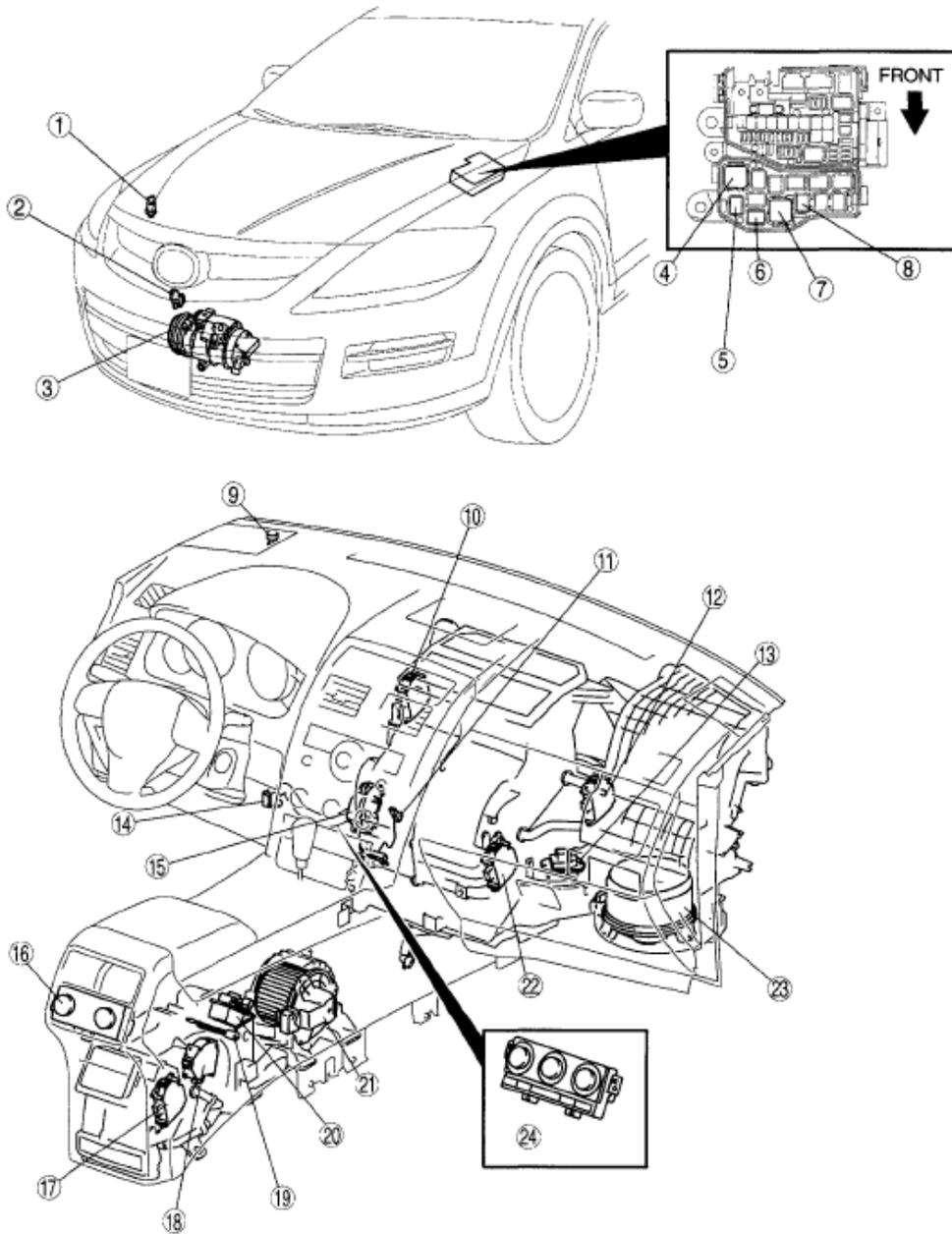


2008 HVAC

Control System (HVAC) - Mazda CX-9

HVAC CONTROL SYSTEM LOCATION INDEX



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Fig. 1: Identifying HVAC Control System Location Index (1 Of 2)
Courtesy of MAZDA MOTORS CORP.

2008 Mazda CX-9 Grand Touring

2008 HVAC Control System (HVAC) - Mazda CX-9

1	Refrigerant pressure switch (See 07-40-22 REFRIGERANT PRESSURE SWITCH REMOVAL/INSTALLATION.) (See 07-40-22 REFRIGERANT PRESSURE SWITCH INSPECTION.)	17	Rear airflow mode actuator (See 07-40-11 REAR AIRFLOW MODE ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-11 REAR AIRFLOW MODE ACTUATOR INSPECTION.)
2	Ambient temperature sensor (See 07-40-18 AMBIENT TEMPERATURE SENSOR REMOVAL/INSTALLATION.) (See 07-40-19 AMBIENT TEMPERATURE SENSOR INSPECTION.)	18	Rear air mix actuator (See 07-40-8 REAR AIR MIX ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-8 REAR AIR MIX ACTUATOR INSPECTION.)
3	Magnetic clutch (See 07-40-15 MAGNETIC CLUTCH DISASSEMBLY/ASSEMBLY.) (See 07-40-16 MAGNETIC CLUTCH ADJUSTMENT.) (See 07-40-17 MAGNETIC CLUTCH INSPECTION.)	19	Rear evaporator temperature sensor (See 07-40-21 REAR EVAPORATOR TEMPERATURE SENSOR REMOVAL/INSTALLATION.) (See 07-40-21 REAR EVAPORATOR TEMPERATURE SENSOR INSPECTION.)
4	Front blower relay (See 09-21-6 RELAY INSPECTION.)	20	Rear power MOS FET (See 07-40-14 REAR POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (POWER MOS FET) REMOVAL/INSTALLATION.) (See 07-40-15 REAR POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (POWER MOS FET) INSPECTION.)
5	Rear window defroster relay (See 09-21-6 RELAY INSPECTION.)	21	Rear blower motor (See 07-40-12 REAR BLOWER MOTOR REMOVAL/INSTALLATION.) (See 07-40-12 FRONT BLOWER MOTOR INSPECTION.)
6	A/C relay (See 09-21-6 RELAY INSPECTION.)	22	Passenger-side front air mix actuator (See 07-40-5 FRONT AIR MIX ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-6 FRONT AIR MIX ACTUATOR INSPECTION.)
7	Rear blower relay (See 09-21-6 RELAY INSPECTION.)	23	Front blower motor (See 07-40-12 FRONT BLOWER MOTOR REMOVAL/INSTALLATION.) (See 07-40-12 FRONT BLOWER MOTOR INSPECTION.)
8	Seat warmer relay (See 09-21-6 RELAY INSPECTION.)	24	Front climate control unit (See 07-40-23 FRONT CLIMATE CONTROL UNIT REMOVAL/INSTALLATION.) (See 07-40-23 FRONT CLIMATE CONTROL UNIT INSPECTION.)
9	Solar radiation sensor (See 07-40-17 SOLAR RADIATION SENSOR REMOVAL/INSTALLATION.) (See 07-40-18 SOLAR RADIATION SENSOR INSPECTION.)		
10	Front airflow mode actuator (See 07-40-9 FRONT AIRFLOW MODE ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-10 FRONT AIRFLOW MODE ACTUATOR INSPECTION.)		
11	Front evaporator temperature sensor (See 07-40-20 FRONT EVAPORATOR TEMPERATURE SENSOR REMOVAL/INSTALLATION.) (See 07-40-20 FRONT EVAPORATOR TEMPERATURE SENSOR INSPECTION.)		
12	Air intake actuator (See 07-40-4 AIR INTAKE ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-4 AIR INTAKE ACTUATOR INSPECTION.)		
13	Front power MOS FET (See 07-40-13 FRONT POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (POWER MOS FET) REMOVAL/INSTALLATION.) (See 07-40-14 FRONT POWER METAL OXIDE SEMICONDUCTOR FIELD EFFECT TRANSISTOR (POWER MOS FET) INSPECTION.)		
14	Cabin temperature sensor (See 07-40-19 CABIN TEMPERATURE SENSOR REMOVAL/INSTALLATION.) (See 07-40-20 CABIN TEMPERATURE SENSOR INSPECTION.)		
15	Driver-side front air mix actuator (See 07-40-5 FRONT AIR MIX ACTUATOR REMOVAL/INSTALLATION.) (See 07-40-6 FRONT AIR MIX ACTUATOR INSPECTION.)		
16	Rear climate control unit (See 07-40-30 REAR CLIMATE CONTROL UNIT REMOVAL/INSTALLATION.) (See 07-40-30 REAR CLIMATE CONTROL UNIT INSPECTION.)		

Fig. 2: Identifying HVAC Control System Location Index (2 Of 2)

Courtesy of MAZDA MOTORS CORP.

AIR INTAKE ACTUATOR REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the dashboard under cover. (Passenger side) (See **DASHBOARD UNDER COVER REMOVAL/INSTALLATION** .)
3. Remove the glove compartment. (See **GLOVE COMPARTMENT REMOVAL/INSTALLATION** .)
4. Insert a flathead screwdriver as shown in the figure and detach the fuse block tab by prying it in the direction of the arrow.
5. Press the fuse block and remove it from the bracket.
6. Set the fuse block out of the way.

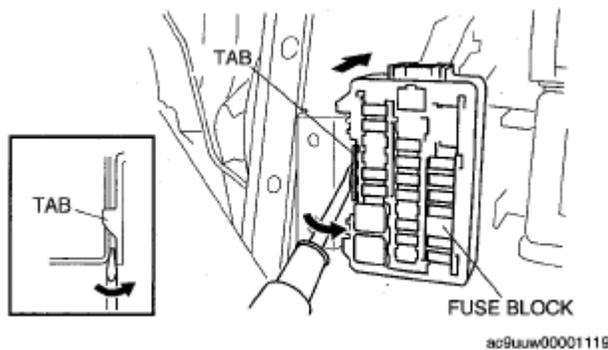


Fig. 3: Detaching Fuse Block Tab
Courtesy of MAZDA MOTORS CORP.

7. Remove in the order indicated in the table.

1	Air intake actuator connector
2	Screw
3	Air intake actuator

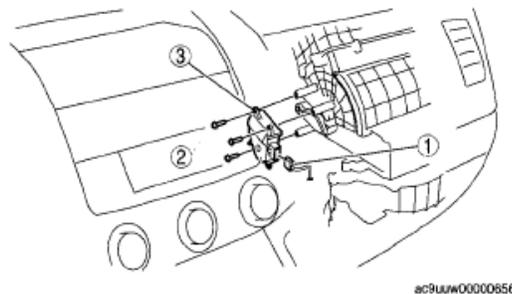


Fig. 4: Identifying Air Intake Actuator Removal Order
Courtesy of MAZDA MOTORS CORP.

8. Install in the reverse order of removal.

AIR INTAKE ACTUATOR INSPECTION

1. Connect battery positive voltage to air intake actuator terminal G, connect terminal A (or C) to ground, and then verify that the air intake actuator operates as shown in the table.

- If the operation condition is not normal, replace the air intake actuator.

AIR INTAKE ACTUATOR OPERATION

Terminal			Air intake actuator operation
A	C	G	
Ground	-	B+	RECIRCULATE --> FRESH
-	Ground	B+	FRESH --> RECIRCULATE

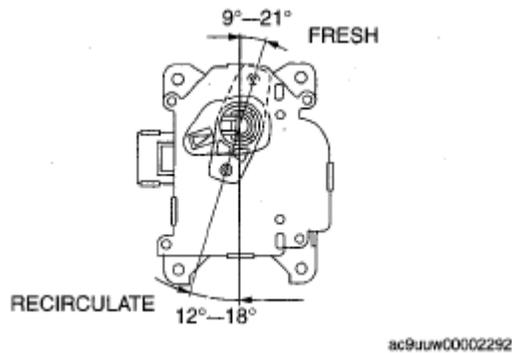


Fig. 5: Inspecting Air Intake Actuator
 Courtesy of MAZDA MOTORS CORP.

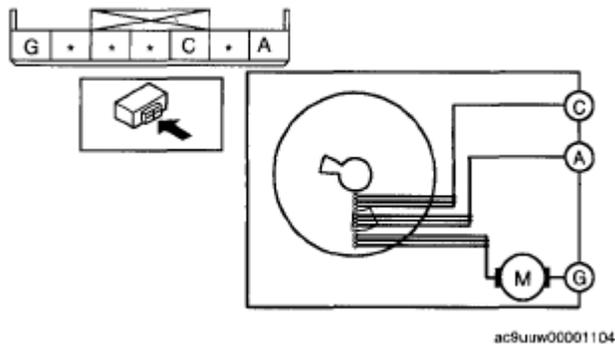


Fig. 6: Air Intake Actuator Circuit Diagram
 Courtesy of MAZDA MOTORS CORP.

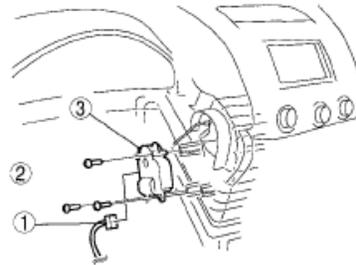
FRONT AIR MIX ACTUATOR REMOVAL/INSTALLATION

DRIVER SIDE

1. Disconnect the negative battery cable.
2. Remove the following parts:
 1. Dashboard under cover (Driver side) (See **DASHBOARD UNDER COVER REMOVAL/INSTALLATION** .)
 2. Side wall (See **SIDE WALL REMOVAL/INSTALLATION** .)

3. Console panel (LH) (See **CONSOLE PANEL REMOVAL/INSTALLATION** .)
 4. Hood release lever (See **HOOD LATCH AND RELEASE LEVER REMOVAL/INSTALLATION** .)
 5. Lower panel (See **LOWER PANEL REMOVAL/INSTALLATION** .)
3. Remove in the order indicated in the table.

1	Driver-side front air mix actuator connector
2	Screw
3	Driver-side front air mix actuator



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Fig. 7: Identifying Front Air Mix Actuator Removal Order - Driver Side
 Courtesy of MAZDA MOTORS CORP.

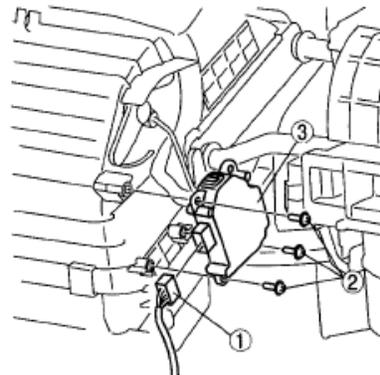
4. Install in the reverse order of removal.

PASSENGER SIDE

1. Disconnect the negative battery cable.
2. Remove the following parts:
 1. Decoration panel (See **DECORATION PANEL REMOVAL/INSTALLATION** .)
 2. Front console box mat (See **FRONT CONSOLE BOX MAT REMOVAL/INSTALLATION** .)
 3. Indicator panel (See **INDICATOR PANEL REMOVAL/INSTALLATION** .)
 4. Front console box (See **FRONT CONSOLE BOX REMOVAL/INSTALLATION** .)
 5. Dashboard under cover (See **DASHBOARD UNDER COVER REMOVAL/INSTALLATION** .)
 6. Side wall (See **SIDE WALL REMOVAL/INSTALLATION** .)
 7. Console panel (See **CONSOLE PANEL REMOVAL/INSTALLATION** .)
 8. Console cover (See **CONSOLE COVER REMOVAL/INSTALLATION** .)
 9. Console (See **CONSOLE REMOVAL/INSTALLATION** .)
 10. Front scuff plate inner (See **FRONT SCUFF PLATE REMOVAL/INSTALLATION** .)
 11. Front side trim (See **FRONT SIDE TRIM REMOVAL/INSTALLATION** .)
 12. Glove compartment (See **GLOVE COMPARTMENT REMOVAL/INSTALLATION** .)
 13. Hood release lever (See **HOOD LATCH AND RELEASE LEVER REMOVAL/INSTALLATION** .)
 14. Lower panel (See **LOWER PANEL REMOVAL/INSTALLATION** .)
 15. Lower column cover (See **COLUMN COVER REMOVAL/INSTALLATION** .)
 16. Driver-side air bag module (See **DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION** .)

17. Steering wheel (See **STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION** .)
18. Combination switch (See **COMBINATION SWITCH REMOVAL/INSTALLATION** .)
19. Center panel (See **CENTER PANEL REMOVAL/INSTALLATION** .)
20. Meter hood (See **METER HOOD REMOVAL/INSTALLATION** .)
21. Instrument cluster (See **INSTRUMENT CLUSTER REMOVAL/INSTALLATION** .)
22. Audio unit (See **AUDIO UNIT REMOVAL/INSTALLATION** .)
23. Steering shaft (See **STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION** .)
24. A-pillar trim (See **A-PILLAR TRIM REMOVAL/INSTALLATION** .)
25. Side panel (See **SIDE PANEL REMOVAL/INSTALLATION** .)
3. Disconnect the front door wiring harness connector (Driver side). (See **FRONT DOOR MODULE REMOVAL/INSTALLATION** .)
4. Disconnect the dashboard harness connectors.
5. Remove the brake switch from the brake pedal with the brake switch connector connected. (See **BRAKE PEDAL REMOVAL/INSTALLATION** .)
6. Remove the selector lever component. (See **SELECTOR LEVER COMPONENT REMOVAL/INSTALLATION** .)
7. Remove the windshield wiper arm and blade. (See **WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION** .)
8. Remove the cowl grille. (See **COWL GRILLE REMOVAL/INSTALLATION** .)
9. Remove the windshield wiper motor. (See **WINDSHIELD WIPER MOTOR REMOVAL/INSTALLATION** .)
10. Remove the dashboard. (See **DASHBOARD REMOVAL/INSTALLATION** .)
11. Remove in the order indicated in the table.
12. Install in the reverse order of removal.

1	Passenger-side front air mix actuator connector
2	Screw
3	Passenger-side front air mix actuator



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Fig. 8: Identifying Front Air Mix Actuator Remove Order - Passenger Side
 Courtesy of MAZDA MOTORS CORP.

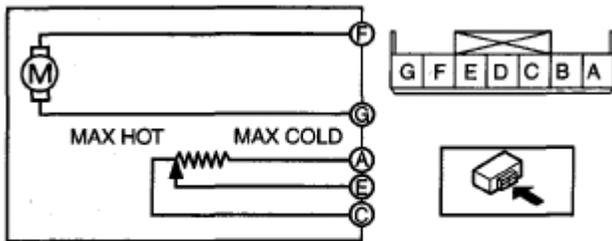
FRONT AIR MIX ACTUATOR INSPECTION

DRIVER SIDE

1. Connect battery positive voltage to front air mix actuator terminal F (or G), connect terminal G (or F) to ground, and then verify that the front air mix actuator operates as shown in the table.
 - If the operation condition is not normal, replace the front air mix actuator.

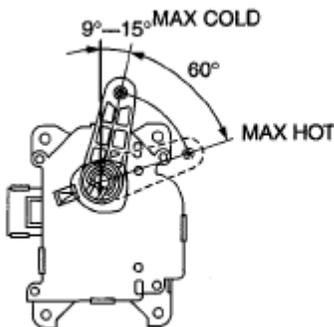
FRONT AIR MIX ACTUATOR OPERATION

Terminal		Front air mix actuator operation
F	G	
B+	Ground	HOT --> COLD
Ground	B+	COLD --> HOT



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Fig. 9: Front Air Mix Actuator Circuit Diagram - Driver Side
 Courtesy of MAZDA MOTORS CORP.



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Fig. 10: Inspecting Front Air Mix Actuator - Driver Side
 Courtesy of MAZDA MOTORS CORP.

2. Verify that the resistance between terminals A and E, and E and C matches the front air mix actuator operation as shown in the graph.
 - If the operation condition and resistance are not normal, replace the front air mix actuator.

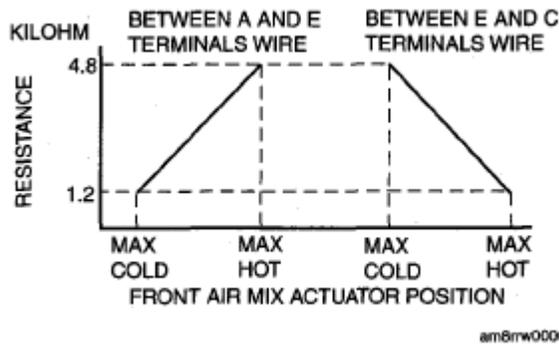


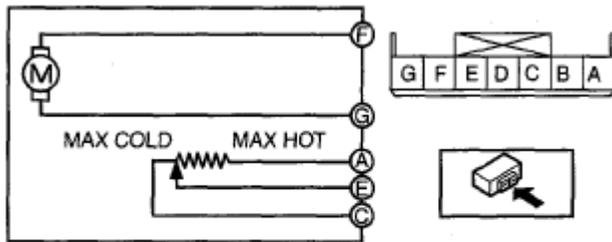
Fig. 11: Front Air Mix Actuator Operation Terminals A & E With E & C Resistance Graph - Driver Side
 Courtesy of MAZDA MOTORS CORP.

PASSENGER SIDE

1. Connect battery positive voltage to front air mix actuator terminal F (or G), connect terminal G (or F) to ground, and then verify that the front air mix actuator operates as shown in the table.
 - If the operation condition is not normal, replace the front air mix actuator.

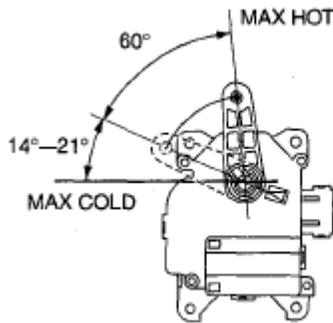
FRONT AIR MIX ACTUATOR OPERATION

Terminal		Front air mix actuator operation
F	G	
B+	Ground	COLD --> HOT
Ground	B+	HOT --> COLD



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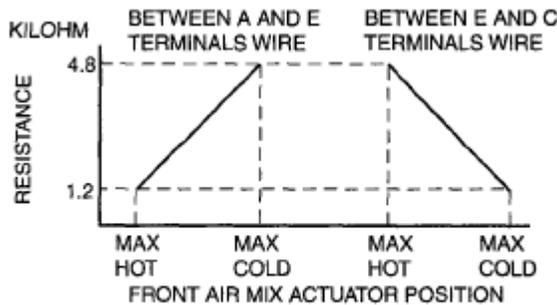
Fig. 12: Front Air Mix Actuator Circuit Diagram - Passenger Side
 Courtesy of MAZDA MOTORS CORP.



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Fig. 13: Inspecting Front Air Mix Actuator - Passenger Side
 Courtesy of MAZDA MOTORS CORP.

2. Verify that the resistance between terminals A and E, and E and C matches the front air mix actuator operation as shown in the graph.
 - If the operation condition and resistance are not normal, replace the front air mix actuator.



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Fig. 14: Front Air Mix Actuator Operation Terminals A & E With E & C Resistance Graph - Passenger Side
 Courtesy of MAZDA MOTORS CORP.

REAR AIR MIX ACTUATOR REMOVAL/INSTALLATION

1. Slide the passenger-side front seat to the maximum forward end.
2. Disconnect the negative battery cable.
3. Remove the following parts:
 1. Decoration panel (See **DECORATION PANEL REMOVAL/INSTALLATION** .)
 2. Front console box mat (See **FRONT CONSOLE BOX MAT REMOVAL/INSTALLATION** .)
 3. Indicator panel (See **INDICATOR PANEL REMOVAL/INSTALLATION** .)
 4. Front console box (See **FRONT CONSOLE BOX REMOVAL/INSTALLATION** .)
 5. Dashboard under cover (See **DASHBOARD UNDER COVER REMOVAL/INSTALLATION** .)
 6. Side wall (See **SIDE WALL REMOVAL/INSTALLATION** .)
 7. Console panel (See **CONSOLE PANEL REMOVAL/INSTALLATION** .)

8. Console cover (See **CONSOLE COVER REMOVAL/INSTALLATION** .)
9. Console (See **CONSOLE REMOVAL/INSTALLATION** .)
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.

1	Rear air mix actuator connector
2	Screw
3	Rear air mix actuator

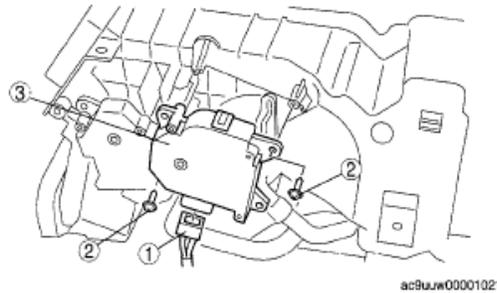


Fig. 15: Identifying Rear Air Mix Actuator Removal Order
 Courtesy of MAZDA MOTORS CORP.

REAR AIR MIX ACTUATOR INSPECTION

1. Connect battery positive voltage to rear air mix actuator terminal F (or G), connect terminal G (or F) to ground, and then verify that the rear air mix actuator operates as shown in the table.
 - If the operation condition is not normal, replace the rear air mix actuator.

REAR AIR MIX ACTUATOR OPERATION

Terminal		Rear air mix actuator operation
F	G	
B+	Ground	HOT --> COLD
Ground	B+	COLD --> HOT

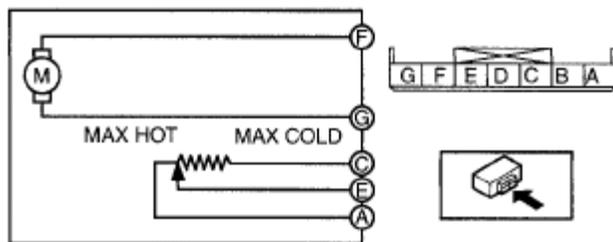
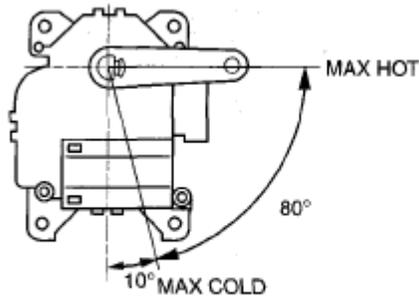


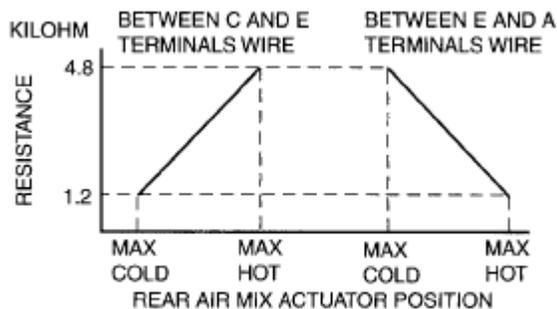
Fig. 16: Rear Air Mix Actuator Circuit Diagram
 Courtesy of MAZDA MOTORS CORP.



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Fig. 17: Rear Air Mix Actuator Inspection
Courtesy of MAZDA MOTORS CORP.

2. Verify that the resistance between the terminals terminals C and E, and E and A matches the rear air mix actuator operation as shown in the graph.
 - If the operation condition and resistance are not normal, replace the rear air mix actuator.



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Fig. 18: Rear Air Mix Actuator Operation Terminals C & E With E & A Resistance Graph
Courtesy of MAZDA MOTORS CORP.

FRONT AIRFLOW MODE ACTUATOR REMOVAL/INSTALLATION

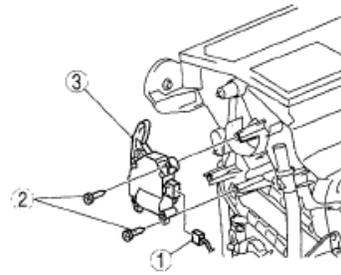
1. Disconnect the negative battery cable.
2. Remove the following parts:
 1. Decoration panel (See [DECORATION PANEL REMOVAL/INSTALLATION](#) .)
 2. Front console box mat (See [FRONT CONSOLE BOX MAT REMOVAL/INSTALLATION](#) .)
 3. Indicator panel (See [INDICATOR PANEL REMOVAL/INSTALLATION](#) .)
 4. Front console box (See [FRONT CONSOLE BOX REMOVAL/INSTALLATION](#) .)
 5. Dashboard under cover (See [DASHBOARD UNDER COVER REMOVAL/INSTALLATION](#) .)
 6. Side wall (See [SIDE WALL REMOVAL/INSTALLATION](#) .)
 7. Console panel (See [CONSOLE PANEL REMOVAL/INSTALLATION](#) .)
 8. Console cover (See [CONSOLE COVER REMOVAL/INSTALLATION](#) .)
 9. Console (See [CONSOLE REMOVAL/INSTALLATION](#) .)

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10. Front scuff plate inner (See **FRONT SCUFF PLATE REMOVAL/INSTALLATION** .)
11. Front side trim (See **FRONT SIDE TRIM REMOVAL/INSTALLATION** .)
12. Glove compartment (See **GLOVE COMPARTMENT REMOVAL/INSTALLATION** .)
13. Hood release lever (See **HOOD LATCH AND RELEASE LEVER REMOVAL/INSTALLATION** .)
14. Lower panel (See **LOWER PANEL REMOVAL/INSTALLATION** .)
15. Lower column cover (See **COLUMN COVER REMOVAL/INSTALLATION** .)
16. Driver-side air bag module (See **DRIVER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION** .)
17. Steering wheel (See **STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION** .)
18. Combination switch (See **COMBINATION SWITCH REMOVAL/INSTALLATION** .)
19. Center panel (See **CENTER PANEL REMOVAL/INSTALLATION** .)
20. Meter hood (See **METER HOOD REMOVAL/INSTALLATION** .)
21. Instrument cluster (See **INSTRUMENT CLUSTER REMOVAL/INSTALLATION** .)
22. Audio unit (See **AUDIO UNIT REMOVAL/INSTALLATION** .)
23. Steering shaft (See **STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION** .)
24. A-pillar trim (See **A-PILLAR TRIM REMOVAL/INSTALLATION** .)
25. Side panel (See **SIDE PANEL REMOVAL/INSTALLATION** .)
3. Disconnect the front door wiring harness connector (Driver side). (See **FRONT DOOR MODULE REMOVAL/INSTALLATION** .)
4. Disconnect the dashboard harness connectors.
5. Remove the brake switch from the brake pedal with the brake switch connector connected. (See **BRAKE PEDAL REMOVAL/INSTALLATION** .)
6. Remove the selector lever component. (See **SELECTOR LEVER COMPONENT REMOVAL/INSTALLATION** .)
7. Remove the windshield wiper arm and blade. (See **WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION** .)
8. Remove the cowl grille. (See **COWL GRILLE REMOVAL/INSTALLATION** .)
9. Remove the windshield wiper motor. (See **WINDSHIELD WIPER MOTOR REMOVAL/INSTALLATION** .)
10. Remove the dashboard. (See **DASHBOARD REMOVAL/INSTALLATION** .)
11. Remove in the order indicated in the table.
12. Install in the reverse order of removal.

1	Front airflow mode actuator connector
2	Screw
3	Front airflow mode actuator



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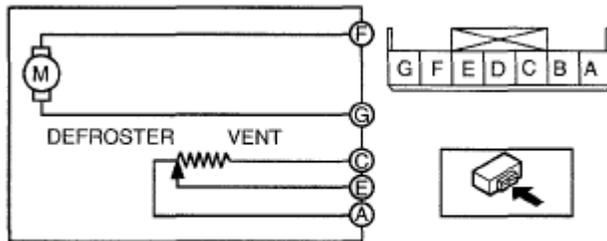
Fig. 19: Identifying Front Airflow Mode Actuator Removal Order
 Courtesy of MAZDA MOTORS CORP.

FRONT AIRFLOW MODE ACTUATOR INSPECTION

1. Connect battery positive voltage to front airflow mode actuator terminal F (or G), connect terminal G (or F) to ground, and then verify that the front airflow mode actuator operates as shown in the table.
 - If the operation condition is not normal, replace the front airflow mode actuator.

FRONT AIRFLOW MODE ACTUATOR OPERATION

Terminal		Front airflow mode actuator operation
F	G	
B+	Ground	VENT --> DEFROSTER
Ground	B+	DEFROSTER --> VENT



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Fig. 20: Front Airflow Mode Actuator Circuit Diagram
 Courtesy of MAZDA MOTORS CORP.

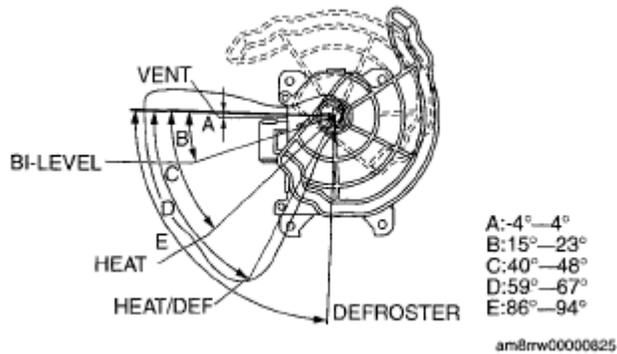


Fig. 21: Inspecting Front Airflow Mode Actuator
 Courtesy of MAZDA MOTORS CORP.

2. Verify that the resistance between terminals C and E, and E and A matches the front airflow mode actuator operation as shown in the graph.
 - If the operation condition and resistance are not normal, replace the front airflow mode actuator.

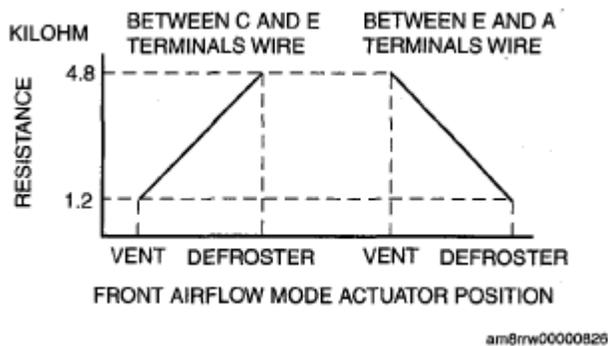


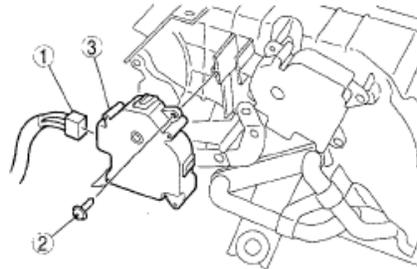
Fig. 22: Front Airflow Mode Actuator Operation Terminals C & E With E & A Resistance Graph
 Courtesy of MAZDA MOTORS CORP.

REAR AIRFLOW MODE ACTUATOR REMOVAL/INSTALLATION

1. Slide the passenger-side front seat to the maximum forward end.
2. Disconnect the negative battery cable.
3. Remove the following parts:
 1. Decoration panel (See [DECORATION PANEL REMOVAL/INSTALLATION](#) .)
 2. Front console box mat (See [FRONT CONSOLE BOX MAT REMOVAL/INSTALLATION](#) .)
 3. Indicator panel (See [INDICATOR PANEL REMOVAL/INSTALLATION](#) .)
 4. Front console box (See [FRONT CONSOLE BOX REMOVAL/INSTALLATION](#) .)
 5. Dashboard undercover (See [DASHBOARD UNDER COVER REMOVAL/INSTALLATION](#) .)
 6. Side wall (See [SIDE WALL REMOVAL/INSTALLATION](#) .)
 7. Console panel (See [CONSOLE PANEL REMOVAL/INSTALLATION](#) .)

8. Console cover (See **CONSOLE COVER REMOVAL/INSTALLATION** .)
9. Console (See **CONSOLE REMOVAL/INSTALLATION** .)
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.

1	Rear airflow mode actuator connector
2	Screw
3	Rear airflow mode actuator



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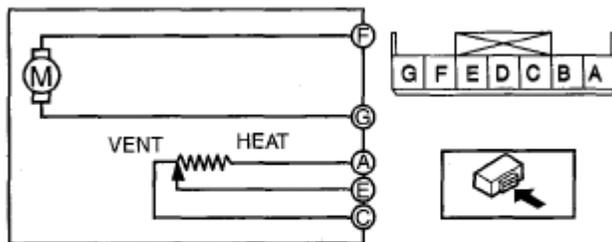
Fig. 23: Identifying Rear Airflow Mode Actuator Removal Order
 Courtesy of MAZDA MOTORS CORP.

REAR AIRFLOW MODE ACTUATOR INSPECTION

1. Connect battery positive voltage to rear airflow mode actuator terminal F (or G), connect terminal G (or F) to ground, and then verify that the rear airflow mode actuator operates as shown in the table.
 - If the operation condition is not normal, replace the rear airflow mode actuator.

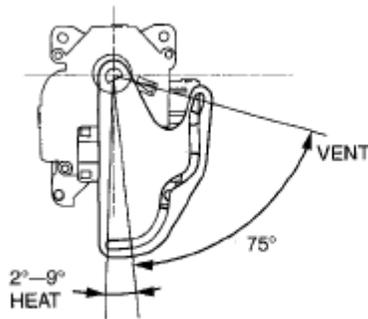
REAR AIRFLOW MODE ACTUATOR OPERATION

Terminal		Rear airflow mode actuator operation
F	G	
B+	Ground	VENT --> HEAT
Ground	B+	HEAT --> VENT



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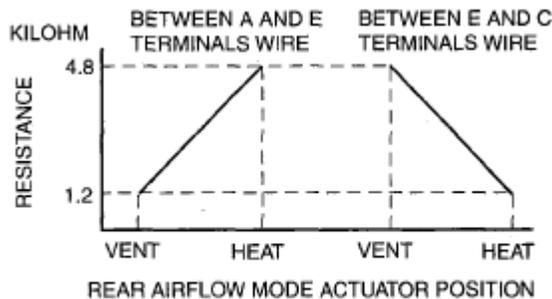
Fig. 24: Rear Airflow Mode Actuator Circuit Diagram
 Courtesy of MAZDA MOTORS CORP.



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Fig. 25: Rear Airflow Mode Actuator Inspection
 Courtesy of MAZDA MOTORS CORP.

2. Verify that the resistance between terminals A and E, and E and C matches the rear airflow mode actuator operation as shown in the graph.
 - If the operation condition and resistance are not normal, replace the rear airflow mode actuator.



am8rw0000829

Fig. 26: Rear Airflow Mode Actuator Operation Terminals A & E With E & C Resistance Graph
 Courtesy of MAZDA MOTORS CORP.

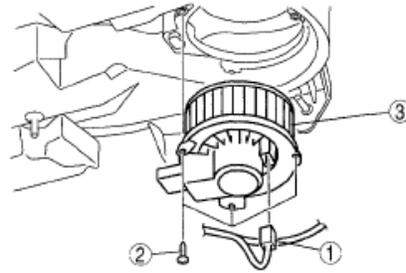
FRONT BLOWER MOTOR REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the dashboard under cover, (passenger side) (See **DASHBOARD UNDER COVER REMOVAL/INSTALLATION** .)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.

2008 Mazda CX-9 Grand Touring

2008 HVAC Control System (HVAC) - Mazda CX-9

1	Front blower motor connector
2	Screw
3	Front blower motor

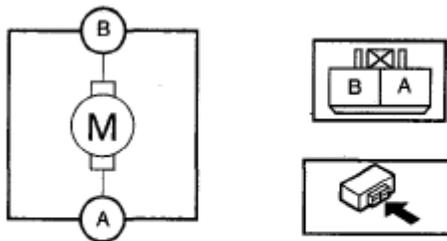


ac9uuw00001025

Fig. 27: Identifying Front Blower Motor Removal Order
Courtesy of MAZDA MOTORS CORP.

FRONT BLOWER MOTOR INSPECTION

1. Connect battery positive voltage to front blower motor terminal B, connect terminal A to ground, and then verify its operation.
 - If there is any malfunction, replace the front blower motor.



ampjiw00002520

Fig. 28: Inspecting Front Blower Motor
Courtesy of MAZDA MOTORS CORP.

REAR BLOWER MOTOR REMOVAL/INSTALLATION

1. Disconnect the negative battery cable.
2. Remove the following parts:
 1. Decoration panel (See [DECORATION PANEL REMOVAL/INSTALLATION](#) .)
 2. Front console box mat (See [FRONT CONSOLE BOX MAT REMOVAL/INSTALLATION](#) .)
 3. Indicator panel (See [INDICATOR PANEL REMOVAL/INSTALLATION](#) .)
 4. Front console box (See [FRONT CONSOLE BOX REMOVAL/INSTALLATION](#) .)
 5. Dashboard under cover (See [DASHBOARD UNDER COVER REMOVAL/INSTALLATION](#) .)
 6. Side wall (See [SIDE WALL REMOVAL/INSTALLATION](#) .)
 7. Console panel (See [CONSOLE PANEL REMOVAL/INSTALLATION](#) .)
 8. Console cover (See [CONSOLE COVER REMOVAL/INSTALLATION](#) .)
 9. Console (See [CONSOLE REMOVAL/INSTALLATION](#) .)