

The logo of Galgotias University is a stylized 'G' composed of three curved, overlapping bands in shades of yellow, blue, and red, set against a light pink circular background.

Port injection System

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- Injector is placed on the side of intake manifold.
- Injector sprays petrol into the air.
- Mixture of air and fuel through the intake valve enters into the cylinder.
- Every cylinder is Provided with an injector.

Throttle Body Injection (Single point Injection)

- Throttle valve control the amount of air.
- Injector is placed above the throttle body.
- Injector sprays petrol into the air.
- This mixture then passes through the throttle valve and then enters into the intake manifold.

D - MPFI

- Pressure sensor in the intake manifold detects the intake manifold vacuum and sends the signal to ECU.
- Speed sensor also send the signal about speed of engine to ECU.
- ECU processes the information received sends the proper signal to injector.
- Injector regulate the amount of petrol supply for injection.

D - MPFI

- After injection the petrol mixes with the air in the intake manifold and the mixture enters in the cylinder.

L - MPFI

- It consists of air flow meter which regulate the amount of air entering into cylinder.
- Air flow sensor measures the amount of air enters in the intake manifold.
- Air flow sensor sends the signal to ECU.
- Speed sensor also send the signal about speed of engine to ECU.
- ECU processes the information received sends the proper signal to injector.
- Injector regulate the amount of petrol supply for injection.

L - MPFI

After injection the petrol mixes with the air in the intake manifold and the mixture enters in the cylinder.

Classification of fuels

1) Liquid fuels :

Natural : Petroleum

Artificial :

a) Petroleum based : Gasoline (Petrol), Diesel , Kerosene.

b) Non Petroleum based : Benzol , Alcohols,Acetones



References

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A large, faded logo of Galgotias University is centered in the background. It features a circular emblem with three curved, overlapping bands in shades of yellow, blue, and red, creating a sense of motion or a stylized 'G'.

Thank you

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