

## RV-10 Center Arm Rest Console

**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.

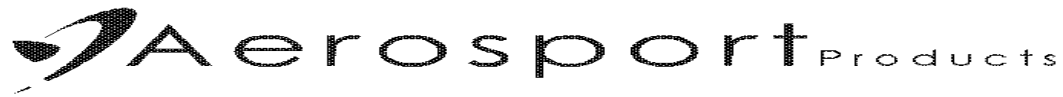
Before starting the installation, make sure that your planned installation will not interfere with the proper operation of any controls. The installer should use current aircraft standards and practices to install this product. Refer to AC 43.13-2A, Acceptable Methods, Techniques, and Practices - Aircraft 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.

**Note:** The arm rest cover may be removed and sent to an upholsterer to be finished with padding and a leather or cloth covering.

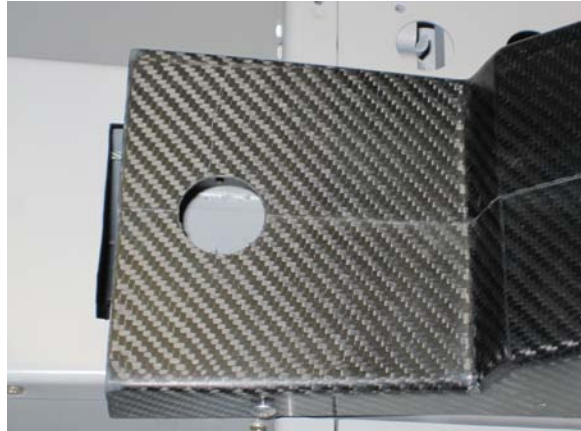
**Note:** Carbon fiber is electrically conductive. If you install headset jacks on the carbon fiber, you will need to ensure that the jacks are completely isolated.

## Installation Instructions

### Step #1

You will need to determine how you want to mate the carbon fiber center arm rest console with the lower console. There are two alternatives that will be shown in the document. There are most likely other alternatives that will work. You will need to determine which approach is most pleasing to you.

The first alternative is to cut off the forward flange on the center arm console. The flange was originally intended to go under the lower console of the instrument panel. We have found that most customers have cut this off flush.. If you are installing an Andair fuel valve, there can be no flange underneath the lower console panel. This will be discussed in more detail later in this document.

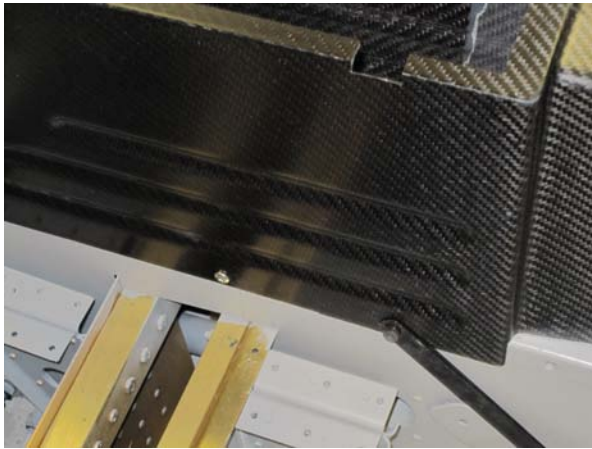


In the best of situations you are installing the lower console of the instrument panel and the center arm rest console at the same time. Once the flange is cut off, you will need to ensure that the lower console panel and the center arm rest console mate perfectly flush with each other. Align the top so that it smooth. Since there is a gap to slide carpet underneath each side there is some lateral movement. Just align both pieces so the gap is equal on both sides of the tunnel.

The other alternative is to install a rubber seal between the lower center console and the arm rest console. This will give you more flexibility in case you have difficulties aligning the two pieces as described above. Look for the black seal that is just in front of the fuel valve in the photo to the right. You may want to leave a small part of the flange for the seal to attach.



## Step #2



Using a strap duplicator, locate and drill the holes on the tunnel covers. A #19 strap duplicator works well, but you will want to enlarge the holes with a #12 drill bit afterwards. Also, you don't have to use every hole in the tunnel cover to mount the arm rest. It is recommended using at least four holes.

You may want to use a pan head screw, since the depth of the carbon fiber wall may not have enough material to counter sink appropriately. Also, you will need a longer screw than those that were supplied by Vans for the tunnel cover.

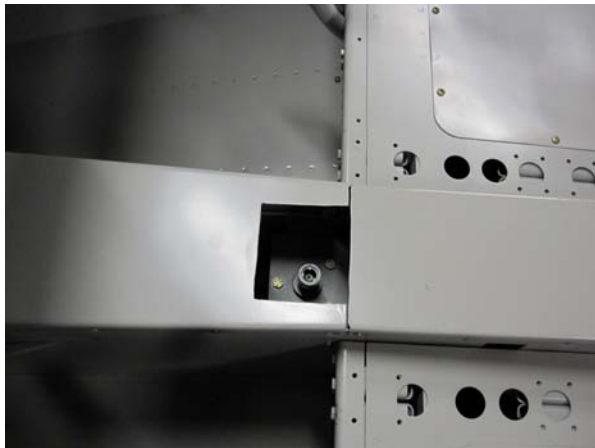
**If you have any questions about your installation, please give us a call or send an email.**

## Arm Rest – Headset/Mic/Oxygen Addendum

You can install headset and microphone jacks and/or oxygen jacks per your cockpit requirements. Just remember that carbon fiber is conductive, so everything needs to be electrically isolated.

## Andair Fuel Valve Addendum

If you are installing an Andair fuel valve you will need to do some additional tasks. You will want the fuel selector module to sit flush against the bottom of the arm rest console. This will require you to cut an opening in the tunnel cover to accommodate this. You can see an example in the photo to the right. Your hole may vary in exact location due to how and where your fuel valve is located. This particular fuel valve is in the new standard factory location. The Andair fuel valve in this location used about 3" of the extension tube.



Additionally, it is suggested that you may want to cut your tunnel cover into two pieces. This will allow greater convenience for performing conditional inspections. You can see in the photo to the left there is a natural break just at the front edge of the front seats. There are also two screws located close together so additional screw holes aren't required.

The last task is to cut the hole for the Andair valve in the arm rest console. Since the location will vary with the installation of your fuel valve, you will need to determine the precise center point for the hole. Align the bezel and drill the four holes.

