

MODULE MEC2170: METAL REPAIR & FINISHING**Level:** Intermediate**Theme:** Suspension and Structural Systems**Prerequisite:** MEC1170 Metal Forming & Finishing**Module Description:** Students analyze and repair metal damage.**Module Parameters:** Access to gas metal arc welding (GMAW) and oxyacetylene welding (OAW) welders, basic body hand/power tools and related resources.**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 work practices when metal forming and finishing metal damage • identify different damage conditions and repair procedures for metal damage 	<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"> – following shop procedures – selecting and using metal working, welding and hydraulic equipment. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Metal Repair & Finishing, Part 1, MEC2170-1</i></p> <p><i>Standard</i> <i>Performance rating of 2 on each criteria</i></p> <ul style="list-style-type: none"> • use of appropriate resources to produce a report describing: <ul style="list-style-type: none"> – direct damage – indirect damage – repair procedures. <p><i>Assessment Tool</i> <i>Task Assessment Checklist: Metal Repair & Finishing, Part 2, MEC2170-1</i></p> <p><i>Standard</i> <i>Performance rating of 2 on each criteria</i></p>	<p>10</p> <p>25</p>

MODULE MEC2170: METAL REPAIR & FINISHING (continued)

Concept	Specific Learner Expectations	Notes
Inspect/Repair	<p><i>The student should:</i></p> <ul style="list-style-type: none">• demonstrate how to:<ul style="list-style-type: none">– perform metal straightening– perform metal replacement work– repair damaged aluminum panel– repair a panel using body solder– complete a large rust out repair	<p>May only be possible to do a partial panel. Link module to a CTR project to complete a more extensive panel repair.</p>
Careers	<ul style="list-style-type: none">• identify further education, working conditions and career opportunities.	