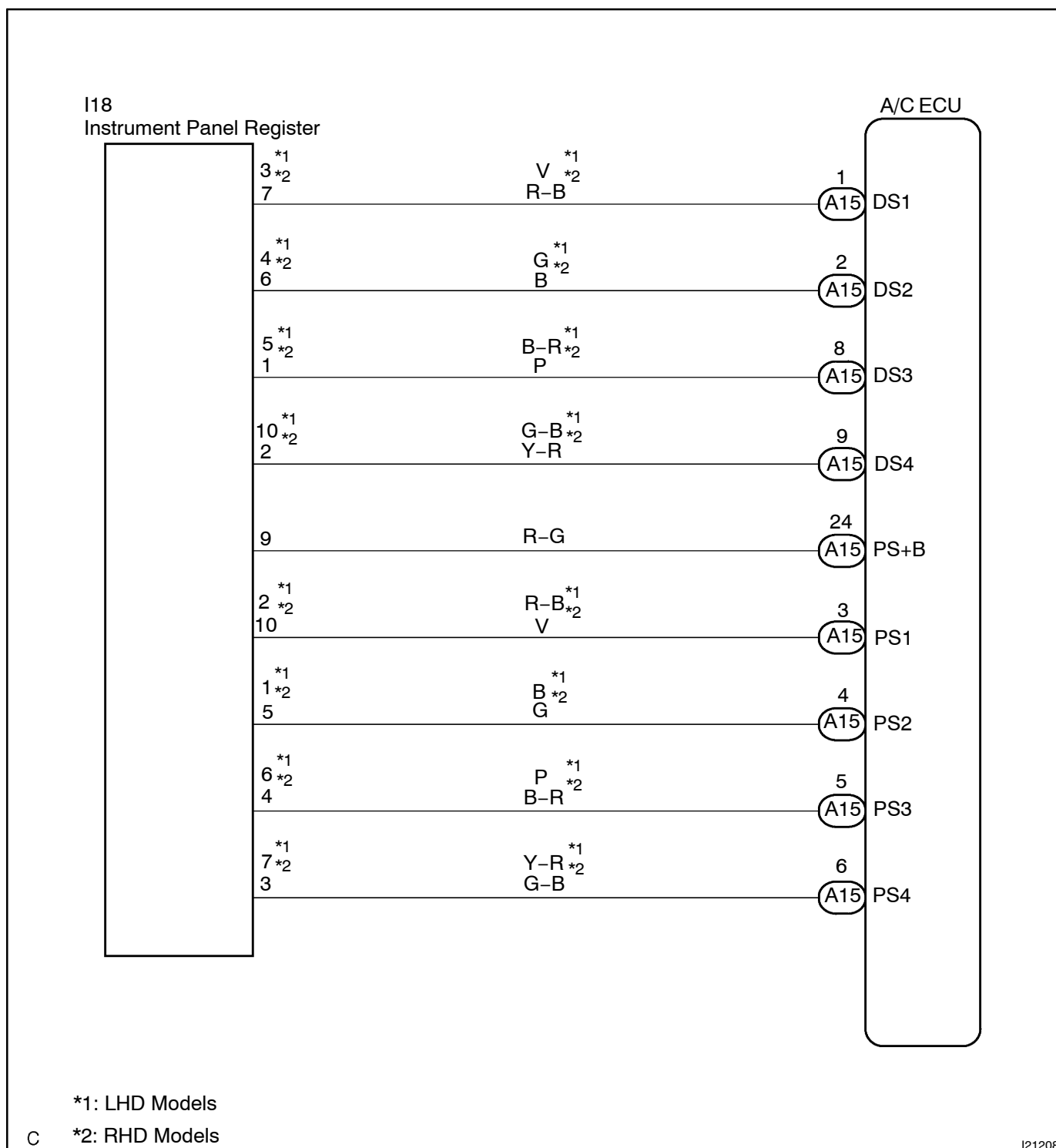DI8CH–01

Intelligent Swing Register Circuit
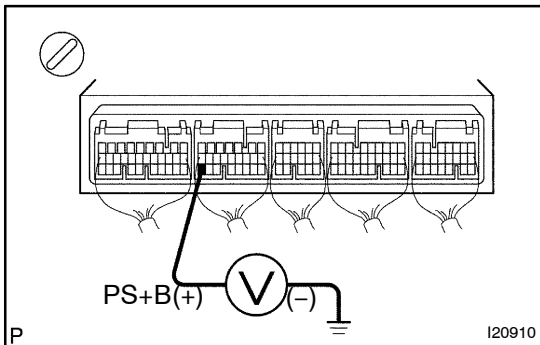
CIRCUIT DESCRIPTION

The intelligent swing register is controlled by the A/C ECU. It is activated by selecting a FACE or BI–LEVEL of mode select switch and turning ON the swing register switch.

WIRING DIAGRAM

I18
Instrument Panel Register

A/C ECU

3 *1 7 *2	V *1 R–B *2	1 (A15) DS1
4 *1 6 *2	G *1 B *2	2 (A15) DS2
5 *1 1 *2	B–R *1 P *2	8 (A15) DS3
10 *1 2 *2	G–B *1 Y–R *2	9 (A15) DS4
9	R–G	24 (A15) PS+B
2 *1 10 *2	R–B *1 V *2	3 (A15) PS1
1 *1 5 *2	B *1 G *2	4 (A15) PS2
6 *1 4 *2	P *1 B–R *2	5 (A15) PS3
7 *1 3 *2	Y–R *1 G–B *2	6 (A15) PS4

*1: LHD Models

C   *2: RHD Models

I21208

INSPECTION PROCEDURE

1	Check voltage between terminals PS+B of A/C ECU connector.

PREPARATION:
Remove A/C ECU with connectors still connected.
CHECK:
(a)   Turn ignition switch to ON.
(b)   Set mode selector to FACE or B/L.
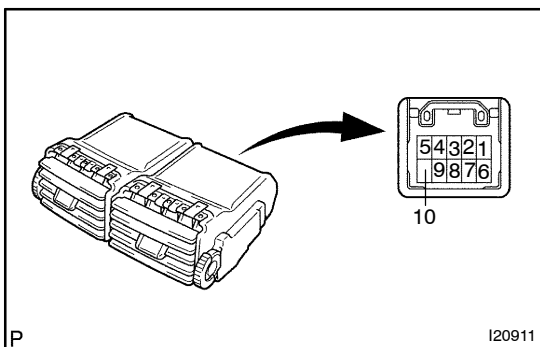(c)   Measure voltage between terminals PS+B of A/C ECU when SWING switch is pressed.
OK:

Voltage : Battery voltage

OK 〉	**Go to step 3.**

NG

2	Check intelligent swing resister step motor.

PREPARATION:
Remove intelligent swing register.
CHECK:
Measure resistance between terminals 9 and other terminals.
OK:

Terminal No.					Standard Value
3 (2)	4 (1)	9	5 (6)	10 (7)	
(−)		(+)			279 – 321 Ω
	(−)	(+)			279 – 321 Ω
		(+)	(−)		279 – 321 Ω
		(+)		(−)	279 – 321 Ω

○: Battery terminal
( ): Passenger Side

NG 〉	**Replace intelligent swing register.**

OK

3	Check harness and connector between intelligent swing register and A/C ECU (See page IN−35).

NG ⟩ Check and replace harness and connector.

OK

Check and replace A/C ECU.