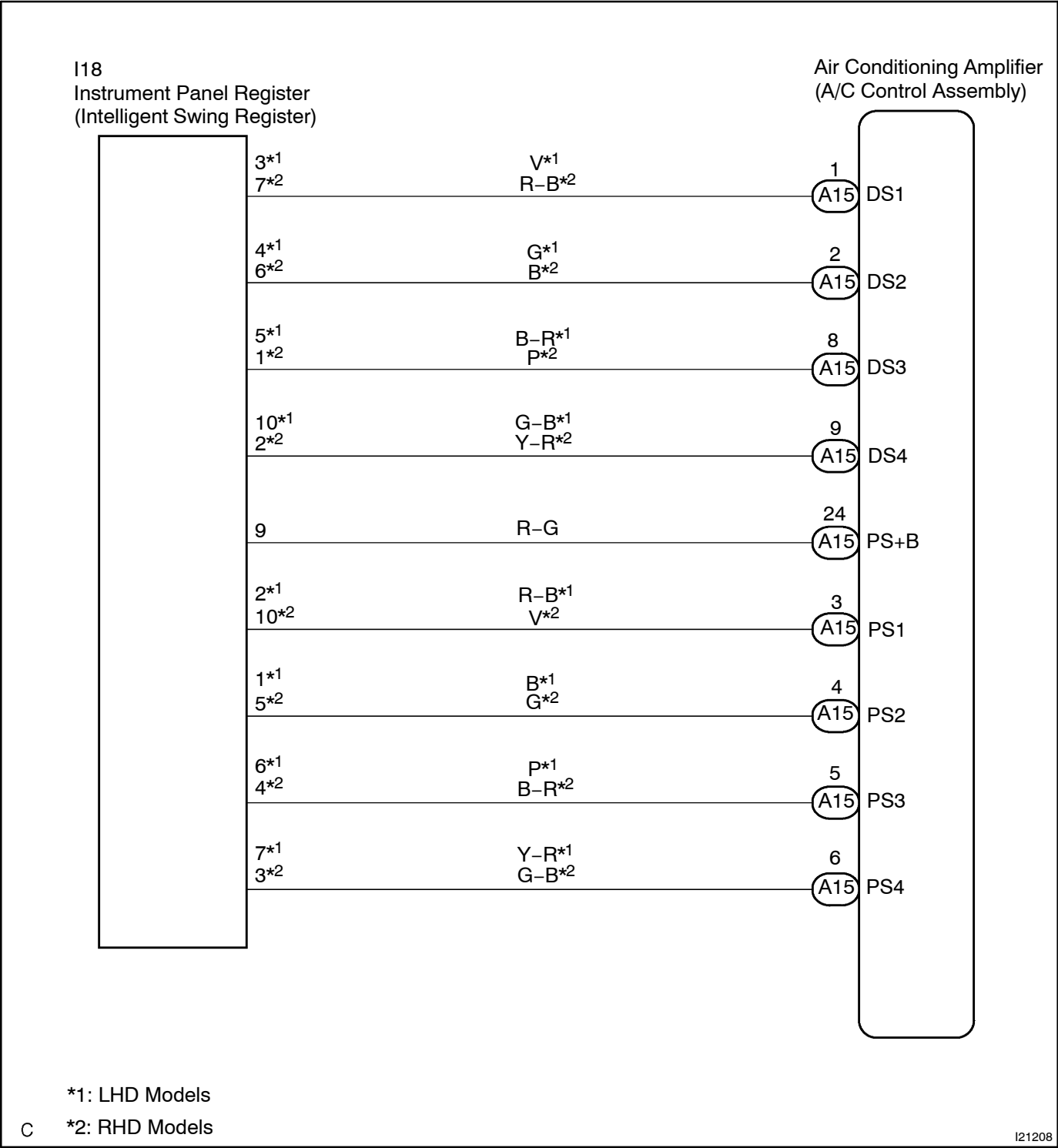


INTELLIGENT SWING REGISTER CIRCUIT

CIRCUIT DESCRIPTION

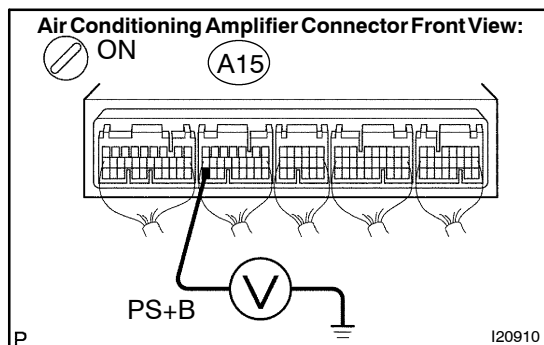
The intelligent swing register is controlled by the A/C amplifier. It is activated by selecting FACE or BI-LEVEL on the mode select switch and turning the swing register switch on.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT AIR CONDITIONING AMPLIFIER



- Remove the A/C amplifier with connectors still connected.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A15-24 (PS+B) - Body ground	Turn the ignition switch to ON position Turn the mode selector to FACE or B/L position Swing switch is pressed	10 to 14 V

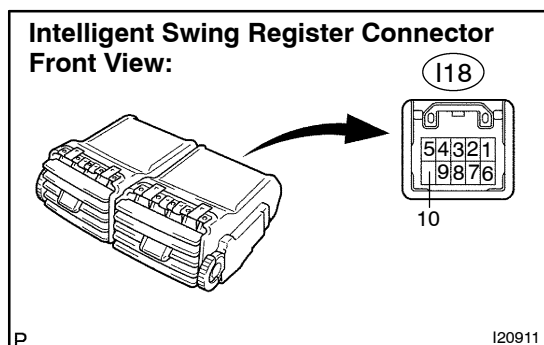
NG

Go to step 2

OK

Go to step 3

2 INSPECT INTELLIGENT SWING REGISTER STEP MOTOR



- Remove the intelligent swing register.
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
I18-9 - I18-3 (2)	Always	279 to 321 Ω
I18-9 - I18-4 (1)	Always	279 to 321 Ω
I18-9 - I18-5 (6)	Always	279 to 321 Ω
I18-9 - I18-10 (7)	Always	279 to 321 Ω

HINT:

(): Passenger side

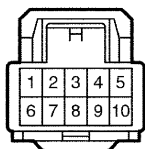
NG

REPLACE INTELLIGENT SWING REGISTER

OK

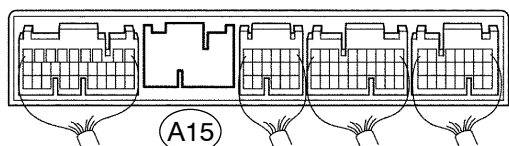
3 CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER - INTELLIGENT SWING REGISTER) (SEE PAGE 01-44)

Intelligent Swing Register Connector Wire Harness View:



I18

Air Conditioning Amplifier Connector Wire Harness View:



P

I36265

- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A15-1 (DS1) - I18-3 *1	Always	Below 1 Ω
A15-1 (DS1) - I18-7 *2	Always	Below 1 Ω
A15-1 (DS1) - Body ground	Always	10 k Ω or higher
A15-2 (DS2) - I18-4 *1	Always	Below 1 Ω
A15-2 (DS2) - I18-6 *2	Always	Below 1 Ω
A15-2 (DS2) - Body ground	Always	10 k Ω or higher
A15-8 (DS3) - I18-5 *1	Always	Below 1 Ω
A15-8 (DS3) - I18-1 *2	Always	Below 1 Ω
A15-8 (DS3) - Body ground	Always	10 k Ω or higher
A15-9 (DS4) - I18-10 *1	Always	Below 1 Ω
A15-9 (DS4) - I18-2 *2	Always	Below 1 Ω
A15-9 (DS4) - Body ground	Always	10 k Ω or higher
A15-24 (PS+B) - I18-9	Always	Below 1 Ω
A15-24 (PS+B) - Body ground	Always	10 k Ω or higher
A15-3 (PS1) - I18-2 *1	Always	Below 1 Ω
A15-3 (PS1) - I18-10 *2	Always	Below 1 Ω
A15-3 (PS1) - Body ground	Always	10 k Ω or higher
A15-4 (PS2) - I18-1 *1	Always	Below 1 Ω
A15-4 (PS2) - I18-5 *2	Always	Below 1 Ω
A15-4 (PS2) - Body ground	Always	10 k Ω or higher
A15-5 (PS3) - I18-6 *1	Always	Below 1 Ω
A15-5 (PS3) - I18-4 *2	Always	Below 1 Ω
A15-5 (PS3) - Body ground	Always	10 k Ω or higher
A15-6 (PS4) - I18-7 *1	Always	Below 1 Ω
A15-6 (PS4) - I18-3 *2	Always	Below 1 Ω
A15-6 (PS4) - Body ground	Always	10 k Ω or higher

HINT:

*1: LHD

*2: RHD

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55-16)