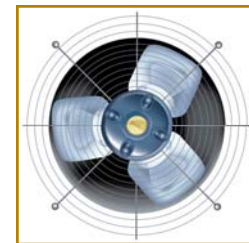




**BARBADOS
VOCATIONAL
TRAINING
BOARD**

**SKILLS TRAINING PROGRAMME
in**



**DOMESTIC AIR CONDITIONING
AND REFRIGERATION SYSTEM
INSTALLATION, SERVICING
AND REPAIRS**

BARBADOS VOCATIONAL TRAINING BOARD
"Lawrence Green House"
Culloden Road
St. Michael
436-7970

**Domestic Air Conditioning and Refrigeration System
Installation, Servicing and Repairs**

On completion of training, the trainee will be able to:

- Install and service domestic split and window unit air condition systems,
- Install and service domestic fridges, freezers and walk-in chillers refrigeration systems,
- Troubleshoot and repair split and window unit air conditioning systems and domestic fridges, freezers and walk-in chillers refrigeration systems.

The programme is of nine (9) months duration.

Persons admitted to the programme will receive practical skills training consisting of:

- Installing split and window air conditioning systems
- Installing domestic fridges, freezers and walk-in chillers refrigeration systems
- Servicing domestic fridges, freezers and walk-in chillers refrigeration systems
- Troubleshoot and repair domestic fridges, freezers and walk-in chillers refrigeration systems.

**OCCUPATIONAL/SKILLS PROFILE—DOMESTIC AIR
CONDITIONING AND REFRIGERATION**

DUTY 1	Install Domestic Refrigeration Systems
Tasks	1.1 Install domestic fridge
	1.2 Install no-frost fridge
	1.3 Install freezer

DUTY 2	Install Domestic Air Conditioning Systems
Tasks	2.1 Install window units
	2.2 Install air handler (evaporator)
	2.3 Install condenser
DUTY 3	Service and Repair Domestic Refrigeration Systems
Tasks	3.1 Clean condenser
	3.2 Clean drain hole
	3.3 Clean out evaporator
	3.4 Check heater wattage (no-frostfridge)
	3.5 Check fridge amperage
	3.6 Check defrost timer
	3.7 Check (run and start) capacitor
	3.8 Check tubing for wiring
	3.9 Check electrical wiring and connection
DUTY 4	Service and Repair Domestic Air Conditioning Systems
Tasks	4.1 Remove and replace window units
	4.2 Remove and replace condenser
	4.3 Clean condenser and evaporator (w/s)
	4.4 Clean and replace filler (w/s)
	4.5 De-moisturize electrical contact
	4.6 Test air conditioning units for voltage rating (3/3)
	4.7 Test air conditioning units for amperage rating (2/2)
	4.8 Pump down split units (s/s)
	4.9 Remove and replace evaporator (s/s)
	4.10 Disassemble and reassemble evaporator (air handle) (s/s)
	4.11 Inspect and replace pipe insulation
	4.12 Repair damage copper tubing
	4.13 Vacuum unit systems
	4.14 Replace/reassemble charge