

Unit Standard 22799

Demonstrate safety precautions on vehicles fitted with air bags and/or seatbelt pre-tensioners

Level 3 Credit 1 v1

Student Name:

School:

Date:

Marked By: _____ **Mark** _____ **%**

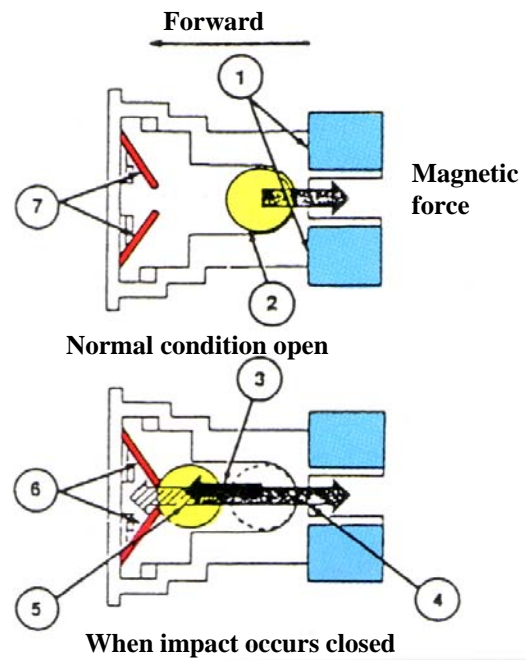
Feedback: **Excellent work**
 Good work

Please attempt all questions
Please resubmit

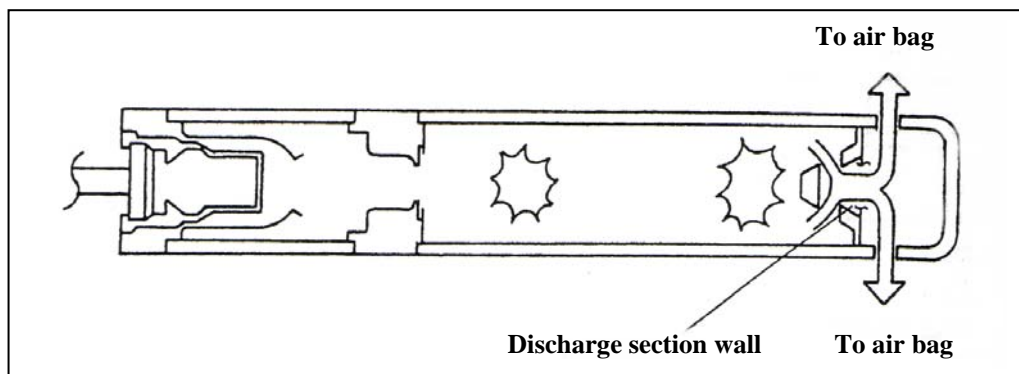
REVIEW QUESTIONS

1. List three factors that must be taken into account for air bag deployment.
2. Explain how the triggering mechanism reacts in the event of an accident.
3. What is the resulting product from the burning of sodium azide and copper oxide within the inflator assembly?
4. What is used to aid the deflation of the air bag when struck by the driver?
5. Why is the passenger side air bag of a larger capacity than that of the driver's air bag?

11. Refer to the diagram of the crash sensor below to explain how sensor respond in event of a crash.



12. Describe what is happening in diagram below.



13. List two safety precautions that must be carried out when welding on or near a vehicle fitted with an airbag system.

18. Complete the following sentence.

The _____ is designed to _____ before
the driver _____ forward _____ and to
when _____ by the _____ .

19. Describe the purpose of each of the following air bag components.

Tone generator

Air bag readiness light

Clock springs

20. What is the minimum number of sensors that need to close to deploy the airbag in a vehicle?



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