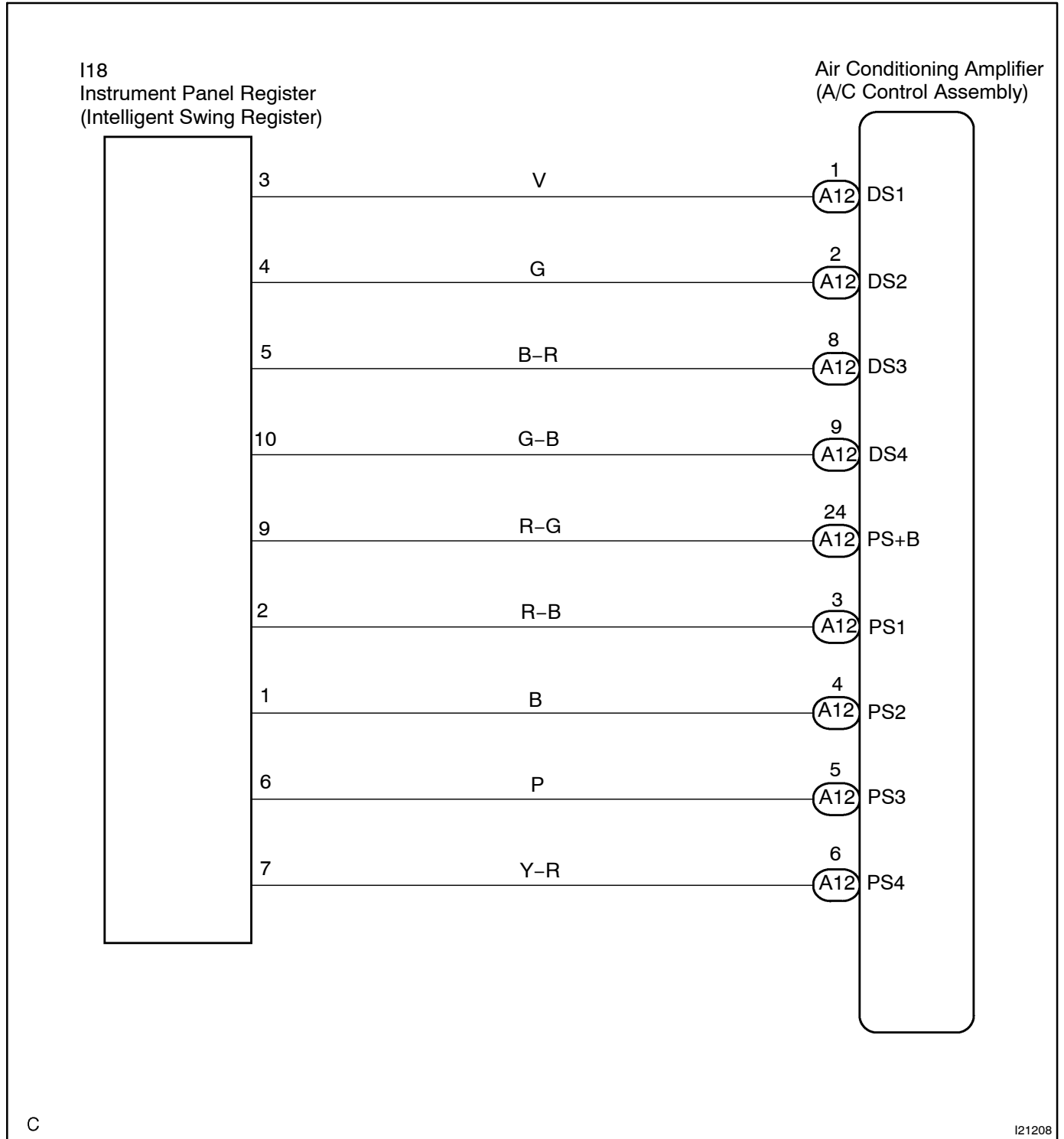


INTELLIGENT SWING REGISTER CIRCUIT

CIRCUIT DESCRIPTION

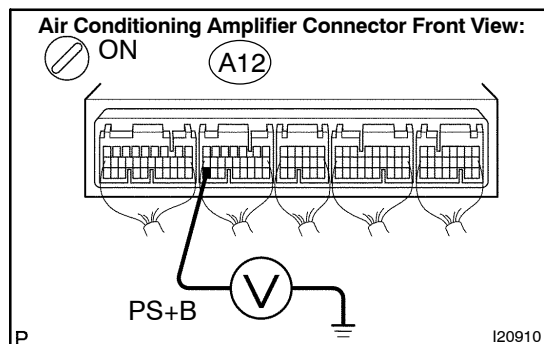
The intelligent swing register is controlled by the A/C amplifier. It is activated by selecting FACE or BI-LEVEL on the mode select switch and turning the swing register switch on.

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:

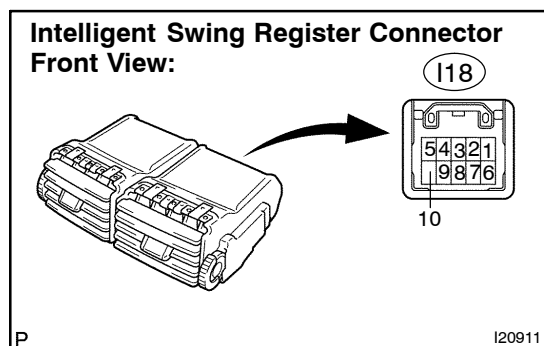
Tester connection	Condition	Specified condition
A12-24 (PS+B) - Body ground	Turn the ignition switch to ON position Turn the mode selector to FACE or B/L position Swing switch is pressed	10 to 14 V

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

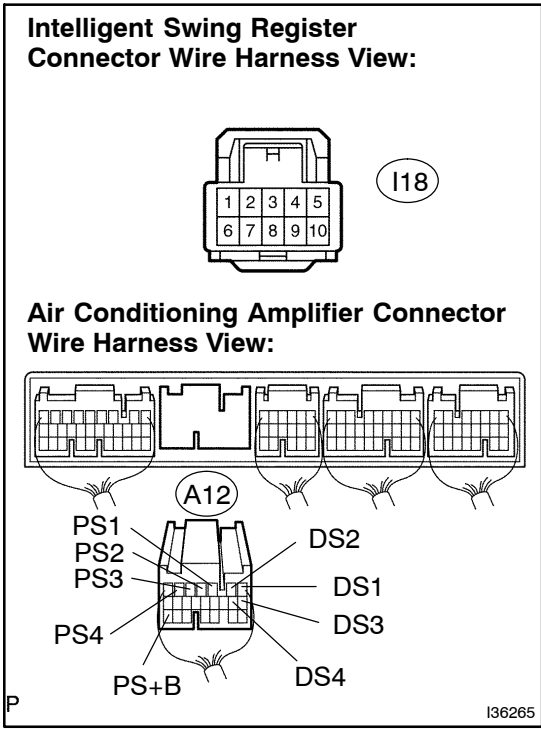
HINT:

(): Passenger side

NG → REPLACE INTELLIGENT SWING REGISTER

OK

3 CHECK HARNESS AND CONNECTOR(AIR CONDITIONING AMPLIFIER - INTELLIGENT SWING REGISTER) (SEE PAGE 01-42)



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

Standard:

Tester connection	Condition	Specified condition
A12-1 (DS1) - I18-3	Always	Below 1 Ω
A12-1 (DS1) - Body ground	Always	10 kΩ or higher
A12-2 (DS2) - I18-4	Always	Below 1 Ω
A12-2 (DS2) - Body ground	Always	10 kΩ or higher
A12-8 (DS3) - I18-5	Always	Below 1 Ω
A12-8 (DS3) - Body ground	Always	10 kΩ or higher
A12-9 (DS4) - I18-10	Always	Below 1 Ω
A12-9 (DS4) - Body ground	Always	10 kΩ or higher
A12-24 (PS+B) - I18-9	Always	Below 1 Ω
A12-24 (PS+B) - Body ground	Always	10 kΩ or higher
A12-3 (PS1) - I18-2	Always	Below 1 Ω
A12-3 (PS1) - Body ground	Always	10 kΩ or higher
A12-4 (PS2) - I18-1	Always	Below 1 Ω
A12-4 (PS2) - Body ground	Always	10 kΩ or higher
A12-5 (PS3) - I18-6	Always	Below 1 Ω
A12-5 (PS3) - Body ground	Always	10 kΩ or higher
A12-6 (PS4) - I18-7	Always	Below 1 Ω
A12-6 (PS4) - Body ground	Always	10 kΩ or higher

NG REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIR CONDITIONING AMPLIFIER (SEE PAGE 55-16)