

DC-DC CONVERTER [SKYACTIV-D 2.2]

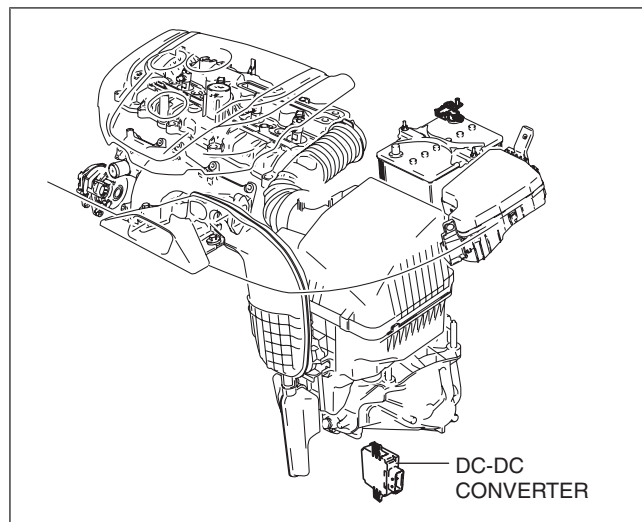
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Purpose, Function

- 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

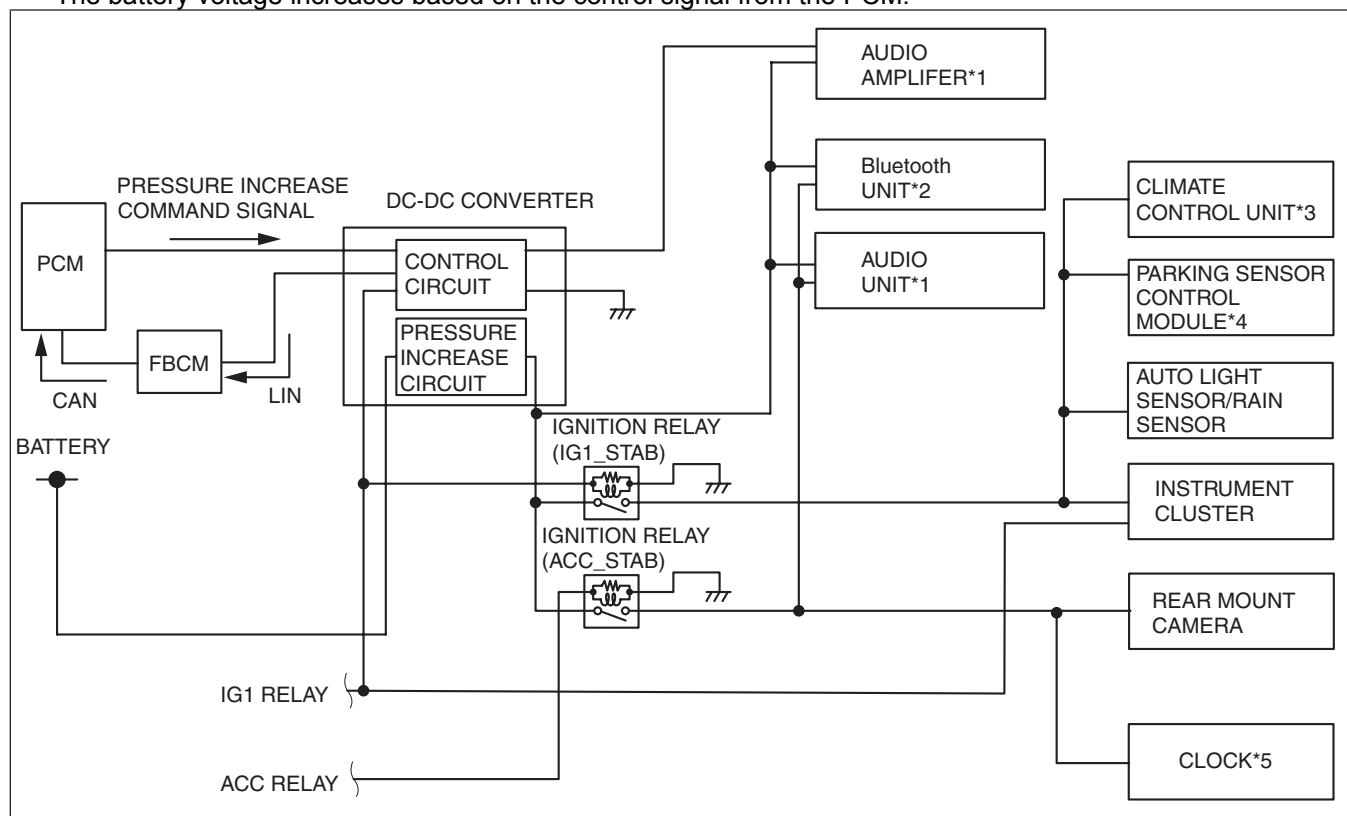
- The DC-DC converter is installed on the vehicle's left front part (lower part of front combination light).



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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

- For details of the DC-DC converter control, refer to CONTROL SYSTEM (See DC-DC CONVERTER CONTROL [SKYACTIV-D 2.2].).

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.