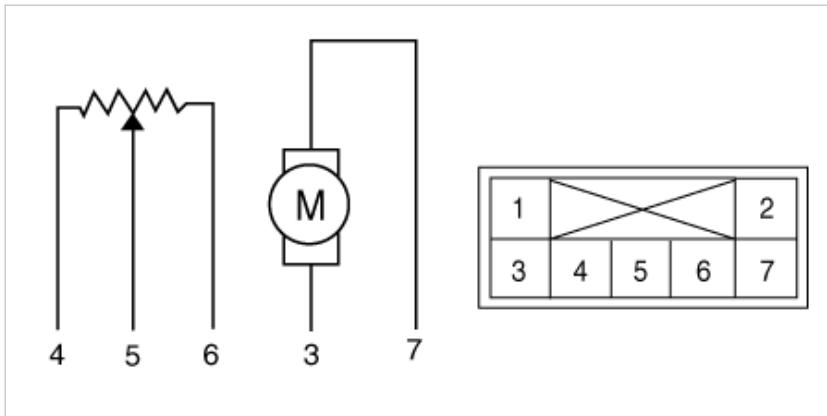




Inspection

1. Turn the ignition switch OFF.
2. Disconnect the mode control actuator connector.
3. Verify that the mode control actuator operates to the defrost mode when 12V is connected to terminal 3 and ground to terminal 7.
Verify that the mode control actuator operates to the vent mode when connected in reverse.



- | | |
|-----------------|--------------------|
| 1. - | 5. Feedback signal |
| 2. - | 6. Sensor ground |
| 3. Vent Mode | 7. Defrost mode |
| 4. Sensor (+5V) | |

4. Connect the mode control actuator connector.
5. Turn the ignition switch ON.
6. Check the voltage between terminals 5 and 6.

Specification

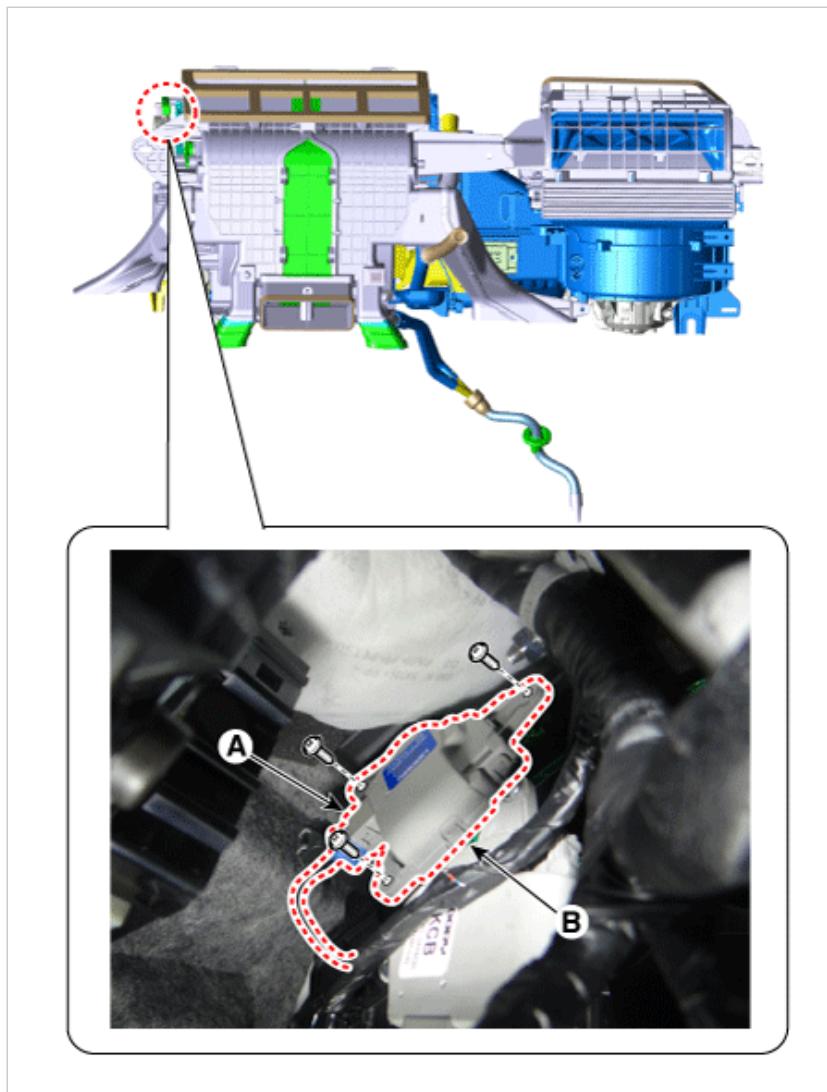
Door position	Voltage (V)	Error detecting
Vent	0.3 ± 0.15	Low voltage : 0.1V or less High voltage : 4.9V or less
Defrost	4.7 ± 0.15	

The current position of the actuator will be sent to the control unit.

7. If the measured voltage is not within the specification, substitute with a verified temperature control actuator and check for proper operation.
8. Replace the mode control actuator if it is proved that there is a problem with it.

Replacement

1. Disconnect the negative (-) battery terminal.
2. Remove the steering column and shaft.
(Refer to Steering System - "Steering Column and Shaft")
3. Disconnect the connector (A) and then remove the mode control actuator (B) after loosening the screws.



4. Install in the reverse order of removal.