

MEASURING

MEA01

Repairing modern vehicles that have been involved in collisions requires restoring the dimensions and the structure to ensure the safety elements built into the vehicle are retained. Without correct measurements it is extremely difficult for a collision repairer to determine the full extent of the damage to be repaired. Indirect damage can often occur well away from the direct impact zone and create problems in the repair process if this is not initially discovered. Returning the vehicle to its correct dimensions will help in providing a complete and safe repair.

Course Content

Module 1—Point-to-Point Measuring

This module begins by introducing the student to point-to-point measurements. It will also discuss symmetrical and asymmetrical measurements and methods for making point-to-point measurements and the tools most commonly used.

Module 2—Three-Dimensional Measuring

As the course continues, the student will learn about the three-section principle and three-dimensional measuring systems, as well as considerations around universal laser measuring and computerised measuring systems.

Module 3—Vehicle Dimension Data

In the third module of the course, the student will gain information on vehicle dimension data sources. The student will also learn about comparative measurements, repair tolerance and how to work with repair sheets.

Module 4—Types of Damage Conditions

The fourth module continues with a look at different damage conditions such as mash, sag, sway and how in many instances, there is a combination of different types of damage.

Module 5—Preparing to Measure a Vehicle

The course continues with information on identifying specific measuring points on the vehicle structure. Additionally, an explanation of how to measure for damage analysis to help develop a repair plan is given.

Module 6—Vehicle Measuring

The course concludes with a look at proper angles for measuring and working with measuring worksheets. Considerations around measuring based on vehicle damage are also introduced.

Recommendations

This course covers a range of information related to measuring for damage analysis. The student should have an understanding of impact forces and how they react during an accident. Recommended I-CAR training course that are helpful include:

- Fundamentals of Collision Repair (FCR01)

Registration

To register for Measuring (MEA01) 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:



STRUCTURAL TECHNICIAN



ALUMINIUM TECHNICIAN

After completing this course, you will be able to:

- Identify point-to-point measuring equipment and operation
- Understand three-dimensional measuring equipment
- Identify considerations around working with different types
- Analyse vehicle specific dimensions
- Know how to make accurate vehicle measurements

