

ADVANCED RESTRAINTS SYSTEMS

RES02

Restraint systems are now highly advanced and the correct analysis is important to ensure the correct repair and operation post repair. Occupant Classification Systems, Active Head Restraints and Energy Absorbing Seats along with additional SRS systems require the technician understands the different systems and how collision forces deploy them. The ability to analyse and to correctly disable and enable SRS systems is vital in completing a safe and complete repair

Course Content

Module 1—Front of Vehicle Passive Restraints

This module highlights front airbags, dual stage airbags, and Occupant Classification Systems (OCS). The student will be introduced to information paths related to vehicle passive restraints.

Module 2—Door and Seatback Inflatable Restraints

As the student moves through the course, they will explore the functions and considerations for seatback airbag replacements and locations. Electrical inspection and design considerations for seatback and door-mounted airbags are introduced as well.

Module 3—Roll-over Protection

As the course continues, the student is introduced to side curtain airbags and different types of roll bars. Students will examine repair considerations for different forms of roll-over protection.

Module 4—Other Restraint Systems

The course concludes with information on head restraints and energy absorbing seats. Additionally, considerations for pre-accident collision preparation are introduced.

Recommendations

This class covers damage analysis and collision repair issues common on many of today's vehicles. Other courses that may be helpful include:

- Restraints (RES01)
- Restraints Systems Damage Analysis (DAM11)

Registration

To register for Advanced Restraints Systems (RES02) click [here](#) or visit 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



NON-STRUCTURAL TECHNICIAN



ASSESSOR

After completing this course, you will be able to:

- Understand Occupant Classification Systems (OCS) and be able to describe replacement and calibration procedures.
- Describe functions of inflatable restraints and replacement considerations.
- Identify restraints and safety devices, including design and location.
- Explain repair considerations for roll-over protection systems.

