

# DAMAGE ANALYSIS OF ADVANCED AUTOMOTIVE SYSTEMS

DAM07

**Today's modern vehicles are fitted with automotive systems that offer driving aids that may help prevent some accident scenarios. As with all safety systems, proper analysing of the system to ensure they are functioning correctly after the repair. The challenge for today's collision repairers is to understand the complexities of advanced systems and be able to analyse them and perform a complete and safe repair.**

## Course Content

### Module 1—Stability Control and Automatic Braking Systems

This module provides an overview of the course objectives and identifies several types of advanced safety systems available on today's vehicles. Information is offered that describes electronic stability control systems, rollover protection, hill start assist as well as other safety systems

### Module 2—Driving Assist Safety Systems

The course continues with a look at systems such as blind spot detection, parking assist, cross-traffic alert and includes video demonstrations of these systems.

### Module 3—Vision Assist and Advanced Restraint Systems

In the third module of the course the student will learn about lighting systems designed to provide improved vision assistance, as well as advancements in passive restraint systems.

### Module 4—Convenience Systems

The course concludes with a look at systems such as passive keyless entry, push button start and other systems that are becoming popular as conveniences to the vehicle owner.

## Recommendations

This class covers a range of advanced safety systems being introduced on many of today's vehicles. It is recommended that students have an understanding of modern vehicle technologies. Other courses that may be helpful include:

- Vehicle Technology and Trends 2011 (NEW11)

## Registration

To register for Damage Analysis of Advanced Automotive Systems (DAM07) click [here](#) or visit [www.i-car.com.au](http://www.i-car.com.au)

## Course Highlights

Points: 1

Estimated Duration: 4 Hours

Format: Classroom & Virtual Classroom

Meets the I-CAR training requirements for the following roles:



ESTIMATOR



ASSESSOR

## After completing this course, you will be able to:

- Identify whether a vehicle is equipped with various advanced vehicle systems
- Understand how specific features are designed to operate and how they are integrated with other vehicle systems
- Determine if a system is operating properly during the damage analysis process

