

## **HOW CAR ENGINES WORK**

Have you ever opened the **hood** of your car and wondered what was going on in there? A car engine can look like a big confusing mix of metal, tubes and wires to the *uninitiated*.

You might want to know what's going on simply out of curiosity. Or *perhaps* you are buying a new car and you hear things like "2.5-liter incline four" and "turbocharged" and "start/stop technology." What does all of that mean?

In this article, we'll discuss the basic idea behind an engine and then go into detail about how all the pieces *fit* together, what can go wrong and how to *increase* *performance*.

The purpose of a gasoline car engine is to convert gasoline into *motion* so that your car can move. Currently the easiest way to create *motion* from gasoline is to burn the gasoline

### **Match the phrasal verb with its correspondent meaning**

1) Look like	a) where it happens
2) Going on	b) explore
3) Go into	c) what is happening
4) Take place	d) similar

inside an engine. Therefore, a car engine is an **internal combustion engine** — combustion takes place internally

**Look the meaning for the following words:**

Uninitiated

Perhaps

Fit

Increase

Performances

Motion

Currently

Therefore

### **Create one sentence for each phrasal verb**

1 -
2 -
3 -
4 -

### **Two things to note:**

- There are different kinds of internal combustion engines. **Diesel engines** are one type and gas turbine engines are another. Each has its own advantages and disadvantages.

What are the advantages and disadvantages of each one?

- There are also, **external combustion engine**. The **steam engine** in old-fashioned trains and steam boats is the best example of an external combustion engine. 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.

Give another example for external combustion engine