

Trade of Plumbing

Module 2: Domestic Hot and Cold Water Service

Unit 15: Maintenance

Phase 2

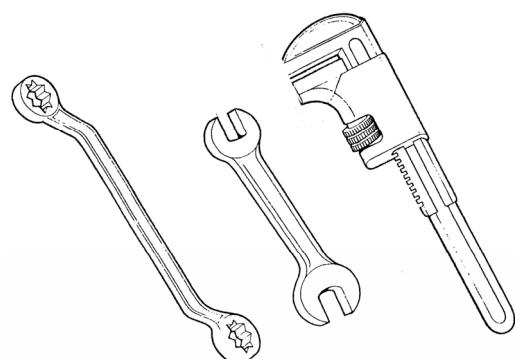


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Document Release History

Date	Version	Comments
June 2006	V.1.0	
26/02/14	2.0	SOLAS transfer

Module 2 – Domestic Hot and Cold Services

Unit 15 – Maintenance

Duration – 10 Hours

Learning Outcome:

By the end of this unit each apprentice will be able to:

- Carry out routine maintenance tasks on plumbing and central heating systems.

Key Learning Points:

- Sk** Draining hot and cold water system.
- P** Problem solving.
- P** Customer relations.
- Sk** Replacing isolating valves.
- Sk** Replacing siphon washer in WC.
- Sk** Replacing washer in Garston WC ball valve.
- Sk** Replacing flush pipe and back joint.
- Sk** Replacing bath taps.
- Sk** Replacing immersion heater.
- Sk H** Use of hand tools.
- Sk** Refilling system and checking for leaks.
- P** Working independently.
- Rk** Causes of insufficient water, poor water flow, air locks etc.
- Rk** Causes of burst pipes, freezing etc.
- Rk** Maintenance of storage cisterns – covers, insulation, stagnant water etc.
- Sk** Use of freezer units.
- Sk** Connections to lead pipework.
- Rk**
- Rk** Procedure for clearing blocked sanitary appliances, soil and waste pipes.

Training Resources:

- Classroom facilities and workshop facilities.
- Information sheets.
- Domestic hot and cold water system as per drawing no 2.2.15 in the curriculum document.

Exercise:

Apprentice to carry out the following maintenance procedures:

1. Drain hot and cold water system.
2. Replace isolating valve on cold feed pipe.
3. Replace siphon washer in WC cistern.
4. Replace flush pipe and back joint.
5. Disassemble garston ballvalve in WC cistern and replace diaphragm washer.
6. Replace bath taps.
7. Replace immersion heater in hot water storage cylinder.
8. Refill the system and check for leaks.

Key Learning Points Code:

M = Maths **D** = Drawing **RK** = Related Knowledge **Sc** = Science
P = Personal Skills **Sk** = Skill **H** = Hazards

About this Unit

This unit is primarily a skill based unit, please refer to your instructor.

Self Assessment

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