

## ***Door Hinge Capture Plate Install***

1- Install the door hinges to the doors according to Vans RV10 plans.



2- You may or may not have to shim between the hinge tongue and the fiberglass door. This doesn't affect the capture plate's holding ability because the depth of the slot that is cut into the capture plate is less than the thickness (several thousandths) of the hinge tongue.

3-When fitting the door to the cabin, you may need to fabricate a shim to go between the fiberglass door and the tongue of the hinge (as per Vans plans).

4- Once you are happy with the fit, put a release agent on the steel tongue of the hinge. We are talking a very light coat of grease or car wax or something like that. Remove any excess. You want the paint to stick to that area later. Don't be messy with the release agent. Very little is needed here.

5- Remove the Gray Gel Coat from the area where you will apply the epoxy. We like to use 80 grit. That will allow for a good mechanical adhesion of the epoxy to the plate. The plate is already glass beaded. You don't need to prepare it (unless you want to prime it).

6-Now mix up a small batch of West Epoxy (or similar) with some West Epoxy 406 Colloidal Silica to a peanut butter consistency. Apply it all around the plate trying not to cover the tongue area or cover up the screws. We like to use an acid brush as an applicator.

7-After the epoxy cures, remove the screws and the hinge. You now have created a nice slot for the hinge tongue to be inserted later. You can now completely cover over the hinge plate (don't get near the slot area) so that the McMaster Carr door seal can be used.

8-When you go to insert the hinge into the slot a second time, don't force the screws with a powered screwdriver. You will cross thread the plate. Instead, take a 10/32 tap and "clean" out the hole with the hinge in place. The screws will go in much easier.

9-When you put the door hinges on for the final time, put a few drops of Blue Locktite on each screw.



10.Done. Enjoy!