

How Gasoline Engines Work

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How Gasoline Engines Work

The fuel (coal, wood, oil) in a steam engine burns outside the engine to create steam, and the steam creates motion inside the engine. Internal combustion is a lot more efficient than external combustion, plus an internal combustion engine is a lot smaller.

How Car Engines Work | HowStuffWorks

Wonder how the gasoline engine works in your car? Find out from this cool video!

How Gasoline Engine Works

Photo: Car engines turn energy locked in liquid fuel into heat and kinetic energy. They're full of pipes and cylinders because they work like mini chemical plants. They're full of pipes and cylinders because they work like mini chemical plants.

How do car engines work? - Explain that Stuff

Today's Wonder of the Day was inspired by Eddie. Eddie Wonders, "how does an engine work on a car" Thanks for WONDERing with us, Eddie! The explosions force pistons in the engine to move. When the energy from the first explosion has almost run out, another explosion occurs. This forces the ...

How Does an Engine Work? | Wonderopolis

How Car Engines Work. Almost every car with a gasoline engine uses a four-stroke combustion cycle to convert gasoline into motion. The four-stroke approach is also known as the Otto cycle, in honor of Nikolaus Otto, who invented it in 1867. The four strokes are illustrated in Figure 1. They are:

Internal Combustion | HowStuffWorks

How Do Gasoline Cars Work? Gasoline and diesel vehicles are similar. They both use internal combustion engines. A gasoline car typically uses a spark-ignited internal combustion engine, rather than the compression-ignited systems used in diesel vehicles. In a spark-ignited system, the fuel is injected into the combustion chamber and combined with air.

Alternative Fuels Data Center: How Do Gasoline Cars Work?

In the United States and the rest of the industrialized world, gasoline is definitely a vital fluid. It is as vital to the economy as blood is to a person. Without gasoline (and diesel fuel), the world as we know it would grind to a halt. The U.S. alone consumes something like 130 billion gallons (almost 500 billion liters) of gasoline per year!

How Gasoline Works | HowStuffWorks

If you've read How Car Engines Work, you know that almost all cars use four-stroke gasoline engines. One of the strokes is the compression stroke, where the engine compresses a cylinder-full of air and gas into a much smaller volume before igniting it with a spark plug. The amount of compression ...

What is octane? - How Gasoline Works | HowStuffWorks

Because the throttle decides how much of the air/fuel mixture the carburetor lets into the engine, the fuel is introduced in a linear way, with more throttle equalling more fuel. If the engine needs 30% more fuel at 5,000 RPM than it does at 4,000 RPM, for instance, a carburetor would struggle to make it run smoothly.

How Does the Fuel System Work in a Modern Car ...

In an internal combustion engine (ICE), the ignition and combustion of the fuel occurs within the engine itself. The engine then partially converts the energy from the combustion to work. The engine consists of a fixed cylinder and a moving piston.

Internal Combustion Engine Basics | Department of Energy

A gas engine is an internal combustion engine which runs on a gas fuel, such as coal gas, producer gas, biogas, landfill gas or natural gas. In the UK, the term is unambiguous. In the US, due to the widespread use of "gas" as an abbreviation for gasoline, such an engine might also be called a gaseous-fueled engine or natural gas engine or spark ignited.

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