

www.AirMadeBetter.com

Installation & Operation Manual

Models: PV50, CV80

All Models: 12V DC

IMPORTANT: READ THIS MANUAL CAREFULLY FOR PROPER INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS.

3 YEAR WARRANTY

PLEASE REGISTER YOUR WARRANTY AT: www.advancedairgroup.com/warranty-registration

LIMITED 3 YEAR WARRANTY

For warranty service, please contact your Independent mechanic or retailer for the address of the nearest service center or email: customercare@airmadebetter.com

WHAT IS COVERED BY THIS WARRANTY

Advanced Air hereby warrants to the consumer that the product purchased under this warranty be free from defects in material and workmanship under normal use when installed, operated and maintained in accordance with the manufacturer's instructions.

In the event of a product defect, failure or malfunction, Advanced Air will, for a period of three (3) years from the date of purchase, repair or replace at its discretion the defective, failed or malfunctioning product purchased under this Warranty. Installation and/or removal labor costs or charges and shipping of product/parts are not covered under this warranty.



BiPolar PV50



BiPolar CV80

INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon proper installation, operation, cleaning and maintenance, all in accordance with this Installation and Operation Manual. Failure to meet any of these requirements will void this warranty. Servicing of your Advanced Air BiPolar Ionization product by parties other than our authorized representatives and/or using parts other than genuine Advanced Air parts will also void this warranty.

WHAT IS NOT COVERED BY THIS WARRANTY

Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply for loss or damage caused by accident, shipping, fire, abuse, misuse, improper installation, leaking, modification, misapplication, or by any repairs other than those provided by our authorized Service Center. This warranty is non-transferable.

EXCLUSION OF OTHER WARRANTIES AND CONDITIONS

EXCEPT AS PROVIDED HEREIN, WE MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND. ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

LIMITATION OF LIABILITY FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

WE SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF EXPRESSED OR IMPLIED WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, BREACH OF CONTRACT, NEGLIGENCE, INSTALLATION OR ANY OTHER LEGAL THEORY. Such excluded damages include, but are not limited to, loss of profits or revenue, and loss of the use of the products, and any loss caused by leaks or other water damage.

FOR U.S. APPLICATION ONLY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on warranties, or on remedies for breach. In such states, the above limitations may not apply to you.

FOR CANADIAN APPLICATION ONLY

Exclusion of Subsequent Owners: Except as otherwise required by applicable legislation, this warranty is not transferable. This warranty gives you specific legal rights and you may also have other rights which vary from province to province. Some provinces and territories do not allow limitations on warranties, or on remedies for breach. In such provinces or territories, the above limitations may not apply to you. If any provision of this warranty or part thereof is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the validity, legality and enforceability of the remaining provisions or parts thereof will not in any way be affected or impaired within the jurisdiction of that court. This entire warranty shall continue to be valid, legal and enforceable in any jurisdiction where a similar determination has not been made.

SERVICE

For service questions or inquiries please contact us at: customercare@airmadebetter.com

MAINTENANCE

Advanced Air BiPolar Ionization Systems are designed for continuous operation without requiring replacement parts. It is recommended that the device is mounted downstream from the filter to ensure the carbon fibre brushes remain as clean as possible.

Cleaning Interval: Advanced Air BiPolar Ionizers are designed for low maintenance. The devices should be checked semi-annually to confirm the brushes are clean for maximum performance. If the carbon fibre brushes get dirty, please follow the instructions below for proper cleaning and maintenance.

1. Disconnect the power to the BiPolar unit.
2. Remove any dust from the brushes with either compressed air or gently brushing the emitter brushes with a small soft bristle brush.
3. Reconnect the power to the BiPolar unit.

SAFETY WARNINGS

DISCLAIMER

Manufacturer is not responsible for any issues, injuries or damages caused as a result of:

- Misuse or improper application of the product.
- Placement of the product in a location or in a manner which is not contained in this manual; or in locations which exceed temperatures of -4°F to 140°F (-20°C to 60°C).
- Improper installation or products installed in a manner which does not follow the installation instructions contained in this manual.
- Any installation not performed by a licenced mechanic.
- Use of replacement parts not manufactured or supplied by Advanced Air.

CAUTION

RISK OF ELECTRIC SHOCK! Disconnect power at battery or fuse box before installing this device or performing any service/replacement of parts. Also, disconnect power to the unit before performing any service, maintenance or parts replacement.

*Always follow OSHA electrical lockout safety requirements to prevent accidental exposure to electrical energy during installation or service/repair.

WARNING

- Keep all wires away from the carbon fibre brushes, allowing at least one inch (1") of spacing between the carbon fibre brushes and anything metal or grounded.
- Never touch the ion needles or carbon brushes while operating.
- Only install this product in a dry location away from water or moisture. Only install this product within a vehicles cabin in an AC/heater fan or duct, and away from extreme heat or cold. This product should not be installed in locations which exceed temperatures of between -4°F to 140°F (-20°C to 60°C).

MECHANICAL INSTALLATION

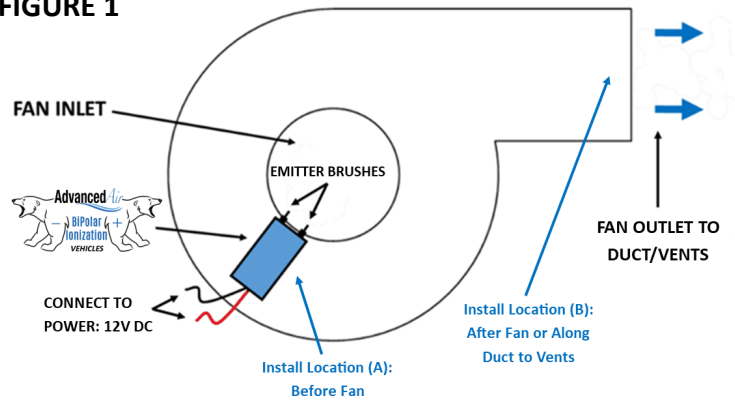
WARNING: Do not connect to power before installation is complete.

1. Mount the BiPolar Ionization unit either before (A) or downstream of the AC/Heater Fan along the air vent ducts (B). See Figure 1
2. Mount the BiPolar unit at or near the fan inlet on a metal surface in the air handler or internal wall duct ensuring the airstream flows over the two brushes simultaneously. See Figure 1
3. Attach using short length screws (not provided) so they do not impair fan operation or cause damage to equipment. Or high strength glue designed for use in vehicles.
4. The tips of the carbon brushes should be at least 1" away from any metallic or grounded object.

Hardware Provided: 1-BiPolar Ionization unit .

Hardware Required by Installer: Electrical Connectors | Mounting Screws

FIGURE 1

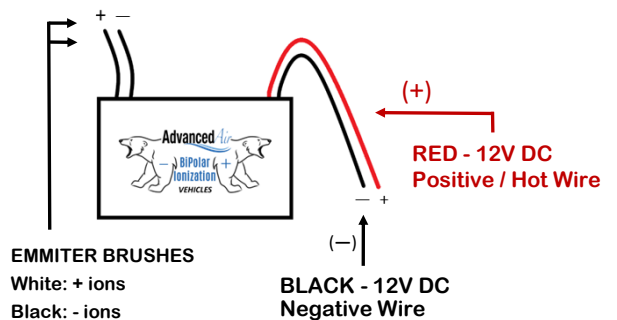


ELECTRICAL INSTALLATION

WARNING: Do not connect to power before installation is complete. Always disconnect power from the unit before handling the ionizer.

1. All field wiring to be done in accordance with NEC and Authorities Having Jurisdiction (AHJ).
2. Connect power to the BiPolar Ionizer using appropriate voltage of 12V DC. See Figure 2.
3. Wires: RED: Positive / Hot ; BLACK: Negative
4. For best results, interlock the BiPolar Ionizer with the fan power.
5. Keep power wires away from tips of the units brushes.
6. Apply power to unit.

FIGURE 2



OPERATION

1. The BiPolar ionizer is self balancing and does not require any adjustments.
2. Safe operating temperature range: between -4°F to 140°F (-20°C to 60°C). Placement of this device in areas which exceed these temperatures may result in damage or fire.

Advanced Air
Air Made Better.

Phoenix, AZ USA

Phone: 602-975-8396

Email: customer@airmadebetter.com

www.AirMadeBetter.com

SPECIFICATIONS

Model	Voltage	Current	Vehicle Size
PV50	12V DC	10mA	Any Size Passenger
CV80	12V DC	10mA	Commercial / Transit

CONFORMS TO:

- UL STANDARD 867
- CSA STANDARD C22.2 No 187. 5th Ed.
- RoHS Directive (EU) 2015/863
- EU REACH Regulation (EC) No 1907/2006
- CE: EN-61000-6-3:2007 ; EN-61000-6-1:2007 ; +A1-2011

UL US
LISTED
E238878

EPA
Est. Reg. No.
9980-CHN-1

UL US
E521171

CE

REACH
COMPLIANT

RoHS
compliant

Made in China

© 2022 Advanced Air