

Automotive Engine System

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Automotive Engine System

Most automobile engines arrange their cylinders in a straight line, such as an inline-four, or combine two banks of inline cylinders in a vee, as in a V-6 or a V-8. Engines are also classified by...

How a Car Engine Works - Car Engine Explained in Plain English

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Vehicle - Engine Systems

System components include a radiator to dissipate heat, a fan or fans to ensure adequate airflow for radiator cooling, a thermostat valve that opens when the desired operating temperature is...

Engine-Cooling System | Cars.com

When it comes to day-to-day car maintenance, your first concern is probably the amount of gas in your car. How does the gas that you put in power the cylinders? The engine's fuel system pumps gas from the gas tank and mixes it with air so that the proper air/fuel mixture can flow into the cylinders. Fuel is delivered in modern vehicles in two common ways: port fuel injection and direct fuel injection.

How Car Engines Work | HowStuffWorks

The engine electronic control system consists of sensors, a control unit and actuators. The control unit receives signals from the sensors and then sends the signals to various actuators. There are sensors on the engine, in the intake system and in the exhaust system; the injectors are the actuators that adjust the spray of fuel.

Engine Systems « Automotive Mechanics

The chief characteristic of an automotive engine (compared to a stationary engine or a marine engine) is a high power-to-weight ratio. This is achieved by using a high rotational speed. However, automotive engines are sometimes modified for marine use, forming a marine automobile engine.

Automotive engine - Wikipedia

The Internal Combustion Engine An internal combustion engine is called an "internal combustion engine" because fuel and air combust inside the engine to create the energy to move the pistons, which in turn move the car (we'll show you how that happens in detail below).

How a Car Engine Works | The Art of Manliness

An engine control unit, also commonly called an engine control module, is a type of electronic control unit that controls a series of actuators on an internal combustion engine to ensure optimal engine performance. It does this by reading values from a multitude of sensors within the engine bay, interpreting the data using multidimensional performance maps, and adjusting the engine actuators. Before ECUs, air-fuel mixture, ignition timing, and idle speed were mechanically set and ...

Engine control unit - Wikipedia

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The inherent appeal of car wiring, Dr. Parsons said, is complemented by the fact that, in recent years, many car manufacturers have switched from petroleum-based wire insulation to greener, less ...

Oh, Rats! Finally Moving Your Car ... - The New York Times

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Rebuilt Engines & Remanufactured Engines by Powertrain ...

The purpose of a petroleum car engine is to convert petroleum into motion so that your car can move. Currently the easiest way to create motion from petroleum is to burn the petroleum inside an engine. Therefore, a car engine is an - combustion takes place internal combustion engine internally. Two things to note:

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The system drew in more outside air than contemporary systems; thus, reducing the staleness associated with automotive air conditioning at the time. Instead of plastic tubes mounted on the rear window package shelf as on GM cars, small ducts directed cool air toward the ceiling of the car where it filtered down around the passengers instead of ...

Automobile air conditioning - Wikipedia

The engine is the heart of your car. It is a complex machine built to convert heat from burning gas into the force that turns the road wheels.

The engine | How a Car Works

Emission control system, in automobiles, means employed to limit the discharge of noxious gases from the internal-combustion engine and other components. There are three main sources of these gases: the engine exhaust, the crankcase, and the fuel tank and carburetor.

emission control system | Description, Components, & Facts ...

A cooling system works by sending a liquid coolant through passages in the engine block and heads. As the coolant flows through these passages, it picks up heat from the engine. The heated fluid then makes its way through a rubber hose to the radiator in the front of the car.

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