

2012 - Mazda6 - HVAC

NO.2 AMOUNT OF AIR BLOWN FROM VENTS DOES NOT CHANGE [MANUAL AIR CONDITIONER]

2	Amount of air blown from vents does not change.
DESCRIPTION	• Malfunction in blower system.
POSSIBLE CAUSE	• Blower relay, blower motor, resistor, fan switch (integrated in climate control unit.) malfunction • Blower unit malfunction

- When performing an asterisked (*) troubleshooting inspection, shake the wiring harness and connectors while performing the inspection to discover whether poor contact points are the cause of any intermittent malfunctions.

If there is a problem, check to make sure connectors, terminals and wiring harnesses are connected correctly and undamaged.

Diagnostic procedure

STEP	INSPECTION	ACTION
1	INSPECT BLOWER SYSTEM • Inspect the following systems and electrical parts. ▪ Blower relay ▪ Blower motor ▪ Resistor ▪ Fan switch (integrated in climate control unit) ▪ Related wiring harness • Are they okay?	YesGo to the next step.
		NoRepair or replace malfunctioning part, then go to Step 5.
2	CHECK TO SEE WHETHER	YesGo to Step 4.

	MALFUNCTION IS IN BLOWER UNIT OR ELSEWHERE • Switch the ignition to ON. • Turn the fan switch to on. • Recirculate air inside vehicle. • Does fan in blower unit rotate smoothly?	No	Go to the next step.
3	INSPECT BLOWER UNIT • Inspect fan in blower unit. ▪ Is fan free of interference from blower unit case? ▪ Is fan free of foreign material and obstruction? • Is fan okay?	Yes	Go to the next step.
		No	Remove obstruction, repair or replace fan and blower unit case, then go to Step 6.
4	INSPECT BLOWER UNIT INTAKE VENT • Is blower unit intake vent clogged?	Yes	Go to the next step.
		No	Inspect if there are any obstructions in passage between blower unit and A/C unit, then go to Step 6.
5	INSPECT PASSAGE BETWEEN BLOWER UNIT AND A/ C UNIT • Inspect if there are any foreign materials or obstructions in passage between blower unit and A/C. • Is there any obstructions detected?	Yes	Remove obstruction, go to the next step.
		No	Replace the climate control unit. (See CLIMATE CONTROL UNIT REMOVAL/ INSTALLATION [MANUAL AIR CONDITIONER] .)
6	VERIFY THAT MALFUNCTION SYMPTOM OCCURS AFTER REPAIR • Does air blow out?	Yes	Troubleshooting completed. Explain repairs to customer.
		No	Recheck malfunction symptoms, then repeat from Step 1 if malfunction recurs.

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