

# DAMAGE ANALYSIS OF UNITISED STRUCTURES—REAR

EA010E01


**Course Format:** Online training with posttest

**I-CAR Credit Hours:** 1 hour

**Points:** 0.25

**This course helps satisfy ProLevel training requirements for the following roles:**

 Estimator

 Assessor

**Note:** If you have successfully completed DAM12, you will no be required to complete this course.

## Knowledge and Skill Area Definition

Estimator/ Assessor is able to identify parts of the unitised structure, identify damage based on vehicle measurements, explain collision energy management principles, and list repair considerations for unitised structures.

## Knowledge Detail

- Identify the repair and replace considerations for unitised structure damage analysis.
- Explain repair and replace considerations for the rear bumpers, lighting, and pickup truck box assembly.
- Identify vehicle structures (unibody, space frame).
- Examine how collision forces are adsorbed by the unitised structure and how vehicle damage may occur away from the point of impact.
- Discuss the use of visual indicators, such as panel gaps, to identify damage.
- Explain point-to-point measuring techniques used during the damage analysis process.
- Discuss three-dimensional measuring principles to measure three dimensional planes.
- Identify when use of heat is allowed during repairs.
- Discuss partial and full part replacement options.