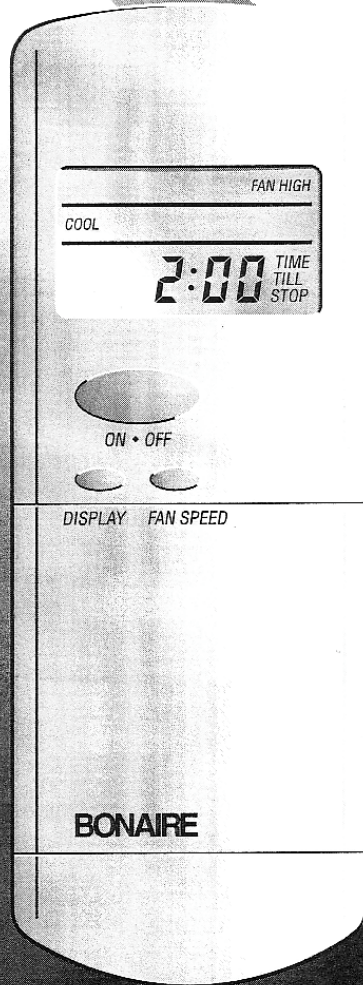


BONAIRE COOLING

TECHNOLOGY DESIGNED FOR COMFORT

Comfort Control

REMOTE CONTROL



OPERATION & MAINTENANCE INSTRUCTIONS

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CONGRATULATIONS ON YOUR CHOICE

We're delighted you've chosen a Bonaire Evaporative Air Conditioner to cool your home. It is an air conditioner we are very proud of. Designed and made in Australia by Southcorp Heating and Cooling an 100% Australian owned company, it embodies the latest advances in evaporative air conditioning technology in a stylish, compact cabinet.

Your air conditioner includes the world's first remote control allowing you to control your air conditioner without the need for special wiring. This allows you the flexibility to move the comfort controller from room to room to suit your needs.

If you have more than one Bonaire Designer Series air conditioner it is possible to operate all air conditioners from the one comfort controller.

COMFORT

Comfort is a combination of four major factors; air temperature, air quality and cleanliness, air speed and humidity. Evaporative air conditioning cools the air by a process of evaporation which is controlled by the humidity in the air, therefore your Bonaire will cool the air differently every day of the year. Your Bonaire uses only 100% fresh outside air which is filtered, and when cooling is also washed. You will immediately appreciate the benefit of this constant flow of fresh air - with or without cooling.

Your Bonaire installer will have placed the outlets in such a position that you will feel the air flow. These outlets are adjustable and you may wish to change or redirect the air to suit yourself. There may be a few days per year when the humidity is very high and the cooling effect of your Bonaire evaporative air conditioner is reduced, on these days experiment with the cooling, you may find it more comfortable to turn the cooling off and leave the fan running.

INFORMATION

The information contained in the following pages has been prepared to ensure you enjoy trouble free operation of your Bonaire Evaporative Air Conditioner.

BONAIRE OPTIONS

The following options are available for your Bonaire air conditioner:

- Louvre Panels: Coloured Louvre Panels in tones to match your roof and blend with the environment are available.
- Winter Covers: Bonaire Winter Covers are available to protect your unit and prevent draughts through the system during the Winter season. Coloured Winter Covers are available to match your choice of Louvre Panel.
- Dry Tank Option: The Bonaire dry tank option automatically drains the water from the tank in the air conditioner when the cooling is turned off, flushing any sediment and leaving the tank empty.
- For Bonaire air conditioner Options contact your local Authorised Bonaire Specialist Dealer for details.

KEY OPERATIONAL POINTS

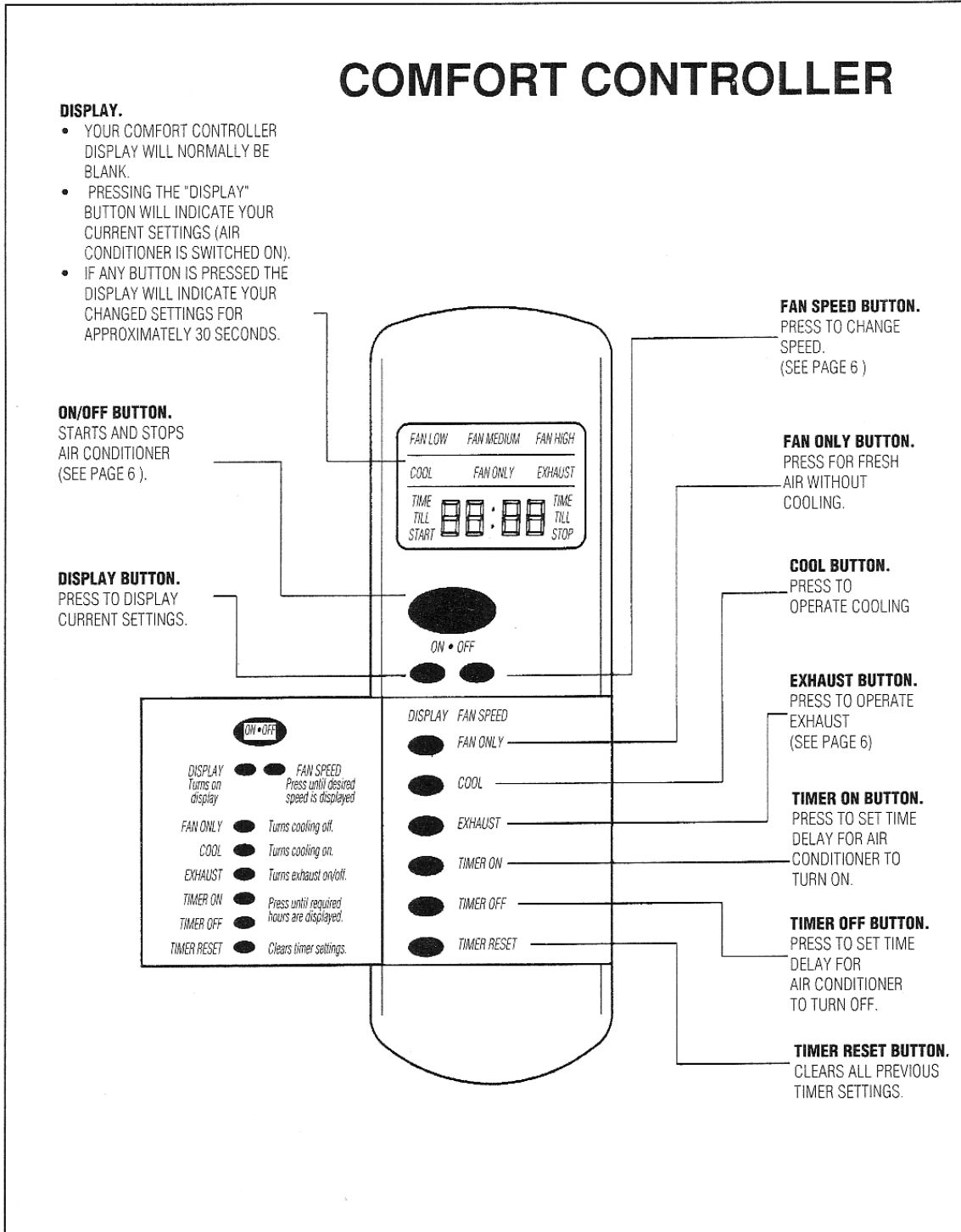
Normally during the first 10 days of operation resins are washed from new filter material. A slight odour may be present during this period. Performance of your Bonaire Air conditioner will improve during this process.


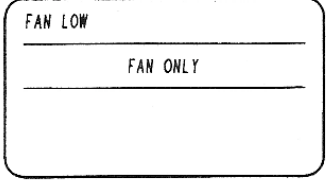

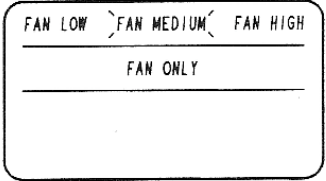

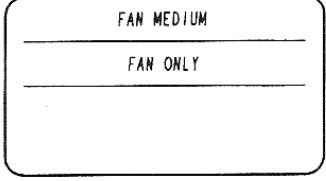

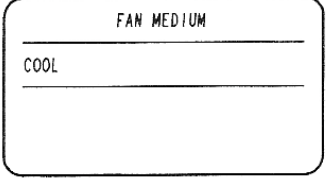

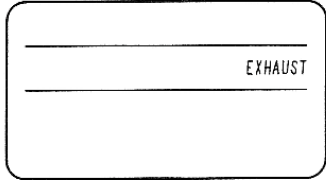

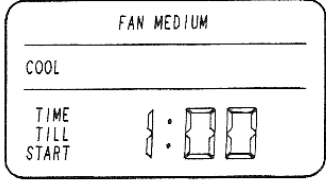
- 1. BUILDING VENTILATION:** Always ensure that adequate windows and doors are open (to allow hot stale air to be expelled from the building). See page (4).
- 2. TURNING THE UNIT ON:** Press the ON/OFF button. Your air conditioner will operate on your previous settings. If your previous setting was cooling there may be a three minute pre-cool delay.
- 3. VENTILATION:** Press the "FAN ONLY" button to introduce fresh filtered outside air.
- 4. COOLING:** Press the "COOL" button to switch on the cooling.
- 5. EXHAUST:** Press the "EXHAUST" button to remove hot stale or smoky air. To cancel exhaust press the "EXHAUST" button a second time.
- 6. TURNING THE UNIT OFF:** Press the "ON/OFF" button.
- 7. COMFORT CONTROLLER LOCATION:** Due to the construction of some buildings there may be some locations within the building where the comfort controller operation is not effective.


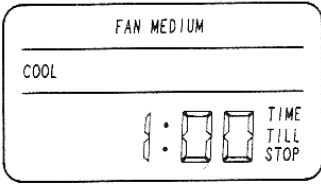

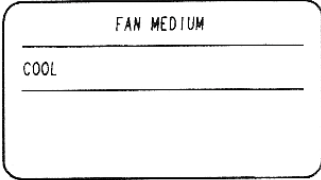
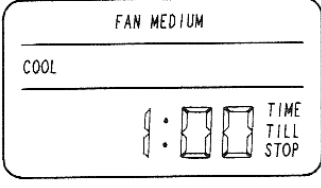
LOCATION OF CONTROLS

Access to your Controls

To access FAN ONLY, COOL, EXHAUST or the timer buttons the control door has to be opened. To open lift the right side of the door.



FUNCTION	BUTTON PRESSED	DISPLAY
<p>Turning the Unit ON Press the ON/OFF button, Your air conditioner will operate on your previous settings. If your previous setting was cooling there may be a three minute pre-cool delay.</p> <p>Turning the Unit OFF</p> <ul style="list-style-type: none"> Press the 'ON/OFF' button 	 ON • OFF	
<p>Changing the Fan Speed</p> <ul style="list-style-type: none"> To adjust the Fan speed press the 'FAN SPEED' button until your desired fan speed is shown in the display To cool the building quickly press the 'FAN SPEED' button until 'FAN HIGH' is indicated in the display 	 FAN SPEED	
<p>Fan Only Operation</p> <ul style="list-style-type: none"> To operate the air conditioner fan without cooling, press the 'FAN ONLY' button (refer page 4). When conditions produced inside the building are too cold the unit may operate best on FAN ONLY. Filtered fresh air is supplied to the building to give the desired comfort level. 	 FAN ONLY	
<p>Cooling: Press the 'COOL' button to switch on the cooling.</p>	 COOL	
<p>Exhaust Operation</p> <ul style="list-style-type: none"> To remove hot stale or smoky air from the building without cooling the air, press the 'EXHAUST' button Ensure winter covers are removed. To cancel EXHAUST press either the EXHAUST or FAN SPEED buttons. <p>NOTE: When changing to or from EXHAUST the fan may stop for approximately 20 seconds before restarting.</p>	 EXHAUST	
<p>Setting the Timer to Turn your air conditioner ON (where fitted) To set your air conditioner to turn on automatically:</p> <ol style="list-style-type: none"> Run your air conditioner on the setting you want the air conditioner to start on. Press the "TIMER ON" button. The words TIME TILL START and the numbers 1:00 (indicating one hour) will be displayed. To increase the length of time press the 'TIMER ON' button until the desired time interval is displayed (maximum of 12 hours). The air conditioner will turn off after a short delay. <p>NOTE: If you wish to clear your timer setting press the 'TIMER RESET' button.</p>	 TIMER ON	

FUNCTION	BUTTON PRESSED	DISPLAY
<p>Setting the Timer to turn your air conditioner OFF (where fitted) To set your air conditioner to turn off automatically: 1) Press the 'TIMER OFF' button. The words TIME TILL STOP and the numbers 1:00 (indicating one hour) will be displayed. 2) To increase the length of time press 'TIMER OFF' button again (up to 12 hours maximum). NOTE: If you wish to clear your timer setting press the 'TIMER RESET' button</p>	 TIMER OFF	
<p>Resetting the Timer (where fitted) If you wish to clear the timer settings press 'TIMER RESET' Timer events are also cleared by pressing the 'ON/OFF' button.</p>	 TIMER RESET	
<p>Setting the Timer to turn your air conditioner ON and then OFF To set your air conditioner to turn on and then turn off automatically: 1) Follow the above procedure "Setting the Timer to turn your air conditioner ON" 2) To now set the period that the air conditioner will run press the 'TIMER OFF' button The words TIME TILL STOP and the numbers 1:00 (indicating one hour) will be displayed. 3) To increase the length of time press the 'TIMER OFF' button again. Your air conditioner has now been set to automatically turn on and then off. In approximately 30 seconds the display will shut off.</p>		

Power Supply Interruption

- The unit will not operate if power supply is interrupted (due to supply failure). In such a case it is possible that the display will still indicate the air conditioner is operating.
- When power is restored the air conditioner will be in the OFF mode.
- To regain full control of your air conditioner press any button on the hand held Comfort Controller. Your air conditioner will commence operation on the settings indicated on the display

CONFIGURING YOUR COMFORT CONTROL

Neither the "display saving" or "cool start" features have to be configured before you operate your air conditioner. These features may never need to be altered if you are happy with the factory settings.

Display Saving

Your comfort controller is supplied with "display saving" disabled.

The "display saving" feature switches off the display 30 seconds after the last button is pressed, which ensures battery life is maximised.

When any button on the comfort control is pressed the display is activated for 30 seconds. Pressing the DISPLAY button will activate the display without changing any settings.

To enable the "display saving" feature:

- turn on the comfort control
- hold down the DISPLAY button for 10 seconds.
- the words DISP STOP will flash when you have enabled "display saving".

To disable the "display saving" feature:

- turn on the comfort controller.
- hold down the DISPLAY button for 10 seconds.
- the words DISP START will flash when you have disabled "display saving".

CONFIGURING YOUR COMFORT CONTROL (Cont.)

Cool Start

Your comfort controller is supplied with "cool start" disabled.

The "cool start" feature ensures the filter pads are wet prior to starting the fan. This means that after starting your air conditioner there may be a delay of up to 3 minutes before the fan starts. During a "cool start" cycle the selected fan speed and the word COOL will flash. If you have recently run your air conditioner on cooling or if you start your air conditioner on FAN ONLY there will not be a "cool start" cycle.

To enable the "cool start" feature:

- turn on the comfort control
- simultaneously hold down the COOL and EXHAUST buttons for 10 seconds.
- the words COOL START will flash when you have enabled "cool start".

To disable the "cool start" feature:

- turn on the comfort controller.
- simultaneously hold down the COOL and EXHAUST buttons for 10 seconds.
- the words COOL STOP will flash when you have disabled "COOL START".

MAINTAINING YOUR BONAIRE EVAPORATIVE AIR CONDITIONER

- Correct maintenance of your Bonaire Evaporative Air Conditioner is vital to the continued cooling efficiency and long life. It is also important in the control of sediment accumulation, and algae growth within the unit.
- Bonaire recommend two general services a year; Pre-Season, and Post Season. However in harsh conditions more frequent maintenance service may be required.

Pre-season Checklist

- For the pre-season service, points outlined in the maintenance list (pages 9-11) should be checked.
 1. Fan _____
 2. Motor and Bearings _____
 3. Water Level _____
 4. Water Distribution _____
 5. Bleed-off _____
 6. Filters _____
 7. Water Tank _____
 8. Electrical _____
 9. Batteries _____

Post Season checklist

- For the post season service the points outlined in the maintenance list should be checked
 1. Fan _____
 2. Motor and Bearings _____
 3. Water Level _____
 4. Water Distribution _____
 5. Bleed-off _____
 6. Filters _____
 7. Water Tank _____
 8. Electrical _____

- Upon completion of the Post Season service, fit your Bonaire Winter Covers (optional) to prevent draughts and loss of warm air through the system during the Winter season.

MAINTENANCE SERVICE

- Contact your local Authorised Bonaire Specialist Dealer, or ring Bonaire. (see page 15)

Dealer Stamp

MAINTENANCE LIST

NOTE:

Prior to commencing maintenance isolate the unit at the power source.

1. Fan:

Ensure that the Fan blade is free from obstruction and rotates; and is tight on the Fan shaft.

2. Motor and Bearings:

Ensure that the motor spins freely checking the bearings for noise.
If motor bearings are noisy contact your local authorised Bonaire Specialist for motor replacement.

NOTE: Motor bearings are sealed ball races and require no oil or grease.

MAINTENANCE LIST Cont.

3. Water level:

Ensure the Float valve is correctly adjusted so that the water level is 20-25mm from the top of the overflow standpipe.

- If the Float valve is leaking, check the seat of the valve for possible impediment.
- Should impediment be present depress the float thereby flushing the valve seat.
- Should further treatment be necessary the valve can be dismantled removing the split pin in the body and removing the plunger. There is a rubber seal on the front of the plunger which should be cleaned or replaced.

4. Water Distribution:

Ensure that all distributor trough slots, (top of the louvre panels) and the supply lines are clear. Also check that the pump filter is clean. It can be cleaned by lightly rubbing the outside of the filter.

5. Bleed-off:

Ensure that an adequate 'bleed-off' rate is maintained during the operating season. Refer to Installation Instructions supplied with the unit.

The bleed-off prevents the build up of dissolved solids and impurities within the unit. If a build up of impurities is noticed, then the rate of bleed-off should be increased.

6. Filters

Check the condition of the filters. Ensure that they are cleaned at regular intervals.

- Remove the complete Louvre panel assembly and hose down as a unit to wash away any build up of impurities - a screw driver is required to remove the Louvre panel.
- In dusty environments the filters may have to be cleaned frequently.
- Filters may need replacing frequently where conditions are harsh; (i.e. poor water quality or extremely dusty environments) - Contact your Bonaire Specialist for Genuine Bonaire Filters.

MAINTENANCE LIST Cont.

7. Water Tank:

It is important to ensure that the water tank is kept clean, free of sediment, or algae growth.

- It is recommended that the water tank be drained and cleaned post-season. In harsh conditions / poor water quality, more frequent draining may be necessary.
- To drain the tank 'turn off' the water to the unit at the isolating valve fitted by the installer adjacent to the unit.
- Remove the standpipe. The standpipe is a push-in fit to the bush, which has an "O" ring to stop leaking.
- Be careful when removing the standpipe, hold the bush while you rotate the standpipe then pull upwards.
- Clean the tank with a wet cloth and household disinfectant. Rinse tank with clean water.
- When replacing, place some vaseline on the "O" ring to enable easier entry of standpipe.
- In areas of extremely poor water quality, Bonaire recommends the fitting of a dump valve or dry tank option - Contact your Bonaire Specialist for details.

8. Electrical

The only maintenance that should be required on the electrical system is battery replacement in the comfort controller.

NOTE: If the electric motor cuts out frequently on overload, contact your local Bonaire Dealer.

- Electrical connections should only be handled by a certified electrician.

9. Cleaning of Comfort Controller:

Use only a soft cloth to clean your comfort controller. Do not use water or cleaning agents.