
Course Syllabus:

A-SAF-026 Jump Starting Vehicles



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Overview

When jump-starting a vehicle, it is possible to be seriously injured or cause severe damage to a vehicle if it is not done properly. Most vehicles have a lead acid starter battery that contains sulfuric acid and can release hydrogen gas during normal charging and discharging cycles.

Therefore, it is important to know how to properly jump-start the vehicle to prevent injury or damage to persons or property.

Goals

This course focuses on safe work practices for jump-starting vehicles equipped with wet acid, sealed lead acid (SLA, VRLA) or absorbed glass mat (AGM) batteries.

This course has two short learning modules, including:

- Safety Considerations
- Jump-Starting Vehicles

Lesson Topics

Module 1 – Introduction

- Course Objectives
- WBT Library
- Glossary
- Learning Assessment & Final Exam
- Additional Information

Module 2 – Safety Considerations

- Battery Types
- Lead Acid
- Sealed Lead-Acid
- Absorbed Glass Mat
- Battery Hazards- Electrical
- Battery Hazards- Chemical
- Personal Protective Equipment (PPE)
- Safety Equipment

Materials

Computer (PC, laptop)
Internet Connection: High Speed

Requirements

You should print and maintain a copy of this course syllabus and overview on file at your facility. It is recommended that you provide a copy of this document in the event of a regulatory agency (e.g., OSHA) inspection.

Evaluation

Upon completion of the course of instruction, a comprehensive examination will be offered. In order to earn a Certificate of Completion, you must receive at least 80% on the exam. The exam is comprised of at least 10 questions, randomly selected from a database of questions and address each of the lesson topics covered in the course.

Lesson Topics – cont'd

Module 2 – Safety Considerations

- Electrical Precautions
- Fire/Explosion Precautions
- Summary

Module 3 – Jump Starting Vehicles

- Initial Precautions
- Starting Procedure
- Additional Precautions
- Removing the Cables
- Summary

Conclusion

- Certification Test Code
- Final Exam Prep