

SUSPENSION SYSTEMS

STE02

With tire wear directly tied to improperly aligned or damaged suspension systems, understanding today's suspensions is more important than ever for complete, quality repairs.

STE02 uses HD-quality videos and classroom discussions to equip repairers with the expertise on front and rear suspensions and ride dampeners to increase satisfaction and reduce comebacks.

Course Content

Module 1— Basic Front Suspension Designs

This module identifies several front suspension designs, including MacPherson Strut, SLA, Solid Axle, Double Wishbone, Multi-Link and Twin I-Beam. Specific parts of these designs, as well as inspection procedures and repair issues are covered in this module. Activities, HD-quality videos, and group evaluation of different damage situations will aid in learning.

Module 2— Rear Suspensions

The second module explains different types of rear suspensions and their uses, such as solid axles, trailing arm, rear SLA, and independent suspensions, with detailed imagery of each type.

Module 3—Ride Dampeners

The course concludes with the instructor guiding the class through information on shock absorbers and different types of springs, as well as inspection and replacement considerations.

Registration

To register for Suspension Systems (STE02) click [here](#) or visit www.i-car.com.au

Course Highlights

Points: 1

Estimated Duration: 4 Hours

Format: Classroom

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



ESTIMATOR



NON-STRUCTURAL TECHNICIAN



ASSESSOR



STRUCTURAL TECHNICIAN



ALUMINIUM TECHNICIAN



ELECTRICAL/ MECHANICAL TECHNICIAN

After completing this course, you will be able to:

- Identify and understand front suspension design
- Identify and understand rear suspension design
- Describe repair issues for front and rear suspensions
- Understand ride dampeners, their inspection procedure and replacement considerations

