

GENERATOR [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

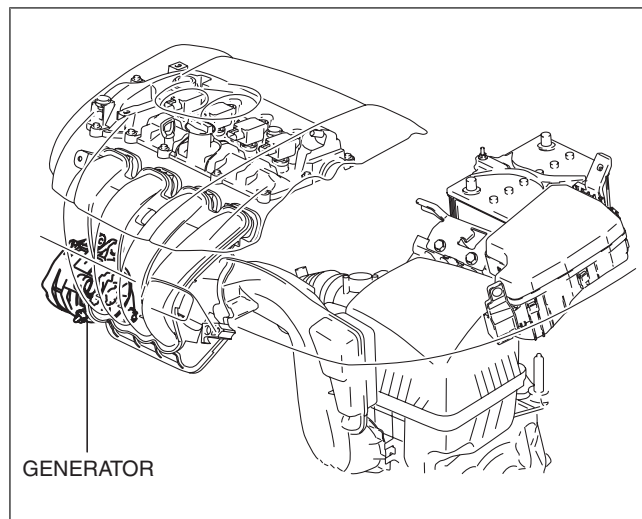
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Purpose, Function

- The generator operates by obtaining drive force from the engine via the drive belt and generates the required electricity for electronic devices.

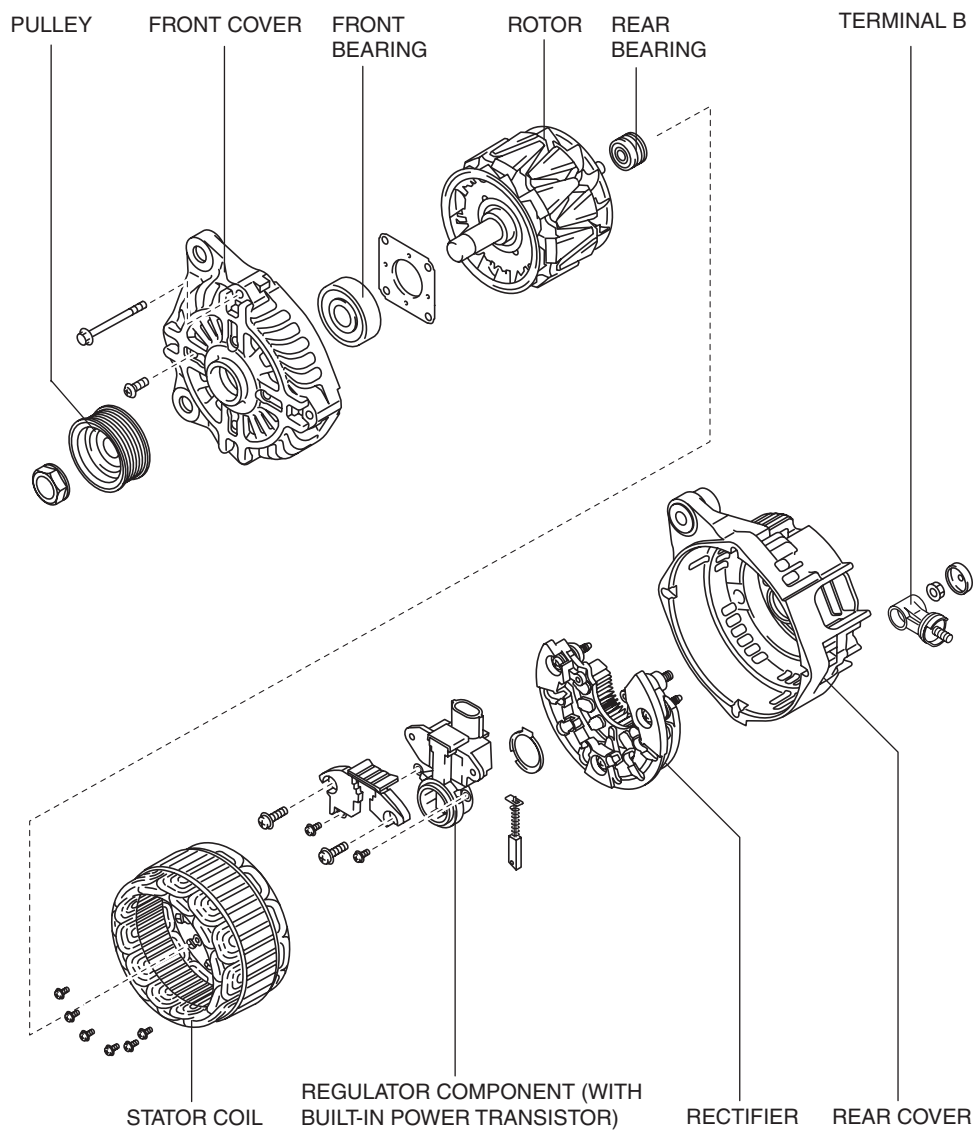
Construction

- The generator is installed on the engine left front side.
- Output control is performed by the PCM resulting in the elimination of the IC regulator and the simplification of the construction.

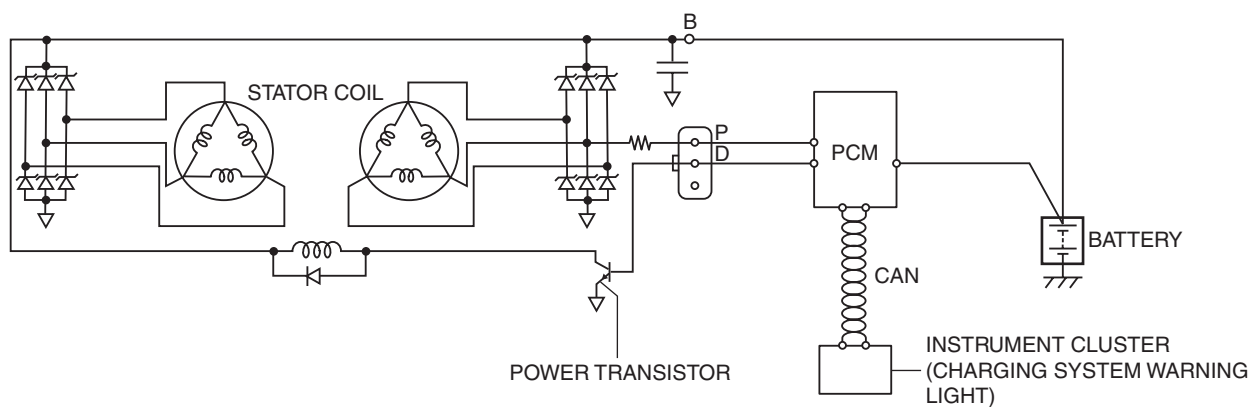


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- Two delta connection type stator coils have been adopted.

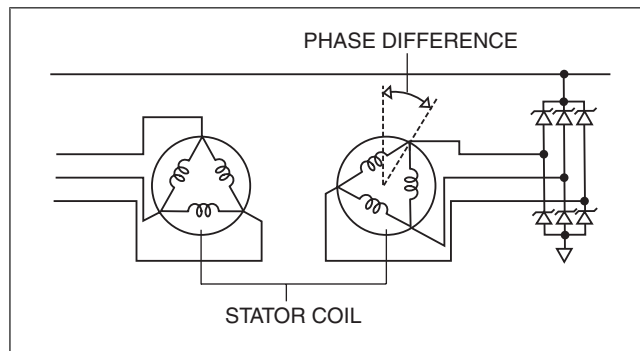


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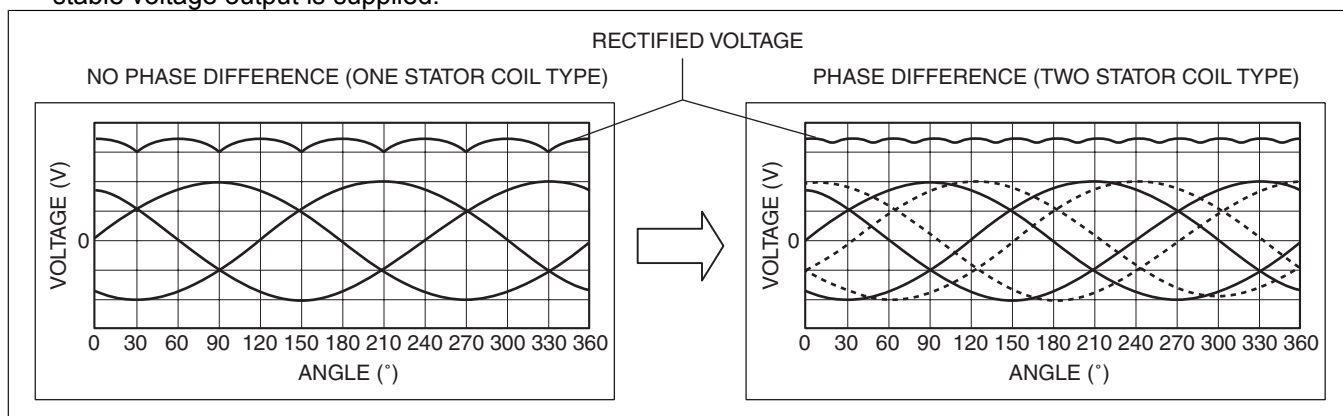
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- The two stator coils form the circuit having a phase difference, and magnetic pull, which operates between the rotor and stator coil by the phase difference, is theoretically eliminated. Due to this, electromagnetic vibration and generator operation noise (electromagnetic noise) have been reduced.



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- Pulsation occurring through voltage rectifying using two stator coils having a phase difference is minimized and stable voltage output is supplied.



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Operation

- For generator control details, refer to CONTROL SYSTEM. (See GENERATOR CONTROL [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

Fail-safe

- Function not equipped.