Position Sensors detect the rotational position of the camshaft and their built-in signal processing circuits send signals in digital form to the Engine Electronic Control Unit (ECU).

Cam Position Sensor (MRE Type)

The Exhaust Gas Temperature Sensor measures the temperature of exhaust gas clogged with soot. The sensor is heated to the optimal temperature to burn accumulated soot. Soot accumulated on the sensor can reduce the dehumidifying capacity.

Exhaust Gas Temperature Sensor

The Cabin Temperature Sensor is one of the sensors that monitor the vehicle interior environment. The temperature sensor is installed near the instrument panel, the dashboard panel, the side panel, or the headliner, and sends the data to the Air-conditioner ECU.

Cabin Temperature Sensor

The Air Flow Meter is a sensor that measures how much air is supplied to the engine. This function better controls the speed of the engine and the amount of air supplied to the engine.

Air Flow Meter

The Air-speed Sensor measures the speed of the vehicle based on the stream of air that enters the air inlet of the engine. This information is sent to the Engine ECU and is used to adjust the air-fuel ratio and to determine the amount of fuel to inject into the cylinder. The Air-speed Sensor is usually installed in the air inlet of the engine.

Air-speed Sensor

The Air Filter is a filter that prevents dust and dirt from entering the engine. This filter is usually located in the air inlet of the engine and is made of a material that can trap dust and dirt. The Air Filter prevents dust and dirt from entering the engine and helps to protect the engine from damage.

Air Filter

The Electric Compressor is a component of the Hybrid Electric Vehicle air conditioning system. The Electric Compressor compresses the refrigerant gas and sends it to the condenser, where it is cooled and condensed. This process helps to cool the air in the vehicle.

Electric Compressor

The Generator is a component of the Hybrid Electric Vehicle electric system. The Generator produces electricity by converting the mechanical energy of the engine into electrical energy. This electricity is used to power the vehicle's electrical systems and to charge the battery packs.

Generator

The Motor Generator is a component of drive motors for hybrid vehicles. A motor generator can be used as a motor to power the vehicle, or it can be used as a generator to produce electricity. Motor generators are used in hybrid vehicles to provide power when the engine is not running.

Motor Generator

The Ionizer is a component of the air purification system. The Ionizer produces negative ions in the air, which can help to remove pollutants from the air. The Ionizer is usually installed in the air conditioning system and is activated when the air conditioning system is turned on.

Ionizer

The Linkless Smart Wiper is a wiper that does not use a mechanical linkage to move the wiper blades. Instead, the Linkless Smart Wiper uses an electromagnet to move the wiper blades. The Linkless Smart Wiper is used on Hybrid Electric Vehicles to improve the aerodynamics of the vehicle and to reduce the drag on the vehicle.

Linkless Smart Wiper

The Washer System is used to clean the windshield of the vehicle. The Washer System consists of a washer fluid nozzle, pump, and tank. The Washer System directs the washer fluid to the windshield to remove dirt and debris from the windshield.

Washer System

The Hybrid Electric Vehicle Electronic Control Unit (ECU) is a computer that controls the various systems of the Hybrid Electric Vehicle. The Hybrid Electric Vehicle ECU is responsible for controlling the powertrain, the electric motors, and the battery packs. The Hybrid Electric Vehicle ECU is also responsible for controlling the various sensors, actuators, and displays that are used in the vehicle.

Hybrid Electric Vehicle Electronic Control Unit

The Electric Fan is a component of the cooling system of the vehicle. The Electric Fan is used to circulate air through the radiator, which helps to cool the engine. The Electric Fan is usually activated when the engine is running and the engine temperature is too high.

Electric Fan

The Fuel Pump Module delivers filtered and pressure-regulated fuel from the Fuel Tank to the engine while the engine of a hybrid electric vehicle is running. The Fuel Pump Module is an important component of the fuel system of the vehicle. It is responsible for delivering fuel to the engine at the correct pressure and flow rate. The Fuel Pump Module is usually located in the Fuel Tank and is powered by the vehicle's electrical system.

Fuel Pump Module

The Power Control Unit is given instructions by the Hybrid Electric Vehicle ECU on optimal frequency and voltage. The Power Control Unit has an inverter and other devices to change the power from the Alternator to the power sources of the vehicle. The Power Control Unit is an important component of the power system of the vehicle. It is responsible for converting the power from the Alternator to the power sources of the vehicle.

Power Control Unit

The Alternator is a component of the hybrid electric vehicle's power system. The Alternator produces electricity by converting the mechanical energy of the engine into electrical energy. The Alternator is usually located on the engine and is powered by the engine's rotation. The Alternator produces electricity that is used to power the vehicle's electrical systems and to charge the battery packs.

Alternator

The ISG via a belt, which rotates the ISG rotor to generate power. The ISG is a component of the hybrid electric vehicle's power system. The ISG is a small electric motor that is used to help power the vehicle. The ISG is connected to the engine by a belt, and it generates power when the engine is running. The ISG is an important component of the power system of the vehicle.

ISG

The Starter pinion gear is engaged with the engine ring gear to transmit the rotation of the Starter to the engine. The Starter pinion gear is a component of the starter motor of the vehicle. The Starter pinion gear is engaged with the engine ring gear to transmit the rotation of the Starter to the engine. The Starter pinion gear is an important component of the starter motor of the vehicle. It is responsible for transmitting the rotation of the Starter to the engine.

Starter pinion gear

The Ignition Coil produces a high-voltage electric spark to ignite the gasoline mixture. The Ignition Coil is a component of the spark ignition system of the vehicle. The Ignition Coil is responsible for producing the high-voltage electric spark that ignites the gasoline mixture. The Ignition Coil is usually located near the spark plugs and is powered by the vehicle's electrical system.

Ignition Coil

The Spark Plugs generate thrust. The Spark Plugs are components of the spark ignition system of the vehicle. The Spark Plugs are mounted in the engine and are responsible for generating a high-voltage electric spark that ignites the gasoline mixture. The Spark Plugs are an important component of the spark ignition system of the vehicle. They are responsible for generating the high-voltage electric spark that ignites the gasoline mixture.

Spark Plugs

The Engine power comes from controlled explosions of gasoline mixtures (mixtures of gasoline and air) inside the gasoline engine. Spark Plugs generate a high-voltage electric spark to ignite the gasoline mixture. The engine power comes from controlled explosions of gasoline mixtures (mixtures of gasoline and air) inside the gasoline engine. Spark Plugs generate a high-voltage electric spark to ignite the gasoline mixture.

Electric Fan

The Air-conditioner ECU is a computer that automatically controls cabin air conditioning and ventilation operations. The Air-conditioner ECU is responsible for controlling the various systems of the air conditioning system, such as the compressor, the condenser, and the evaporator. The Air-conditioner ECU is an important component of the air conditioning system of the vehicle. It is responsible for controlling the various systems of the air conditioning system.