

## Automotive Refinishing Technology

### I. Prepare a panel surface for a basecoat blend in relationship to the tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE test)

Tasks Instructions:

Each number to the right refers to a single student/candidate (1-10). Place a check (✓) in the respective column for the appropriate student/candidate number (1-10) if the skills listed below are observed as stated. Leave blank if not observed. Student/candidate will only get credit for the skills they have demonstrated.

	1	2	3	4	5	6	7	8	9	10
Soap and water wash the entire area of panel being repaired; use appropriate cleaner to remove contaminants										
Dry or wet sand areas to be refinished										
Featheredge damaged areas to be refinished										
Clean area to be refinished using a final cleaning solution										
Remove dust from the area to be refinished, including cracks or moldings of adjacent areas										
Remove, with a tack rag, any dust or lint particles from the area to be refinished										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (8)</b>										

### II. Prepare a panel surface for clearcoat application (full panel) in relationship to the tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE test)

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
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Mix primer, primer-surfacer or primer-sealer																				
Apply primer onto surface of repaired area																				
Check and adjust spray gun operation																				
Shake, stir, reduce, catalyze/activate and strain product																				
Apply finish using appropriate spray techniques for the finish being applied																				
Demonstrate gun arc and gun angle																				
Demonstrate gun distance and gun speed																				
Demonstrate spray pattern overlap																				
<i>Safety and infection control are adhered to during all aspects of this task.</i>																				
<i>The student completed task within the time limited.</i>																				
<b>Points earned</b>																				
<b>Total possible points (10)</b>																				

**XII. Perform proper block sanding techniques and final sand for basecoat application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)**

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Dry sand the area to which two-component finishing filler has been applied										
Dry or wet sand the area to which primer-surfacer has been applied										
Block the sand area to achieve levelness of repaired area										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (5)</b>										

**XIII. Locate and document vehicle manufacturers' paint code application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing**

**Technical Standards for Painting and Refinishing (B2 ASE Test)**

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Determine the type and color of paint already on the vehicle by manufacturer's vehicle information label										
Identify the code using paint manufacture manuals and/or computer to determine paint code location										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (4)</b>										

**XIV. Select the correct variant application if applicable in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)**

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Identify variant swatches/chips										
Match variant to vehicle using color corrected lighting										
Identify variant that will produce the best possible blend										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (5)</b>										

**XV. Appropriate masking techniques for refinishing fender and blending into adjacent panel (front door) application in relationship to tasks in the National Automotive Technicians Education Foundation (NATEF) Collision Repair and Refinishing Technical Standards for Painting and Refinishing (B2 ASE Test)**



Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Mask and protect adjacent panels that will not be refinished										
Mask door jambs and other aperture panels										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (4)</b>										

**XVI. Identify parts replacement**

Tasks Instructions:

	1	2	3	4	5	6	7	8	9	10
Locate and select vehicle to be estimated in the provided collision estimating guide										
Locate and list the correct part prices and replacement labor times and refinish labor times for the pre-determined parts being replaced										
Estimate labor adjustments for vehicle options when appropriate										
Recognize and apply body labor overlap and refinish labor overlap where appropriate										
Consider and apply "included" and "not included" operations where appropriate										
Consider and apply labor footnotes (# signs) when necessary										
<i>Safety and infection control are adhered to during all aspects of this task.</i>										
<i>The student completed task within the time limited.</i>										
<b>Points earned</b>										
<b>Total possible points (8)</b>										

**XVII. Prepare calculations**

