




<p>Unit Standard 2851 V5</p> <p>Service lockstitch sewing machines</p> <p>Level 3, 6 Credits, Entry: Open</p>	<p>Trainee:</p> <p>_____</p> <p>Assessor:</p> <p>_____</p>
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Unit Requirements	<p>To be credited with this unit standard you must be able to;</p> <ul style="list-style-type: none"> ➤ outline the methods of operation and practical application; ➤ service the main stitch forming components; ➤ carry out service procedures; ➤ diagnose and rectify faults; ➤ and compare the technical specifications of lockstitch sewing machines.
Special note:	<p>This unit standard is for those following a career in sewing machine engineering. Practical skills may be demonstrated on either a single or multi needle chainstitch sewing</p> <p>Range: machines – single and twin needle lockstitch, high speed and standard lockstitch; walking foot</p> <p> materials – three or more of the following: woven, knitted, leather, PVC, thick, thin.</p> <p>Performance of the elements must conform to the Health and Safety in Employment Act 1992.</p> <p><i>Workplace procedures</i> refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.</p>
Notes to Trainee	<p>This assessment document is not a training programme. The training programme for the skills and knowledge required for this unit will be provided by your employer as part of your on-job training, or by programs from training providers. This document is a guide for you, your trainer, and your assessor for the assessment once you have learned and practised the skills involved.</p> <p>The time you will need to spend on training and practice to reach the standard which demonstrates that you are competent in this area will of course depend on other tasks that you may also have which are not part of this unit standard.</p> <div style="display: flex; align-items: center; margin-top: 10px;">  <div style="display: flex; justify-content: space-between; width: 100%;"> (Trainee can answer verbally or in writing.) (Trainee to write or assessor to record) </div> </div>

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Assessment	<p>Assessment for many of the tasks will be to workroom standards and workplace procedures. You will need to discuss what these standards are with your trainer and/or assessor during your training period so that you are aware of what is required. Where these standards and work instructions are written down, you should collect copies so that you have something to refer to. Your assessor will also refer to these when you are being assessed.</p> <p>In some cases for workplace skills, your Assessor may use someone with specialised knowledge of the process or machine to confirm your skills. This person is called a Verifier.</p> <p>Some assessments require evidence that you demonstrate competence on an ongoing basis. Your assessor may also use a Verifier to confirm that this is the case.</p> <p>You do not need to be assessed for all of the Unit Standard at one time. Assessment can take place as you develop the knowledge and skills. Your assessor will keep a record of progress, and once you have been assessed as competent for all the tasks, you will have completed this unit standard.</p> <p>If any parts of the standard are not met, further evidence of your competence in that task/s will be sought. This is indicated on the Assessment Evidence Guide by the abbreviation FER (Further Evidence Required).</p>
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Assessor must discuss with Trainee prior to assessment

Before the assessment	<p>Assessment of skills for this unit standard require that you demonstrate competence with a range of fabrics. These are specified in the Special Notes. You should discuss what the fabrics are with your Trainer and Assessor.</p> <p>If there are any parts of the assessment that you are not clear about, you must ask the assessor before you start the Assessment. You need to agree to the amount and type of evidence to be collected.</p> <p>You must tell the assessor if you have any special needs e.g. hearing or seeing difficulties before doing the assessment tasks. The assessor/verifier will take these special needs into consideration during the assessment.</p>
During the Assessment	<p>The assessment process will consist of questions to assess your knowledge, and observation of you carrying out specific tasks. You would normally answer questions verbally and your assessor will note answers. In some cases you may be able to demonstrate knowledge as a written project. In this case simple diagrams could be used. You should discuss the best way with your assessor.</p> <p>The workplace is often a noisy environment. Your assessor will try and find a quiet place to ask questions so that you are able answer easily. However, in some cases you may feel better able to answer questions at a machine or worksite. You should discuss this with your assessor before the assessment.</p>
After the Assessment	<p>The assessor will tell you if you are 'competent' or 'not yet competent'. Not yet competent means that you have not done the tasks, or part of the tasks to the standard that is needed, and you will have to give the assessor more information. If you need to give the assessor more information then you will be clearly told of what it is that you need to do.</p> <p>You have a right to appeal your assessor's decision if you are not happy with the assessor's decision. Your assessor will explain the appeal process.</p> <p>At the end of the assessment you will be asked to sign the assessment to show that you were happy with how the assessment went. Do not sign this section if you do not agree that the assessment was fair.</p> <p>You and your assessor must each sign and keep a copy of the Candidate Check List and the Assessment Record. These are at the back of this Assessment Document.</p> <p>Results of the assessment will be kept by your assessor, passed to your Employer, and sent to the Apparel and Textile ITO who will register competency on the New Zealand Qualifications Framework</p>
Special Needs Identified (enter any special needs here)	
	<p>Assessment Process above has been discussed and Trainee understands the process.</p> <p>Trainee _____ (sign)</p> <p>Assessor _____ (sign)</p>

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Element 1. Outline the methods of operation and practical application of lockstitch sewing machines**p c 1.1 Machines are selected for given applications**

Application	Machine correctly selected	Competent(C) Further Evidence Required (FER) & Sign/Date
superimposed		
bound		
flat		
lapped seam		

p c 1.2 Flatbed, drop, and walking foot lockstitch machines are described in terms of function and operation

Machine	Function Described	Operation Described	C /FER & Sign/Date
flat bed			
drop			
walking foot			

Assessor Notes:**Competence has been assessed on the range of machines and materials:**

machines – single and twin needle lockstitch, high speed and standard lockstitch, walking foot


materials – three or more of the following: woven, knitted, leather, PVC, thick, thin

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Element 2. Service the main stitch forming components of lockstitch sewing machines**Note to Trainee and Assessor:**

Some of your performance will be assessed against Manufacturer's Specifications. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if Specifications are not available.


		Observed 	C /FER & Sign/Date
p c 2.1	Mechanisms for controlling and handling the thread during stitch formation are serviced to the manufacturer's specifications		
p c 2.2	Machines are set up and adjusted to sew a range of materials		

Assessor Notes:**Competence has been assessed on the range of machines and materials:**

machines – single and twin needle lockstitch, high speed and standard lockstitch, walking foot
materials – three or more of the following: woven, knitted, leather, PVC, thick, thin

Element 3. Carry out service procedures on lockstitch sewing machines**Note to Trainee and Assessor:**

Some of your performance will be assessed Manufacturer's Specifications. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Specifications are not available.

		Observed 	C /FER & Sign/Date
p c 3.1	Lubrication system is serviced to manufacturer's specifications		
	bearings		
	gearing systems		
	filter removal and replacement		
	pump removal and replacement		
p c 3.2	Lubricants used are to manufacturer's recommendations		
	type		
	grade		
	quantity		
p c 3.3	Service procedures are carried out according to manufacturer's recommendations and in accordance with workplace procedures		
p c 3.4	Gauges and tools are used according to manufacturer's specifications		


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Element 4. Diagnose and rectify faults in lockstitch sewing machines

Note to Trainee and Assessor:

Some of your performance will be assessed Manufacturer's Specifications and Product Specifications. You should be clear what these are and have, or have ready access to copies. You should ask your Trainer or Assessor if these Specifications are not available.

		Observed 	C /FER & Sign/Date
p c 4.1	Tension faults are diagnosed and corrected to meet product specifications		
p c 4.2	Timing faults are diagnosed and the machine retimed to manufacturer's specifications		
p c 4.3	Timing is adjusted for different materials		

Assessor Notes:

Competence has been assessed on the range of machines and materials:

machines – single and twin needle lockstitch, high speed and standard lockstitch, walking foot


Element 5. Compare the technical specifications of lockstitch sewing machines

p c 5.1 Machines are compared for suitability with company product specifications

Compare	Comparisons are valid	C /FER & Sign/Date
machine design		
needle bar motions		
internal motion drive systems		
stitch forming mechanisms		
thread handling controls		

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Element 5.1		Machines are compared for suitability with company product specifications (cont.)	
Compare	Comparisons are valid		C /FER & Sign/Date
feeding mechanisms and stitch length regulation			
lubrication and bearing systems			
motors			
operation costs			
maintainability			
		Observed 	C /FER & Sign/Date
p c 5.2	Results of evaluation are documented are in accordance with workplace procedures		

Assessor Notes:

Competence has been assessed on the range of machines and materials:

machines – single and twin needle lockstitch, high speed and standard lockstitch, walking foot

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Assessment Decisions: Competent / Not Competent (circle one)

Assessor : _____ **Date:** _____

Action Plan for Further Evidence (if required)

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CANDIDATE'S CHECKLIST (candidate to retain).

PRE-ASSESSMENT. (When I meet the assessor:)

		Tick
1	I agree to the unit standards/elements to be used for the assessment.	
2	The purpose and process of the assessment is explained to me.	
3	I agree to the amount and type of evidence to be collected.	
4	I agree to the date, time and location for the assessment.	
5	What happens to the assessment result and the appeals system is explained to me	
6	The assessor agrees to keep my Supervisor/Line Manager informed.	
7	The following resources will be available for the assessment::	

Candidate Signature: _____

Assessor Signature: _____

AFTER ASSESSMENT

1	The assessment was carried out as programmed above.	
2	I was informed of the assessment result.	
3	I was given sufficient feedback after the assessment.	
4	I signed the assessment record.	
5	If assessed competent the assessor signed the assessment record for forwarding to the ITO with my fee/s.	
*	If assessed not yet competent the elements to be reassessed were recorded in the Assessor's Register.	

Candidate Signature: _____

Assessor Signature: _____

Assessor to fill in details below when candidates is assessed competent:

Candidate's name:

Competent in unit standard number: 2851 V5

Assessors signature : _____ Date: _____

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ASSESSMENT RECORD SHEET

Trainee Details (Trainee to complete)

Name _____ Date of birth: _____

Home address: _____

Employer: _____

Signed: _____ Date: _____

Assessor Details (Assessor to fill out)

As an ATITO workplace assessor I verify that I have assessed the person above as competent in the unit standard(s) listed below.

Signed: _____ Date: ____/____/____

WA Number: _____

Full Name: _____

It is recommended that Workplace Assessors contact the ATITO before embarking on assessment to ensure that they have the latest information.

Unit Id	Unit Standard Title	Level	Credit	Signed (Assessor)
2851 V5	Service lockstitch sewing machines	3	6	

TOTAL CREDITS

Payment for credit fees enclosed (\$1.55 per credit):

YES NO – ATITO will invoice employer - please attach company order number if necessary.

Assessor: Ensure this form is completed in full. Make 2 extra copies. Give one to the trainee, keep one for your files, and send the original to: **Apparel & Textile ITO, PO Box 13-210, Christchurch**