

[< Previous](#) [Next >](#)

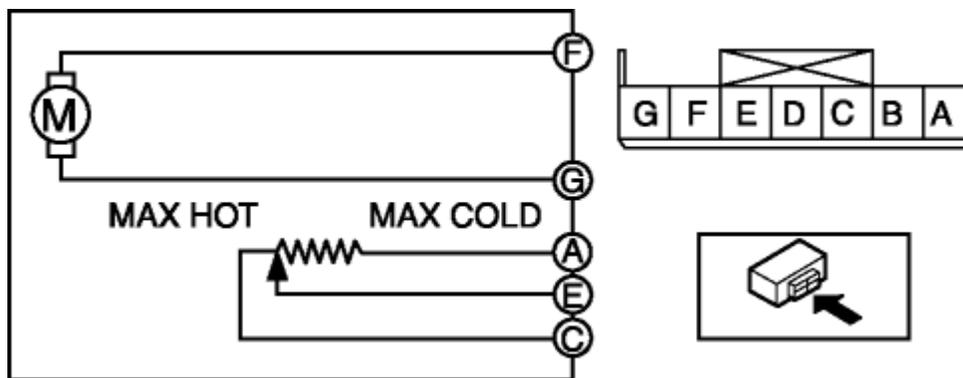
2012 - CX-9 - HVAC

FRONT AIR MIX ACTUATOR INSPECTION

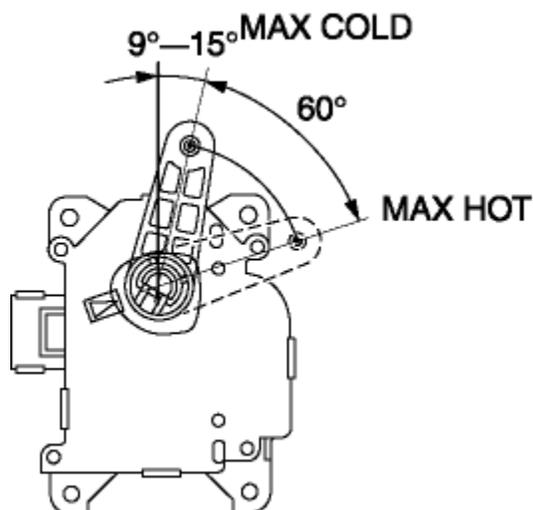
Driver Side

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.

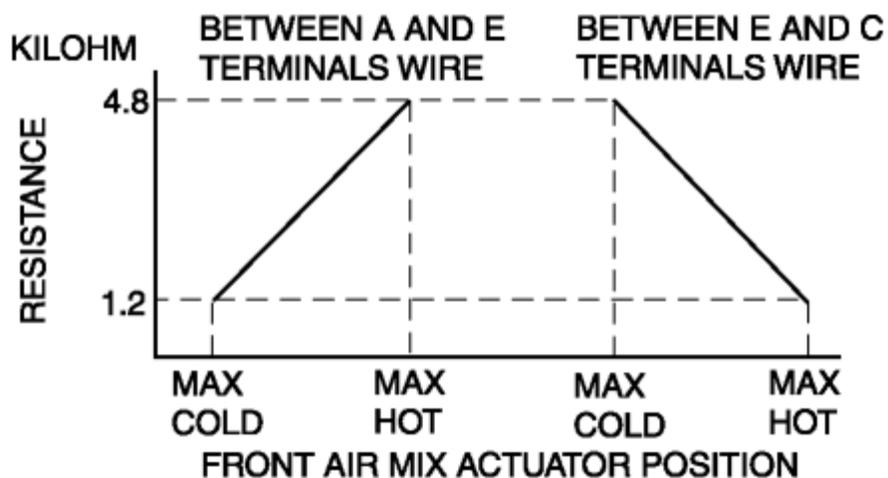
- If the operation condition is not normal, replace the front air mix actuator.



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



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.

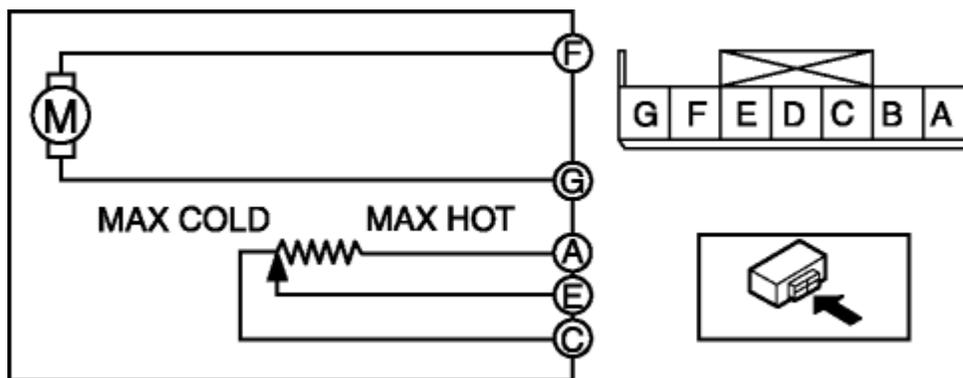


- If the operation condition and resistance are not normal, replace the front air mix actuator.

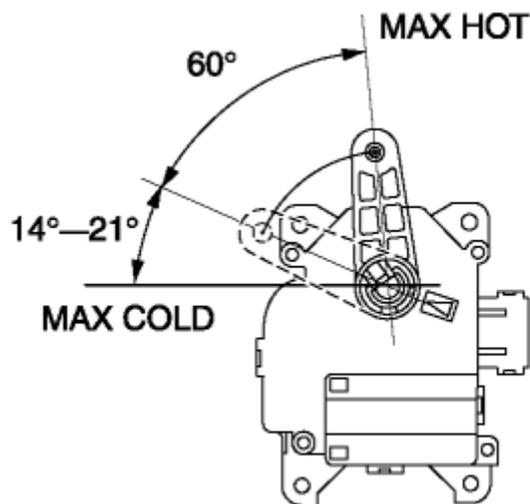
Passenger Side

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.

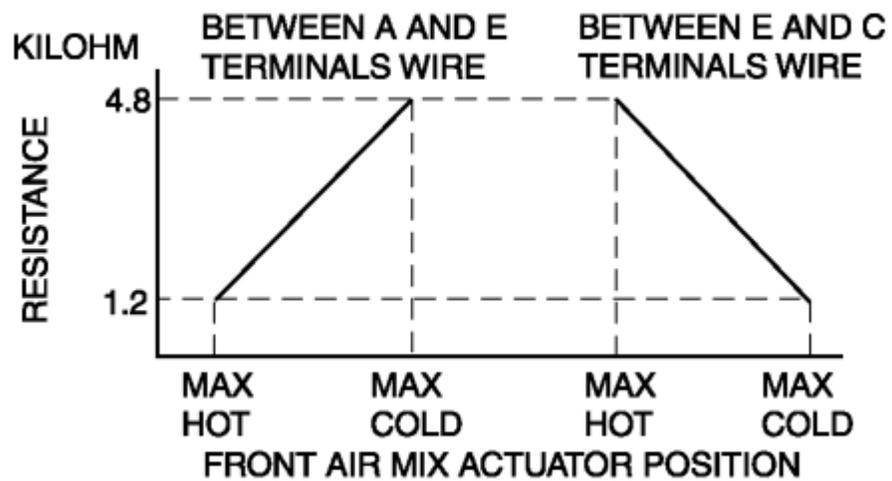
- If the operation condition is not normal, replace the front air mix actuator.



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



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.

[< Previous](#) [Next >](#)

[Back to Top](#)

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