# **SECTION 43B:** SKYVIEW **DUAL SCREEN**



F-00024 DUAL SV INST PANEL RIGHT

SV-D1000 OR SV-D1000T (102169-002) SKYVIEW 10" DISPLAY

F-00024-1

SV-HDX1100 DISPLAY

DUAL HDX1100 INST PANEL RIGHT



## VAN'S AIRCRAFT, INC.

WARNING: Installation requires both SkyView screens to be Dynon serial number 6000 or higher. Older screens draw more power than the later ones, and may (Van's has not conducted testing) draw more power which can shorten the service life of the Rotax voltage regulator.

NOTE: PFD is the Primary Flight Display located in front of the pilot. MFD stands for Multi Function Display and is located in front of the co-pilot. CMH stands for Control Module Harness.

Step 1: Check that the voltage regulator as been moved to the position aft of the firewall per the instructions in Section 46.

Step 2: Remove the SkyView EFIS screen from the left hand instrument panel. Remove the right instrument panel and mapbox. See Section 29A and Figure 1 for reference. Save the screws for attaching the new instrument panel.

Step 3: Connect the 37-pin d-sub labeled "CMH" on the WH-00054 SkyView Dual Screen Harness to the 37-pin d-sub connector labeled "SVD1000" on the WH-00020(-1) SkyView SV-D1000 Harness (that formerly connected to the back of the PFD). See Figure 2.

Step 4: Route the dual screen harness around the back of the COM radio tray to the right side of the aircraft.

Step 5: Place one of the WH-00106 SV Dual Screen Data Harness 9-pin d-subs labeled "SV-NET" next to the SkyView SV-D1000 harness 9-pin d-sub labeled "SVD1000". Route the remaining harness around the back of the COM radio tray to the right side of the aircraft.

Step 6: Tie-wrap all the wires going to the back of the PFD together to make a service loop. See Figure 2.

Step 7: Remove a snap bushing in each bracket supporting the aft end of the COM radio tray. Route both dual screen harnesses through the snap bushings. Re-install the snap bushings. See Figure 2 and Page 43B-04 Figure 3.

**SNAP BUSHING** 



FIGURE 1: REMOVE EFIS SCREEN AND MAPBOX





PAGE: 43B-02 RV-12 REVISION: 0 DATE: 11/17/14



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Step 1: Trim the F-00011 SkyView Template as shown in Figure 1 to remove interference between the template and pre-installed components.

Step 2: Position the template so that the MFD USB cutout will mirror the existing PFD USB cutout about the aircraft centerline. See Figure 1 and Section 42C.

Step 3: Match-Drill #40 then cleco both attach holes in the template into the F-1202B Panel Base.

Match-Drill #40 the remaining holes in the perimeter of the MFD USB cutout. See Figure 2.

Step 4: Use a Dremel and file to finish the MFD USB cutout.

Step 5: Final-Drill #30 both attach holes. See Figure 2.



THE DRILL TEMPLATE



Step 6: Install the USB connector using the hardware called out in Figure 3.

<u>Step 7:</u> Tie-wrap the dual screen harnesses together in two or three locations as shown in Figure 3.



MS35206-215 2X -

FIGURE 3: INSTALLING THE USB CONNECTOR

### SNAP BUSHING

WH-00106



	DATE: 10/15/14	REVISION: ()	RV-12	PAGE:43B-05
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PAGE:43B-06 RV-12 REVISION: 0 DATE: 10/15/14



Step 1: Remove the fuse from the slot in the AV-50001 Power & Switch Module labeled "EFIS" and replace it with a 7.5 amp fuse.

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

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

F-1202B

FIGURE 2: INSTALLING FUSE HOLDER ASSEMBLY TO UNDERSIDE OF PANEL BASE (SPARE FUSES NOT SHOWN)

Step 3: Check that the Avionics Switch is off. Turn on the Master Switch. Only the PFD should turn on. Turn the Avionics Switch and check that the MFD boots and if so proceed to the next page.

If both screens come on together proceed to Step 4.

Step 4: If both the PFD and MFD power on together when the Master Switch is turned on and the Avionics Switch is off, then your aircraft needs to have an update incorporated into the WH-00031 Switch Module Harness. Remove the switch module harness from the back of the AV-50001 Power & Switch Module. See Figure 3 and Figure 4.

Remove the backshell from the connector.

Move the wire in pin location 10 to location 3. See Figure 3.

Re-install the backshell, then re-attach the connector to the back of the AV-50001 Power & Switch Module.



F-12123A

AV-50001 WH-00031 25-PIN D-SUB "SWITCHES" 0 FIGURE 4: SWITCH HARNESS



DATE: 11/17/14 REVISION: 0 RV-12 PAGE:43B-07



PAGE: 43B-08 RV-12 REVISION: 3 DATE: 02-21-18

Signed: