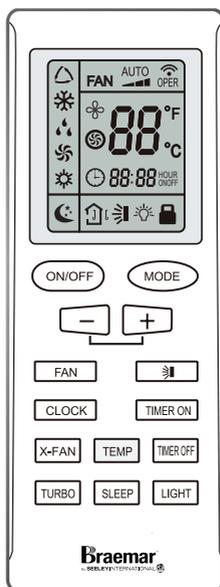


OWNER'S MANUAL

CASSETTE INVERTER



(English) (SBHVD1S SERIES)

IMPORTANT

As with any product that has moving parts or is subject to wear and tear, it is **VERY IMPORTANT** that you maintain your air conditioner and have it regularly serviced. Accordingly, it is a condition of warranty cover for your air conditioner that you comply with all of the maintenance and service requirements set out in this Manual. Compliance with these requirements will prolong the life of your air conditioner. Further, it is also a condition of warranty cover that the Maintenance Schedule in the Manual is filled out (by signing and dating it in the places indicated) when the item is completed. **ANY FAILURE TO CARRY OUT THE REQUIRED MAINTENANCE AND SERVICING, AND ANY FAILURE TO FILL OUT THE MAINTENANCE SCHEDULE, WILL VERY LIKELY VOID YOUR WARRANTY.**

(For complete warranty terms, refer to the separate Warranty Booklet sold with the product. Alternatively, visit www.seeleyinternational.com/warranty to download the terms.

Warranty terms are subject to property access and industry safety standards.)

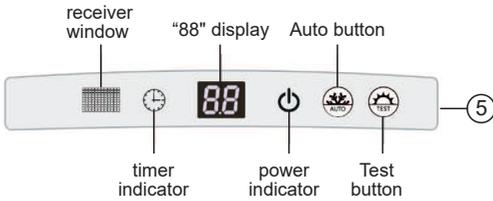
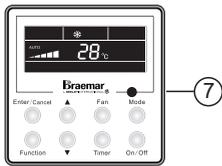
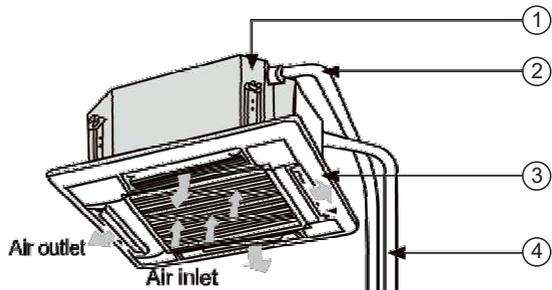
OUTDOOR MODELS	INDOOR MODEL	CAPACITY COOL / HEAT
SCHV07D1S	SBHV07D1S	7.2 kW / 8.2 kW
SCHV10D1S	SBHV10D1S	10.0 kW / 12.0 kW
SCHV12D1S	SBHV12D1S	11.5 kW / 13.8 kW
SCHV14D1S	SBHV14D1S	14.0 kW / 16.0 kW

CONTENTS

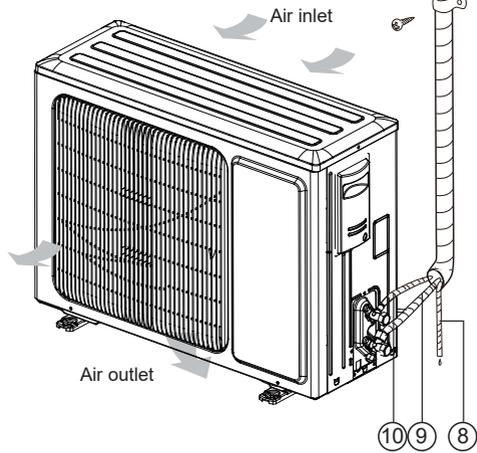
MAIN COMPONENTS.....	2
INTRODUCTION & SAFETY	3
OPERATION	
REMOTE CONTROLLER.....	4
CONTROLLER LAYOUT.....	5
ON/OFF	6
MODE	6
+ / - BUTTONS	6
FAN SPEED.....	6
SWING UP / DOWN	6
CLOCK	6-7
TIMER SETTINGS	7
TEMP	7
X-FAN	7
TURBO	8
LIGHT	8
SLEEP	8
LOCK FUNCTION	8
FAHRENHEIT / CENTIGRADE	8
ERROR DISPLAY.....	9-10
MAINTENANCE & SERVICE.....	11-12
MAINTENANCE SCHEDULE	13
OPERATION TIPS.....	14
TROUBLESHOOTING	15
WARRANTY & SERVICE.....	16

MAIN COMPONENTS

INDOOR UNIT



OUTDOOR UNIT



1. Drainage device
2. Condensate tube
3. Air vane
4. Connection pipe
5. Display panel
6. Remote control
7. Wired Controller (optional)
8. Condensate tube
9. Gas Pipe
10. Liquid Pipe

INTRODUCTION & SAFETY

Congratulations on purchasing a new Braemar Air Conditioner!

Please keep this Manual and the Warranty Booklet in a safe place, along with the original purchase documents, plus all relevant certificates of compliance relating to the installation work performed. Please register the Warranty straight away, by following the steps set out in the Warranty Booklet.

The installer must read the Installation Manual before installing the Braemar Cassette Inverter Air Conditioning Unit. The home owner/user should read the Owner's Manual before operating the Unit.

To ensure the warranty on the Unit is continued and valid, the Unit must be checked and serviced by the home owner/user as per the requirements in the Maintenance & Service section and the Maintenance Schedule. This will also prolong the life of your air conditioner.

The home owner/user should regularly check the Air Inlet side of the Outdoor unit (see the diagram on page 2) to ensure grass, leaf and other matter are not drawn into or onto the Inlet side of the Outdoor unit. Restriction to the air flow across the coil will reduce the system's capacity, and result in high operation pressures and excessive operating costs.

IMPORTANT!

THE AUSTRALIAN GREENHOUSE OFFICE HAS ISSUED VARIOUS REGULATIONS ON THE USE AND DISPOSAL OF REFRIGERANTS IN THE UNIT. FAILURE TO FOLLOW THESE REGULATIONS MAY HARM THE ENVIRONMENT AND COULD LEAD TO THE IMPOSITION OF SUBSTANTIAL FINES.

WHERE SPECIFIED, ONLY QUALIFIED AND LICENSED TECHNICIANS SHOULD PERFORM WORK ON THIS UNIT, FAILING WHICH THE WARRANTY ON THE UNIT WILL BE VOID.

WARNING! This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

OPERATION

Your Braemar Cassette Air Conditioning Unit has been designed and built with reliable, quality components. To ensure many years of trouble free, dependable service please read the following pages very carefully, and please ensure that you follow all of the instructions.

REMOTE CONTROLLER

Please follow the below cautionary notes when using the remote controller:-

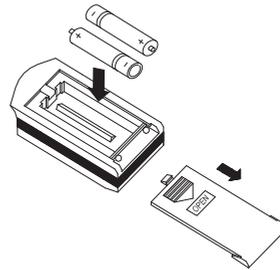
1. Ensure there are no obstructions between the High Wall receiver and remote controller.
2. Don't let the remote control drop onto hard surfaces or be subjected to sudden shocks in any way. Don't allow the remote control to get wet. The warranty does not cover misuse or accidental damage.
3. Don't place the remote control in direct sunlight, or near extremes of temperature. This will affect the control's temperature reading.
4. Don't place near strong electromagnetic waves.
5. Don't mix old and new batteries! If the remote control will not be used for a long time, remove the batteries to avoid corrosion.
6. Before operating the air conditioner, please read this manual carefully and keep it in a safe place for future reference.

NOTE: This is a generic remote control, used for multiple types of air conditioner. Not all functions shown on the remote control may be operational for this unit.

CHANGING BATTERIES

Push down on the battery panel to open the battery compartment area.

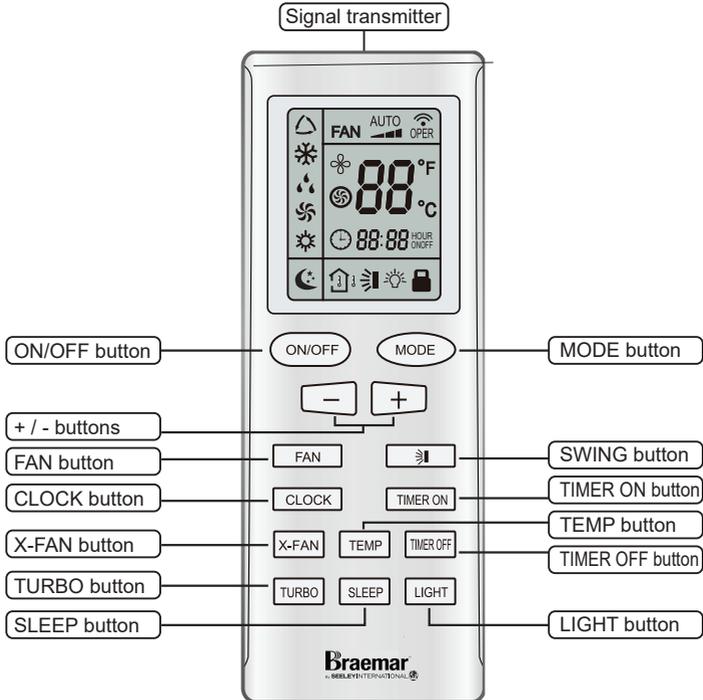
Insert 2 x AAA 1.5V batteries, ensuring the polarity aligns with the markings in the battery compartment (refer below).



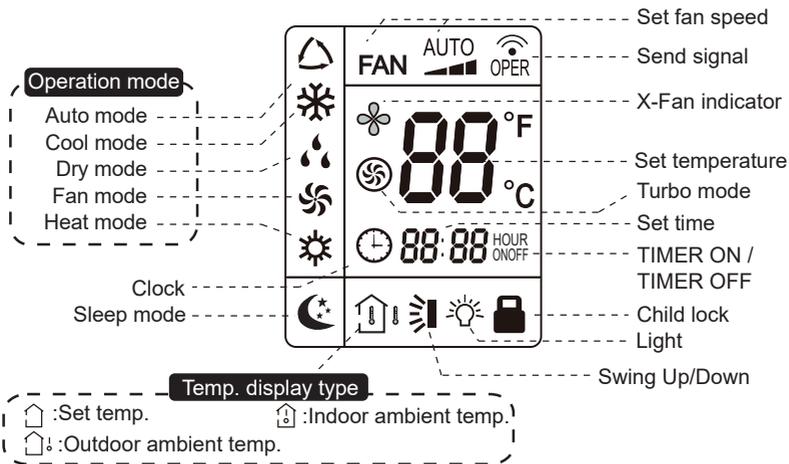
If the remote controller does not activate, remove the batteries and re-insert after waiting 30 seconds.

OPERATION cont.

CONTROLLER LAYOUT



CONTROLLER DISPLAY LAYOUT



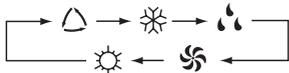
OPERATION cont.

ON / OFF

Press to turn the power on or off.
SLEEP function will be cancelled when power is turned off.

MODE

Press to toggle between AUTO, COOL, DRY, FAN and HEAT modes. The remote controller & unit will display the below icons:-



-  AUTO Mode - cycles between COOL and HEAT modes depending on ambient temperature.
-  COOL Mode - refrigerated cooling
-  DRY mode - for extracting moisture from the air.
-  FAN mode - Fan only operation (no cooling).
-  HEAT mode - reverse cycle heating

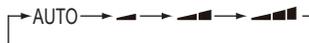
+ / - BUTTONS

Use to adjust the SET temperature within the range 16-30°C (61-86°F). Hold the button down for quick adjustment.

Note: TEMP adjustment is unavailable in AUTO mode.

FAN SPEED

Press the FAN button to toggle between AUTO, Low, Medium and High speed.



AUTO fan speed is default on power up. In DRY mode, only Low FAN speed is selected.

SWING UP / DOWN

Press to adjust the UP/DOWN louvre, each press will toggle between the below settings:-



Where a single line indicates a fixed position, multiple lines indicate swinging up/down in the positions shown.

If the louvre is set to OFF when swinging, it will remain fixed in the last position.

CLOCK

Press the CLOCK button to set the clock time.  will flash on the display, and the clock can be adjusted by pressing the '+' or '-' buttons. Once the correct time is set, press the CLOCK button again to confirm the clock setting.  will be displayed continuously, this indicates the clock

OPERATION cont.

CLOCK cont.

'12:00' is the default setting after power up. Set the correct time to enable the TIMER function to work correctly.

TIMER SETTINGS

The unit can be programmed to turn on, turn off or a combination of both when in standby or power ON modes. Use the below settings.

TIMER ON

Press the TIMER ON button to enter the setup. The  icon will disappear and "ON" will blink on the remote controller display. Use the '+' or '-' buttons to adjust the clock time for the unit to start. Holding these buttons will produce rapid adjustment.

When complete, press the TIMER ON button again to set.

Pressing the TIMER ON button again will CANCEL the TIMER ON function.

TIMER OFF

Press the TIMER OFF button to enter the setup. The  icon will disappear and "OFF" will blink on the remote controller display. Use the '+' or '-' buttons to adjust the clock time for the unit to stop. Holding these buttons down will produce rapid adjustment.

TIMER OFF cont.

When complete, press the TIMER OFF button again to set.

Pressing the TIMER OFF button again will cancel the TIMER OFF function.

TEMP

Press the TEMP button to toggle between the following on the indoor display:

 SET temperature (room target temperature)

 Indoor ambient temperature

 Outdoor ambient temperature (when equipped)

Note: remote controller will always display the SET temperature.

X-FAN

The X-FAN function can be used in COOL or DRY modes, so as to continue operation of the indoor fan for several minutes after the power is turned off (so as to remove excess moisture from the indoor coil). The  icon will be displayed.

Default setting is X-FAN 'OFF', and is not available in AUTO, FAN or HEAT modes.

OPERATION cont.

TURBO

When the unit is first turned on in COOL or HEAT modes, press TURBO to quickly reach the SET temperature. TURBO symbol  will be shown on the remote controller display. TURBO mode is cancelled if MODE or FAN speed is changed.

LIGHT

Press the LIGHT button to toggle between LIGHT ON and LIGHT OFF status. Default is LIGHT 'ON'.

SLEEP

When in COOL, HEAT or DRY modes, press the SLEEP button to start up the sleep function.

The  icon is displayed on the remote controller. Default setting is SLEEP mode 'OFF'.

In COOL and DRY modes, after running for one hour, the main unit SET temperature will increase by 1°C, then after 2 hours will increase by 2°C, then will continue to run at this temperature.

In HEAT mode, the SET temperature will decrease by 1°C and then 2°C for the first 2 hours, and then stay constant.

LOCK

The remote controller can be locked from inadvertent button operation. Press both '+' or '-' buttons simultaneously to lock (or unlock) the remote controller. The  icon will be displayed, and will flicker when a button is pressed.

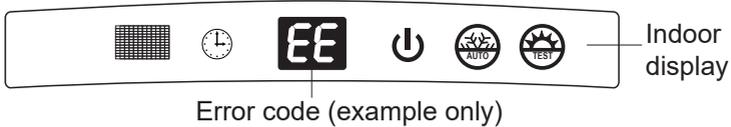
FAHRENHEIT / CENTIGRADE

The temperature display can be toggled between Centigrade and Fahrenheit scales by pressing the MODE and '-' buttons simultaneously.

OPERATION cont.

ERROR DISPLAY

Your Cassette air conditioner includes abnormal operation detection hardware and software. If the unit enters an abnormal state, the temperature indicator on the fascia display will blink to display a corresponding error code.



Error codes and their meanings are shown below:

Number	Error Code	Error Description
1	E1	Compressor high pressure protection
2	E2	Indoor anti-freeze protection
3	E3	Compressor low pressure protection, refrigerant lack protection and refrigerant collecting mode
4	E4	Compressor high discharge temperature protection
5	E6	Communication error
6	E8	Indoor fan motor error
7	E9	Full water protection
8	F0	Indoor ambient temperature sensor error
9	F1	Evaporator temperature sensor error
10	F2	Condenser temperature sensor error
11	F3	Outdoor ambient temperature sensor error
12	F4	Discharge temperature sensor error
13	F5	Temperature sensor error of wired controller
14	EE	Outdoor memory chip error
15	PF	Electric box sensor error
16	H3	Compressor overload protection
17	H4	Overloading
18	H5	IPM protection
19	H6	DC fan motor error

OPERATION cont.

ERROR DISPLAY cont.

Number	Error Code	Error Description
20	H7	Drive desynchronizing protection
21	HC	Pfc protection
22	Lc	Activation failure
23	Ld	Compressor phase sequence protection
24	LE	Compressor stalling protection
25	LF	Power protection
26	Lp	Indoor and outdoor mismatch
27	U7	4-way valve direction changing protection
28	P0	Drive reset protection
29	P5	Over-current protection
30	P6	Communication error between main control and drive
31	P7	Drive module sensor error
32	P8	Drive module over temperature protection
33	P9	Zero passage protection
34	PA	AC current protection
35	Pc	Drive current error
36	Pd	Sensor connecting protection
37	PE	Temperature drift protection
38	PL	Bus low voltage protection
39	PH	Bus high voltage protection
40	PU	Charge loop error
41	PP	Input voltage abnormality
42	ee	Drive memory chip error
43	C4	Outdoor unit capacity code error
44	C5	Indoor unit capacity code error

MAINTENANCE & SERVICE

SAFETY

Always isolate power for the air conditioner from electricity mains before cleaning or maintenance.

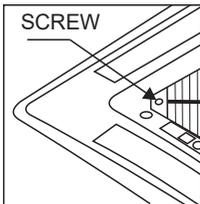
AIR FILTER

It is important to check and clean the air filter as per the Maintenance Schedule. A dirty air filter will not allow the correct amount of clean air to pass through your air conditioner, resulting in poor performance and increased running costs. Please follow the below steps:-

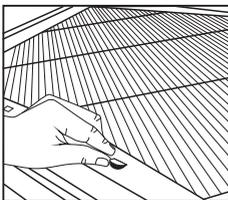
1. Release the central air inlet grille.

a. Screws secure the cover in place. These are located in one of two positions (model specific).

- In the corners of the grille



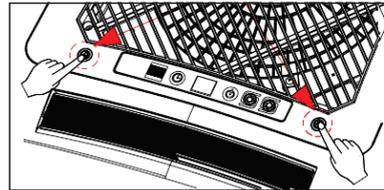
- Under screw covers located on the panel (pull the two screw covers up to remove the screws).



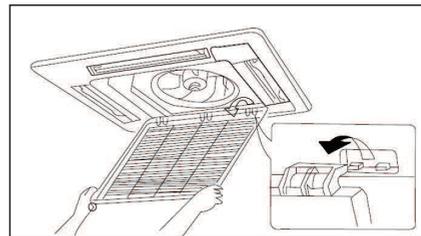
Remove the screws and set aside for reinsertion later.

AIR FILTER cont.

b. Push the fasteners to unlock the grille from the fascia.



2. Disassemble the grille by pulling down to 45° angle and unclipping from the fascia.



3. Remove the filter mesh. Clean the filter mesh by vacuuming or washing under running water (no warmer than 45°C). Use a mixture of mild detergent and water if the filter has grease or oil buildup. Dry in the shade.

NOTE: always ensure the filter is dry, and in place prior to operating the air conditioner.

MAINTENANCE & SERVICE cont.

INDOOR UNIT (REFER PAGE 2)

Ensure drain connections are checked on an annual basis (as set out in the Maintenance Schedule below). Drains can become blocked by all types of insects, and rats have been known to chew through the drain to get to the water in the pipe.

OUTDOOR UNIT (REFER PAGE 2)

The Outdoor unit has either one or two fans, it draws air through the appliance to expel the heat generated during the cooling cycle. We recommend checking that plants haven't grown into or around the air intake or outlet, along with other debris that may build up over time, namely, leaves and the like.

REFRIGERANT

A lack of refrigerant, due to a leak, will cause the compressor to overheat and expire prematurely. You will notice a decline in cooling effect and an increase in power consumption. Therefore, having a qualified, licensed technician service your air conditioner will save you money in the long term.

PLEASE REFER TO THE NEXT PAGE FOR THE MAINTENANCE SCHEDULE

MAINTENANCE SCHEDULE

Installation Date:	/	/	Installer:	
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Items to be done by the Home Owner/User (please sign in the places indicated)							
	Monthly	Annually	Year 1	Year 2	Year 3	Year 4	Year 5
Air filter cleaning	✓						
Air filter replacement		✓					
Maintain required clearance around Outdoor unit		✓					

Items to be done by a Qualified Licensed Technician (Home owner/user must ensure that the technician signs and dates in the places indicated)	
	Annually
Check, clean or replace filter	✓
Check drain from indoor coil	✓
Check Outdoor unit clearances – maintain garden and debris	✓
Check refrigerant charge	✓
Check refrigeration connections for soundness	✓
Check outdoor fans	✓
Check electrical connections	✓
Check overall installation	✓
Report to the home owner/user all tasks that require attention	✓

Year 1 – Date:	/	/	Technician:	
Year 2 – Date:	/	/	Technician:	
Year 3 – Date:	/	/	Technician:	
Year 4 – Date:	/	/	Technician:	
Year 5 – Date:	/	/	Technician:	

Please NOTE: the Maintenance Schedule covers Year 1 to Year 5. To preserve your investment for many years afterwards, we strongly recommend that you continue to maintain and service the Braemar Cassette Inverter Air Conditioning Unit as per the items and frequency set out in the Schedule, and as indicated elsewhere in this Manual.

OPERATION TIPS

The following events may occur during normal operation:

1. Protection of the air conditioner.

Compressor protection

- The compressor cannot restart for 3 minutes after it stops.
- The supply air drops below a pre-determined set point; this prevents the indoor coil from freezing.

2. A white mist coming out from the Indoor unit.

- A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.

3. Low noise of the air conditioner.

- You may hear a low hissing sound when the compressor is running or has just stopped running.

This sound is the sound of the refrigerant flowing or coming to a stop.

- You can also hear a low “squeak” sound when the compressor is running or has just stopped running.

This is caused by heat expansion and cold contraction of the plastic parts in the Unit when the temperature is changing.

4. Dust is blown out from the Indoor unit.

This is a normal condition when the air conditioner has not been used for a long time or during first use of the Unit.

5. A peculiar smell comes out from the Indoor unit.

This is caused by the Indoor unit giving off smells permeated from building material, from furniture or smoke (for example if someone is cooking food).

6. FAN operation during COOL mode.

When indoor air temperature reaches the setting on the remote controller, the compressor will stop operating and after approximately 60 seconds the indoor fan will stop blowing air. When the room temperature rises back to the set point, the indoor fan and the compressor will start again.

TROUBLESHOOTING

Problem	Probable Cause	Remedy
1. The air conditioner does not run.	1.1 Power failure. 1.2 Fuse blown or circuit breaker open. 1.3 Thermostat adjustment too low (in heating mode) or too high (in cooling mode).	1.1 Wait for power to resume. 1.2 Replace the fuse or reset the breaker. 1.3 Check thermostat setting. Is remote in a cold (COOL mode) or hot (HEAT mode) location.
2. Remote controller is not operating the air conditioner.	2.1 Remote controller is out of range. 2.2 Poor signal reception. 2.3 No display on remote controller.	2.1 Signal range is 8m. 2.2 Remove obstacles and electrical interference. 2.3 Check batteries and replace as needed.
3. There is insufficient cooling.	3.1 The room was probably very hot when you started the system. 3.2 Air filter is dirty / blocked.	3.1 Wait a while so the Unit has enough time to cool the room. 3.2 Clean the filter.
4. 'Clicking' sound is heard from the air conditioner.	4.1 In heating or cooling operation any plastic parts may expand or shrink due to a sudden temperature change in this event, a clicking sound may occur.	4.1 This is normal.
5. SET temperature can't be adjusted.	5.1 Unit is operating in AUTO mode. 5.2 The required SET temperature is outside of the allowable range.	5.1 Temperature cannot be set in AUTO mode. 5.2 SET temperature range is 16-30°C
6. Cooler is not operating at full power, or at all	6.1 DRED (Demand Response energy saving) mode has been activated by the Electricity Supplier.	6.1 DRED will stop grid power demands are reduced

WARRANTY & SERVICE

For prompt, efficient service, please follow the above before calling the appropriate number below.

For Refrigerated Cooling Issues

1300 526 477

When calling the Warranty Service number, please ensure you have your model and serial number available, along with date of purchase, and if possible a description of the problem.

NOTE:

Seeley International strives for continuous product improvements, therefore specifications are subject to change without notice. Unit colour may vary slightly from that depicted in this booklet.

Installation and commissioning of this system to the manufacturer's specification, and compliance with industry standards, and local, state and national regulatory codes, are the responsibility of the installer.

Information in this booklet was true and correct at the time of publishing. E & OE.

NOTE

It is the policy of Seeley International to introduce continuous product improvements. Accordingly, specifications are subject to change without notice. Please consult with your dealer to confirm the specifications of the model selected.



Warranty Service
Refrigerated Cooling 1300 526 477
seeleyinternational.com

Braemar
By SEELEY INTERNATIONAL 
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