

1. Module details**Module name****Basic Installation of Domestic Clothes Washers, Dishwashers and Clothes Dryers****Module duration**

It is expected that students with the appropriate entry knowledge and skills will successfully complete this module in 36 - 40 hours.

Module code

NUE018

Discipline code

0789110 Maintenance of Plant and Equipment.

2. Module purpose

To provide learners with the knowledge and skills of basic operation, installation, safety, operational checks control adjustment and simple repairs and parts replacement for domestic clothes washers, dishwashers and clothes dryers on initial installation.

3. Prerequisites

NUE016 Domestic Appliance Principles.

4. Relationship to competency standards

This module provides part of the underpinning knowledge and skills in the 'Evidence Guide' of specific units of competency in the National Electrotechnology Training Package and provides similar support, where mapped, to equivalent units in the National Metals and Engineering Competency Standards. For details refer to the module to unit maps, available from NUEITAB.

5. Content**Codes and regulations**

Electrical – insulation, earthing

Plumbing – water supply, drainage, back siphoning

OH&S

Types, construction

Washing machines

Clothes dryers

Dishwashers

Installation and adjustments

Manufactures instructions and data

Instruments and tools

Customer advice

Levelling

Safety and pre-start checks

Operational checks

Adjustments

	<p>Repairs and parts replacement Cleaning of cabinets and components remove and replace various items, filters, hoses, dispensers, lint screens Remove and replace various mechanical items, filters, hoses, shelves and plastic ware</p>
<p>6. Assessment strategy</p>	
<p>Assessment methods</p>	<p>Assessment should be progressive reflecting a holistic approach to ensure the module purpose is met. To assist in ensuring validity, reliability and fairness assessment instruments should include practical exercises, assignments and written tests consisting of a number of item types, such as multiple choice, short answer and problem solving.</p>
<p>Conditions of assessment</p>	<p>Learning and assessment will take place in an environment that is conducive to a learner’s development.</p>
<p>7. Learning outcome details</p>	
<p>Learning outcome 1</p>	<p>Familiarise the relevant codes and regulations applicable to the domestic appliance area.</p>
<p>Assessment criteria</p>	<p>1.1 List and familiarise OH&S requirements in relation to the domestic appliance area.</p> <p>1.2 Explain the reason for safe lifting and manual handling.</p> <p>1.3 Explain the electrical requirements, adequate power supply etc, referring to the Australian Standards for domestic appliances.</p> <p>1.4 Explain the ventilation requirements required for domestic appliances.</p> <p>1.5 List and explain the plumbing requirements in relation to: - water supply - drainage - suds save.</p>

Learning outcome 2

Describe the types, construction and basic operation of domestic washers, clothes dryers and dishwashers.

Assessment criteria

- 2.1 Describe and list the types, construction and operation of domestic clothes washers.
- 2.2 Describe and list the types, construction and operation of clothes dryers.
- 2.3 Describe and list the types, construction and operation of domestic dishwashers.

Learning outcome 3

Describe and explain the installation requirements and make necessary adjustments as required to the domestic clothes washer, clothes dryer and dishwasher.

Assessment criteria

- 3.1 Describe the manufacturers' instructions relating to the installation and adjustment of a domestic clothes washer.
- 3.2 Describe the manufacturers' instructions relating to the installation and adjustment of a domestic clothes dryer.
- 3.3 Describe the manufacturers' instructions relating to the installation and adjustment of a domestic dishwasher.

Learning outcome 4

Describe and explain basic repairs and part replacement required for domestic clothes dryers, clothes washers and dishwashers.

Assessment criteria

- 4.1 Describe the cleaning of cabinets and components.
- 4.2 Describe the removal and replacement of various mechanical items. eg. filters, hoses, etc.

8. Delivery of the module

Delivery strategy

Delivery strategies must be suitable for learning both theoretical and practical aspects described in the module purpose. It is considered that the most effective method to achieve this is by integration of theory and practice where students learn by experimentation, research and reports. It is recommended that learning and assessment be facilitated in a holistic manner that may require learning outcome sequence other than that indicated in the module.

Resource requirements

Variety of styles and models of clothes dryers, clothes washers and dishwashers.

Occupational health and safety requirements

A safe and healthy environment will be provided for students and teachers as well as the particular safety procedures followed as part of the learning / teaching activity and content.