

JOB ROLE – AUTOMOTIVE SERVICE TECHNICIAN

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



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Unit 1: Automobile and their Components

Session 2: Body or Superstructure

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Session Objectives

1. The student will be to Able to explain importance of body
2. Able to identify general components of a body.

Introduction

As you know that the growth in the automobile sector is progressing in our country. New developments are taking place day by day. The previous level you studied little about the type of body and their fixing methods with the chassis frame and the requirements of automobile body. Here you are going to learn about different the parts of the body or superstructure..

Different Components of Automobile body

1. **Body shell** – The body structural assemblies are joined into an integral shell by electric spot welding.
2. **Floor Assemble** – Generally, the floor of the body is assembled first and after that the pillars, rails and panels are welded in order to form the complete body.
3. **Doors** – Each door is provided with a check arm consisting of an articulated plate secured on a pillar and sliding into a slot in door. A rubber pad on check arm tip prevents the arm from sliding out of its slot, thus checking opening of the door. Door windows are held by fasteners.
4. **Windshield and Back window** – To improve visibility the windshield and back window are curved. They are also provided with weather strips and bright metal reveals.

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6. **Seats** – The bench type front seat consists of a metal framing on which the stuffed, cloth and imitation leather upholstered seat back is fixed. A lever projecting laterally to the cushion disengages the slide catch for seat position adjustment. The cushion is just press fitted in the framing. The rear seat is in two separate parts.

- The back, fitted between the rear wheel boxes and resting against the luggage compartment partition.
- The cushion, resting directly on floor and positioned by two rubber studs.

7. **Hood** – The hood is made in a single piece, hinged at the rear to cover the engine compartment. Around the edges of the engine compartment on which the hood rests when closed are fitted rubber bumper pins. The hood is kept closed by a locking catch.

8. Deck lid – The deck lid is opened and closed, with the help of a handle. To keep the lid closed, a catch is engaged in a striker. The luggage compartment opening edge is lined with rubber weather strips. In a well at bottom of luggage compartment, is the spare wheel.

9. Bumpers – The rear and front bumpers consist of a single bar provided with two ornaments. The rear bumper is secured by screws of the ornaments and by two side screws covered with chromium plated bosses. The front bumper is secured through the ornament stud screws and nut, in two brackets welded on body.

• Different Parts of Automobile body

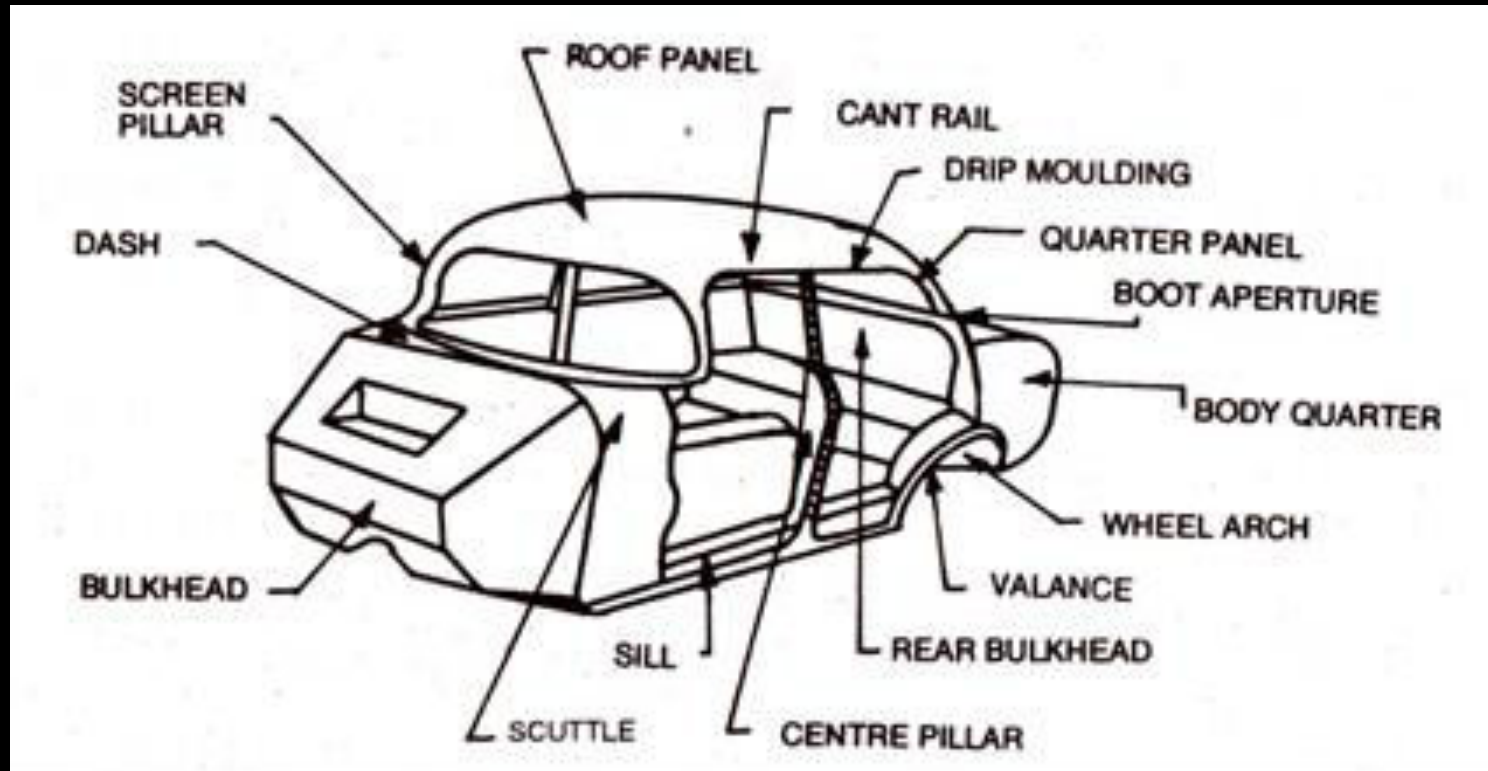


Fig : Various Parts of a Car Body

Summary

In this session , you have learnt about the Role of Automobile body or Superstructure and its importance in Auto vehicle . We can say that Body or Superstructure is the under part of a motor vehicle .

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