Title	**Assemble components within a manufacturing environment**		
Level	**2**	**Credits**	**5**

Purpose	People credited with this unit standard are able to: prepare for assembly; assemble components; and complete job requirements and documentation.

Classification	Manufacturing Skills > Manufacturing Processes

Available grade	Achieved

Guidance Information

1 Legislation relevant to this unit standard includes but is not limited to the:
Health and Safety at Work Act 2015.
Resource Management Act 1991 and subsequent amendments.
Hazardous Substances and New Organisms Act 1996 and subsequent amendments.

2 Definitions
Accepted industry practice refers to the approved codes of practice and standardised procedures accepted by the wider manufacturing industry as examples of best practice.
Assembly refers to the use of jigs, fixtures, hand tools and/or power tools to assemble components specified in job sheets.
Job requirements refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.
Workplace procedures refer to procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.

3 Assessment information
- a All activities and evidence must be in accordance with workplace procedures, and job requirements.
- b This unit standard will be assessed on the basis of evidence of demonstrated and repeatable performance in the workplace.

4 Range
Components may include but are not limited to – wiring, plastic parts, metal parts, rubber parts, nuts, bolts, screws, rivets, adhesives, clips, panels, hinges, fans, motors, taps, ducting, drive components.

5 Recommended skills and knowledge:
Unit 2395, *Demonstrate and apply knowledge of the selection, use, and care of engineering hand tools*;
Unit 2396, *Demonstrate and apply knowledge of the selection, use, and care of portable hand held engineering power tools;* or demonstrate equivalent knowledge and skills.

Outcomes and performance criteria

Outcome 1

Prepare for assembly of components within a manufacturing environment.

Performance criteria

1.1 Process method and quality requirements are verified.

1.2 Materials required are verified.

1.3 Assembly equipment is selected.

Outcome 2

Assemble components within a manufacturing environment.

Performance criteria

2.1 Assembly is performed.

2.2 Assembly is checked.

Outcome 3

Complete job requirements and documentation.

Performance criteria

3.1 Handling or storage, and if required, packaging, is carried out in a manner that does not cause damage or subsequent deterioration to components in accordance with accepted industry practice.

3.2 Recording or reporting is carried out, and production terminology is used in accordance with accepted industry practice.

Range may include but is not limited to – hard copy, electronic, verbal.

Planned review date	31 December 2025

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 June 1995	31 December 2012
Revision	2	14 April 1997	31 December 2012
Revision	3	5 January 1999	31 December 2012
Review	4	26 July 2005	31 December 2014
Review	5	18 March 2011	31 December 2023
Review	6	26 August 2021	N/A

Consent and Moderation Requirements (CMR) reference	0013

This CMR can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.