

Battery and Cables - Overview

DESCRIPTION AND OPERATION > BATTERY AND CABLES - OVERVIEW > OVERVIEW

The battery and cable system consists of the following:

- Battery
- Battery tray
- BJB
- Positive battery cable, including a generator current sensor
- Negative battery cable including:
 - Battery monitoring sensor (if equipped)
 - Battery current sensor (if equipped)

DESCRIPTION AND OPERATION > BATTERY AND CABLES - SYSTEM OPERATION AND COMPONENT DESCRIPTION

System Operation

DESCRIPTION AND OPERATION > BATTERY AND CABLES - SYSTEM OPERATION AND COMPONENT DESCRIPTION > BATTERY AND CABLES

Vehicles are equipped with a 12-volt, maintenance-free battery. The battery is a 12V DC source connected in a negative ground system and is a voltage stabilizer for the 12V electrical system.

The 2.7L EcoBoost engine is equipped with a battery monitor sensor attached to the negative battery cable. Refer to: Charging System - 2.7L EcoBoost (238kW/324PS) - System Operation and Component Description .

All other engines are equipped with a battery current sensor attached to the negative battery cable. Refer to: Charging System - 3.5L Duratec (209kW/284PS)/3.5L EcoBoost (272kW/370PS)/5.0L 32V Ti-VCT - System Operation and Component Description .

A generator current sensor is attached to the positive battery cable:

- Refer to: Charging System - 2.7L EcoBoost (238kW/324PS) - System Operation and Component Description .
- Refer to: Charging System - 3.5L Duratec (209kW/284PS)/3.5L EcoBoost (272kW/370PS)/5.0L 32V Ti-VCT - System Operation and Component Description .