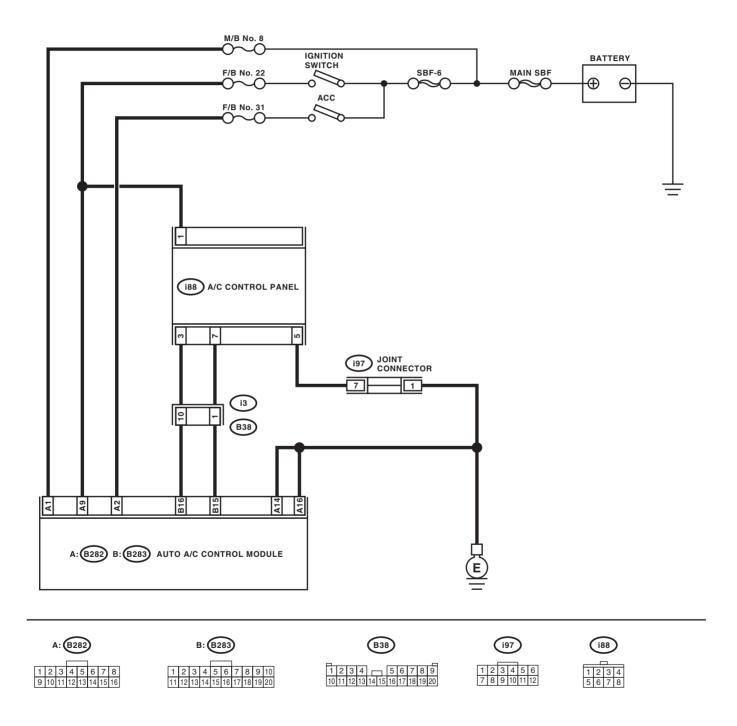
A: A/C OR SELF-DIAGNOSIS SYSTEMS DO NOT OPERATE

TROUBLE SYMPTOM:

- Set temperature is not indicated on the display, switch LEDs are faulty and switches do not operate.
- Self-diagnosis system does not operate.

WIRING DIAGRAM:



AC-01167

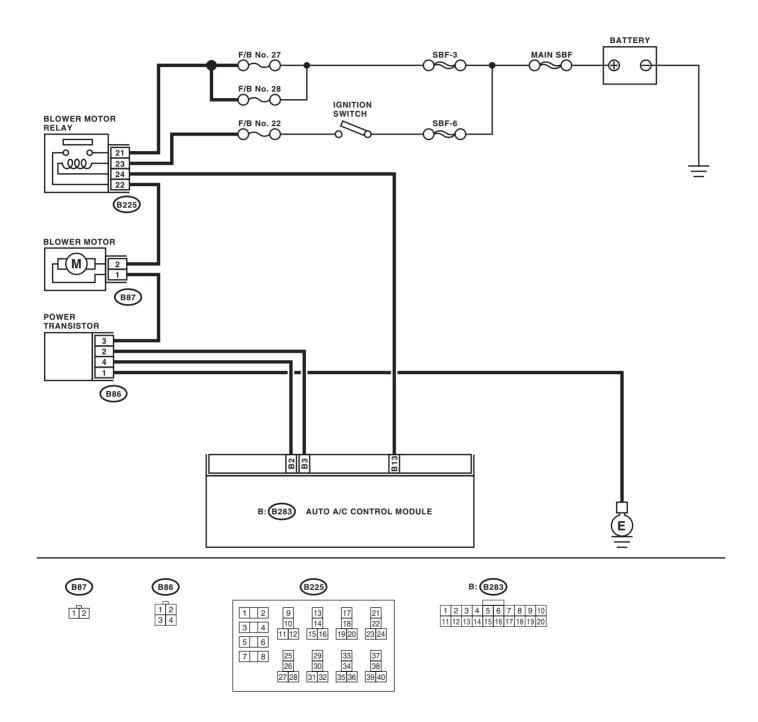
	Step	Check	Yes	No
1	CHECK FUSE.	Is the fuse blown out?	Replace the fuse.	Go to step 2.
	Turn the ignition switch to OFF.			5.5 to 5top =.
	2) Remove the fuse No. 8 from main fuse box.			
	3) Check the condition of fuse.			
2	CHECK FUSE.	Is the fuse blown out?	Replace the fuse.	Go to step 3.
	 Turn the ignition switch to OFF. 			
	2) Remove the fuse No. 22 and No. 31 from			
	fuse & relay box.			
	Check the condition of fuse.			
3	CHECK A/C CONTROL PANEL POWER CIR-	Is the voltage more than 10 V?	Go to step 4.	Check for open or
	CUIT.			short circuit in the
	Measure the voltage between A/C control			harness between
	panel harness connector terminal and chassis			A/C control panel
	ground after turning the ignition switch to ON.			and fuse.
	Connector & terminal			
4	(i88) No. 1 (+) — Chassis ground (-): CHECK A/C CONTROL PANEL GROUND	le the registeres less than 10	Co to oton E	Danair the har
4	POWER CIRCUIT.	Is the resistance less than 10 Ω ?	Go to step 5.	Repair the har- ness for ground
	Measure the resistance of harness between A/			line.
	C control panel and chassis ground after turn-			iii i G.
	ing the ignition switch to OFF.			
	Connector & terminal			
	(i88) No. 5 — Chassis ground:			
5	CHECK AUTO A/C CONTROL MODULE	Is the voltage more than 10 V?	Go to step 6.	Check open or
	POWER CIRCUIT.	ğ		short circuit of har-
	Measure the voltage between auto A/C control			ness between auto
	module connector terminal and chassis ground			A/C control mod-
	after turning the ignition switch OFF.			ule and fuse.
	Connector & terminal			
	(B282) No. 1 (+) — Chassis ground (–):		_	
6	CHECK AUTO A/C CONTROL MODULE	Is the voltage more than 10 V?	Go to step 7.	Check open or
	POWER CIRCUIT.			short circuit of har-
	Measure the voltage between auto A/C control			ness between auto A/C control mod-
	module connector terminal and chassis ground after turning the ignition switch to ACC.			ule and fuse.
	Connector & terminal			ule and luse.
	(B282) No. 2 (+) — Chassis ground (–):			
7	CHECK AUTO A/C CONTROL MODULE	Is the voltage more than 10 V?	Go to sten 8	Check open or
-	POWER CIRCUIT.	le une venage mere man re v.	Go to stop C.	short circuit of har-
	Measure the voltage between auto A/C control			ness between auto
	module connector terminal and chassis ground			A/C control mod-
	after turning the ignition switch to the ON posi-			ule and fuse.
	tion.			
	Connector & terminal			
	(B282) No. 9 (+) — Chassis ground (–):		_	
8	CHECK AUTO A/C CONTROL MODULE	Is the resistance less than 5	Go to step 9.	Repair the har-
	GROUND CIRCUIT.	Ω?		ness for ground
	Measure the resistance of harness between			line.
	auto A/C control module and chassis ground.			
	Connector & terminal			
ο .	(B282) No. 14, No. 16 — Chassis ground: CHECK COMMUNICATION CIRCUIT.	Is the resistance less than 1	Go to stan 10	Renair the har
9	Measure the resistance of harness between A/		Go to step 10.	Repair the harness.
	C control panel and auto A/C control module.	22:		11000.
	Connector & terminal			
	(i88) No. 3 — (B283) No. 16:			
	(i88) No. 7 — (B283) No. 15:			
10	CHECK POOR CONTACT.	Is there poor contact in the	Repair the con-	Replace the auto
	Check poor contact of auto A/C control module	connector?	nector.	A/C control mod-
	connector.			ule.
		1	l .	1

B: BLOWER FAN DOES NOT ROTATE.

TROUBLE SYMPTOM:

- · Blower motor does not rotate.
- · Blower motor does not rotate in "HI".

WIRING DIAGRAM:

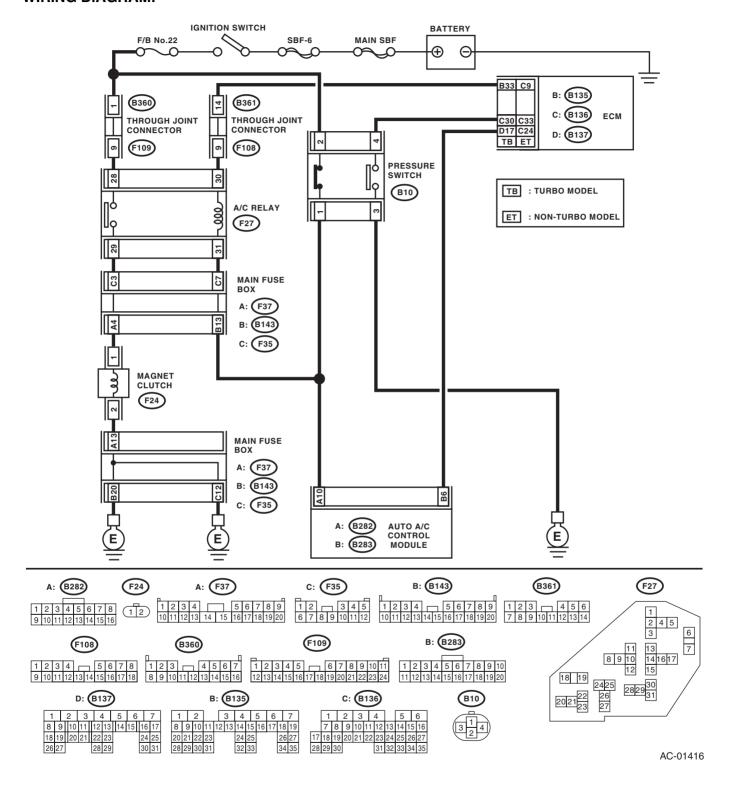


AC-01168

	Step	Check	Yes	No
1	CHECK FUSE. 1) Remove fuse No. 22, 27 and 28 from fuse & relay box. 2) Check the condition of fuse.	Is any fuse blown out?	Replace the fuse.	Go to step 2.
2	CHECK POWER SUPPLY FOR BLOWER MOTOR. 1) Turn the ignition switch to ON. 2) Turn the blower switch to ON. 3) Measure the voltage between blower motor and chassis ground. Connector & terminal (B87) No. 2 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Go to step 3.	Repair the open circuit of blower motor power supply line harness.
3	CHECK BLOWER MOTOR RELAY. 1) Turn the ignition switch to OFF. 2) Remove the blower motor relay. 3) Connect the battery positive (+) terminal to terminal No. 23 of blower motor relay, and negative (–) terminal to terminal No. 24. 4) Measure the resistance between terminals No. 21 and No. 22. Terminal (B225) No. 21 — (B225) No. 22:	Is the resistance less than 1 Ω ?	Go to step 4.	Replace the blower motor relay.
4	CHECK BLOWER MOTOR. 1) Disconnect the connector from the blower motor. 2) Connect the battery positive (+) terminal to terminal No. 2 of blower motor connector, and negative (-) terminal to terminal No. 1. 3) Make sure the blower motor runs.	Does the blower motor run?	Go to step 5.	Replace the blower motor.
5	CHECK POOR CONTACT.	Is there poor contact in the connector?	Repair the connector.	Replace the auto A/C control module.

C: COMPARTMENT TEMPERATURE DOES NOT CHANGE, OR A/C SYSTEM DOES NOT RESPOND PROMPTLY.

WIRING DIAGRAM:



	Step	Check	Yes	No
1 0	CHECK FUSE.	Is the fuse blown out?	Replace the fuse.	Go to step 2.
	Turn the ignition switch to OFF.	is the lase blown out:	riepiace trie iuse.	do to step 2.
	P) Remove the fuse No. 22 from fuse & relay			
	00X.			
	B) Check the condition of fuse.			
	CHECK SIGNAL TO A/C RELAY AND A/C	Is the voltage more than 10 V?	Go to step 5.	Go to step 3.
	CONTROL MODULE.	-	•	-
1) Disconnect the A/C relay and auto A/C con-			
-	rol module harness connector.			
	2) Turn the ignition switch to ON.			
	Measure the voltage between A/C relay			
	connector terminal and chassis ground.			
	Measure the voltage between auto A/C			
	control module harness connector terminal			
a	and chassis ground.			
	Connector & terminal			
	(F27) No. 31 (+) — Chassis ground (-):			
2	(B282) No. 10 (+) — Chassis ground (-): CHECK POWER SUPPLY FOR PRESSURE	le the voltage mare than 10 1/2	Co to stop 4	Charle for onen or
	SWITCH.	Is the voltage more than 10 V?	GO 10 SIEP 4.	Check for open or short circuit in the
_	Turn the ignition switch to OFF.			harness between
	2) Disconnect the pressure switch harness			fuse and pressure
	connector.			switch.
_	B) Turn the ignition switch to ON.			OWITOH.
	Measure the voltage between pressure			
	witch harness connector terminal and chassis			
g	ground.			
1	Connector & terminal			
	(B10) No. 2 (+) — Chassis ground (–):			
	CHECK HARNESS BETWEEN PRESSURE	Is the resistance less than 1	Check the pres-	Repair the har-
	,	Ω?	sure switch. <ref.< th=""><th>ness.</th></ref.<>	ness.
	ROL MODULE.		to AC-40,	
	Turn the ignition switch to OFF.		INSPECTION,	
	2) Measure the resistance of harness		Pressure Switch	
	between pressure switch connector and A/C		(Triple Pressure	
	elay connector. B) Measure the resistance of harness		Switch).>	
	petween pressure switch connector and auto			
	VC control module connector.			
'	Connector & terminal			
	(B10) No. 1 — (F27) No. 31:			
	(B10) No. 1 — (B282) No. 10:			
5 C	CHECK POWER SUPPLY FOR A/C RELAY.	Is the voltage more than 10 V?	Go to step 6.	Check open or
	Measure the voltage between A/C relay con-		r -	short circuit of har-
	nector terminal and chassis ground.			ness between fuse
1	Connector & terminal			and A/C relay.
	(F27) No. 28 (+) — Chassis ground (–):			
6 C	CHECK A/C RELAY.	Is there a malfunction in the A/	Replace the A/C	Go to step 7.
		C relay?	relay.	
T	ΓΙΟΝ, Relay and Fuse.>			

	Step	Check	Yes	No
7	CHECK A/C ON SIGNAL.	Is the voltage more than 5.5 V?		Go to step 8.
	Turn the ignition switch to OFF.	lo the voltage more than 6.6 v.	Go to stop o .	Go to stop c .
	2) Connect the A/C relay and all disconnected			
	connectors.			
	3) Start the engine and turn the AUTO switch			
	to ON.			
	Turn the temperature control dial at maxi-			
	mum cool position.			
	5) Measure the voltage between auto A/C			
	control module harness connector terminal			
	and chassis ground.			
	Connector & terminal			
	(B283) No. 6 (+) — Chassis ground (–):			
8	CHECK HARNESS BETWEEN AUTO A/C	Is the resistance less than 1	Replace the auto	Repair the har-
	CONTROL MODULE AND ECM.	Ω ?	A/C control mod-	ness.
	Turn the ignition switch to OFF.		ule.	
	Disconnect the harness connector of auto			
	A/C control module and ECM.			
	3) Measure the resistance of harness			
	between auto A/C control module connector			
	and ECM connector.			
	Connector & terminal			
	Turbo model			
	(B283) No. 6 — (B137) No. 17:			
	without turbo model			
	(B283) No. 6 — (B136) No. 24:			
9	CHECK MAGNET CLUTCH ON SIGNAL.	Is the voltage more than 10 V?	Go to step 10.	Check for open or
	1) Stop the engine, and turn the AUTO switch		'	short circuit in the
	to OFF.			harness between
	Turn the ignition switch to ON.			A/C relay and
	3) Measure the voltage between ECM con-			ECM.
	nector terminal and chassis ground.			
	Connector & terminal			
	Turbo model			
	(B135) No. 33 (+) — Chassis ground (–):			
	without turbo model			
	(C136) No. 9 — Chassis ground:			
10	CHECK MAGNET CLUTCH ON SIGNAL.	Is the voltage 0 V?	Go to step 11.	Replace the ECM.
	 Start the engine and turn the AUTO switch 			
	to ON.			
	Turn the temperature control dial at maxi-			
	mum cool position.			
	Measure the voltage between ECM con-			
	nector terminal and chassis ground.			
	Connector & terminal			
	Turbo model			
	(B135) No. 33 (+) — Chassis ground (–):			
	without turbo model			
	(C136) No. 9 — Chassis ground:			

	Step	Check	Yes	No
11	CHECK POWER SUPPLY FOR MAGNET CLUTCH. 1) Stop the engine, and turn the AUTO switch to OFF. 2) Disconnect the harness connector of magnet clutch. 3) Start the engine and turn the AUTO switch to ON. 4) Turn the temperature control dial at maximum cool position. 5) Measure the voltage between magnet clutch harness connector terminal and chassis ground. Connector & terminal (F24) No. 1 (+) — Chassis ground (-):	Is the voltage more than 10 V?	Go to step 12.	Check for open or short circuit in the harness between A/C relay and magnet clutch.
12	CHECK HARNESS BETWEEN AUTO A/C CONTROL MODULE AND ECM. 1) Stop the engine, and turn the AUTO switch to OFF. 2) Measure the resistance between magnet clutch harness connector terminal and chassis ground. Connector & terminal (F24) No. 2 — Chassis ground:	Is the resistance less than 1 Ω ?	Inspect the compressor. <ref. ac-33,="" compressor.="" inspection,="" to=""></ref.>	Repair the harness.