

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

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Unit – 3: Vehicle Servicing

Session 5: Changing of Coolant

Content

Title	Slide No.
Session Objective	4
Introduction	5-6
Changing of coolant	6-7
Summary	11

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

Coolant

A coolant is a fluid which flows through a device to prevent its overheating, transferring the heat produced by the device to other devices that use or dissipate it. An ideal coolant has high thermal capacity, low viscosity, is low-cost, non-toxic, and chemically inert, neither causing nor promoting corrosion of the cooling system. While the term coolant is commonly used in automotive, residential and commercial temperature-control applications, in industrial processing also.

Changing of coolant

Coolant

Most people never change their engine coolant or even know that they should. Whether you call it coolant, antifreeze or radiator fluid, it's the stuff that helps keep your car's engine from overheating, and without it, your car most certainly will overheat quickly and cause massive damage to the engine.

Material and Tools Requirement for the changing of coolant

- Pan
- Coolant
- Spanner

Steps of Changing coolant

1. Purchase the coolant as per manufactures specifications
2. Prepare the vehicle: Keep your car in plain space and keep engine off for few hour so that engine is cool.
3. Keep a pan below radiator
4. Open the radiator cap and see level of coolant
5. Open the drain plug nut below radiator chamber by using wrench or by hand if possible
6. Coolant will start coming out and all coolant will be emptied.
7. Put back the drain plug at the bottom of radiator
8. Fill the radiator to the top with the coolant.

Summary

In this session you have learnt about A coolant is a fluid which flows through a device to prevent its overheating, transferring the heat produced by the device to other devices that use or dissipate it. Changing of coolant Most people never change their engine coolant or even know that they should. Whether you call it coolant, antifreeze or radiator fluid, it's the stuff that helps keep your car's engine from overheating, and without it.

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