
Charging System - Overview

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The generator is driven by the FEAD belt. When the engine is started, the generator begins to generate AC voltage which is internally converted to DC voltage. The DC voltage is controlled by the voltage regulator and supplied to the battery. The PCM controls the voltage regulator set point, communicating with the generator internal voltage regulator over a dedicated LIN communication circuit.

This vehicle is equipped with load shed strategy. The BCM monitors the battery state of charge and condition using the battery monitoring sensor attached to the negative battery post and manages battery charging.

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