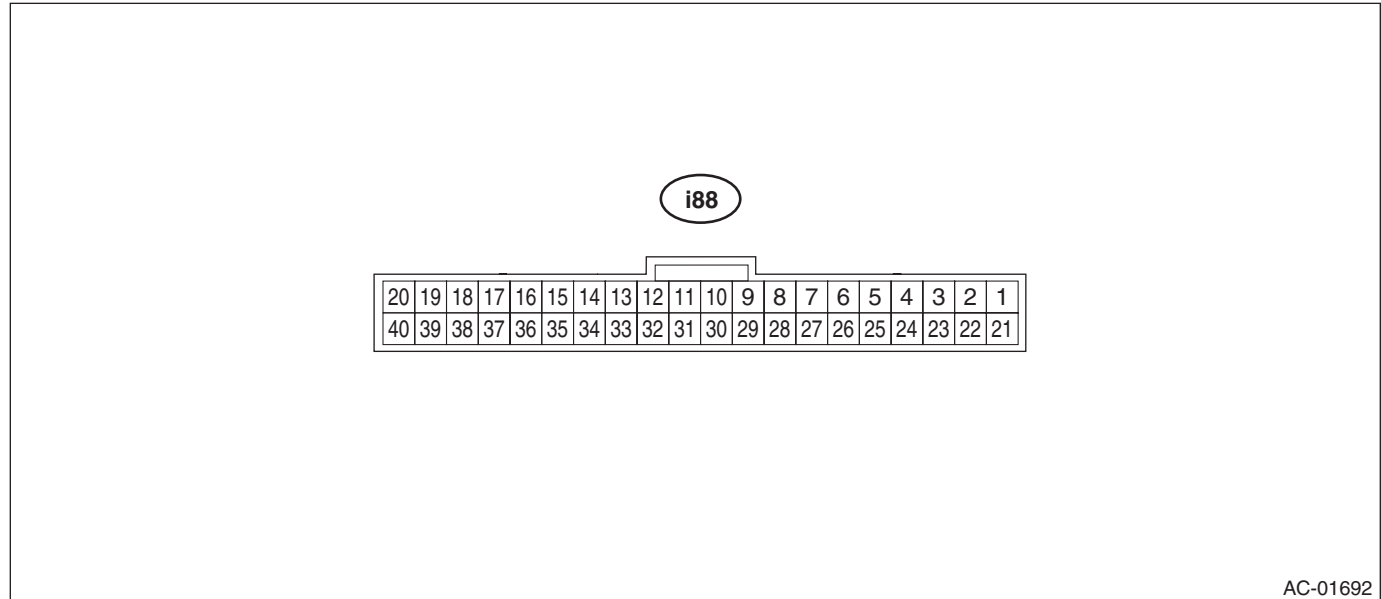


Auto A/C Control Module I/O Signal

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

4. Auto A/C Control Module I/O Signal

A: ELECTRICAL SPECIFICATION



AC-01692

Terminal No.	Content	Measuring condition	Specification
1	Mode actuator # 4	Actuator operating	8 V or more
2	Mode actuator # 3	Actuator operating	8 V or more
3	Mode actuator # 2	Actuator operating	8 V or more
4	Mode actuator # 1	Actuator operating	8 V or more
6	Intake door actuator (FRESH)	FRESH mode	1 V or less
7	Intake door actuator (MIX)	MIX mode	1 V or less
8	Intake door actuator (RECIRC)	RECIRC mode	1 V or less
9	Blower fan ON signal	Blower fan is ON	1 V or less
11	A/C cut-off signal	A/C is cut off	1 V or less
14	GND for sensors	Always	1 V or less
15	ACC power supply	ACC ON	Battery voltage
16	Sunload sensor	Sunlight is contacting sensor	1 — 4 V
17	RECIRC sensor	Ignition switch ON	25°C: 2.5 V
18	Post evaporator sensor	Depends on temperature after the evaporator.	1 — 4.5 V
19	CAN Lo	Digital signal; can not be measured	—
20	CAN Hi	Digital signal; can not be measured	—
25	Air mix actuator #4	Air mix actuator is operating	8 V or more
26	Air mix actuator #3	Air mix actuator is operating	8 V or more
27	Air mix actuator #2	Air mix actuator is operating	8 V or more
28	Air mix actuator #1	Air mix actuator is operating	8 V or more
31	BATT	Always	Battery voltage
32	IGN	Ignition ON	Battery voltage
34	Ground	Always	1 V or less
36	A/C ON signal	A/C is operating	8 V or more
35	ILL-	Illumination ON (measure between 37 — 35)	Battery voltage
37	ILL+		
39	Rr defogger switch output	When the rear defogger switch is ON	1 V or less
40	Fan control signal	Ignition switch : ON, Blower switch : ON	8 V or more

Auto A/C Control Module I/O Signal

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

B: WIRING DIAGRAM

1. AIR CONDITIONER AUTO A/C MODEL

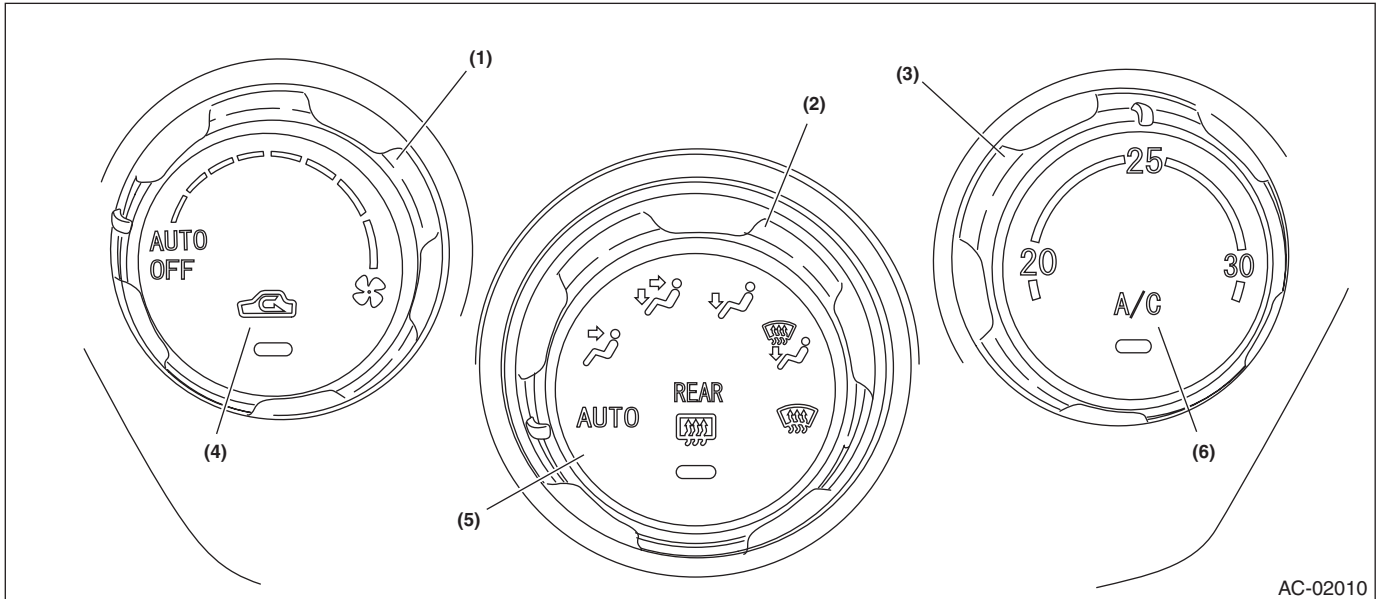
<Ref. to WI-65, WIRING DIAGRAM, Air Conditioning System.>

Diagnostic Chart for Self-Diagnosis

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

5. Diagnostic Chart for Self-Diagnosis

A: OPERATION



AC-02010

- | | | |
|---------------------------|---------------------------------|---------------------------------|
| (1) Fan dial | (3) Temperature adjustment dial | (5) Rear window defogger switch |
| (2) Air flow control dial | (4) FRESH/RECIRC switch | (6) A/C switch |