

THE BATTERY

1. The battery is the source of electrical energy for the vehicle.

2. It provides the initial surge of current to start the engine.

3. It maintains the electrical system voltage when the engine is not running.

4. It stores energy to power the vehicle's accessories.

5. It provides a path for the return current to the negative terminal.

6. It is connected to the positive terminal of the alternator.

7. It is connected to the negative terminal of the alternator.

8. It is connected to the positive terminal of the starter motor.

9. It is connected to the negative terminal of the starter motor.

10. It is connected to the positive terminal of the ignition system.

11. It is connected to the negative terminal of the ignition system.

12. It is connected to the positive terminal of the lighting system.

13. It is connected to the negative terminal of the lighting system.

14. It is connected to the positive terminal of the horn.

15. It is connected to the negative terminal of the horn.

16. It is connected to the positive terminal of the wiper system.

17. It is connected to the negative terminal of the wiper system.

18. It is connected to the positive terminal of the power windows.

19. It is connected to the negative terminal of the power windows.

20. It is connected to the positive terminal of the power locks.

21. It is connected to the negative terminal of the power locks.

22. It is connected to the positive terminal of the power mirrors.

23. It is connected to the negative terminal of the power mirrors.

24. It is connected to the positive terminal of the power seats.

25. It is connected to the negative terminal of the power seats.

26. It is connected to the positive terminal of the power windows.

27. It is connected to the negative terminal of the power windows.

28. It is connected to the positive terminal of the power locks.

29. It is connected to the negative terminal of the power locks.

30. It is connected to the positive terminal of the power mirrors.

31. It is connected to the negative terminal of the power mirrors.

32. It is connected to the positive terminal of the power seats.

33. It is connected to the negative terminal of the power seats.

IGNITION



Part	Function
Battery	Provides electrical energy to the ignition system.
Coil	Increases the voltage of the battery to a level sufficient to create a spark.
Distributor	Distributes the high voltage to the spark plug.
Spark Plug	Creates a spark to ignite the fuel mixture.
Condenser	Prevents the coil from arcing to ground.
Fuse	Protects the ignition system from electrical overload.
Switch	Controls the flow of current to the coil.

The ignition system is responsible for providing the spark that ignites the fuel mixture in the engine's cylinders. It consists of several components, including the battery, coil, distributor, spark plug, condenser, fuse, and switch. The battery provides the electrical energy to the system, while the coil increases the voltage to a level sufficient to create a spark. The distributor distributes the high voltage to the spark plug, which creates the spark. The condenser prevents the coil from arcing to ground, and the fuse protects the system from electrical overload. The switch controls the flow of current to the coil.

The ignition system is a critical component of the engine, and it is essential to ensure that it is properly maintained and adjusted. A faulty ignition system can lead to engine misfires, poor fuel economy, and increased emissions. Regular maintenance, including checking the battery, coil, distributor, spark plug, condenser, fuse, and switch, can help to ensure that the ignition system is operating correctly.