

JOB ROLE – AUTOMOTIVE SERVICE TECHNICIAN

Sector: Automotive
(Qualification Pack Code : ASC/Q1401)



PSS Central Institute of Vocational Education
Shyamla Hills, Bhopal – 462013, Madhya Pradesh, India

www.psscive.ac.in

Unit – 3: Major Systems & Components of an Automobile

Session 5: Fuel Supply System

Content

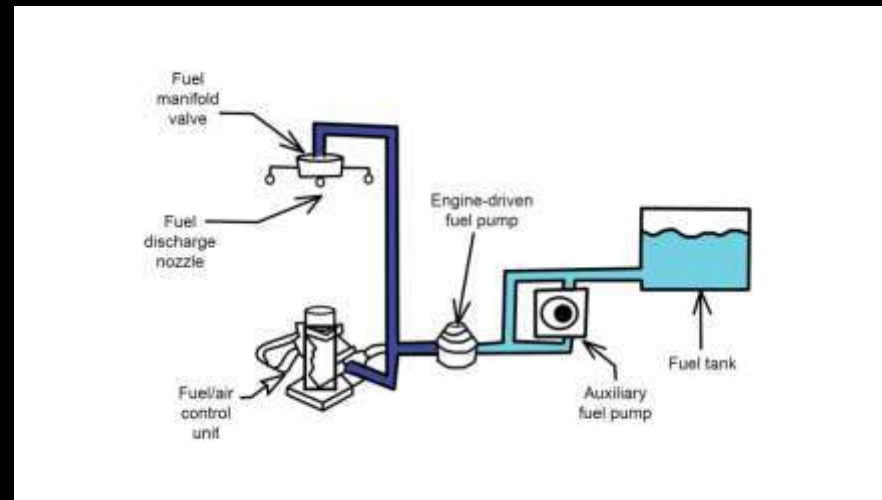
Title	Slide No.
Session Objective	4
Introduction	5-6
Difference Fuel Supply Components SI Engine and CI Engine	7
Summary	8

Session Objectives

1. The student will be Able to understand Importance of Fuel Supply System in engine.
2. After this Session student Can Identify the components of Fuel Supply system of engine.

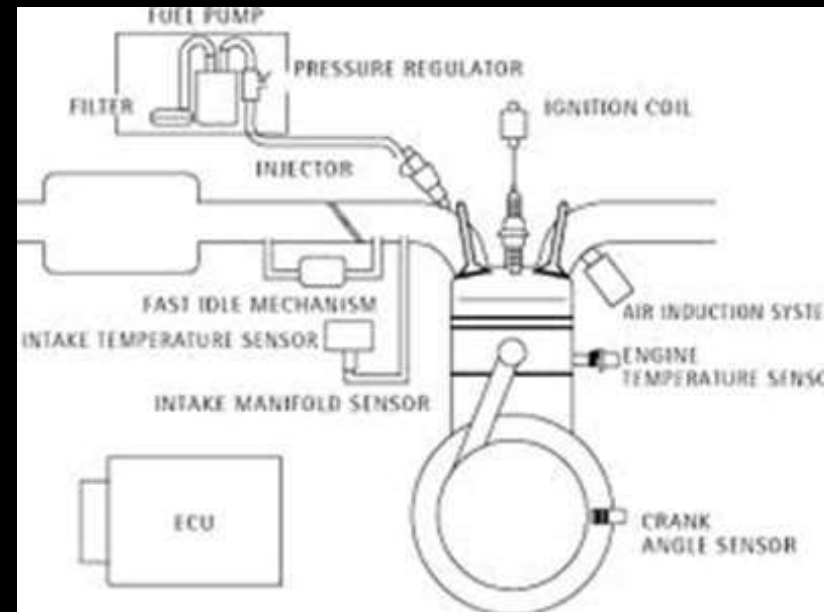
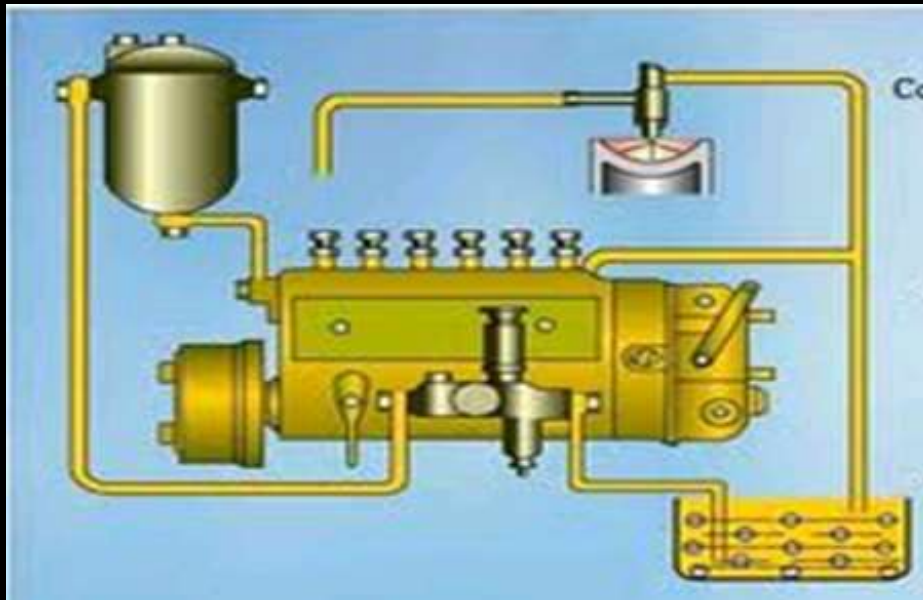
Introduction

Fuel Supply System : In petrol engines, the air and fuel is mixed outside the engine and partly evaporated mixture is supplied to the engine. The fuels such as petrol, benzol and alcohol used in SI engine, vaporizes easily if injected in the flow of air, therefore, the engine suction is sufficient to draw the mixture easily in to the cylinder.



Conti.....

The oil fuels which are used in CI engines do not vaporize easily. Therefore, a separate injection system is used consists of fuel injection pump (FIP) and injectors.



Difference Fuel Supply Components SI Engine and CI Engine

FUEL SUPPLY COMPONENTS FOR SI ENGINE	FUEL SUPPLY COMPONENTS FOR CI ENGINE
Fuel lines	Fuel tank
Fuel filter	Fuel lines
Inlet manifold	Fuel feed pump
Air cleaner	Fuel filter
Carburetor	Fuel injection pump (FIP)
Fuel Pump	Fuel injectors

Summary

In this session you have learnt about Fuel supply system in Internal compression Engine and its major components .

In petrol engines the air and fuel is mixed outside the engine and partly evaporated mixture is supplied to the engine.

- The oil fuels which are used in CI engines do not vaporize easily.

Project Coordinator : Dr. Saurabh Prakash

**Assistance
Er. Kuber Singh , Consultant**



Joint Director
PSS Central Institute of Vocational Education
Shyamla Hills, Bhopal – 462013 , Madhya Pradesh, India

**E-mail: jdpsscive@gmail.com
Tel. +91 755 2660691, 2704100, 2660391, 2660564
Fax +91 755 2660481
Website: www.psscive.ac.in**