



Australian Government

MSTFR2005 Sew or patch by machine

Release: 1

MSTFR2005 Sew or patch by machine

Modification History

Release 1. Supersedes and is equivalent to LMTFR2005A Sew or patch by machine

Application

This unit of competency covers the skills and knowledge required to machine sew leather or other materials associated with the repair of footwear or other items.

This unit of competency applies to sewing or patching pieces of leather and other material. It covers the use of a basic sewing machine using straight stitching.

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures under direct supervision.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Footwear repair

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

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| 2 | Prepare to sew or patch by machine | <div>2.1 Inspect shoes or item, identify repair requirements and advise customer on costs prior to commencing repair</div> <div>2.2 Prepare and review job sheet to ensure all requirements are included</div> <div>2.3 Determine appropriate method of repair and select, check and prepare appropriate tools and materials</div> <div>2.4 Apply workplace procedures</div> |
| 3 | Prepare work pieces and machine | <div>3.1 Skive pieces for patching to ensure finished edges are smooth and flush, as required</div> <div>3.2 Solution pieces in place prior to stitching and finishing</div> <div>3.3 Set up and adjust machines in accordance with manufacturer instructions, workplace requirements and specifications for the work</div> <div>3.4 Test machine for correct operations, monitor machine performance and take appropriate action to rectify faults, as required</div> |
| 4 | Perform machine sewing and finish work | <div>4.1 Position and machine pieces accurately to achieve required specifications and quality, including seam or hole line up and overstitching, as required</div> <div>4.2 Tap down stitches, and trim and burnish threads, as required</div> <div>4.3 Check quality of final product meets requirements</div> <div>4.4 Stain, clean, polish and finish off shoes or item to match original colour as close as possible</div> <div>4.5 Package, label and store repaired shoes or items and maintain records</div> |

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- housekeeping
- tasks related to environmental protection, waste disposal, pollution control and recycling
- WHS practices

Australian Standards include:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Set up machine includes the following:

- cleaning and checking to meet quality operations
- selecting threads to match original threads and meet specifications
- selecting needle to ensure correct type and size
- setting and testing stitch length against required specifications
- setting tension according to specifications
- adjusting machine foot height to suit thickness and nature of material being repaired

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTR2005A Sew or patch by machine

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTFR2005 Sew or patch by machine

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices
- applying relevant standards
- inspecting shoes, identifying repair materials and advising customer on costs prior to commencing shoe repair
- determining appropriate method of repair and selecting, checking and preparing appropriate tools and materials
- skiving pieces for patching to ensure finished edges are smooth and flush, and solutioning pieces in place prior to stitching and finishing
- setting up, adjusting and operating machines in accordance with manufacturers' instructions, workplace requirements and specifications for the work
- positioning and machining pieces accurately, including seam or hole line up and overstitching as required
- tapping down stitches, and trimming and burnishing threads, as required
- staining, cleaning, polishing and finishing off shoes or items to match original colour as close as possible
- repairing at least three (3) varieties of shoes or items to meet quality and enterprise standards
- identifying faults and taking appropriate action
- packaging, labelling and storing repaired shoes and maintaining records.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- machines requiring the positioning, feeding, and handling of work pieces
- operating procedures of a basic sewing machine
- characteristics of typical leathers, fabrics, threads, and other materials used
- quality standards and handling procedures
- work health and safety (WHS) and environmental aspects of relevant repair and assembly processes

- general industry housekeeping policies and procedures
- quality practices
- workplace procedures
- practices for recording and reporting.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in sewing or patching by machine, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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