

ASTPC211

Monitor and maintain electrical and plumbing services



Overview

This unit is about carrying out basic electrical and plumbing maintenance and is only appropriate for those who have successfully completed the appropriate training. The coverage of this unit does not extend to the maintenance of heat producing gas appliances and associated heating and hot water systems.

This unit covers basic electrical maintenance activities including changing fittings and components such as plugs and fuses, replacing starters, tubes and lamps.

Basic plumbing maintenance may involve activities such as unblocking sanitary appliances and gullies. Reinstating these areas will involve making sure that waste water is free flowing upon completion of repairs.

When carrying out these functions it is important to be alert to risks to the health and safety of yourself and others, for example concerning the possible presence of asbestos and other harmful substances.

ASTPC211

Monitor and maintain electrical and plumbing services

Performance criteria

- You must be able to:*
- P1 choose the hand tools and equipment that are most appropriate for the task
 - P2 make sure you wear the necessary personal protective equipment required by your work instructions
 - P3 before starting maintenance, isolate the equipment from the supply to prevent it being used
 - P4 warn others, as required, of the maintenance work being carried out
 - P5 use approved safe working practices throughout maintenance
 - P6 remove faulty components and dispose of them appropriately
 - P7 remove damaged parts and fit the right replacement parts or components correctly
 - P8 report to the relevant person any maintenance that you are not competent to deal with
 - P9 connect the appropriate fitting and components correctly, according to procedures and manufacturers' instructions
 - P10 make any necessary adjustments correctly
 - P11 reassemble the equipment correctly following maintenance
 - P12 reconnect the supply using appropriate procedures
 - P13 use approved methods to check that the equipment is working properly following maintenance
 - P14 return tools and equipment to the appropriate area in a condition ready for their next use

ASTPC211

Monitor and maintain electrical and plumbing services

Knowledge and understanding

You need to know and understand:

- K1 the regulations and approved codes of practice relevant to carrying out electrical and plumbing maintenance
- K2 the tools and equipment available for use and which are the most appropriate for the work
- K3 the required personal protective equipment (ppe) and why it is important to wear it
- K4 why it is important to use approved safe working practices throughout, what these practices are and the possible consequences of failing to use them
- K5 the action that must be taken to warn others of the maintenance work being undertaken
- K6 why it is important to prevent faulty equipment from being used
- K7 how to remove faulty components, where they should be disposed of and the possible consequences of failing to dispose of them correctly
- K8 where to turn off the supply and whether or not it is necessary to turn it off for the types of maintenance being carried out
- K9 how to isolate equipment from the supply and the reasons why this must be done before maintenance is started
- K10 what the appropriate replacement parts or components are for the maintenance you are doing, and why it is important that you use the appropriate part
- K11 the possible consequences of using incorrect parts or components
- K12 the correct method/s for removing damaged parts and fitting replacement components parts
- K13 what adjustments are necessary and how to make them
- K14 the procedures for reconnecting supply and the importance of following these
- K15 the correct way to check that equipment is working properly following maintenance and the importance of carrying out the check/s
- K16 why it is important to leave equipment clean and safe to use, how this should be achieved and the appropriate place for storage

ASTPC211

Monitor and maintain electrical and plumbing services

Developed by Asset Skills

Version number 1

Date approved June 2010

Indicative review date June 2012

Validity Current

Status Original

Originating organisation Asset Skills

Original URN PC211

Relevant occupations Service enterprises; General

Suite Property Caretaking Facilities Services

Key words monitor, maintain, electrical, plumbing, services, training