

Fuel and Lubricants



Description

Many types of fuels and lubricants are used in vehicles.

Some of them contain extremely poisonous and flammable substances and must be handled with care.

Beware that if an unsuitable type of fuel or lubricant is used by mistake, it can cause critical damage to working parts.

It is important to know the various types of fuels and lubricants.

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Fuels



Fuels

The fuels currently used by automobiles include gasoline and diesel fuel (light oil), as well as methanol, LPG, and other fuels.

Here, we will discuss the two most common fuels: gasoline and diesel fuel. □

HINT:

Gasoline deteriorates as time goes by.

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Page 1 of 14

(1/1)



Gasoline

Gasoline is a hydrocarbon compound produced by the refining of crude oil.

Gasoline is highly volatile, and generates a large amount of heat.

Also, gasoline meets the necessary conditions for vehicle fuel:

- Harmful material is not included.
- High anti-knocking properties.
- Relatively low price.

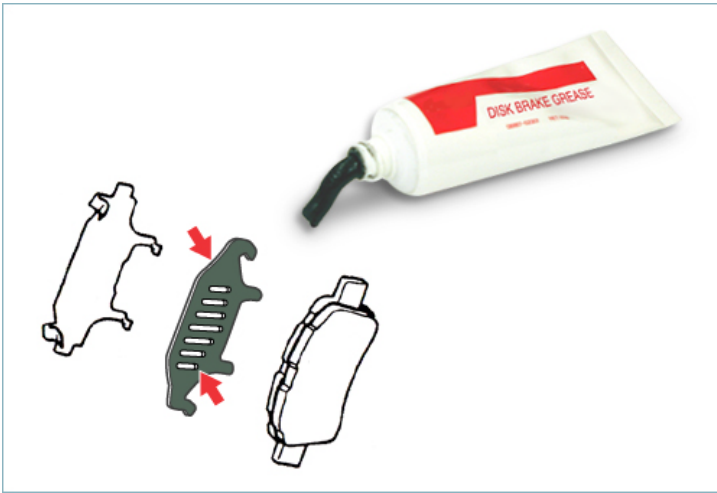
For these reasons, that the gasoline is used for the fuel of the gasoline engine.

CAUTION:

Gasoline is highly volatile, and becomes vaporized into flammable gas upon contact with air.

Because it ignites easily with the slightest spark and is therefore very dangerous, it must be handled carefully.

(1/2)



Disc brake grease

Grease color

Grey

Areas of use

Anti- squeal shim of disc brake



Release hub grease

Grease color

Black

Areas of use

Clutch release hub

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Page 7 of 14

(1/1)



Fluids

Several types of fluids are used in automobiles: Automatic transmission fluid, Power steering fluid, Brake fluid, and so on.

These fluids have a wide range of applications, including transmission of power, hydraulic control, and lubrication.

(1/5)