

# RESTRAINT SYSTEM OVERVIEW

NS045E01

**Course Format:** Online training with posttest

**I-CAR Credit Hours:** 1 hour

**Points:** 0.25

**This course helps satisfy ProLevel training requirements for the following roles:**



Estimator



Assessor



Non-Structural Technician

## Course Content

### Module 1

This module explains how the various types of restraint systems work together to protect the vehicle occupants. You will learn to identify the different types of restraint systems used to protect vehicle occupants, the characteristics of the seat belt system, seat belt pre tensioner operation, and the functionality and operation of the roll bars.

### Module 2

Upon completion of this module, you will be able to recall how the airbag system control modules and sensors work together to properly deploy the airbags. You will identify the operation of the airbag system, the impact and safing sensors, the restraints control module, the driver SRS and the passenger SRS.

### Module 3

The Restraint System Part Replacement Considerations module will enable you to identify the components of the SRS. You will also list the part replacement considerations for components of the supplemental restraint system.

## Learning Objectives

- Identify how the various types of restraints systems work together to protect the vehicle occupants
- Understand the characteristics of the seat belt system, pre-tensioner and operation of roll over bars
- Identify how the airbag system control modules work together to correctly deploy airbags
- Identify the operation of the airbag system, impact and safing sensors, restraints control module, and the driver and passenger SRS.
- Understand how to safely identify components of the SRS
- Identify the part replacement considerations for components of the SRS.

