



Fuel Pump

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Construction of Fuel Pump

It consist of :

- Tappet which is in contact with cam shaft.
- Barrel
- Plunger (single acting)and plunger spring.
- Inlet port and spill port.

Working of Fuel Pump

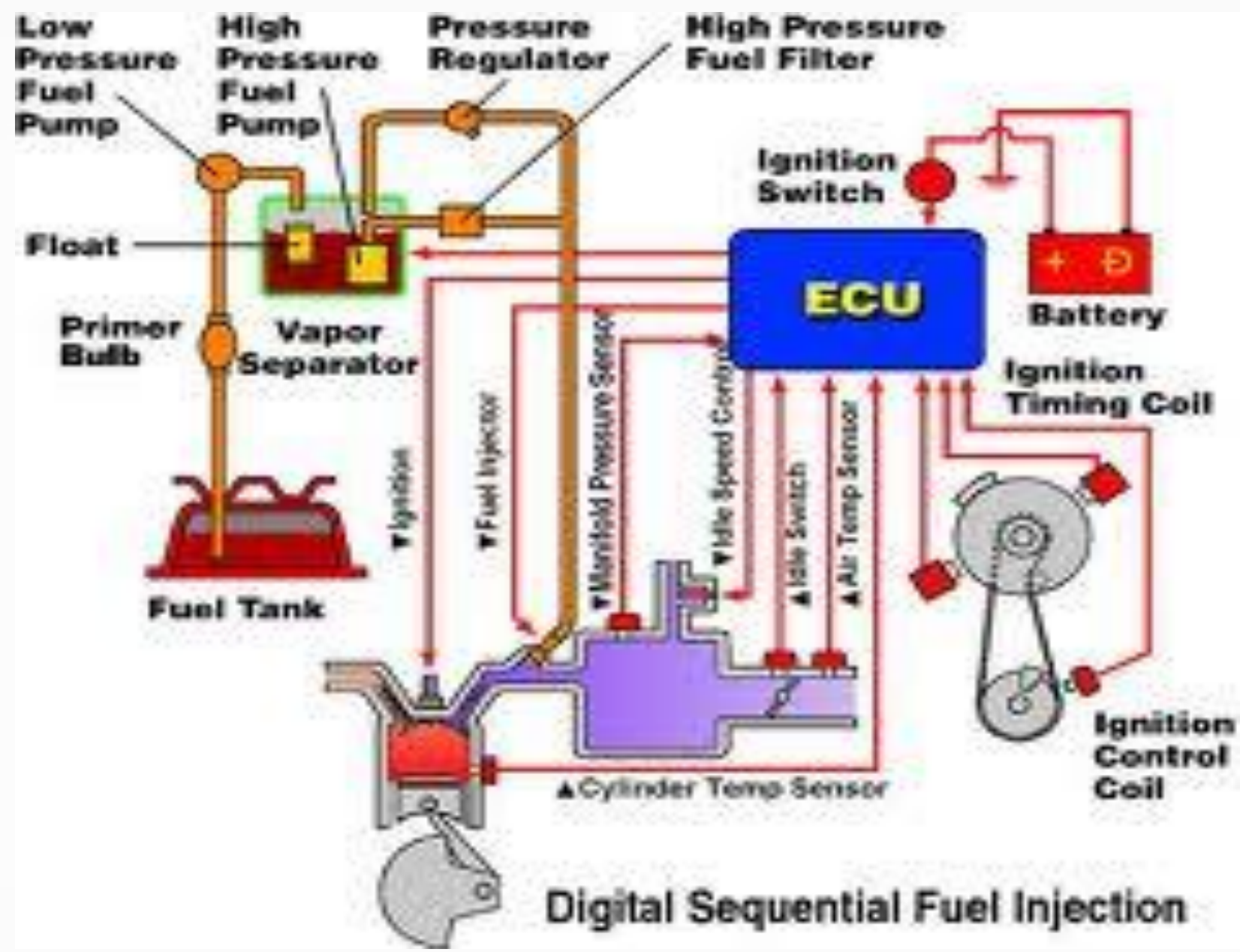
- When the plunger is at bottom of its stroke , fuel flows through the inlet port and fill the fuel chamber, vertical groove, helix.
- When the plunger starts moving up , a certain amount of fuel goes out through the ports until the plunger close the ports.
- Then plunger compress the fuel and forced out through the delivery valve to the pipe leading to the injector.
- Injection process continues till the lower end of the helix uncovers the spill port.

Multi Point Fuel Injection

- It supply the proper ratio of air and fuel to the engine cylinder.

There are two types :

1. Port injection.
2. Throttle body injection.

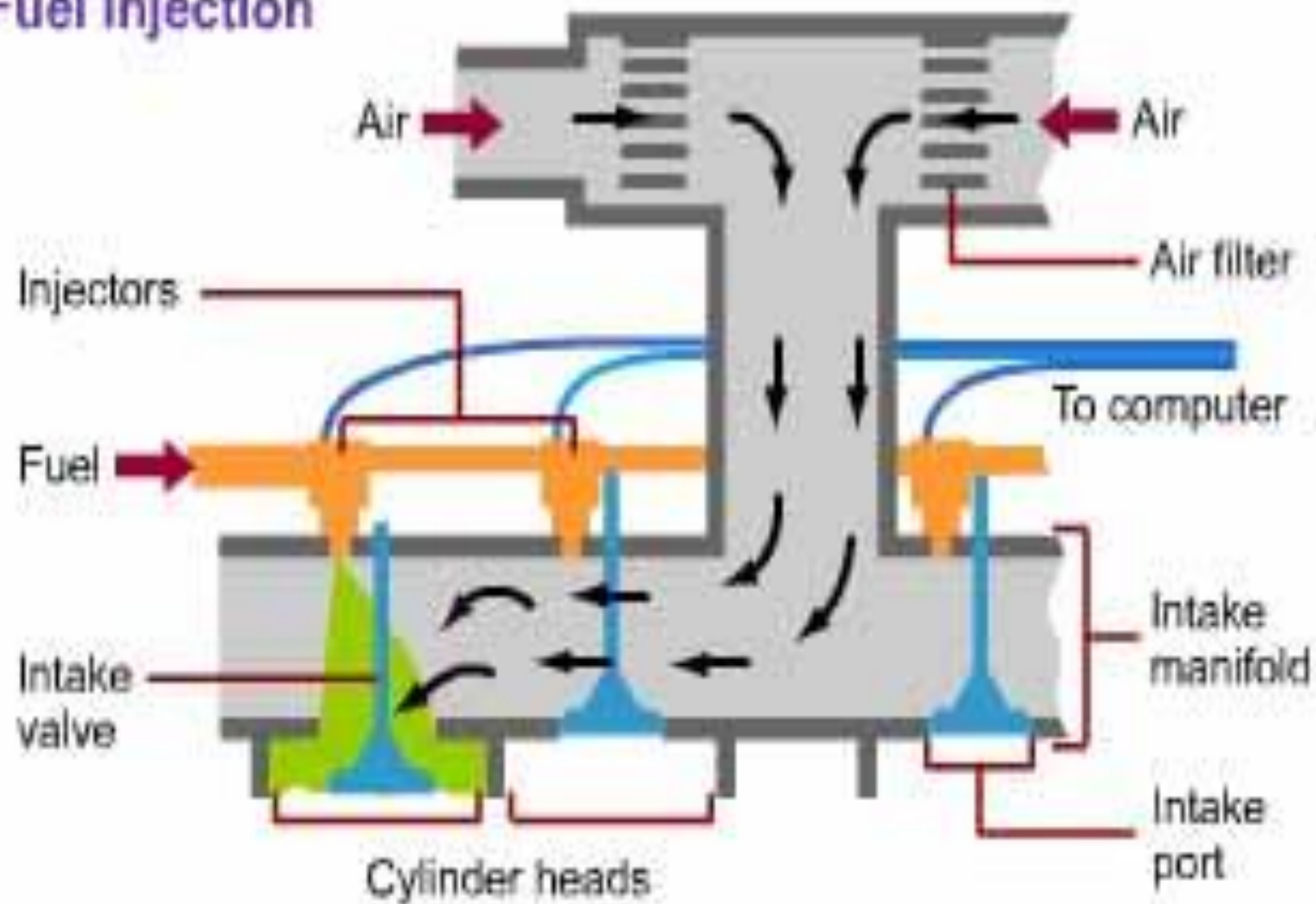


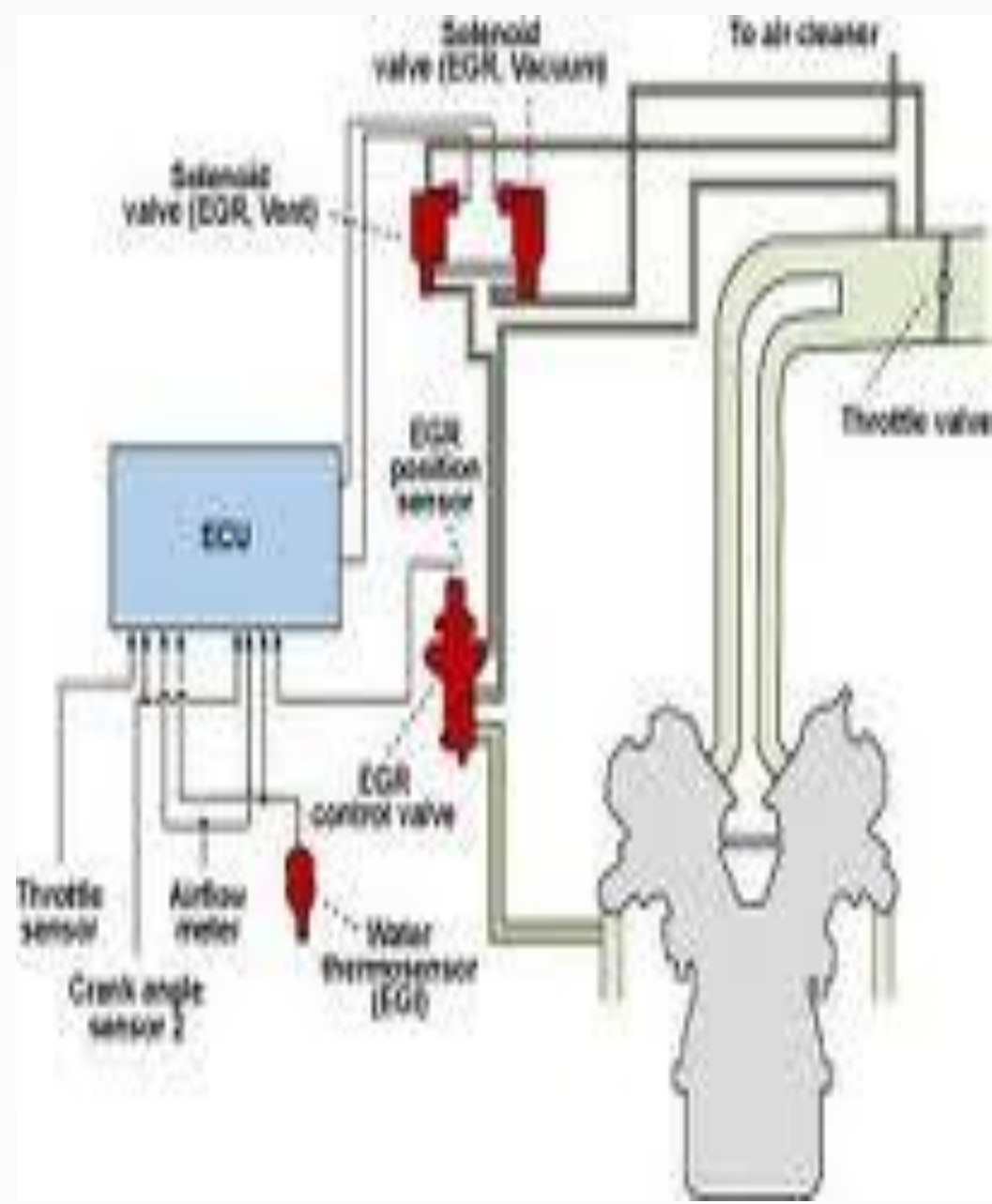
Digital Sequential Fuel Injection

Electronic Fuel Injection and Throttle Control



Multi-Point Fuel Injection







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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