



Need for Airbag





INTRODUCTION

- An airbag is a vehicle occupant-restraint system using a bag designed to inflate extremely quickly, then quickly deflate during a collision.
- The purpose of the airbag is to provide a vehicle occupant with a soft cushioning and restraint during a crash event.
- It can reduce injuries between the flailing occupant and the interior of the vehicle.





WORKING

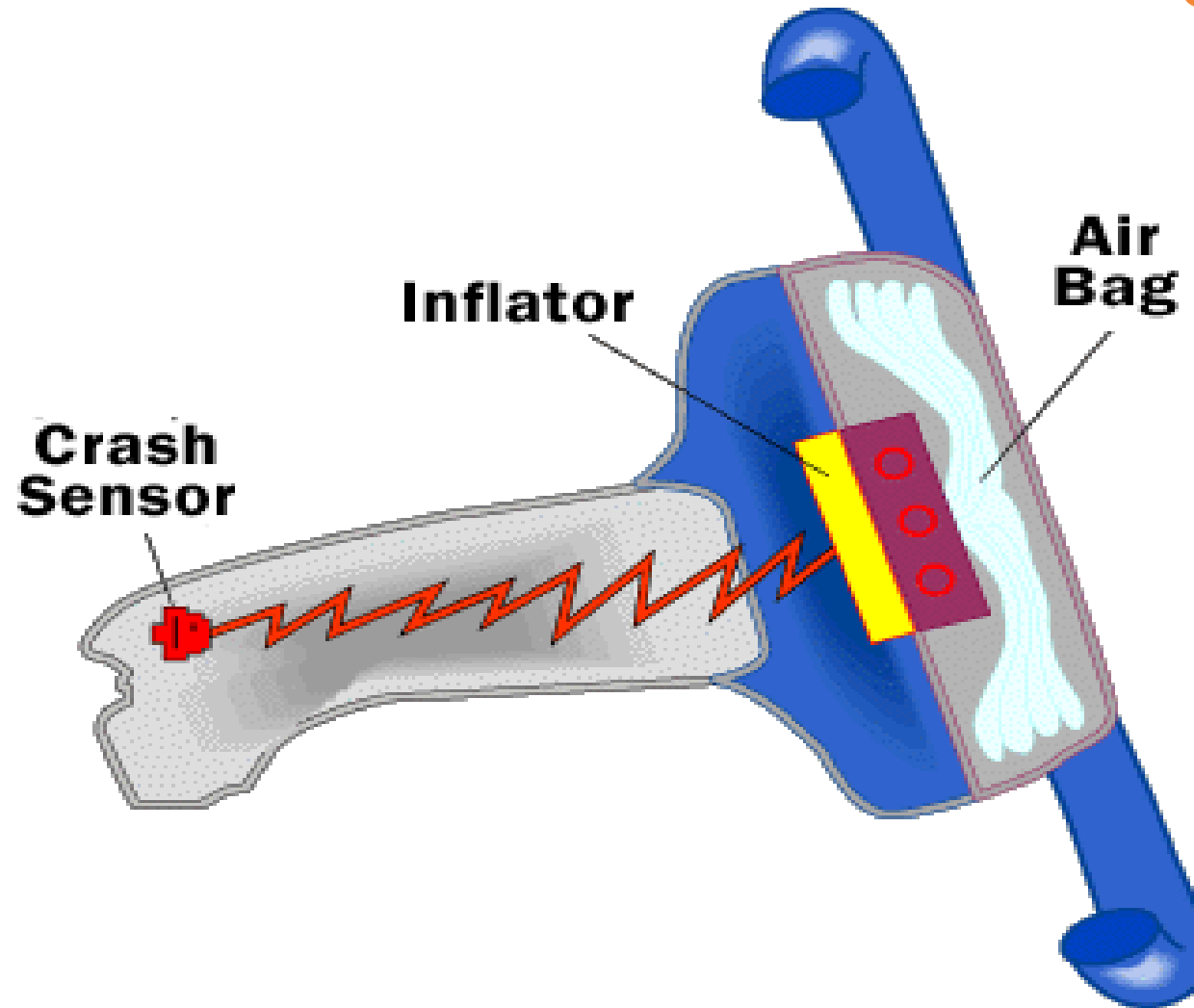




COMPONENTS OF ABS

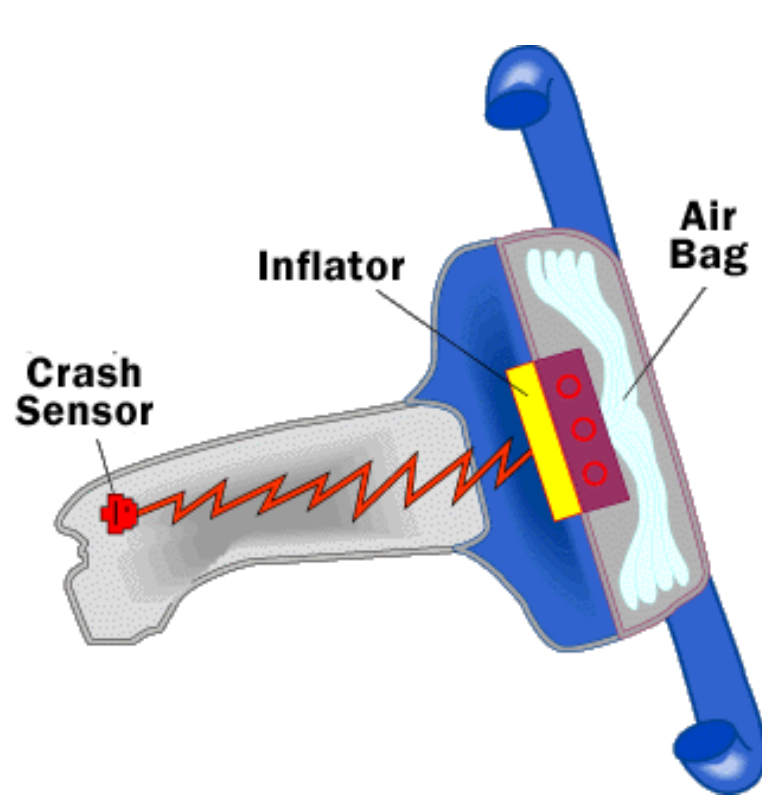


- ❖ Crash Sensor
- ❖ Airbag
- ❖ Inflator
- ❖ Control Unit

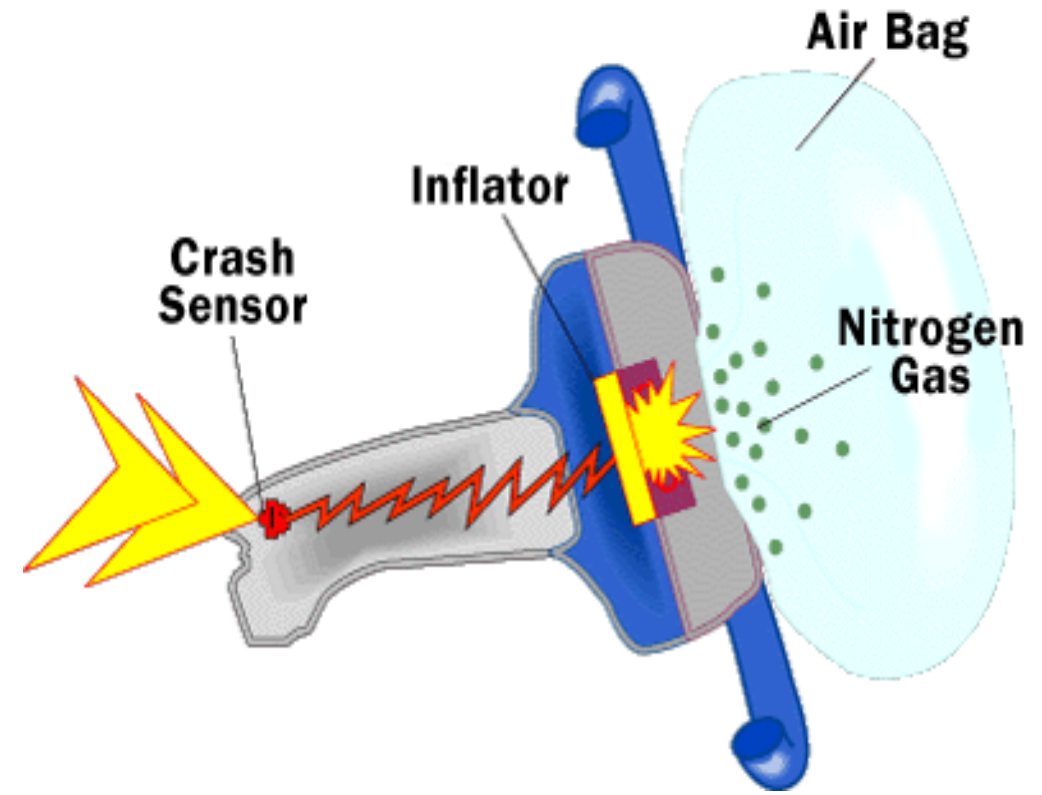




WORKING



Airbag before collision



Airbag after collision



Importance of Seatbelt in Airbag System





ADVANTAGES



- ❖ Increasing cushioning around his neck, head, and spine.
- ❖ Decreasing the amount of force impacting a person's head by limiting the distance it can fling forward.





DISADVANTAGES



- ❖ After airbags have been deployed you may spend more money for getting passenger airbags reset.

