

RV-10 Rear Air Vent

Important Notice: This manual contains important information that may affect the safety of your aircraft. Read the Warranty / Agreement below. There is information in the Warranty / Agreement that may alter your decision to install this product. **If you do not accept the terms of the Warranty / Agreement, do not install this product.** The product may be returned for a refund if you do not accept the terms of the Limited Warranty / Agreement.

Aerosport Products is not liable or responsible for a builder's action or any situation that results in personal injury, property damage, missed commitments, lack of use of an aircraft or any expenses incurred due to: product failure, installation issues (leaks, obstructions, damage to aircraft or components, incorrect installation of any parts, wrong parts, parts that don't fit, etc.) or any other issues related to the installation or operation of this product. All of the above are solely the builder's and/or installer's responsibility. By installing this product, the aircraft owner/pilot and installer agree to hold Aerosport Products harmless and in no way responsible for monetary compensation, including punitive damages for any incident, harm and/or damage associated with this product (including but not limited to the ones listed above). If you do not agree to the above, **DO NOT INSTALL THIS PRODUCT.**

If you do not have the skills, knowledge, tools, equipment or facility, to perform and determine the installation of this product is safe, reliable and accurate and to determine this product is operating properly after installation, **DO NOT INSTALL THIS PRODUCT.** If the owner/pilot and/or installer are unwilling to take the responsibility for the installation and operation of this product, **DO NOT INSTALL THIS PRODUCT.** This product may be returned for a refund by contacting Aerosport Products. Shipping charges are not refundable.

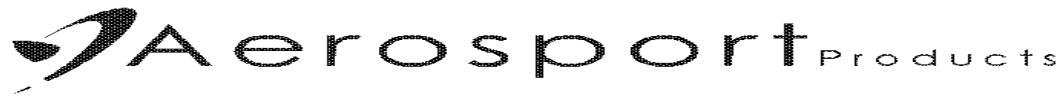
Before starting the installation, make sure that your planned installation will not interfere with the proper operation of any controls. The installer should use current aircraft standards and practices to install this product. Refer to AC 43.13-2A, Acceptable Methods, Techniques, and Practices - Aircraft Alterations and AC 43.13-1B, Acceptable Methods, Techniques, and Practices--Aircraft Inspection and Repair. The RV-10 Cowl Pin Covers are limited to use in experimental aircraft. Not approved for use in aircraft with FAA or foreign type certificates.

LIMITED WARRANTY / AGREEMENT Aerosport Products warrants its products to be free from defects in materials and workmanship for a period of one year after the retail invoice date. Aerosport Products will repair or replace any components under the terms of this Warranty provided the item is returned to Aerosport Products prepaid. This Warranty shall not apply to any unit or component that has been repaired or altered by any person other than Aerosport Products or that has been subjected to misuse, abuse, accident, , or improper or unprofessional installation by any person. THIS WARRANTY DOES NOT COVER ANY REIMBURSEMENT FOR ANYONE'S TIME FOR INSTALLATION, REMOVAL, ASSEMBLY OR REPAIR. Aerosport Products reserves the right to determine the reason or cause for warranty repair.

1. This Warranty does not extend to any aircraft or any other device to which the Aerosport Products system may be connected, attached, or used with in any way.

2. THE REMEDIES AVAILABLE TO THE PURCHASER ARE LIMITED TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE OF THE PRODUCT, AT THE SOLE DISCRETION OF AEROSPORT PRODUCTS. CONSEQUENTIAL DAMAGES, SUCH AS DAMAGE TO THE AIRCRAFT, ARE NOT COVERED, AND ARE EXCLUDED. DAMAGES FOR PHYSICAL INJURY TO PERSON OR PROPERTY ARE NOT COVERED, AND ARE EXCLUDED.

3. Aerosport Products is not liable for expenses incurred by the purchaser or installer due to Aerosport Products updates, modifications, improvements, upgrades, changes, notices or alterations to the product.



4. Aerosport Products is not responsible for shipping charges or damages incurred during Shipment, except for situations where the system fails away from the aircraft's home base and the pilot is unable to safely fly the aircraft, at which time Aerosport Products shall, at Aerosport Products' sole discretion, pay only one-way shipping charges to the purchaser (US 48 states only).

5. No one is authorized to assume any other or additional liability for Aerosport Products in connection with the sale of Aerosport Products units.

6. By purchasing these products from Aerosport Products, the Purchaser agrees that he/she will not copy, reverse engineer, modify use to make molds or otherwise attempt to use the purchased products design / functionality to develop a competing product

7. IF YOU DO NOT AGREE TO ACCEPT THE TERMS OF THIS AGREEMENT, YOU MAY RETURN THE PRODUCT FOR A FULL REFUND. IF YOU DO NOT AGREE TO ACCEPT THE TERMS OF THIS WARRANTY, **DO NOT INSTALL THE PRODUCT.**

8. This warranty is made only to the original purchaser and is not transferable. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR OBLIGATIONS, EXPRESS OR IMPLIED, ORAL OR WRITTEN. AEROSPORT PRODUCTS EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THE PURCHASER AGREES THAT IN NO EVENT SHALL AEROSPORT PRODUCTS BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING DAMAGES TO THE ENGINE OR AIRCRAFT, LOST PROFITS, LOSS OF USE, OR OTHER ECONOMIC LOSS. EXCEPT AS EXPRESSLY PROVIDED HEREIN, AEROSPORT PRODUCTS DISCLAIMS ALL OTHER LIABILITY TO THE PURCHASER OR ANY OTHER PERSON IN CONNECTION WITH THE USE OR PERFORMANCE OF AEROSPORT PRODUCTS UNITS, INCLUDING BUT NOT LIMITED TO STRICT PRODUCTS LIABILITY IN TORT.

What's included:

The carbon fiber center arm rest console is included. No mounting hardware is included.

What you need to supply:

Nutplates, screws, and rivets are not included because they may vary with each builder's installation and preferences. We will provide suggestions in the instructions, but each builder will need to determine the appropriate hardware for their installation per AC 43.13.

Installation Instructions

Step #1

Once you have the panels fit, it is time to cut the vent cover holes. On the back side of the panel you will see the cut out line. Cut these holes out to the inside of the lines. You want to make these holes fit the vent as snug as possible. The vent covers have tabs that will hold these in place and if the hole has too much cut away they will not snap in place as needed and then will need to be glued in permanently. See tabs in the photo to the right. There are 2 sets of tabs at different levels. The second level is for material thickness if you decided to cover your panels with leather or some other material.



Step #2

Install the vent slider arms. There is a right and left arm so make sure you install the correct one for its appropriate side. We will give the instructions for the left side/pilot side vent.

You will need to close the vent tight and tighten the nut up to make the vent stay closed.

Next align slider arm as in the below picture and drill thru the pre-drilled holes in the arm thru the vent arms.

NOTE: In the below picture we show a measurement of 2 1/8" distance but we recommend 2".

The drilled holes should be a tight clearance hole for a 4-40 screw.

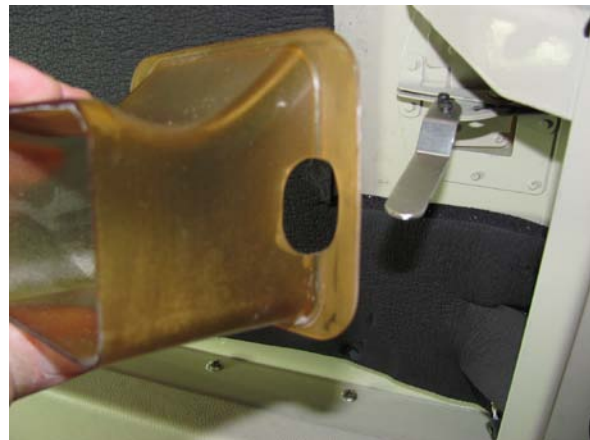


The photo below is how it should look from the bottom side of the slider vent lever.



Step #3

Cut a hole in the air deflector tube as shown in the picture below. Once again this is the left side deflector tube we are showing. The right side is a mirror of the left. This hole in the deflector tube is to clear the 10-32 screw and aircraft nut highlighted by the arrow in the previous picture.



Step #4



Test fit the panels with the vents installed. Carefully install the vent cover into your side panel and snap the panel edge over the snaps on the vent cover. Once complete carefully push the deflector tube over the vent cover. This is a tight fit so please be patient. You may need to sand the deflector tube a little bit to get the fit. Try to keep the deflector tube square to the vent cover when trying to fit everything together.

Install the panel in the airplane. You will need to angle the panel a little bit as shown in the photo to the right. Be patient here again and you will see how it works into place. You need to fit the vent area up into its place with the slider arm in its slot. Move the panel around and push the back into place.

Once in place make sure that the deflector tube does not try and push the vent out. It might be a little proud and putting some pressure on the vent cover and creating a slight bulge



If this happens you will need to trim the vent covers a little at a time to adjust for your aircraft.

Do not trim the deflector tube; trim the vent as shown to the right.

If you have any questions about your installation, please give us a call or send an email.