COLLISION REPAIR & REFINISH TRAINING
TOYOTA LEXUS

www.crrtraining.com

Course of Study

= E-Learning
= Instructor-Led

PAINT / REFINISHING

PB101
Paint Finish Repair
PRE-WORK

PB200
Color Matching for Painters
PRE-WORK

T200
Color Matching for Painters
2 DAY

PB250/PLB250
Advanced Painting Techniques
PRE-WORK

T250
Advanced Painting Techniques
2 DAY

MEC002
Using TIS for Collision Repair
PRE-WORK

MIC001
Toyota & Lexus Safety Sense
2 DAY

SC19A
Toyota Recall & Service Campaign Essentials
PRE-WORK

B903/B902
Unusual Interior Noise Concerns
PRE-WORK

BODY REPAIR

PB300/PLB300
Welding Techniques for Collision Repair
PRE-WORK

T300
Welding Techniques for Collision Repair
1 DAY

BEC020
Non-Structural Body Repair
PRE-WORK

PB301A
Aluminum Body Repair Techniques
PRE-WORK

MEC222
EPV Service for Collision
PRE-WORK

BIC020
Non-Structural Body Repair
2 DAY

MEC223
Electrical Fundamentals
PRE-WORK

PB602
EPV Systems for Collision Repair Technicians
PRE-WORK

T602
EPV Systems for Collision Repair Technicians
1 DAY

PB503
Steering & Suspension Analysis & Repair
PRE-WORK

B503
Steering & Suspension Analysis & Repair
1 DAY

B903
Unusual Interior Noise Concerns
PRE-WORK

MEC002
Using TIS for Collision Repair
PRE-WORK

MIC001
Toyota & Lexus Safety Sense
2 DAY

PB460/PLB460
Structural Body Repair Techniques
PRE-WORK

T460
Structural Body Repair Techniques
2 DAY

T200– COLOR MATCHING FOR PAINTERS

Course Description: This is a hands on, instructor-led training which provides a knowledge base for color matching and allows ample time for students to practice in a hands-on environment. It provides refinish technicians with the principles of color judgment needed to accurately assess color and enhance matching skills.

Required Pre-Requisite: PB200 - Color Matching for Painters

Learning Objectives: Provide a solid foundation for color matching that will provide a systematic approach with repeatable results. Upon successful completion, attendees will be able to:

- Identify paint types (single-stage, two-stage and multi-stage)
- Identify painter-controlled variables that affect color matching
- Apply color principles to the evaluation and tinting process
- Identify adjustments necessary to match flop for metallic colors
- Successfully produce a bendable color match
- Prepare a let-down comparison panel for color matching three-stage paints

BACK

T250– ADVANCED PAINTING TECHNIQUES

Course Description: This is hands on, instructor-led training that reviews Toyota paint processes and demonstrates how to duplicate them during the refinish process. Topics include: urethane paint systems, low VOC and waterborne materials, transfer efficiency, blending techniques, preparation and painting of plastic bumper covers and restoring chip-resistant coatings.

Required Pre-Requisite: PB250/PLB250 - Advanced Painting Techniques

Learning Objectives: Provide information on factory coatings and advanced refinish Technologies to enhance the student's ability to perform high-quality repairs.

Upon successful completion, attendees will be able to:

- Explain the factory paint coating and application processes
- Identify refinish materials necessary for restoring factory like appearance and durability
- Determine materials necessary to replicate factory chip resistant coatings
- Demonstrate proficiency of Toyota-approved paint blending processes
- Prepare and paint Toyota plastic bumper covers per recommended procedures
- Recognize factors that affect HVLP transfer efficiency
- Differentiate the advantages of ultra-violet and infrared materials

BACK

T300– WELDING TECHNIQUES FOR COLLISION REPAIR

Course Description: This instructor-led training course provides information and hands-on practice to ensure the student can properly perform repairs requiring welding on Toyota, Lexus and Scion vehicles.

Required Pre-Requisite: PB300 - Welding Techniques for Collision Repair

Learning Objectives: Strong reliable welds are paramount to vehicle safety after a repair. This welding course will take students through proper welder set-up, familiarize them with types of welds, tuning a welder and testing weld strength. Upon successful completion, attendees will be able to:

- Use TIS to locate weld location and types on Toyota vehicles
- Perform proper set-up and maintenance of welding equipment
- Identify methods for preparing and welding Toyota vehicles
- Perform MIG plug and butt welds of reliable quality
- Test weld strength on both MIG plug and butt type welds and squeeze-type resistance spot welds

BACK

BIC020 – NON-STRUCTURAL BODY REPAIR

Course Description: This Instructor-Led training is a mix of classroom and lab exercises that introduce and reinforce proper planning and completion of non-structural body repairs. Topics include but are not limited to: Safety for both personnel and vehicles, Using TIS (Toyota's Technical Information System) for repair planning, proper precautions, procedures and specifications for non-structural body panel repair and replacement, and corrosion prevention to support the longevity of body panel repair and replacement.

Required Pre-Requisites:

- MEC151 Hybrid General Service for Collision
- BEC020 Non-Structural Body Repair
- PB301A Aluminum Body Repair Techniques

Learning Objectives: Non-Structural Body Repair Techniques provides the gateway to information and resources necessary to plan and perform proper non-structural body repairs and component replacement. Upon successful completion attendees should be able to:

- Adhere to personal safety guidelines for non-structural body repairs including the use of applicable PPE
- Identify precautions to be observed for safeguarding vehicle SRS and electrical components during repair and welding operations
- Use TIS to locate: non-structural component replacement precautions and specifications, CRIBs and position statements, non-reusable components, dimension and panel fit specifications, dimensions for BSM/RCTA patch/bracket placement, and corrosion prevention measures
- Identify metal substrates and strength ratings and, differentiate handling precautions and procedures for aluminum and steel panels
- Identify and interpret weld symbols for applicable component replacement welding operations
- Recognize sources of information for proper bonded glass installation
- Validate appropriate corrosion prevention procedures and specifications for non-structural body panel repair and replacement

BACK

T460– STRUCTURAL BODY REPAIR TECHNIQUES

Course Description: This course addresses topics that are essential to correctly performing structural body and frame repair from the start. Topics include, collision force analysis and vehicle design, structural damage classification, dimensioning and damage diagnosis, structural repair welding structural sectioning and frame repair.

Required Pre-Requisite: PB460/PLB460 - Structural Body Repair

Learning Objectives: To provide the collision repair professional with an advanced understanding of structural body repair tools, equipment and repair techniques. Attendees will be able to:

- Identify and explain crash energy absorbing body and frame features and perform a systematic structural damage diagnosis
- Classify structural damage and predict misalignment to determine corrective measures
- Interpret body and frame dimension specifications and demonstrate competence with a tape measure and tram gauges
- Explain structural repair precautions, recognize repair vs. replace criteria and recognize approved repair procedures
- Interpret specified structural unibody sectioning procedures
- Explain approved frame repair and component replacement procedures
- Measure and section a side-member using electronic measuring equipment, related tools and welding equipment

BACK

T602– EPV SYSTEMS FOR COLLISION

Course Description: This is a hands on, instructor-led training to guide collision technicians when working with high-voltage (HV) systems. Topics include: safety procedures, hybrid component location and operation, disabling the HV system, using a DVOM, TIS and Techstream during a hybrid system repair.

Required Pre-Requisite: PB602 - EPV Systems for Collision Repair Technicians

Learning Objectives: Provide information and reference material necessary to safely perform collision repairs to Toyota and Lexus Electric Powered Vehicles (EPVs). Upon successful completion, attendees will be able to:

- Analyze and list common high-voltage components typically found in Electric Power Vehicles (EPVs).
- Identify the various types of high-voltage (HV) repairs in EPVs and comprehend the reasons for conducting these repairs at a collision center.
- Show the skill to measure zero volts in a hybrid high-voltage system, ensuring safety during collision repairs.
- Evaluate safety guidelines from Toyota and Lexus for EPV repairs, ensuring a secure work environment.

BACK

B503 – STEERING SUSPENSION ANALYSIS & REPAIR

Course Description: Steering Suspension Analysis and Repair is an instructor-led course that covers the diagnosis and repair of steering and suspension related components. This course includes classroom instruction and lab activities.

Required Pre-Requisite: PB503 - Steering & Suspension Analysis Repair

Learning Objectives: After attending this class you will be able to:

- Comprehend wheel alignment report
- Demonstrate inspection techniques for analyzing suspension damage and misalignment
- Demonstrate inspection techniques for analyzing steering damage and misalignment
- Perform required procedures linked to repairs

BACK

MIC001– TOYOTA & LEXUS SAFETY SENSE

Course Description: Equip Toyota Collision Center Managers, Estimators and Technicians with the ability use TIS and Tech Stream to complete and document repairs and calibrations made to Toyota and Lexus vehicles.

Required Pre-Requisite: MEC002- Using TIS for Collision Repair

Learning Objectives: Use TIS and Techstream to perform Initializations, Calibrations and Operational Checks of the systems related to TSS/LSS.

- Navigate the New Car Features (NCF) tab in TIS to locate and determine intended use and functionality of model specific systems.
- Navigate the Repair Manual (RM) tab in TIS to locate the procedures for performing Initializations, Calibrations and Operational Checks.
- Use Tech Stream to perform "Pre-and Post-Repair Health Checks" to confirm and document repair needs and completion.
- Use Repair Manual procedures to complete Initializations, Calibrations and Operation Checks of system components related to TSS/LSS.

BACK