



# PAINTERS SUPPLY & EQUIPMENT CO.



## **FOR06 FORD F-150 STRUCTURAL REPAIR TRAINING COURSE**

**INSTRUCTOR: MARK BONO**



**FRIDAY - APRIL 24, 2020**

**8:00 AM - 2:00 PM**

***PAINTERS SUPPLY & EQUIPMENT  
LEARNING CENTER***

**25195 BREST RD.  
TAYLOR MI 48180**

**REGISTRATION DEADLINE: APRIL 23, 2020**

This course is an annual Training option for the following roles:

**ESTIMATOR**

**PRODUCTION MANAGEMENT**

**STEEL STRUCTURAL TECHNICIAN**

**ALUMINUM STRUCTURAL TECHNICIAN**

**NON-STRUCTURAL TECHNICIAN**

**ELECTRICAL/MECHANICAL TECHNICIANS**

**REFINISH TECHNICIAN**

**AUTO PHYSICAL DAMAGE APPRAISER**

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

- Understand what Ford is doing to meet CAFÉ standards
- Understand safe practices when working with aluminum
- Identify the Ford heating limits for straightening
- Understand Ford's position on repairing cracks in aluminum parts and in the frame assembly
- Determine the approved adhesive Ford requires on the 2015 F-150
- Describe what types of rivets are approved for use on Ford vehicles
- Describe why aluminum flanges may be different than what is used on steel
- Understand what is different about welding on aluminum than steel
- Understand what steel strengths are used in the F-150 frame and what frame repairs are supported by Ford.
- Explain vehicle-specific repairs, such as: what can be done to the magnesium radiator core support; how close to a hinge or striker a cut line can be for repairs; and repairing the extruded rocker panel

### **Course Content**

#### **Module 1—Introduction to Ford**

The course opens with a historical overview of the evolution of the F-150, leading up to the 2015 model. This module also details what Ford is doing to achieve CAFÉ standards, how to access 2015 F-150 online service information, and understanding the vehicle certification label.

#### **Module 2—Aluminum**

The second module provides students with an overview of aluminum and its application on the 2015 F-150. Considerations concerning stampings, extrusions, castings, galvanic corrosion and damage analysis will be discussed. Ford recommendations on working with aluminum are discussed.

#### **Module 3—Aluminum Joining Methods**

The third module in the course provides in-depth information on clinches, fasteners, rivets, aluminum flanges, and aluminum welding as they relate to the 2015 F-150.

#### **Module 4—Body Design and Construction**

Students then learn details about the exterior body, cab repair options, box assembly, and key information such as proper electrode wires for welding repairs.

#### **Module 5—Frame Repairs**

Key information such as proper electrode wires for welding repairs, control arm bracket options, and front/rear extension replacements is detailed through instructor lecture and discussion.

**GO TO I-CAR WEBSITE TO REGISTER**

**[www.i-car.com](http://www.i-car.com)**

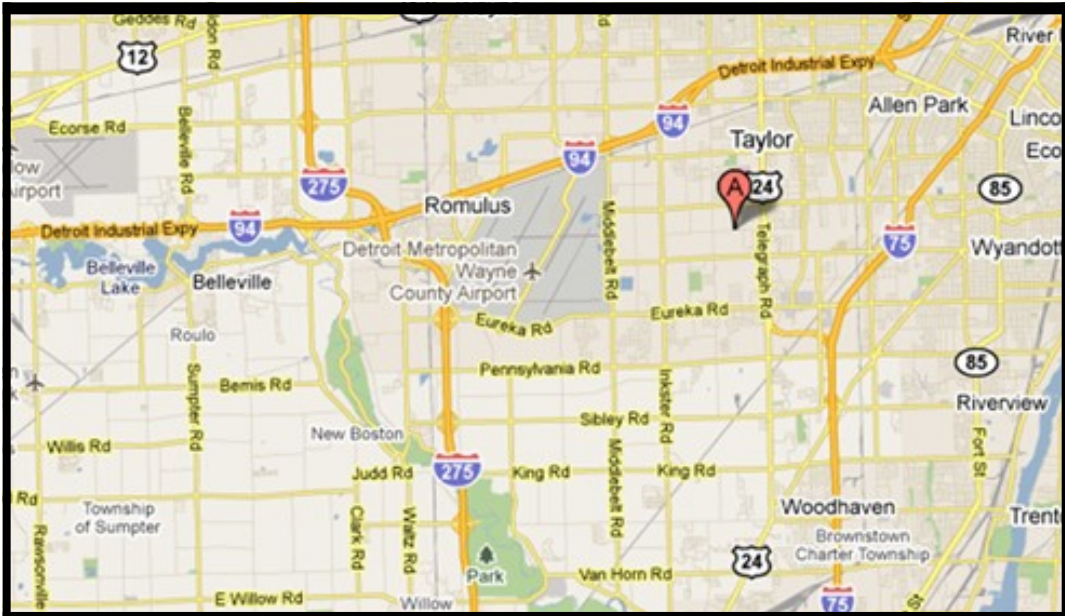
Directions to:

**PAINTERS SUPPLY & EQUIPMENT CO.**

25195 Brest Road

Taylor, MI 48180

734/946-8119



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