

DC-DC CONVERTER [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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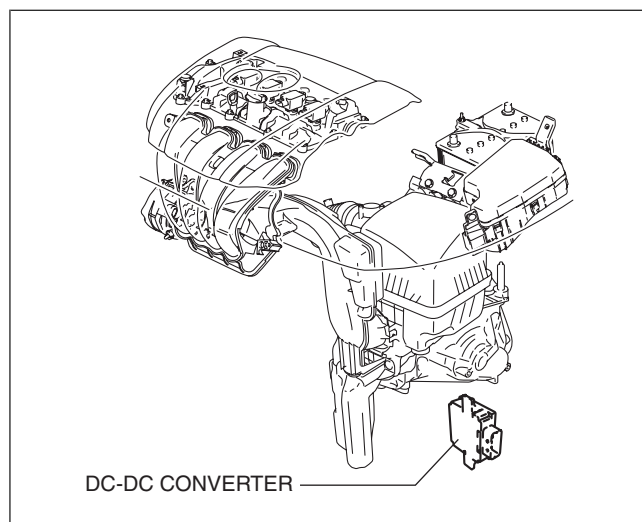
Vehicle With i-stop

Purpose, Function

- When the engine is restarted by the i-stop control, the battery voltage temporarily decreases to operate the starter. Pressure is increased to maintain the voltage for vehicle electrical devices at that time.

Construction

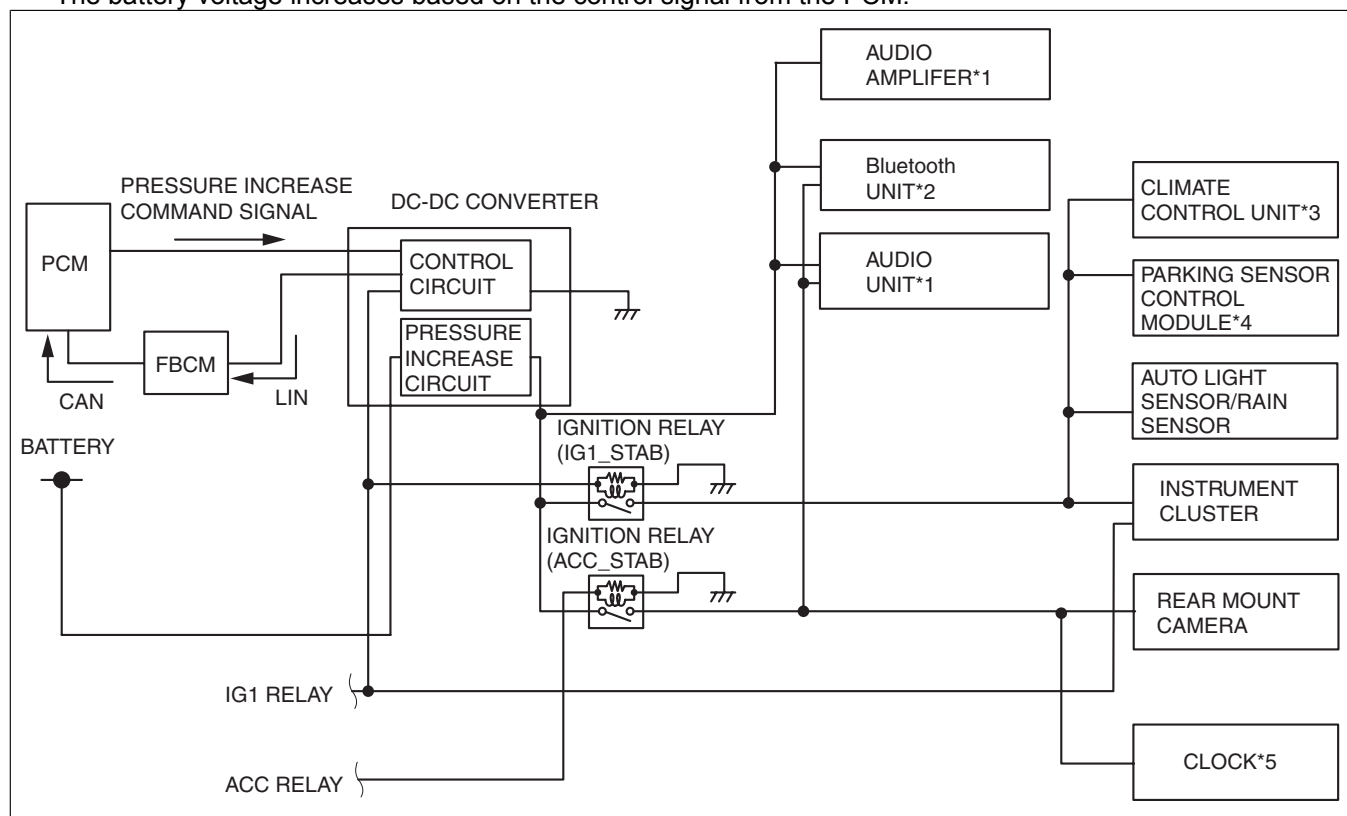
- The DC-DC converter is installed on the vehicle's left front part (lower part of front combination light).



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Operation

- The battery voltage increases based on the control signal from the PCM.



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*1 : Vehicles with audio system.

*2 : Vehicles with Bluetooth system.

*3 : Vehicles with auto A/C.

*4 : Vehicles with parking sensor system.

*5 : Vehicles with manual A/C.

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- For details of the DC-DC converter control, refer to CONTROL SYSTEM (See DC-DC CONVERTER CONTROL [SKYACTIV-G 2.0, SKYACTIV-G 2.5].).

Fail-safe

DTC	Fail-safe
P0A8D:00	<ul style="list-style-type: none">• Inhibits engine-stop by operating the i-stop function.• Inhibits a part of the generator output control.
P0A94:00	<ul style="list-style-type: none">• Inhibits engine-stop by operating the i-stop function.