

# Minimum Certification Requirements



## GENERAL BUSINESS REQUIREMENTS

- In business for a minimum of five years, or verifiable credit rating and service history
- Garagekeepers liability insurance with a minimum of \$1M policy limit
- General liability insurance
- Local, state and federal government regulatory requirements

## CUSTOMER HANDLING REQUIREMENTS

- Stated dress code for production and administrative personnel
- Alternative Transportation with policies explained
- Forecast date for completion of repairs
- Ongoing communication with customers regarding repair status
- Detailed explanation of work completed on vehicle
- Contact customers within five days of vehicle redelivery
- Customer Satisfaction Survey process

## FACILITY REQUIREMENTS

- Capacity to maintain 10-day key-to-key repair time
- Exterior of building is well-maintained
- Secure area for customer vehicles
- Professional outdoor signage with Company information
- Clearly designated parking
- Clean/neat customer reception with sufficient seating

- Customer-only, well-maintained restrooms
- Wi-Fi® in customer reception area

## WORKSHOP REQUIREMENTS

- Separate bay for estimates and final inspections with a two-post vehicle lift that can raise 7,000 lbs. minimum
- Defined workshop bays
- Workspace lighting at a minimum of 750 lux
- Paint mixing room conforms to local, state and National requirements
- One downdraft or crossflow paint booth capable of low-bake/force-dry operations
- Paint booth daylight-corrected lamps with a lux of 1,000 or greater
- Ability to refinish high-roof vans, or sublet; door/entrance height of at least 10 ft. and inner ceiling height of at least 12 ft.
- Paint thickness gauge(s) capable of ferrous, non-ferrous and plastic substrates
- Workshop cleaned regularly and written process in place to monitor cleaning activity
- Collision Center check sheet to identify vehicle damage, mileage, etc.
- Portable equipment is stored in a secure area in workshop
- Safety Data Sheets (SDS)
- Access to OE repair procedures with printing capabilities
- Defined and documented vehicle repair process

## WARRANTY OF REPAIR

- Limited lifetime warranty for the repaired area of customer vehicles

## DATA SHARING AND INFORMATION TECHNOLOGY

- Ability to provide requested Ford and Lincoln vehicle estimate data explained in the FCCN Operating Standards
- Company-specific website

## ESTIMATING SYSTEM AND EQUIPMENT SPECIFICATIONS

- Approved estimating system (CCC, Mitchell, Audatex)
- Diagnostic scan tool or sublet
- Parts orders through the authorized Ford dealership via OEC CollisionLink or OPSTRAX
- Approved OE paint systems (PPG, Axalta, BASF, AkzoNobel, Sherwin-Williams or Valspar)
- Frame rack/bench system with anchoring and tooling, minimum 7,000 lbs. lift capacity
- Electronic 3D measuring system with printout, or dedicated fixture bench with documentation
- Equipment maintenance cycle

## STEEL/FERROUS MATERIAL TECHNICAL REPAIR CAPABILITY

- 220-volt, three-phase inverter-type (or functionally equivalent hybrid) squeeze-type resistance spot welder (STRSW) capable of producing a minimum of 600 lbs (267 daN) of clamping force and 10,000 amps of current at the electrodes
- 180-amp, 220-volt MIG/MAG welder for steel fusion
- Dent removal/pulling system for steel panels that contains a stud welder, stud pins, and washers and pulling attachments

## ALUMINUM REPAIR REQUIREMENTS/NON-FERROUS

- Work separation system that isolates aluminum vehicles from vehicles undergoing steel repairs – separation can be separate room or curtain system, minimum of 450 sq. ft.
- Immersion-type wet mix dust extraction system, or pneumatic (air-operated) vacuum system dedicated to aluminum dust removal; the system can be portable or centrally installed

- Approved SPR riveting system
  - Car-O-Liner PNP90 (6-ton)
  - Car-O-Liner PNP90 XT2 (10-ton)
  - Cebora CMO SPR Gun
  - Henrob Self-Pierce Riveting Removal and Insertion Repair Kit
  - Chief PNP90
  - Chief PNP90 UN 2.0
  - ProSpot PR-5
  - Spanesi SPR Gun
  - TKR Group PNP90 UN 2.0 (6-ton)
  - TKR Group PNP90 SNW XT (10-ton)
  - TKR Group VAS 6790 (6-ton)
  - Wielander and Schill XPress 800
- Blind/structural rivet tool SPR attachment, or stand-alone blind/structural rivet tool with 14.2 KN/3,192 lbs. pull force
- Designated set of aluminum hand/special tools specifically for aluminum vehicles to prevent cross contamination with steel body vehicles
- Dent extraction system specifically designed for aluminum that contains an aluminum stud welder, heat gun, non-contact digital thermometer
- 220-volt MIG pulse welder specifically for aluminum
- 5554 alloy welding wire, 1.2mm/.047 inches diameter
- Rivet nut thread setter kit

## GLASS INSTALLATION REQUIREMENTS

To meet Ford Glass Installation certification requirements, choose one of the options below:

- Option One – In-House
  - Complete the Ford Glass installation requirements with a dedicated, glass installation Technician
- Option Two – Sublet
  - Work with a Ford Certified Glass Network third-party provider who has completed the Ford Glass Installation Requirements

## ADVANCED DRIVER ASSISTANCE SYSTEMS REQUIREMENTS

To meet Advanced Driver Assistance Systems (ADAS) Calibration certification requirements, choose one of the options below:

- Option One: In-house ADAS calibration using a dedicated, certified ADAS Calibration Technician
- Option Two: Work with an FCCN-certified third-party provider who has completed the Ford ADAS requirements

## BATTERY ELECTRIC VEHICLE (BEV) PERSONAL PROTECTIVE EQUIPMENT REQUIREMENTS

- Personal Protective Equipment Recommendations
  - High-Voltage Gloves
  - On-Vehicle Signage
  - Electrical Safety Rescue Hook

## BATTERY ELECTRIC VEHICLE (BEV) TOOLS/ EQUIPMENT RECOMMENDATIONS

- HVB Lift Table
  - Minimum 60" x 30" table surface
  - 3,000-lb. lift capacity
  - 9" ground clearance
- Engine Crane
  - 1-ton minimum capability
  - Leg height cannot exceed 9"
- High-Voltage Battery Lifting
  - Used with engine crane
- EV Vehicle Lifting – Vehicle Lift
  - 7,000 lb. – 12,000 lb.
  - Two-post
  - Above-ground or in-ground
- EV Vehicle Lifting – Hoist Adapter Pads

## TRAINING

- Collision Center requirement: I-CAR® Gold Class® or VeriFacts Verified Quality (VQ) recognized
- Additional Ford requirements via I-CAR.com (click [myI-CAR®](#) login)
  - Aluminum GMA (MIG) Welding Certification\*

- Ford Aluminum Body Structural Repair\*
- Ford Ranger Overview and Repair Considerations\*
- Hybrid Vehicle Identification and Damage Analysis†
- Hybrid, Electric and Alternative Fuel Vehicle Service†
- Ford Service Information Navigation for Collision Repair†
- Ford Battery Electric Vehicle (BEV) Components and Operation†
- Understanding High-Voltage Safety†
- Ford 2021 Mach-E and New Model Training Overview†
- Ford High Voltage Systems Safety†
- Ford Intro to HV Battery Service for Collision Repair†
- Ford Certified ADAS requirements via I-CAR.com (click [myI-CAR®](#) Login)
  - Introduction to Diagnostics and Scan Tools\*\*†
  - ADAS and Convenience Systems Overview and Service\*\*†
  - Understanding OEM Procedures and How to Locate Them\*\*†
  - Damage Analysis of Driving Assist Systems and Part Replacement\*\*†
  - Requirements and Considerations for Achieving an Accurate ADAS Calibration\*\*†
  - Understanding Vehicle Communication Networks\*\*†
  - Damage Discovery for ADAS Sensor Mounting Locations\*\*†
  - Calibration Requirements for Blind Spot and Parking Assist Systems\*\*†
  - Camera Calibration, Inspection and Initialization Requirements\*\*†
  - Post Repair Advanced Driver Assistance Systems Requirements\*\*†
  - ADAS Diagnostics – When the Calibration Fails\*\*†
  - Ford IDS for Collision Repair\*\*†
  - Ford Diagnosis and Repair System (FDRS) for Collision Repair\*\*†
  - Ford ADAS Repair Calibration\*\*†
  - Ford Advanced Driver Assistance Systems\*\*†
  - Ford Diagnosing ADAS-Related Concerns\*\*†
  - Workshop: Ford Two-Day Hands-On ADAS Service and Diagnosis\*\*†

\* Must be completed by a minimum of one Technician.

† Must be completed by the same Technician.