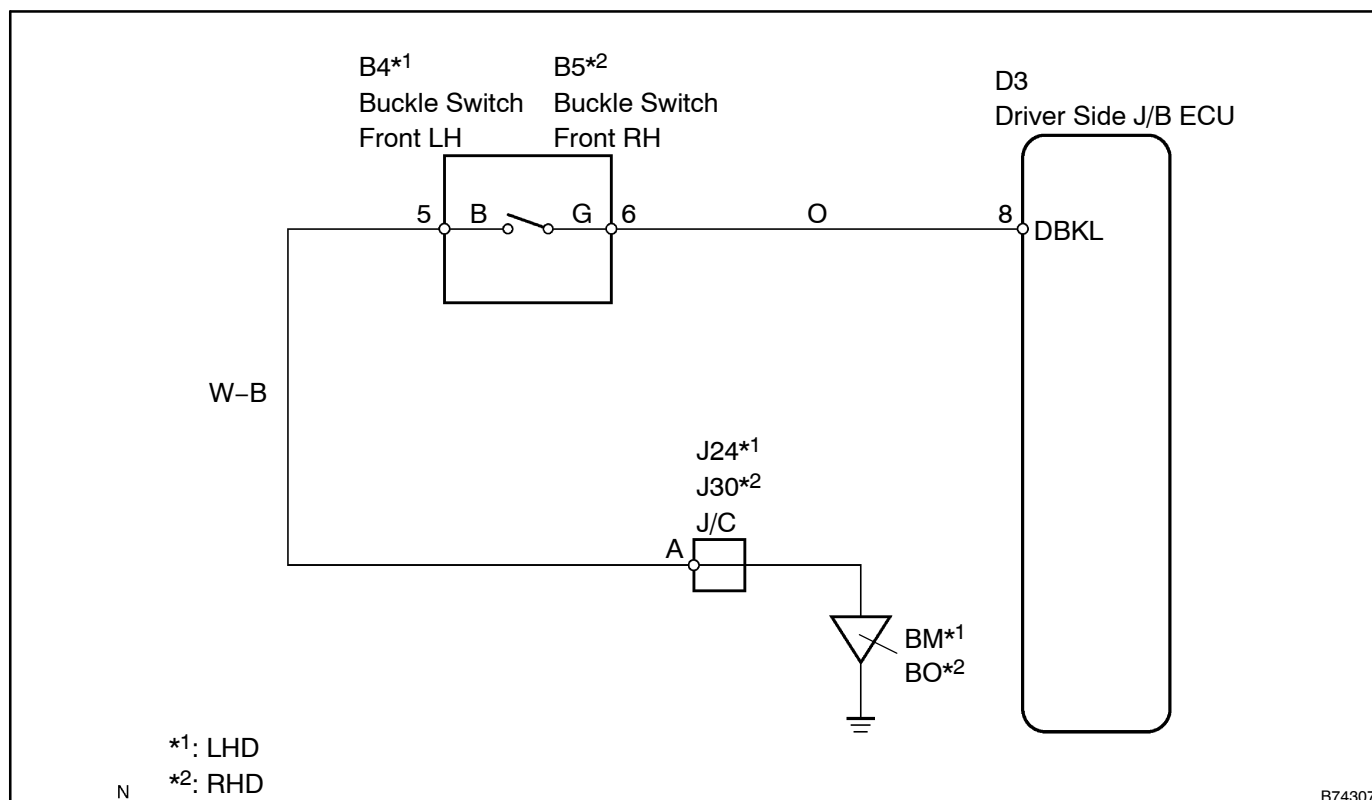


BUCKLE SWITCH CIRCUIT

CIRCUIT DESCRIPTION

This circuit detects the conditions of the driver seat belt buckle switch and makes the driver seat belt warning light start flashing.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 READ VALUE OF INTELLIGENT TESTER

- (a) Check the DATA LIST for proper function of the buckle switch front (driver side).
Driver side J/B ECU

Item	Measurement Item/ Display (Range)	Specified Condition
D Seat Buckle SW	Driver seat belt buckle switch signal ON or OFF	ON: Seat belt is fastened OFF: Seat belt is unfastened

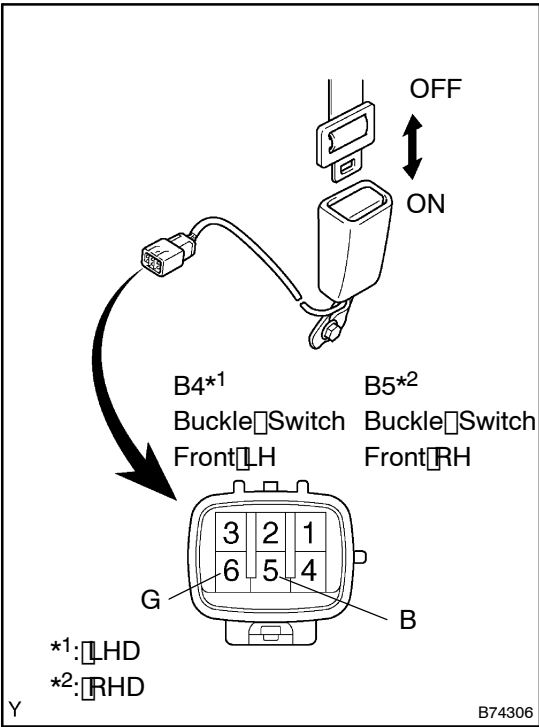
OK:
ON is displayed when the seat belt is fastened.
OFF is displayed when the seat belt is unfastened.

NG Go to step 2

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(See page 05-1329)

2 INSPECT BUCKLE SWITCH FRONT (DRIVER SIDE)



- (a) Disconnect the B4 or B5 switch connector.
(b) Measure the resistance.

Standard:
LHD models

Tester Connection	Switch Condition	Specified Condition
B4-6 (G) - B4-5 (B)	Seat belt is fastened (driver seat belt buckle switch ON)	Below 1 Ω
B4-6 (G) - B4-5 (B)	Seat belt is unfastened (driver seat belt buckle switch OFF)	10 kΩ or higher

RHD models

Tester Connection	Switch Condition	Specified Condition
B5-6 (G) - B5-5 (B)	Seat belt is fastened (driver seat belt buckle switch ON)	Below 1 Ω
B5-6 (G) - B5-5 (B)	Seat belt is unfastened (driver seat belt buckle switch OFF)	10 kΩ or higher

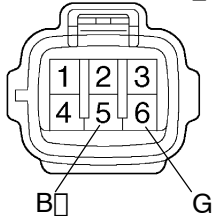
NG REPLACE BUCKLE SWITCH FRONT (DRIVER SIDE)

OK

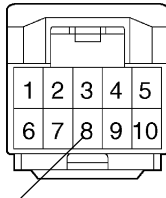
3 **CHECK WIRE HARNESS**
(BUCKLE SWITCH FRONT (DRIVER SIDE) - DRIVER SIDE J/B ECU AND BODY GROUND)

Wire Harness Side

B4*1 B5*2
Buckle Switch Buckle Switch
Front LH Front RH



D3
Driver Side J/B ECU



*1: LHD DBKL

Y *2: RHD

B74305

- (a) Disconnect the B4 or B5 switch and D3 ECU connectors.
(b) Measure the resistance of the wire harness side connectors.

Standard:

LHD models

Tester Connection	Specified Condition
D3-8 (DBKL) - B4-6 (G)	Below 1 Ω
B4-5 (B) - Body Ground	Below 1 Ω

RHD models

Tester Connection	Specified Condition
D3-8 (DBKL) - B5-6 (G)	Below 1 Ω
B5-5 (B) - Body Ground	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS AND CONNECTOR

OK

PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS TABLE
(See page 05-1329)