DAMAGE ANALYSIS OF ELECTRONIC BRAKE SYSTEMS

EA065E02

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

Summary:

The fundamental understanding needed to analyze damage of electronic brake systems includes recognising how anti-lock brake systems (ABS) operate and what and how to inspect to perform an accurate damage analysis. You will gain this understanding through an overview of ABS operation and parts and by studying types of common collision damage. You will learn how to use dashboard indicator lamps and ABS diagnostic data during an initial damage inspection and be instructed on types of common damage in a variety of parts from the ABS modulator valves and fluid pumps to speed sensors and tone rings to switches, relays and wires.

Knowledge Detail

- Understand the operation of the anti-lock braking system (ABS)
- Identify the different types, parts and categories of the ABS
- Understanding the function of the traction control system (TCS)
- Identify the parts that make up the TCS
- Understand the function of the stability control system (SCS)
- Identify the parts that make up the SCS
- Identify methods for inspecting an electronic braking system
- Identify electronic brake system part damage