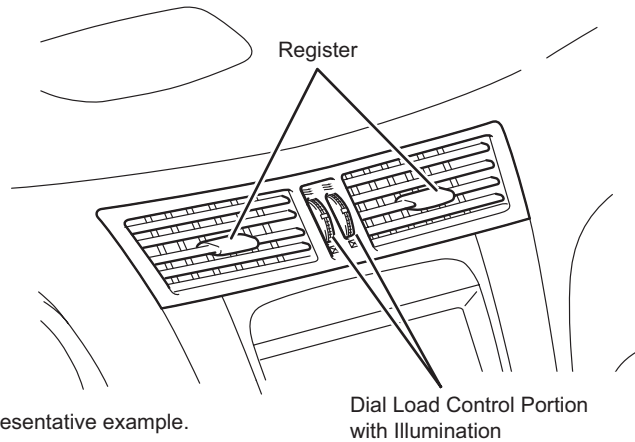


Register

- The following functions are provided to the front center registers and side registers.
- The dial load control portion has been greased to improve the ease of use.
- A register dial illumination is used to improve the nighttime operation and appearance.

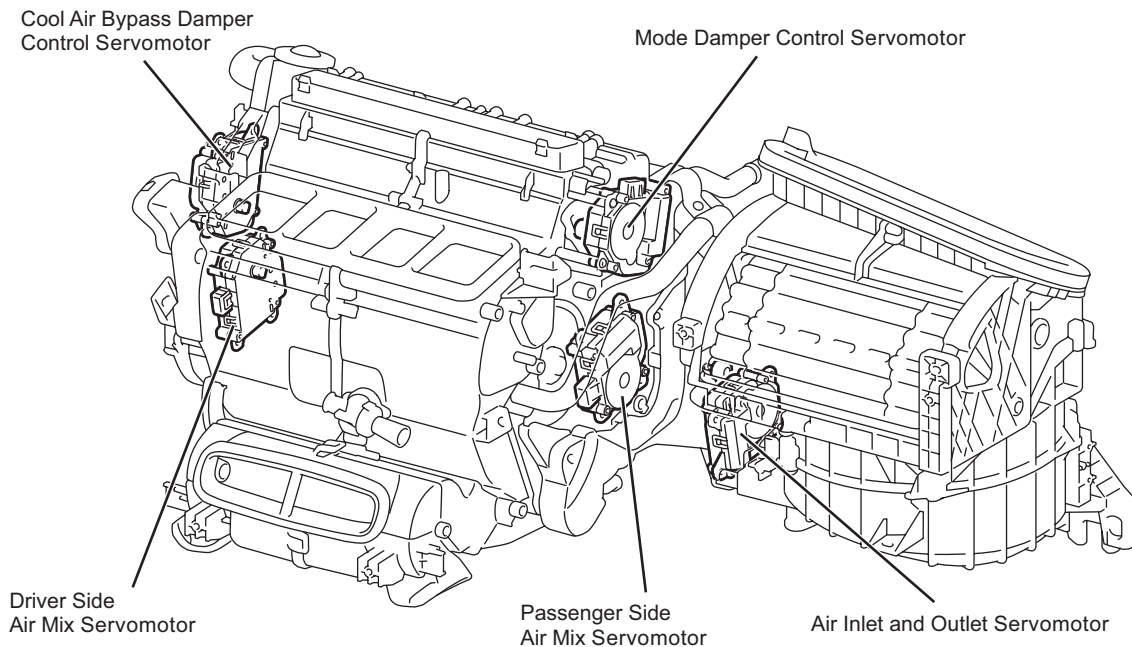


Note: The illustration gives a representative example.

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Servomotor

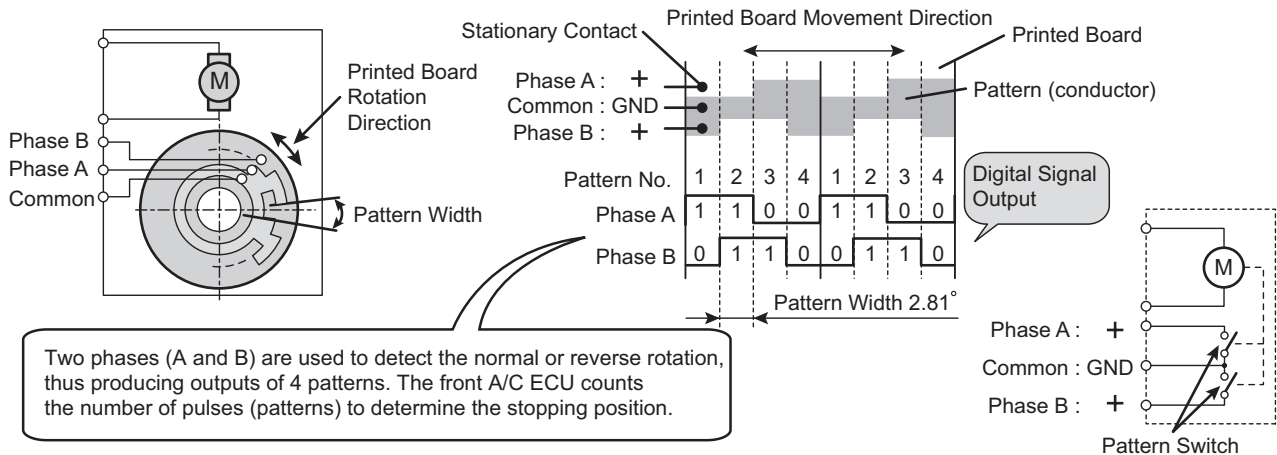
- All models use servomotors for the following purposes: air inlet selector, cool air bypass damper selector, mode damper selector, and driver and front passenger air mix damper selector. These servomotors use the pulse pattern system that detects their position through pulse signals. Along with the pulse pattern type servomotors, a smart connector is used. The smart connector has a built-in IC (Integrated Circuit) with a function to maintain communication with the front air conditioner ECU.
- The servomotors are installed in the following positions: The servomotors for the driver air mix damper selector and cool air bypass damper selector are located on the left side of the heater & cooler unit. The servomotors for the mode damper selector and the front passenger air mix damper selector are located on the right side of the heater & cooler unit. The servomotor for the air inlet damper selector is located on the left side of the blower unit.



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Pulse Pattern Type Servomotor

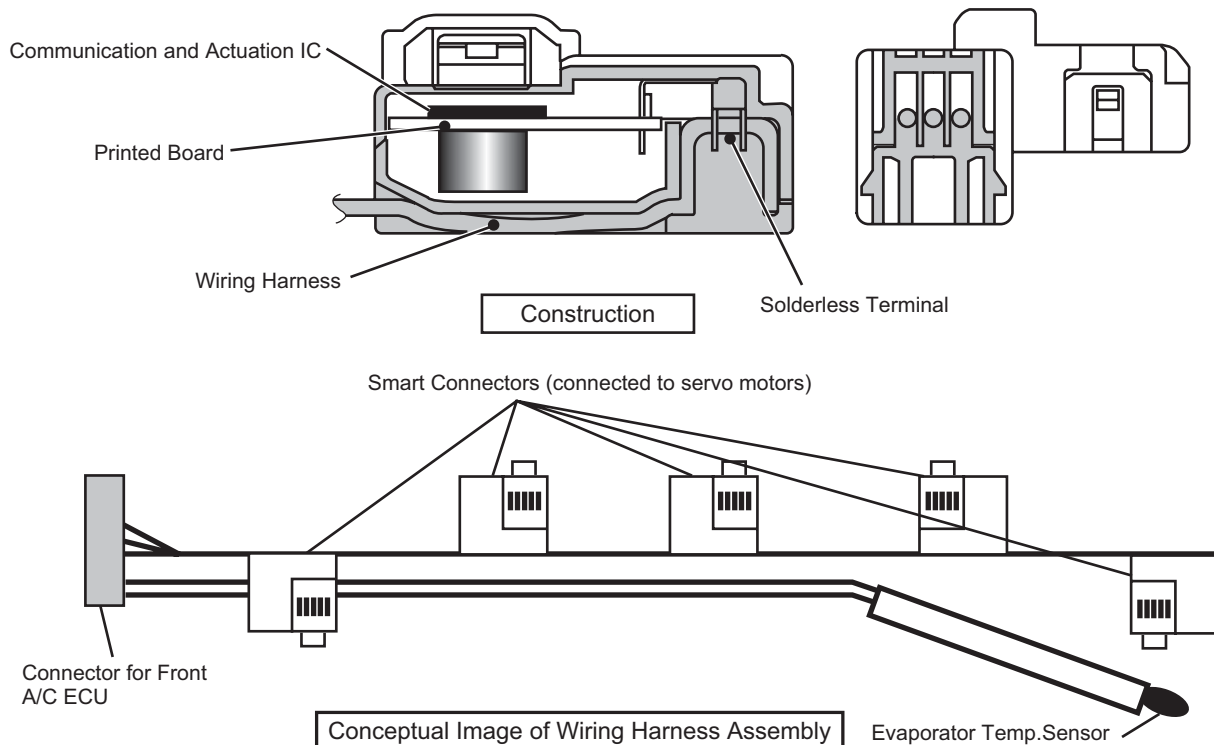
- The conventional servomotor detects the position by way of the potentiometer voltage. In contrast, the pulse pattern servomotor is the type that detects the relative position by way of the 2-bit ON/OFF signals. The front air conditioner ECU counts the number of pulses (patterns) to determine the stopping position.



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Bus Connectors

- Smart connectors are used to actuate the pulse pattern type servomotors, which control the air conditioner. These connectors are aimed at reducing weight and minimizing the number of wires. Each smart connector has a built-in IC (Integrated Circuit) with functions to maintain communication with the front air conditioner ECU, actuate the servomotor, and detect the position.



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