

TurboKOOL® Model 2B

Effective 4/1/06

Installation Instructions

IMPORTANT

- PLEASE READ INSTRUCTIONS COMPLETELY BEFORE INSTALLING
- A 14" X 14" (35cm x 35cm) VENT FRAME IS REQUIRED

Vent Frame Requirement

The vent frame is a very important and integral part of your TurboKOOL installation and must be securely in place before attempting to continue with the TurboKOOL installation.

If installing over an existing ceiling vent, remove the dome and the crank mechanism, and, if possible, leave the vent frame, that is sealed to the roof, in place.

If replacing a ceiling fan or air conditioning unit there may or may not be a vent frame sealed to the roof. If there is no vent frame, one must be sealed to the roof before continuing with the TurboKOOL installation. Vent frames are available from your local dealer or from Bachman Enterprises, Inc.

If there is no 14" x 14" (35cm x 35cm) opening where you want to install the TurboKOOL, you should consult with your local dealer to identify where and how to cut a hole.

If your installation is on a thin roof that might give a little under the weight of the TurboKOOL (about 18 lbs) you may wish to install a reinforcement gusset from the ceiling side using the vent frame screws to secure it in place. You can either make a gusset or they are available from Bachman Enterprises, Inc.

1. Remove vent cover, operating mechanism, and screen from 14 x 14 (35cm x 35cm) roof vent frame. **DO NOT REMOVE FRAME.** If installing where there is no existing vent frame either contact your local RV dealer to secure a used vent frame or you may purchase a new one through Bachman Enterprises. **You must have a vent frame securely sealed around your roof opening before you can install the cooler.**

2. Place foam tape, furnished with your TurboKOOL, around mounting flange (G) in Fig. 1. Leave a 1/4" (6mm) gap at two opposite diagonal corners of the TurboKOOL. These gaps assure drainage of any water that may get between the unit and roof frame from condensation.

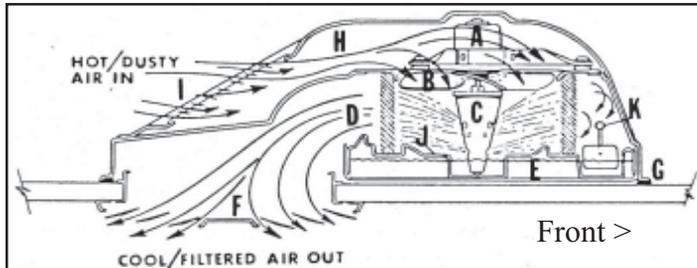
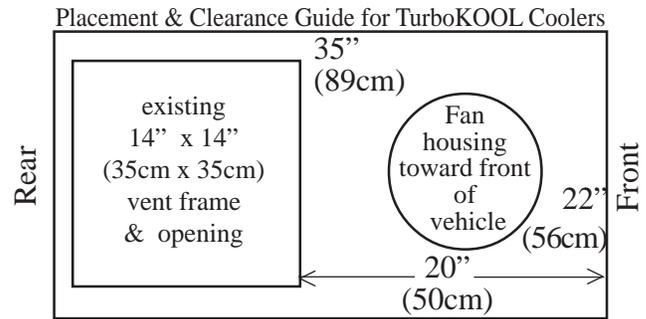


Figure #1

- A. 12 Volt DC Reversible Turbo-Motor
- B. Air Impeller
- C. "Spin-Spray" Pump
- D. 360 Degree Industrial Filter Element
- E. Water cup/Baffle
- F. Exhaust Grill
- G. Mounting Flange (note roof seal)
- H. Weatherproof Hood
- I. Intake Grill
- K. Automatic Water Float Valve

3. Position the TurboKOOL, intake grill to the rear. With hood removed, place TurboKOOL over the roof vent frame so it fits flush to the roof and level with the ground. (vehicle should be relatively level for installation) See Fig. 1.



4. As shown in Fig. 2, fasten the two ceiling plates (E) to the inside of the vent hole or on the rim of the inside frame. Use the (6) #8 x 5/8 (1.5cm) screws, (3) in each plate. These plates mount in the front two corners and are placed so the large hole in each plate is approx. 13" (33cm) center to center and below the two holes in the TurboKOOL body.

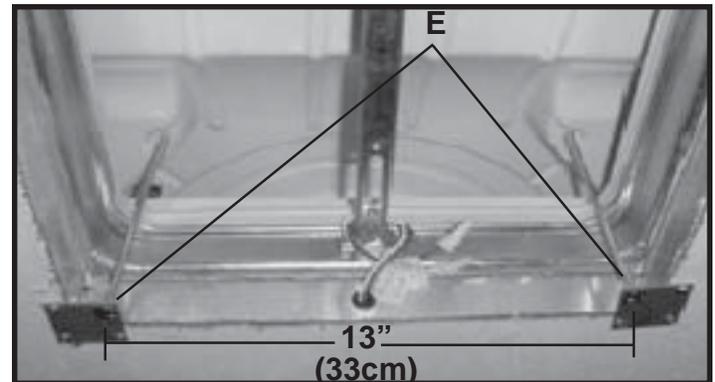


Figure #2

5. From inside the vehicle, insert the two long bolts, 1/4-20 x 10" (6mm-20 x 25cm), through the remaining hole in each of the ceiling plates (E) and up thru the two holes in the TurboKOOL body. If installing alone use a piece of masking tape to hold each bolt in place until top nuts can be installed.

Place 1/4" x 3/4" (6mm x 18mm) flat washer & 1/4" (6mm) hex nut on each bolt and **HAND TIGHTEN. DO NOT USE A WRENCH.** Now apply the other 1/4" nuts from the kit, holding the bottom nuts with a wrench, tighten the top nuts, locking the 2 nuts together.

Longer mounting bolts: If longer mounting bolts are necessary for your particular application you should be able to improvise by using 1/4 inch (6mm) all-thread rod.

6. Refer to Fig. 3. Fasten flange hold down clips, from kit, approx. as shown in Fig. 3. Place rectangular rubber dampener under front of clip pressing on roof and using some caulking from the little caulking bag and 1-1/2" (3.8cm) long screw thru hole in clip, fasten clip to

hold down front body flange. Locate clip so screw gets a good hold in the roof structure.

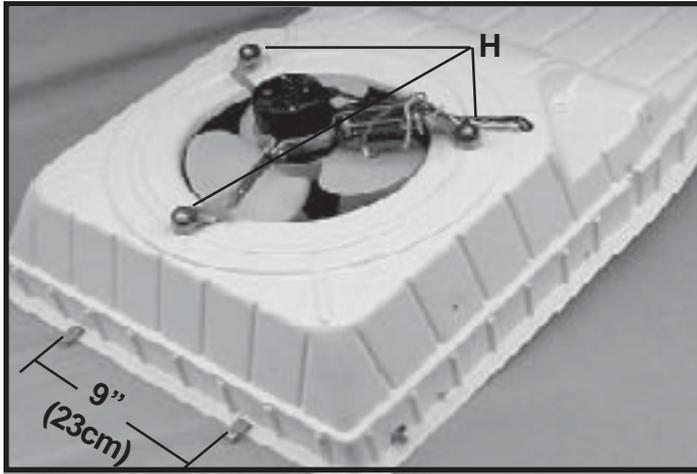


Figure #3

7. See (K) Fig. 4. The Model 2B is fitted with a float valve which controls the water level in the water cup/baffle.

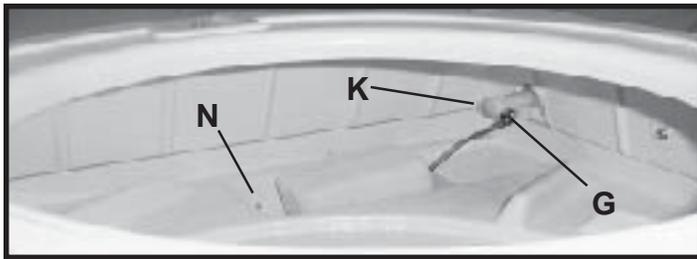


Figure #4

The hardware kit contains both a Flair-It and a Qest "T" fitting. When choosing the proper "T" fitting the following is a rough rule-of-thumb. Rigs 1997 & newer usually have transparent tubing either clear, blue or red and would use the Flair-It fitting. The older tubing is generally gray and use the Qest fitting. Choose the one that fits your water supply line. Cut existing 1/2" (12mm) water line in your vehicle between vehicle pump and cold water outlet and plumb either the Flair-It or the Qest "T" valve in line. The placement of your fitting should be in a convenient, easy to reach location. (See Fig. 5) Insert the 1/4" shut-off valve in the "T" fitting you choose. The float valve is then plumbed in place by running 1/4" (6mm) tubing from float valve ("B" located outside on the front of the right side of the cooler) to the 1/4" (6mm) tube connection on the shut-off "T" fitting of your water supply.

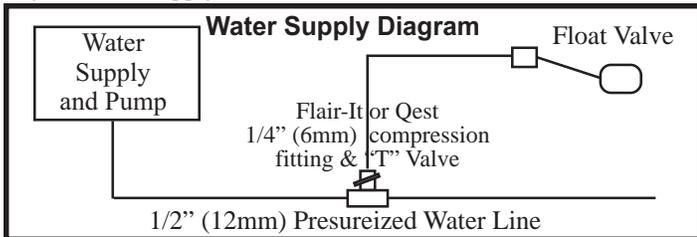


Figure #5

To install water supply tubing from inside the vehicle, a 1/4" (6mm) hole must be drilled in TurboKool body, in the air exhaust section. Note dimple hole just to the right of Serialized Label on the TurboKool body for drilling hole. **DO NOT DRILL INTO WATER PAN.** Run tubing from inside, thru 1/4" (6mm) hole to float valve (B) on outside of body. Fig. 6

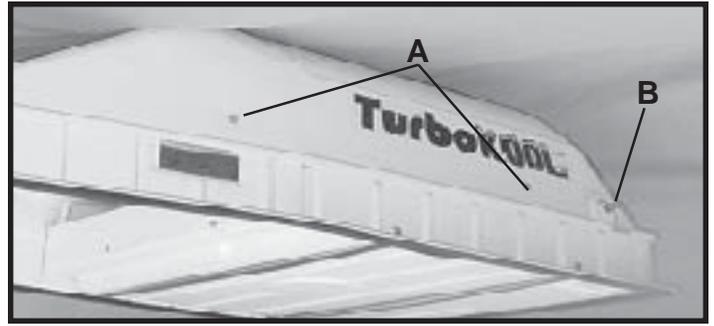


Figure #6

8. From inside the vehicle, extend wire harness (4 wires and snap connector) from motor through ceiling vent opening and attach to the 4 wires and snap connector in exhaust grill housing. Fig. 7

9. Using the wire nuts furnished, connect your 12 volt power source to the two leads on the cooler. It is **EXTREMELY IMPORTANT** that at least #16 stranded wire (#14 preferred) be used to bring electrical current to your TurboKool. A 10 amp fused in-line pigtail is included to protect your TurboKool and your electrical system.

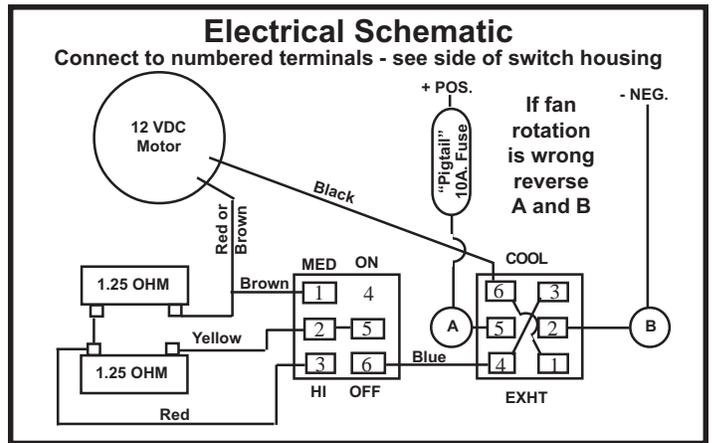


Figure #7



Figure #8

10. The exhaust grill, Fig. 8, can be mounted for permanent installation by centering over vent opening and attaching to ceiling with four (4) #8 x 3/4" (1.9cm) Phillips head screws provided. Using the 4 outer dimples in the exhaust grill flange as location guides, drill four 3/16" (.5cm) holes .

11. Water can be supplied in numerous ways such as:
- A. From existing pressurized water system in the vehicle.
 - B. From a manually pressurized water tank which is plumbed to the 1/4" (6mm) tube leading to the TurboKOOL float valve. The TurboKOOL 2B-1005R Water Supply Tank is made for this purpose. It is available direct from Bachman Enterprises, Inc.
 - C. On-Demand 12 volt pump and various size water tanks are also available from Bachman Enterprises, Inc.
 - D. Water can be added manually to the TurboKOOL water cup by using a squeeze bottle with a hook on the end of the tube, as used to water house plants. If the hooked tube is long enough you

can reach through the diffuser blades without removing grill. The water cup has a capacity of approx. 3 cups (.75 liter). You may need to remove exhaust grill, then hook end of tube over the edge of the water pan and slowly squeeze bottle.

12. While the hood is removed **check to be sure that bottom of conical Spin-Spray Pump is about 1/4" (6mm) above the bottom of the water tray/baffle.** Also at this time check to make sure the fan can turn freely within the venturi opening. Now replace the hood back over the body and secure with the 4 hex screws.

Notes to Keep In Mind

The water cup/baffle is not waterproof but is splash resistant. If rough driving conditions exist, you should shut off your water supply at pump or by closing the shut-off valve. You may wish to run the cooler on "HI" speed for a few minutes after you shut the water off to lower the water level in the tray/baffle before driving on rough roads. Occasionally, as use and environment dictate, you should remove the hood, motor mount assembly and the baffle ring from the water tray/baffle to clean out all the dust and pollen that has been removed from the air by the filter element. It is easiest to use a paper cup to remove the majority of the water from the circular water tray then use a towel

to absorb and remove the remaining water and dirt. This is a good time to clean or replace the filter element.

IMPORTANT - When using the TurboKOOL as an exhaust, **TURN OFF WATER SUPPLY.** The water still in the unit will be thrown out and will run down on the roof of the vehicle and can also cause fan motor damage.

SPEED SELECTION SWITCH - The center position on the speed switch (unmarked) is the "LOW" speed. The center position on the "EXHT/COOL" switch is also "OFF". **DO NOT SWITCH FROM "EXHT" to "COOL" or from "COOL" to "EXHT" UNTIL THE FAN HAS STOPPED ROTATING.**

Draining and Cleaning

If you are draining the cooler in preparation for freezing weather, you will want to make sure the circular tray and the float valve tray are both empty and the water line from the main water supply leading to the cooler is drained and possibly blown clear.

To drain the 1/4 (6mm) inch supply line in preparing for cold weather, first close the shut off valve from your pressurized supply line. Then loosen the 1/4 inch (6mm) compression nut at the shut off valve, removing the 1/4 inch (6mm) line and allow it to drain into a paper cup. Next remove the 4 screws securing the hood and remove the hood. Remove the 3 screws that hold the motor

mount assembly to the body. *(Be very careful not to misplace the 6 rubber motor mount bushings. Note the sequence, the bushing with the metal washer is on top and goes washer side up).*

Gently turn the motor assembly over and lay to the side. You can now reach inside and remove the 2 thumb screws allowing you to remove the baffle ring. At this point you may also wish to remove and replace or clean the filter. With the filter and the baffle ring out you can now clean out all the dust and pollen that has been removed from the air by the filter element. A sponge works well to remove the water.

How TurboKOOL Technology Works

The cooling is caused by evaporation. (see Fig. 1) Warm dirty, dry outside air, with its low relative humidity, is pulled into the cooling unit by the fan, while water is being sprayed by the spin spray pump on a cylindrical porous non-organic filter. As the dry dirty air is forced through the wet filter by the fan, the pollen and dirt are removed and the water is evaporated, which cools the air coming out of the cooler. This cool air must be allowed to flow freely through the RV or

facility being cooled and out through a window, door or vent. If the air flow is restricted, the cooling will be much less. The efficiency of evaporative cooling is dependent upon many factors. The size of the RV or facility being cooled, how well it is insulated, exterior temperature and humidity are just some of the variable factors that can affect the cooling efficiency. The efficiency chart on page 5 will give you a rough idea of the performance you can expect.

TurboKOOL is quiet simplicity at its best!

Troubleshooting

UNIT DOES NOT OPERATE -

1. Try switches at all speeds in both directions.
2. Check wire connections at switches, resistors, at wire nuts and at power supply.
3. Check fuse and charge level of battery.
4. If installed on trailer and operated on vehicle battery, check if inner connection correct.
5. With speed switch in OFF position, remove hood. Rotate fan by hand to check for interference with venturi opening, filter, pump rubbing on bottom of water tray/baffle or motor frozen.

INADEQUATE COOLING -

1. If no air flow, check above items 1 thru 5.
2. Check water level, water supply lines, and valve.
3. Check filter and pump. If dirty, clean as directed under maintenance.
4. Check to see pump cone tip is submerged in water and check 1/4" (6mm) clearance between end of pump cone and bottom of circular water tray/baffle.
5. If water depth is less than 3/4" (1.9cm), depress float and observe if water is flowing thru the valve. Refer to Item 5, "Adjustment Procedures" on pages 5 and 6 to reset.
6. Check polarity - it may be exhausting rather than blowing cool air in. Reverse polarity.

EXCESS VIBRATION -

1. Check fan blades and pump cone, rotating by hand. Note whether fan blades are broken or if cone set screw is loose. Are fan blades hitting filter or edge of venturi opening.
2. Check for loose screws, loose or deteriorated rubber motor mounting bushings. Replace if needed.

WATER LEAKAGE -

1. Check to make sure your unit is mounted on a portion of the roof level with the ground.
2. Check water level in unit. Refer to Item 5, "Adjustment Procedures", on pages 5 and 6 for float valve adjustment. (see "Notes to Keep in Mind" page 3 in Installation Instructions)

EXCESS WATER CONSUMPTION -

1. Check items listed under Water Leakage above.
2. If rate of water consumption is not due to a leak but instead only during operation, remember, your TurboKOOL is providing cooling effect in proportion to the water consumed. Under conditions of high temperatures and low humidity, more water is used.
3. Driving conditions, such as rough roads stop and go or sharp turns cause excessive action of the float valve and may allow the unit to overflow. (See "How TurboKOOL Works")

Operating Your TurboKOOL

This unit is recommended for use in areas where the average relative humidity does not exceed 75%, or generally the western part of the United States. (see Efficiency chart page 5)

TO USE FOR COOLING:

Turn on the water pump in your vehicle to fill the unit. Open a window or vent in your vehicle, in or past the area to be cooled. Press "COOL" switch. (Note the center position is "OFF".) Select speed, "HI", "MED" or "LO". ("LO" is un-

marked center position.) Press the "ON" switch. After initial cooling we recommend you run unit on "MED" or "LO" speed to conserve water and power.

TO USE AS EXHAUST:

Shut off water supply. (Unit will throw any water in reservoir out the top.) Open window or vent to draw air into vehicle. Press "EXHT" switch. (**DO NOT USE TO EXHAUST COOKING FUMES AS GREASE WILL CLOG FILTER.**) Select speed and press "ON" switch.

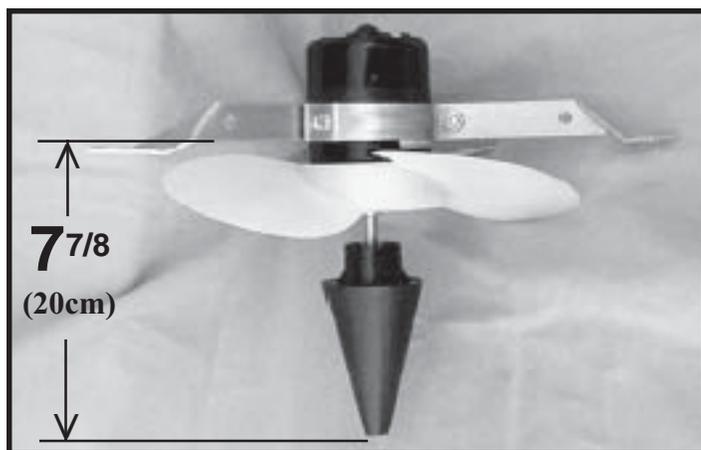


Figure #9

MODEL 2B SPECIFICATIONS

Capacity:	HI - 750 CFM (28cmm)
	LO - 450 CFM (17cmm)
Electrical:	12 VDC
AMP. Draw:	Maximum - 4.6
Weight:	16 lbs. (7.2kg)
Length:	35" (89cm)
Width:	22" (56cm)
Height:	11.5" (29cm)

Alternative Float Valve Adjustment Procedure

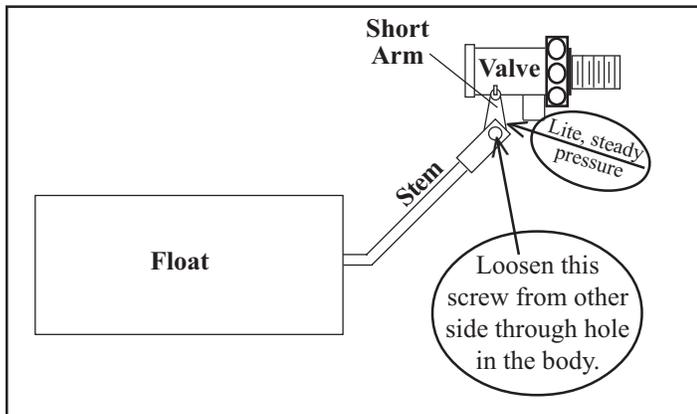


Figure #10

Alternative Float Valve Adjustment.

First establish the correct water level [between 3/4" and 1" (1.9cm and 2.5cm)] in either the circular water bowl or the float water tray. This can be done manually as follows:

Shut off water supply, remove the 4 screws securing the hood and remove the hood. Remove the 3 screws that hold the motor mount assembly to the body (*be very careful not to misplace the 6 rubber motor mount bushings. Note the sequence, the bushing with the metal washer is on top and goes washer side up*).

Gently turn the motor assembly over and lay to the side. You can now reach inside and remove the 2 thumb screws allowing you to remove the baffle ring. At this point you should also remove the filter. With the filter and the baffle ring out you can now use a paper cup or sponge if you need to either remove water to get it to the correct level or you may need to add water.

A good way to measure the water depth is to place marks on a pencil 3/4" and 1" (1.9cm and 2.5cm) from the tip. Set the tip in the water to the bottom for a moment then remove and check water on pencil, like oil on a dip stick.

Loosen screw that holds the stem to the short arm by inserting a #1 phillips screw driver through the hole in the front of the body and guiding the screw driver tip to the screw head with your finger.

Exert light but steady pressure, to the left, on the short arm (see arrow) while allowing the float to ride freely on the 3/4" to 1" (1.9cm to 2.5cm) of water in the float tray. Then tighten screw.

Float Valve Field Adjustment Procedure

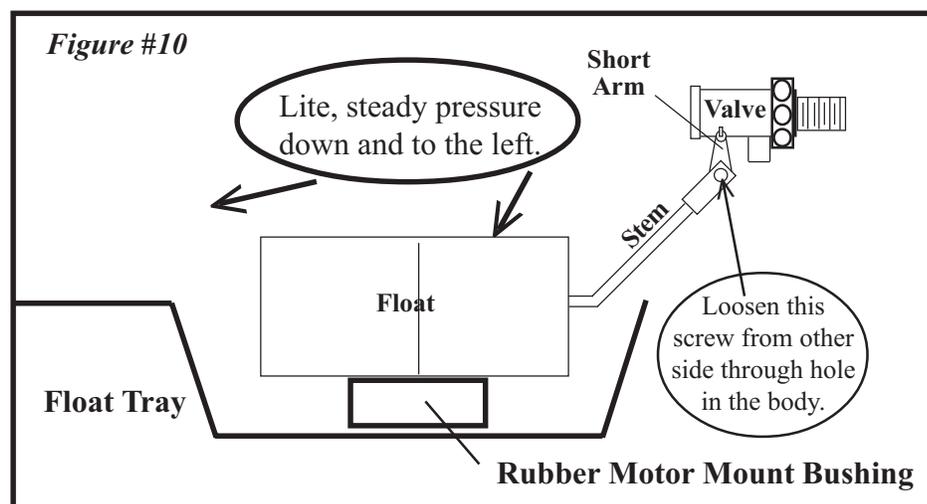


Figure #10

Loosen the adjustment screw from the front side through hole in the body. Tie a string through any one of the six rubber motor mount bushings (they are all 1/2 inch thick) after removing the motor mount assembly. Place the bushing, as a spacer, flat underneath the center of the float right under the seam. Very gently hold the float down against the bushing and gently hold

the float all the way to the left until it stops. Tighten the screw and using the string remove the bushing from under the float being careful not to change the setting on the float. This should be very close to the proper float setting. The valve should shut off when the bottom of the float is about 1/2 inch above bottom of float tray.

Removal, Replacement and Adjustment Procedure

1. Disconnect electrical power to the unit.
2. Refer to Fig. 6. Remove 4 screws (A) and remove hood.
3. Refer to Fig. 3. Remove 3 screws at (H) and remove as an assembly, gently turn over the motor bracket assembly which includes the 10" (25cm) fan and the Spin-Spray pump and lay to one side.
4. Remove the cylindrical filter through the venturi opening.
5. Refer to Fig. 4. You will have one of the following two types of float adjustments.

You will either have a float valve that is adjustable by phillips head screw driver through a 1/4" (6mm) hole in the front of the body just around the corner from the float valve intake fitting through which you can insert a screw driver to loosen the Phillips head screw (G) under the valve, using a #1 Phillips screwdriver. With water supply on and operating at normal pressure, adjust the float height to obtain 3/4" to 1" (1.9cm to 2.5cm) water depth.

OR, Your adjustment screw may be accessible through the venturi opening after removing the filter and then follow the adjustment procedure above. (see Alt. Adjust. page 5)

6. If replacing motor, air impeller, or spin-spray pump, refer

to Fig. 9. To install new air impeller, proceed as follows: Impeller is a friction fit on motor shaft. With air impeller hub away from motor, align flat on impeller shaft hole with flat on motor shaft. Now push air impeller all the way up to about 1/16" (1.5mm) from motor. To replace pump mark shaft where the pump is located. Loosen set screw on pump and slide pump off shaft. This is the time to pull the air impeller off motor shaft if it is to be replaced. Now slide pump back on shaft to mark and set screw to flat side of shaft and tighten set screw. The bottom of the pump cone should clear bottom of circular water tray by 1/4" (6mm) .

7. Refer to Fig. 3. When reassembling motor assembly into body assembly, spin the air impeller to be sure it turns freely. If it rubs on the edge of the venturi opening, loosen the 3 screws (H) and move assembly to obtain uniform spacing thru full turn. To reassemble, reverse steps.

IMPORTANT

TO PREVENT LEAKAGE WHEN USING PLASTIC TUBING SUPPLIED, BE SURE TO USE PLASTIC FERRULES AND INSERT THE BRASS INSERTS INSIDE TUBING AT ALL CONNECTIONS. IF COPPER TUBING IS USED, THEN ONLY USE BRASS FERRULES.

Recommended Routine Maintenance

1. Every 6 months or as needed, remove filter and clean by hosing down with water from outer surface, inward, or soak in a bucket of soap and water to loosen dirt, etc. When your TurboKOOL is used in certain areas where the water has high alkali content, it may be desirable to clean more often. In these areas it may be to your advantage to have an extra filter on hand.
2. Check spin-spray pump cone for caking of alkali and clean off with fine steel wool. Make sure holes at top of cone are not clogged. Since the inside of the cone pump can also become caked with alkali, you may wish to replace it periodically if performance drops.
3. The motor is equipped with factory oiled and sealed bearings. Under normal use, the bearings need no additional oil. If used in high alkali areas for long periods of time, a drop of oil in the lower bearing, (3 in 1 or sewing

machine oil) will help. We recommend that you turn on your TurboKOOL, either wet or dry, at least once a month, and run for 5 minutes or more even during the off season.

4. Before the start of the warm season, check the condition of filter, motor mount grommets and wiring. Replace if cracked, brittle or deteriorating.
5. To clean the circular water tray/baffle remove the hood and four (4) screws and the three (3) screws holding the motor mount assembly. Remove the two (2) thumb screws holding the baffle ring onto the water tray. You may now wipe out the circular water tray.
6. Contact your local dealer or the factory for any parts required, or for assistance in case you encounter problems. Always include the Model No. and the Serial No. when writing. Both numbers are found on the I.D. label, see Fig. 6, on the side of the body.

Technical Support

We have a staff of experienced technicians who can answer your technical questions or give you more information on our products. Just E-mail us at Bachman@TurboKOOL.com

or call our Tech Support and Customer Service number 775-265-3003 or Fax us at 775-265-5181. If we're not in, leave a message and we'll get back with you as soon as possible.

Outside Air Temperature F	125	83	86	90	93	96																						
	120	81	83	86	90	93	95																					
	115	78	80	83	86	89	91	94																				
	110	75	77	80	83	85	87	90	92																			
	105	72	74	77	79	81	84	86	88	89																		
	100	69	71	73	76	78	80	82	83	85	87	88																
	95	67	68	70	72	74	76	78	79	81	82	84	85	87														
	90	64	65	67	69	70	72	74	76	77	78	79	81	82	83	84	86											
	85	61	62	63	65	67	68	70	71	72	73	74	75	76	77	79	81											
	80	57	58	60	62	63	64	66	67	68	69	71	72	73	74	76	76	77										
	75	54	55	57	58	59	61	62	63	64	65	66	67	68	69	70	71	72										
		2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80										
	% Relative Humidity																											

Outside Air Temperature C	52	28	30	32	34	36																						
	49	27	28	30	32	34	35																					
	46	26	27	28	30	32	33	34																				
	43	24	25	27	28	29	31	32	33																			
	41	22	23	25	26	27	29	30	31	32																		
	38	21	22	23	24	26	27	28	28	29	31	31																
	35	19	20	21	22	23	24	26	26	27	28	29	29	31														
	32	18	18	19	21	21	22	23	24	25	26	26	27	28	28	29	30											
	29	16	17	17	18	19	20	21	22	22	23	23	24	24	25	26	27											
	27	14	14	16	17	17	18	19	19	20	21	22	22	23	23	24	24	25										
	24	12	13	14	14	15	16	17	17	18	18	19	19	20	21	21	22	22										
		2	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80										
	% Relative Humidity																											

TurboKOOL® Limited Warranty 4/1/06

TurboKOOL evaporative coolers are warranted to be free from defect in materials or workmanship for a period of one (1) year from the date of their original retail purchase. If any part of the TurboKOOL unit fails to conform to this warranty, we will replace or repair it using new or refurbished parts.

To obtain warranty service in the United States, you must return the defective part within the warranty period together with the original or a machine reproduction of a dated Proof-of-Purchase document identifying the TurboKOOL unit along with the unit's serial number and a Return Authorization to Bachman Enterprises, Inc., 708 Addler Rd., Gardnerville, NV 89460. To obtain a Return Authorization, call (775) 265-3003.

This warranty does not cover defects, malfunctions, or failures resulting from shipping or transit accidents, abuse, misuse, operation contrary to furnished instructions, operation on incorrect power supplies, operation with faulty associated equipment, modification, alteration, improper servicing, tampering or normal wear and tear or TurboKOOL units on which the serial number has been removed or defaced.

Parts Replacement Warranty;

Unless otherwise specified, replacement parts are warranted for 90 days from the date of purchase (parts only). If the part is replaced within the original one year warranty period then this replacement warranty is superseded by the new equipment warranty and such parts replaced during this time, will be warranted for the remainder of that new equipment warranty.

TurboKOOL coolers are not warranted to operate without failure. Accordingly, in any use of the cooler in life support systems or other applications where failure could cause injury or loss of life to humans or animals or where spoilage or damage to property may occur, the cooler should only be installed with appropriate redundancy, fault tolerance and

or integrated back-up features.

Per Bachman Enterprises terms and conditions of sale, the user of TurboKOOL products in life support or property preservation applications assumes all risk of such use and indemnifies Bachman Enterprises, Inc./TurboKOOL against all damages.

Bachman Enterprises, Inc. shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from the furnishing, performance or use of this product.

Information in this manual is subject to change without notice.

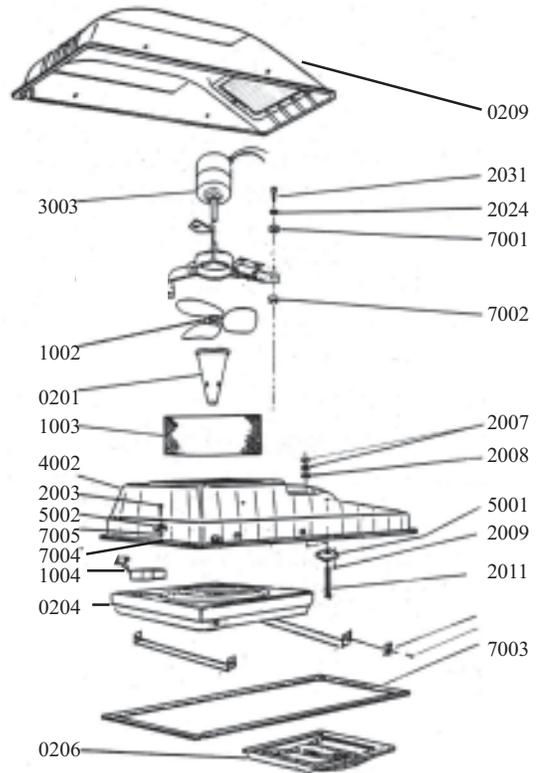
ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. OUR LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER INCLUDING OUR NEGLIGENCE, ALLEGED DAMAGE OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE TURBOKOOL UNIT. WE SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only warranty applicable: no one is authorized to extend or modify it or to grant any other warranty.

TurboKOOL® Bachman Enterprises, Inc., P.O. Box 6159, Gardnerville, NV 89460
 Phone: 775-265-3003, Fax: 775-265-5181, E-mail: Bachman@TurboKOOL.com, Website: www.TurboKOOL.com

Model 2B Parts List



<u>Part #</u>	<u>Description</u>
0201	Spin-Spray Pump
0204	Water Cup/Baffle Assembly
0206	Exhaust Grill Assembly
0209	Hood Assembly w/intake grill
1002	3 Blade 10" Impeller
1003	Industrial Filter Element
1004	Float Valve
2003	Screw #10 x 1 1/2 HXSMS
2007	1/4 - 20 Hex Nut
2008	1/4 x 3/4 Flat Washer
2009	Screw #8 x 5/8 PhilPan T/S
2011	Mounting Bolt 1/4-20 x 10"
2024	1/4" Flat Washer
2031	Sert Bolt 1 1/4"
3003	12 Volt DC Reversible Turbo Motor
4002	Body
5001	Aluminum Ceiling Bracket
5002	Hold Down Clip
7001	Upper Motor Isolator w/washer
7002	Lower Motor Isolator no washer
7003	Neoprene Mounting Gasket
7005	Dampener (hold down clip)



Part # 2B-6506

Plumbing & Hardware Pack

Consists of:

<u>Description</u>	<u>Part #</u>	<u>Use Location</u>	<u>Quantity</u>
1 Screw #10 x 1 1/2 HXSMS	2B-2003	For Hold Down Clips	2
2 1/4-20 Hex Nut	2B-2007	Mount to Roof	4
3 1/4 x 3/4 flat washer	2B-2008	Mount to Roof	2
4 Screw #8 x 5/8 PhilPan T/S	2B-2009	Mount Ceiling Bracket	6
5 Mounting Bolt 1/4-20 x 10"	2B-2011	Mount to Roof	2
6 Screw #8 x 3/4 PhilPan T/S	2B-2015	Exhaust Mount	4
7 Wire Nuts	2B-3001	Connect to Power Source	2
8 Sq. Ceiling Brackets	2B-5001	Mount Bracket to Ceiling	2
9 Hold Down Clips	2B-5002	Hold front edge down	2
10 Warranty Card	2B-6502	Fill out and return	1
11 Putty Pack	2B-7004	Putty for hold down screws	1
12 Rubber Dampener Pad	2B-7005	Pad between clip & lip	2
13 Qest "T" & Valve 1/2 x 1/2 x 1/4	2B-8002	Connect to water supply	1
14 Flair-It "T" 1/2 x 1/2 x 1/4	2B-8012	Connect to water supply	1
15 Compression Pack 1/2	2B-8003	Connect "T" to Supply Line	2
16 Plastic Compression Sleeve 1/4"	2B-8004	1/4" Compression	1
17 1/4" Brass Insert	2B-8005	Insert in both ends tubing	2
18 Brass Compression Nut	2B-8006	1/4" Compression	1

Installation Pack

Consists of:

Exhaust Grill	2B-0206	Interior Ceiling	1
Instruction Manual	2B-6501	Helping Hand	1
10' Roll Neoprene Mounting Gasket	2B-7003	Seals Unit to Roof	1
25' Roll 1/4" Turbo Tubing	2B-8001	Water line to Unit	1