

THE BATTERY

The battery is the power source for the vehicle. It provides the electrical energy needed to start the engine and power the accessories. The battery is located in the engine compartment. The battery is a lead-acid battery and is composed of several cells. Each cell contains a lead plate and a lead dioxide plate. The plates are immersed in an electrolyte solution of sulfuric acid and water. The battery is connected to the vehicle's electrical system through a positive (+) terminal and a negative (-) terminal. The positive terminal is connected to the positive terminal of the alternator and the negative terminal is connected to the negative terminal of the alternator. The battery is also connected to the vehicle's lighting and accessory circuits. The battery is a critical component of the vehicle's electrical system and should be inspected regularly. The battery should be kept at a full charge and should be replaced when it is no longer able to hold a charge. The battery should be stored in a cool, dry place and should be protected from freezing. The battery should be handled with care and should not be shorted or overcharged. The battery should be disposed of properly and should not be recycled in a household trash can.

Terminal	Color	Connection
Positive (+)	Red	Positive terminal of alternator
Negative (-)	Black	Negative terminal of alternator
Positive (+)	Red	Positive terminal of battery
Negative (-)	Black	Negative terminal of battery

ALTERNATOR

