

NATIONAL METAL AND ENGINEERING CURRICULUM

MODULE: SMALL KITCHEN APPLIANCES (NR027)

PURPOSE: This module aims to provide the student with the knowledge and skills to service and fault find small kitchen appliances.

NOMINAL DURATION: Half module

This module is designed on the assumption that most of the students will achieve the competencies specified in 35 to 40 hours.

The length of time taken to complete a module will vary depending on factors such as teaching method used, knowledge and skills at entry and individual students ability.

PREREQUISITES: Timers and Controllers (NR22)
Appliance Motors and Circuits (NR08)

LEARNING OUTCOMES: On completion of this module the student will be able to:

1. Describe the construction and operation of small kitchen appliances
2. Use appropriate resources to service and fault find small kitchen appliances

STUDENTS SHOULD BE MADE AWARE OF OCCUPATIONAL HEALTH AND SAFETY ISSUES IN ALL SITUATIONS AND BE EXPECTED TO DEMONSTRATE SAFE WORKING PRACTICES AT ALL TIMES.

OUTLINE OF CONTENT: This module contains:

1. Construction and operation
 - . garbage disposal units
 - . food mixer/processors
 - . small heating appliances
 - . small motor driven appliances
 - . range hoods
 - knowledge of types, purpose & function
 - interpretation of manufacturers' specifications
2. Service and fault finding
 - . garbage and disposal units
 - . food mixers/processors
 - . small heating appliances
 - . small motor driven appliances
 - . range hoods
 - fault diagnosis by test operation
 - fault identification by test equipment
 - dismantle, repair, reassemble & test
 - safety tests
 - respect for customers premises

ON THE JOB TRAINING:

For consolidation, the material in this module should be linked with and complemented by relevant on-job skill practice or other equivalent experience.

PERFORMANCE CRITERIA:

The criteria for each learning outcome should be:

Learning Outcome 1

Assessment:

**Short answer questions
Practical exercises**

Performance:

- a. **For each type of small kitchen appliance describe the construction and principle of operation**

Learning Outcome 2

Assessment:

**Short answer questions
Practical exercises**

Performance:

- a. **Use manufacturers' data and appropriate test equipment to service and fault find typical small kitchen appliances**
- b. **Carry out electrical safety checks**