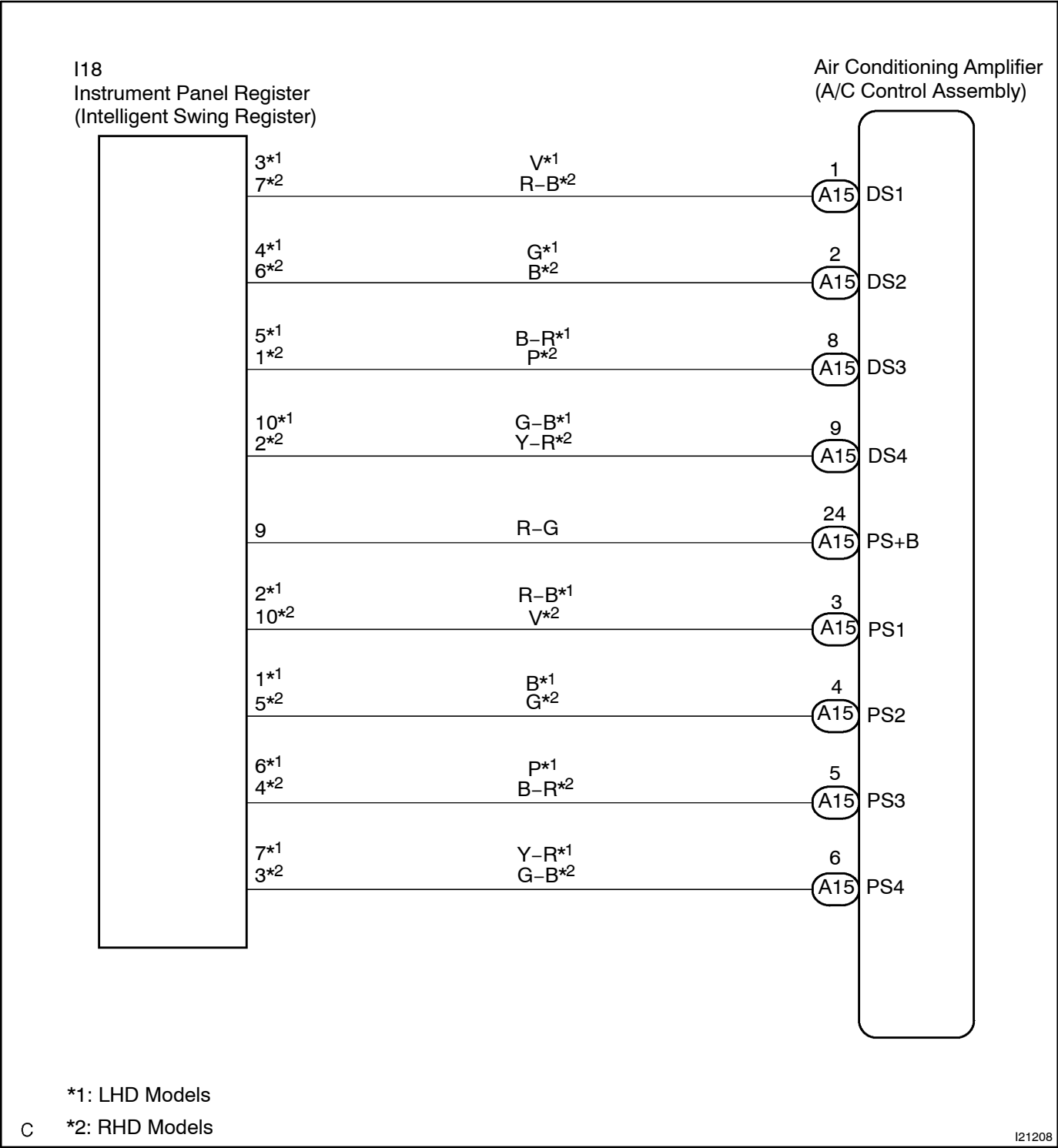


INTELLIGENT SWING REGISTER CIRCUIT

CIRCUIT DESCRIPTION

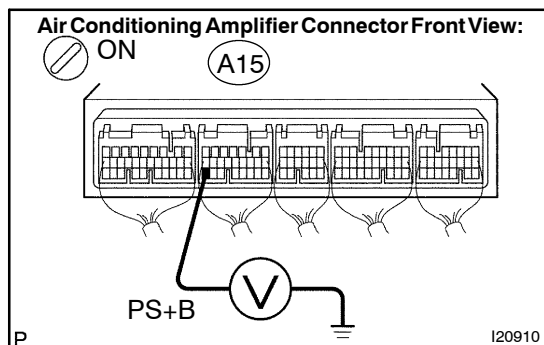
The intelligent swing register is controlled by the A/C amplifier. It is activated by selecting FACE or BI-LEVEL on the mode select switch and turning the swing register switch on.

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

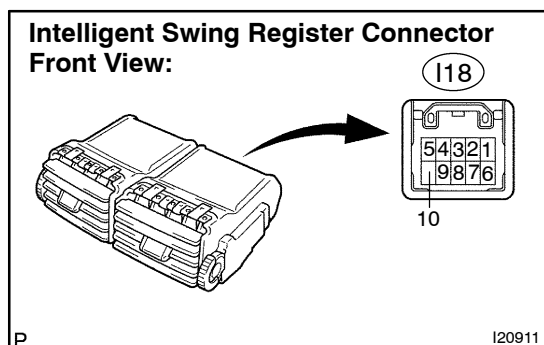
**NG**

**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 $\Omega$
I18-9 - I18-4 (1)	Always	279 to 321 $\Omega$
I18-9 - I18-5 (6)	Always	279 to 321 $\Omega$
I18-9 - I18-10 (7)	Always	279 to 321 $\Omega$

**HINT:**

( ): Passenger side

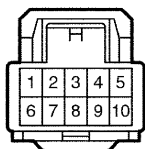
**NG**

**REPLACE INTELLIGENT SWING REGISTER**

**OK**

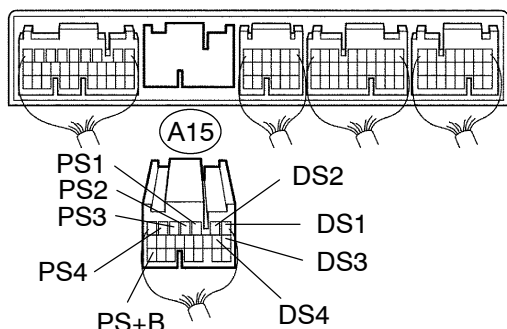
### 3 CHECK HARNESS AND CONNECTOR (AIR CONDITIONING AMPLIFIER - INTELLIGENT SWING REGISTER) (SEE PAGE 01-44)

#### 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 kΩ 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 kΩ 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 kΩ 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 kΩ or higher
A15-24 (PS+B) - I18-9	Always	Below 1 Ω
A15-24 (PS+B) - Body Ground	Always	10 kΩ 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 kΩ 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 kΩ 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 kΩ 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 kΩ or higher

HINT:

\*1: LHD

\*2: RHD

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55-16)