



Step 1: Install the F-1240 Upper Forward Fuselage Skin and F-1202D-R Panel Attach Strip if not already installed. See Section 29A.



Step 1: Machine countersink all the #27 holes on the copilot side of the F-00065 RV-12 Panel (Copilot) except for the four holes at the corners of the G3X cutout. See Figure 1.

Machine countersink all the #40 holes on the copilot side of the RV-12 panel (copilot). See Figure 1.

Step 2: Remove the hatched areas shown in Figure 2 from the F-00064 Stiffener Angle.

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FIGURE 1: PREPARING THE RV-12 PANEL (COPILOT) (PILOT SIDE SHOWN)





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NOTE: There is a hole in the F-1202B Panel Base flange that will be ignored. Do not match-drill this hole into the F-00063 Doubler. See Figure 4.

Step 1: Temporarily install the F-00063 Doubler onto the copilot side of the aft flange of the F-1202B Panel Base. Nutplates previously installed in the area occupied by the doubler will need to be removed. Double check using Figure 1 that the doubler is in the correct position. Mark the copilot side of the doubler for future reference.

Step 2: Match-Drill #27 and #40 all hole locations not found in the flange of the Panel Base. Note the two upper screw holes (found near the ears sticking up from the doubler) will make notches in the top edge of the panel base flange. See Figure 1.

Remove the doubler and deburr the holes made in the panel base.

Step 3: Machine countersink the rivet holes in the copilot side of the panel base flange.

Step 4: Machine countersink on the copilot side the four rivet holes that will attach the two nutplates common to only the doubler. These holes are found in the two ears that stick up from the part.

Machine countersink on the copilot side of the doubler, the holes that correspond to the dimpled holes in the aft flange of the panel base. See Figure 2.

Step 5: Rivet the two nutplates common to only the F-00063 Doubler using the hardware called out in Figure 3.

Step 6: Rivet the doubler and nutplates called out in Figure 3 to the firewall side of the aft flange of the F-1202B Panel Base.

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MATCH-DRILL #40,

MATCH-DRILL #27,

19PL

10PL

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FIGURE 1: MATCH-DRILLING HOLES FOR THE DOUBLER (COPILOT SIDE SHOWN)

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F-1202B

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0 0 0

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F-00063

Step 1: Install the GDU 465 MFD to the F-00065 RV-12 Panel (Copilot) using the screws called out in Figure 1.

Step 2: Cut the tie-wrap holding the 50-pin D-Sub labled "MFD" to the F-00055-R Support Bracket. Install the 50-pin D-Sub labled "MFD" to the receptacle on the forward face of the GDU 465. See Figure 2 and Figure 3.

NOTE: For instructions on installing and routing the Garmin XM Kit see Section 42N.

Step 3: Place a piece of masking tape over the upper left corner of the PFD. Close the canopy and check for interference between the canopy frame and the bezel of the PFD. If interference exists it is permissible to file away the canopy frame to remove the interference. Do not file through the wall thickness of the frame. If this much interference exists contact Van's Aircraft for further guidance.

Step 4: Install the passenger warning label from the F-1200 Interior Label Sheet in the approximate location shown in Figure 1.



CUT TIE-WRAP





FIGURE 3: INSTALLIN

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GDU 465 GDU 465 NG THE D-SUB "MFD" DATE: 02/21/18 REVISION: 2 RV-12 PAGE 43C-05	9	ک	Q		
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FIGURE 2: LOCATING THE D-SUB "MFD"

50-PIN D-SUB

"MFD"





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Step 1: Remove the 3 amp fuse from the slot in the AV50001 labled "EFIS" and replace with a 7.5 amp fuse.

Reflect this change with the F-12123A Fuse Holder by replacing the 3 amp fuse in the location labled EFIS with a 7.5 amp fuse. Use a permanent marker to change the value on the the fuse holder label at this location from "5" to "7.5". See Figure 1.

Step 2: Relocate the fuse holder to the underside of the F-1202B Panel Base using a new F-12123B Double Sided Velcro Tape as shown in Figure 2.



Step 3: Navigate to the Van's Aircraft web site downloads page. Download the G3X-PRE-SETS-READ-ME file. Open the READ-ME and follow the instructions for installing the latest settings to the G3X screens.

Step 4: Download the latest RV-12 overall Electrical Schematic from the Van's Aircraft web site.

kit some steps may not be applicable.

Step 5: In the RV-12 Maintenance Manual (MM) "INSTALLED EQUIPMENT LIST" table, add "G3X DUAL DISPLAY" to the "ITEM" column. On the same line add a checkmark to the "INSTALLED" column.

Enter 4.8 lb for "Weight", 57.6 in for "Location/Arm" and 276.43 in-lb "Moment" onto the same line as "G3X DUAL DISPLAY".

NOTE: Steps 6-8 on this page are only applicable if a final weight and balance as specified in the PAP has been completed.

Step 6: In the RV-12 Pilot Operating Handbook (POH) "YOUR AIRPLANE" table, enter the new total values for the arm, weight, and moment of the installed equipment.

Step 7: In the RV-12 POH "YOUR AIRPLANE" table, recalculate and enter new values for the Empty Weight, Empty Moment, and Empty Arm.

Step 8: Make an entry, as calculated in the previous step, on the WEIGHT AND BALANCE RECORD page of the RV-12 Maintenance Manual as follows:

As of this date: / / the following values represent current Weight and Balance calculations resulting from the installation of the G3X Dual Display Optional Kit.

Revised Empty Weight: lbs Revised Empty Moment: _____ in-lbs Revised Empty Arm: in

NOTE: The remaining steps on this page are only applicable for aircraft which have passed a final airworthiness inspection.

Step 9 (ELSA): Make an appropriate entry in the airframe logbook. See example below:

Installed the G3X DUAL DISPLAY option in a ccordance with Van's Aircraft KAI Section 43C and confirmed proper operation.

Signature Certificate #

Step 9 (SLSA): Complete the notification N 16-07-27 (available from the Van's Aircraft web site) corresponding to the G3X DUAL DISPLAY installation.

Step 10: Section complete.

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NOTE: Any weight and balance information recorded for the aircraft must be updated. Depending on the state of your

Signed:

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