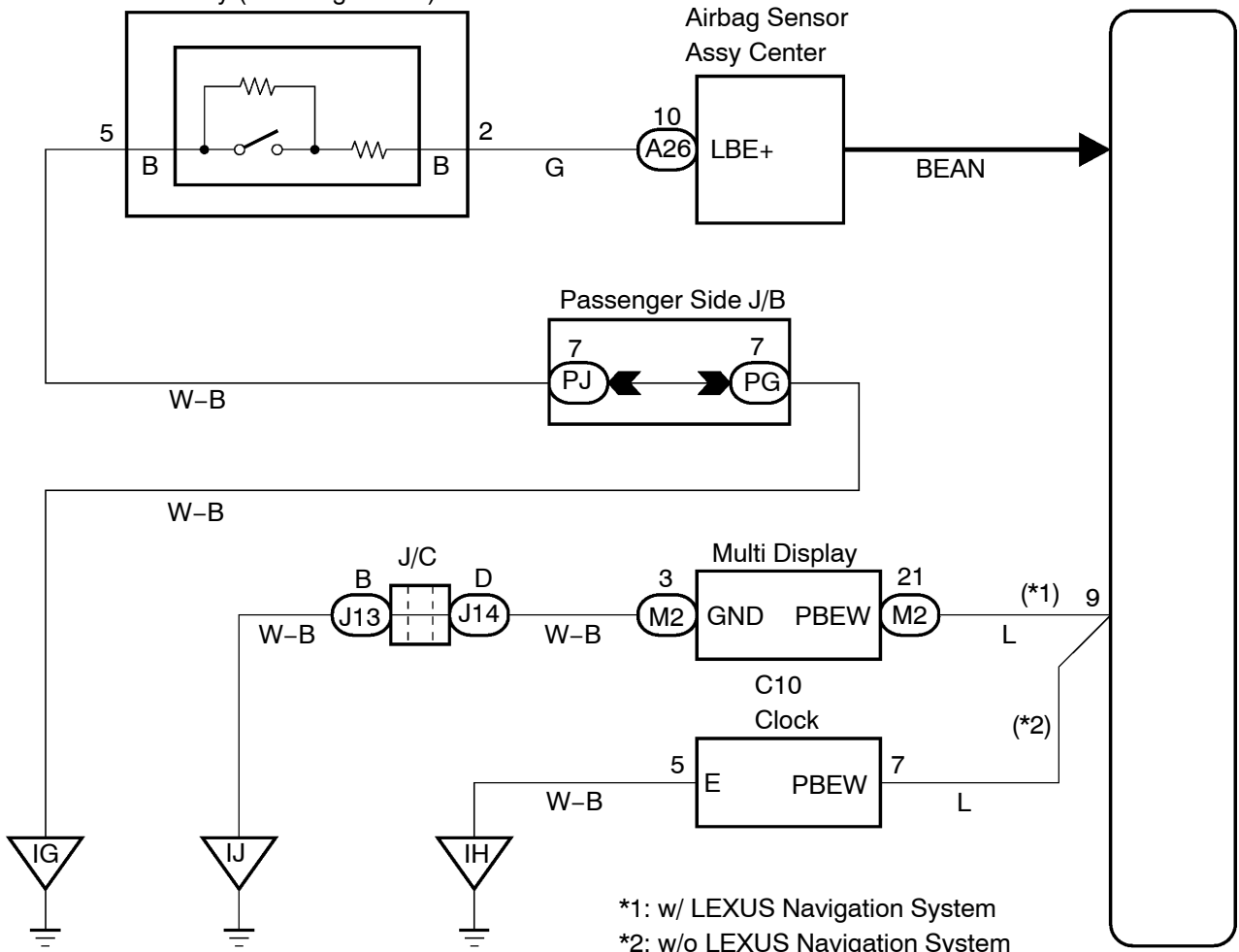


RHD Models: B4 Front Seat Inner Belt
Assy (Passenger Side)

C12
Combination Meter Assy



*1: w/ LEXUS Navigation System

*2: w/o LEXUS Navigation System

C

I39218

INSPECTION PROCEDURE

HINT:

Display except for the seat belt warning indicator are shown in the navigation system (see page 05-1749) and A/C system (see page 05-771).

1 PERFORM ACTIVE TEST BY INTELLIGENT TESTER II

(a) Operate the intelligent tester II according to the steps on the display and select the "ACTIVE TEST".

METER:

Item	Test Details	Diagnostic Note
P-belt Remind	Indicat. Lamp P-Seat Belt (OFF/ON)	Confirm that the vehicle is stopped and engine idling

OK:

Indicator lamp (ON/OFF) can be switched by ACTIVE TEST.

NG

REPLACE COMBINATION METER ASSY
(SEE PAGE 71-21)

OK

2 READ VALUE OF INTELLIGENT TESTER II(FRONT PASSENGER SEAT BELT)

(a) Operate the intelligent tester II according to the steps on the display and select the "DATA LIST".

SRS AIRBAG:

Item	Measurement Item/ Range (Display)	Normal Condition	Diagnostic Note
Passenger Buckle SW	Passenger seat belt buckle switch is ON / OFF	ON: Seat belt is fastened OFF: Seat belt is unfastened	–

OK:

Switch condition (ON/OFF) can be switched by actual operation.

RESULT:

NG	A
OK (w/o LEXUS Navigation)	B
OK (w/ LEXUS Navigation)	C

B

Go to step 6

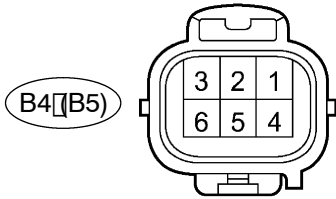
C

Go to step 9

A

3 INSPECT FRONT SEAT INNER BELT ASSY (PASSENGER SIDE)

Front Seat Inner Belt Assy (Passenger Side) Wire Harness View:



- (a) Disconnect the connector from the front seat inner belt assy (FR Passenger Side).
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Terminal No	Condition	Specified Condition
B4 (B5)-2 - B4 (B5)-5	Seat belt is fastened	Approx. 330 Ω
B4 (B5)-2 - B4 (B5)-5	Seat belt is unfastened	Approx. 330 Ω

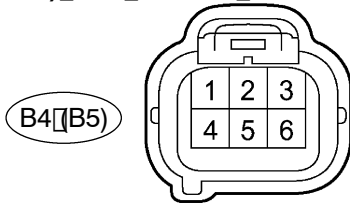
NG

REPLACE FRONT SEAT INNER BELT ASSY (PASSENGER SIDE)

OK

4 CHECK HARNESS AND CONNECTOR (FRONT SEAT INNER BELT ASSY - BODY GROUND) (SEE PAGE 01-34)

Front Seat Inner Belt Assy (Passenger Side) Wire Harness View:



- (a) Disconnect the connector from the front seat inner belt assy (FR Passenger Side).
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
B4 (B5)-5 - Body ground	Always	Below 1 Ω

NG

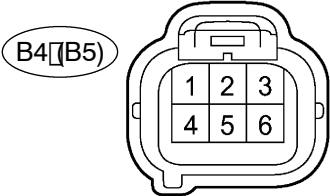
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

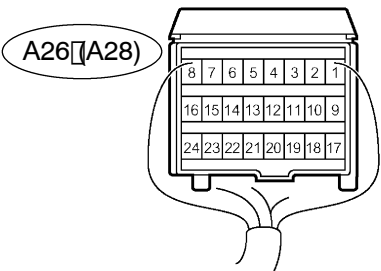
5

CHECK HARNESS AND CONNECTOR (FRONT SEAT INNER BELT ASSY - AIRBAG SENSOR ASSY CENTER) (SEE PAGE 01-34)

Front Seat Inner Belt Assy (Passenger Side) Wire Harness View:



Airbag Sensor Assy Center Wire Harness View:



I39225

- (a) Disconnect the B4(B5), A26(A28) connectors.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
B4-2 - A26-10(*1)	Always	Below 1 Ω
B5-2 - A28-15(*2)	Always	Below 1 Ω
B4(B5)-2 - Body ground	Always	10 kΩ or higher

*1: RHD models

*2: LHD models

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

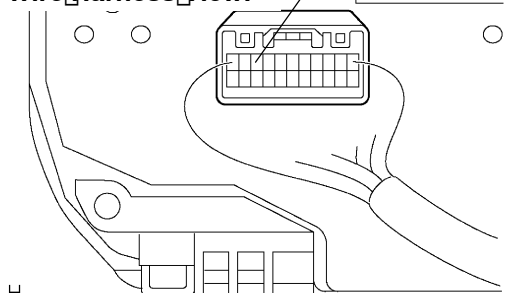
OK

REPLACE AIRBAG SENSOR ASSY CENTER (SEE PAGE 05-948)

6

INSPECT COMBINATION METER ASSY

Wire Harness View: C12-9



H

I39204

- (a) Disconnect the clock assy connector.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Terminal No	Condition	Specified condition
C12-9 - Body ground	Ignition switch ON, Passenger seat belt is unfastened	10 to 14 V

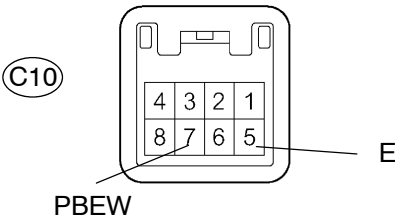
NG

Go to step 8

OK

7 INSPECT CLOCK ASSY

Clock Assy
Connector Front View:



I41340

- (a) Disconnect the clock assy connector.
(b) Measure the voltage according to the value(s) in the table below.

Standard:

Terminal No	Condition	Specified Condition
C10-7 - C10-5	Ignition switch ON, Passenger seat belt is unfastened	10 to 14 V

NG

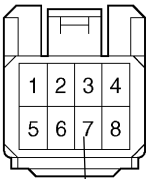
REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE CLOCK ASSY

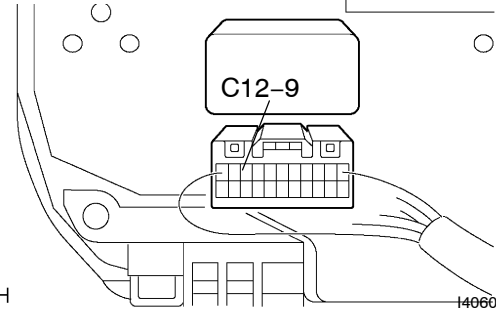
8 CHECK HARNESS AND CONNECTOR (CLOCK ASSY - COMBINATION METER ASSY) (SEE PAGE 01-34)

Clock Wire Harness View:



C10-7

Wire Harness View:



I40606

- (a) Disconnect the C10 and C12 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

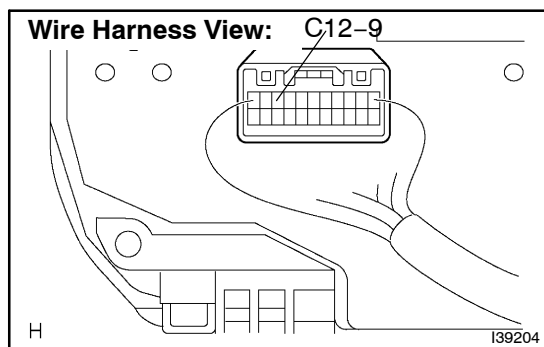
Tester Connection	Condition	Specified Condition
C12-9 - C10-7	Always	Below 1 Ω
C12-9 - Body Ground	Always	10 k Ω or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

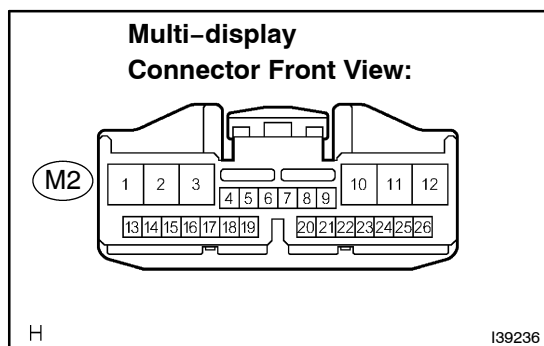
REPLACE COMBINATION METER ASSY (SEE PAGE 71-21)

9 INSPECT COMBINATION METER ASSY

- (a) Disconnect the combination meter connectors.
- (b) Measure the voltage according to the value(s) in the table below.

Standard:

Terminal No	Condition	Specified condition
C12-9 - Body ground	Ignition switch ON, Passenger seat belt is unfastened	10 to 14 V

NG**Go to step 11****OK****10 INSPECT MULTI-DISPLAY**

- (a) Disconnect the multi-display connector.
- (b) Measure the voltage according to the value(s) in the table below.

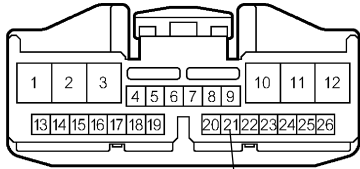
Standard:

Terminal No	Condition	Specified condition
M2-21 - M2-3	Ignition switch ON, Passenger seat belt is unfastened	10 to 14 V

NG**REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****REPLACE MULTI-DISPLAY**

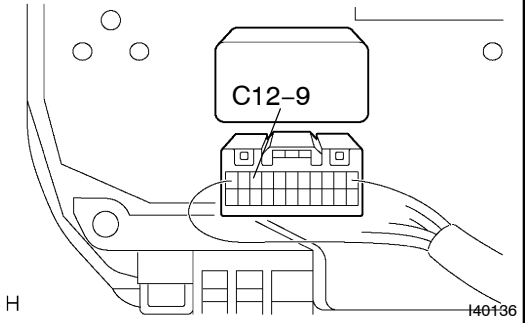
11 CHECK HARNESS AND CONNECTOR (MULTI-DISPLAY - COMBINATION METER ASSY) (SEE PAGE 01-34)

Multi-Display Wire Harness View:



M2-21

Combination Meter Assy Wire Harness View:



- (a) Disconnect the M2 and C12 connectors.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Condition	Specified Condition
C12-9 - M2-21	Always	Below 1 Ω
C12-9 - Body Ground	Always	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE COMBINATION METER ASSY (SEE PAGE 71-21)