

MODULE MEC2200: REFINISHING 1**Level:** Intermediate**Theme:** Suspension and Structural Systems**Prerequisite:** MEC2190 Surface Preparation 2**Module Description:** Students demonstrate metal surface refinishing procedures.**Module Parameters:** Access to spray equipment and related resources.**Supporting Module:** MEC2190 Surface Preparation 2**Curriculum and Assessment Standards**

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> • demonstrate safe practices and follow all warnings identified by product manufacturers, Workplace Hazardous Materials Information System (WHMIS), and Occupational Health and Safety • identify and describe refinishing products and equipment 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> • observed performance related to: <ul style="list-style-type: none"> – health hazards involved in refinishing – warnings as outlined in WHMIS bulletins – following proper personal and shop safety routines. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Refinishing 1, Part 1, MEC2200–1</i></p> <p><i>Standard</i> <i>Performance rating of 2 on each criteria</i></p> <ul style="list-style-type: none"> • presentation of a report identifying and describing: <ul style="list-style-type: none"> – paint spray systems (two) – paint spray techniques – problems created by improper techniques and equipment. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Refinishing 1, Part 2, MEC2200–1</i></p> <p><i>Standard</i> <i>Performance rating of 2 on each criteria</i></p>	<p>15</p> <p>30</p>

MODULE MEC2200: REFINISHING 1 (continued)

Module Learner Expectations	Assessment Criteria and Conditions	Suggested Emphasis
<p><i>The student will:</i></p> <ul style="list-style-type: none"> demonstrate proper refinishing application demonstrate basic competencies. 	<p><i>Assessment of student achievement should be based on:</i></p> <ul style="list-style-type: none"> observed performance related to: <ul style="list-style-type: none"> proper use of paint products (paint reducer/hardener) following demonstrated spray techniques following proper spray procedures proper care of spray equipment. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Refinishing 1, Part 3, MEC2200-1</i></p> <p><i>Standard</i> <i>Performance rating of 2 on each criteria</i></p> <ul style="list-style-type: none"> observations of individual effort and interpersonal exploration during the learning process. <p><i>Assessment Tool</i> <i>Basic Competencies Reference Guide and any assessment tools noted above</i></p>	<p>55</p> <p>Integrated throughout</p>

Concept	Specific Learner Expectations	Notes
Health/Safety Hazards	<p><i>The student should:</i></p> <ul style="list-style-type: none"> demonstrate knowledge of health hazards and environmental impacts of products used demonstrate use of personal protective equipment as recommended by manufacturer. 	<p>WHMIS; product information. MSDS Sheets available.</p> <p>Respirators; glove, coveralls.</p>
Identify/Analyze	<ul style="list-style-type: none"> identify types of top coats, solvents and additives identify and select colour and type of paint on a given vehicle demonstrate knowledge of proper procedure in paint preparation. inspect pre-paint project and determine deficiencies identify basic spray gun types show how to troubleshoot spray gun 	<p>Mixing measurements; additive, solvents; agitation.</p> <p>Masking, surface preparation to acceptable standards.</p> <p>Suction feed; gravity feed; pressure pot and HVLP paint guns.</p>

MODULE MEC2200: REFINISHING 1 (continued)

Concept	Specific Learner Expectations	Notes
Identify/Analyze (continued)	<p><i>The student should:</i></p> <ul style="list-style-type: none"> • demonstrate knowledge of refinishing equipment accessories • demonstrate knowledge of proper top coat application techniques • show how to troubleshoot basic application problems. 	<p>Size and type of air lines; air cleaning and control devices.</p> <p>Dry spray; runs, etc.</p>
Investigate/Repair	<ul style="list-style-type: none"> • prepare booth for spraying • prepare and apply top coat • demonstrate knowledge of and perform cleaning of spray guns • perform final detailing: <ul style="list-style-type: none"> – removal of masking tape – check and correct surface defects – final cleaning and inspection. 	<p>Cleanliness; anti-static systems.</p> <p>Polishing if required.</p>
Careers	<ul style="list-style-type: none"> • identify further education, work conditions and opportunities. 	