

# CALIBRATION OF FRONT FACING CAMERAS AND FRONT RADARS

VT200E01

Though currently systems that require either a front facing camera or front millimeter wave radar are optional, with each model year features such as forward automatic braking are becoming standard equipment. This one-hour online course explains what is involved with calibrating these two electronic systems.

These systems are intricate and procedures for repairing them is complex. A simple pre- and post-scan is not enough to determine if the system is functioning properly. Front facing cameras and front radars need to be calibrated and aimed. Some systems require special tools and considerable shop space to calibrate. This course is part of our Vehicle and Technology Specific Training because each vehicle manufacturer has specific service information.

## Course Content

### Module 1 - Description and Identification

The course begins by explaining what systems use sensors, why calibration is important, and how to determine if a vehicle has any of these systems.

### Module 2 - Front Facing Camera Calibration

Module 2 gets more in depth and focuses specifically on calibration procedures for front facing cameras. Camera calibration procedures for FCA, Ford, General Motors, Honda/Acura, Kia, Toyota/Lexus, Mazda and others are included in this course. For each vehicle manufacturer covered, there are explanations of when calibration is required, the steps involved in calibration, and what special tools are required.

### Module 3 - Millimeter Wave Radar Calibration

The course concludes by focusing on millimeter wave radars. Radar calibration procedures for FCA, Ford, General Motors, Honda/Acura, Nissan and others are covered. For each vehicle manufacturer covered, there are explanations of when calibration is required, the steps involved in calibration, and what special tools are required.

## Registration

To register for Calibration of Front Facing Cameras and Front Radars (VT200E01), visit the I-CAR website at I-CAR.com or contact I-CAR Customer Care at 800-422-7827.

**Credit Hours:** 1 Hour

**Estimated Duration:** 1 Hour

**Format:** Online training with posttest

**Meets I-CAR ProLevel® or annual training requirements for the following roles:**

-  ESTIMATOR
-  STEEL STRUCTURAL TECHNICIAN
-  ALUMINUM STRUCTURAL TECHNICIAN
-  NON-STRUCTURAL TECHNICIAN
-  ELECTRICAL/MECHANICAL TECHNICIAN
-  AUTO PHYSICAL DAMAGE APPRAISER
-  PRODUCTION MANAGEMENT

**After completing this course, you will be able to:**

- Know how to identify if a vehicle is equipped with a front facing camera or front millimeter wave radar unit
- Identify what special tools are required for calibration
- Explain what is involved in the calibration procedures for these cameras and radars for Fiat Chrysler Automobiles, Ford Motor Company, General Motors, Honda/Acura, Toyota/Lexus, Hyundai, Kia, Volvo, and others



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