

SAFETY SHIELD TECHNOLOGIES

NI001E01

Nissan's Safety Shield Technologies are a suite of advanced safety features that are designed to provide an extra set of eyes for the driver and help reduce response time in emergency situations. Safety Shield Technologies include systems such as Forward Emergency Braking, Predictive Forward Collision Warning, Backup Collision Intervention, and Intelligent Cruise Control.

This one-hour online course provides detailed explanations of how to identify if a vehicle is equipped with Safety Shield Technologies, how the systems function, and what parts are commonly associated with each of the systems. The course also identifies what can happen to these systems in a collision, what type of damage is typical, and lists the repair considerations. Additionally, it looks at system calibration and initialization procedures that may be required when certain parts are removed and/or replaced.

Nissan has issued several position statements that must be followed when performing collision repairs. These are designed to ensure Safety Shield Technologies operate as designed when the vehicle goes back out on the road. Throughout the course, each position statement is explained as it relates to repair of Safety Shield Technologies.

Course Content

Module 1 - Safety Shield Technologies Overview

This overview will cover advancements in safety technology, explain Safety Shield Technologies and monitoring and protection. Repair considerations include collision repairs and Safety Shield Technologies, the importance of following position statements and Nissan/INFINITI service information.

Module 2 - Collision Prevention Systems

A number of systems dedicated to collision prevention will be discussed including Intelligent Cruise Control, Predictive Forward Collision Warning, Lane Departure Warning, Blind Spot Warning, Around View Monitor and Forward Emergency Braking. This module includes information on how to identify the vehicles that each system has, discuss the parts that make up each system, and describe the operation of each system. When applicable, the calibration and/or aiming of the systems are also covered.

Module 3 - Passenger Protection

This module covers restraint systems. It begins with an SRS overview that includes restraint system parts, and an airbag system parts position statement that includes salvage airbags. Then there is a section on SRS inspection and part replacement and common diagnostics. Finally, there is a section on additional restraint systems including OCS removal and installation considerations, pop-up roll bars, active head restraint, seat belt pre-tensioners, a Nissan position statement on seat belts and LATCH system.

Registration

To register for Safety Shield Technologies (NI001E01), visit the I-CAR website at www.I-CAR.com or contact I-CAR Customer Care at 800-422-7872.

Credit Hours: 1 Hour

Estimated Duration: 1 Hour

Format: Online training with posttest

Meets I-CAR ProLevel® or annual training requirements for the following roles:

-  ESTIMATOR
-  PRODUCTION MANAGEMENT
-  NON-STRUCTURAL TECHNICIAN
-  ELECTRICAL/MECHANICAL TECHNICIAN
-  AUTO PHYSICAL DAMAGE APPRAISER

After completing this course, you will be able to:

- Understand the elements that make up Safety Shield Technologies
- Understand the unique characteristics of the different collision prevention systems
- Develop a familiarity with the supplemental restraint systems including inspection and part replacement and additional restraint systems.



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