SECTION 62:
GARMIN MAGNETOMETER
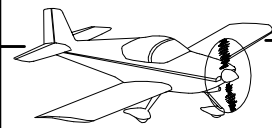
GMU 22

DO NOT EXPOSE TO STRONG MAGNETIC FIELD

FORWARD
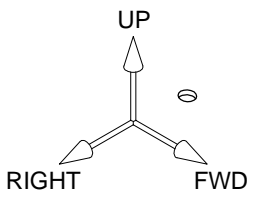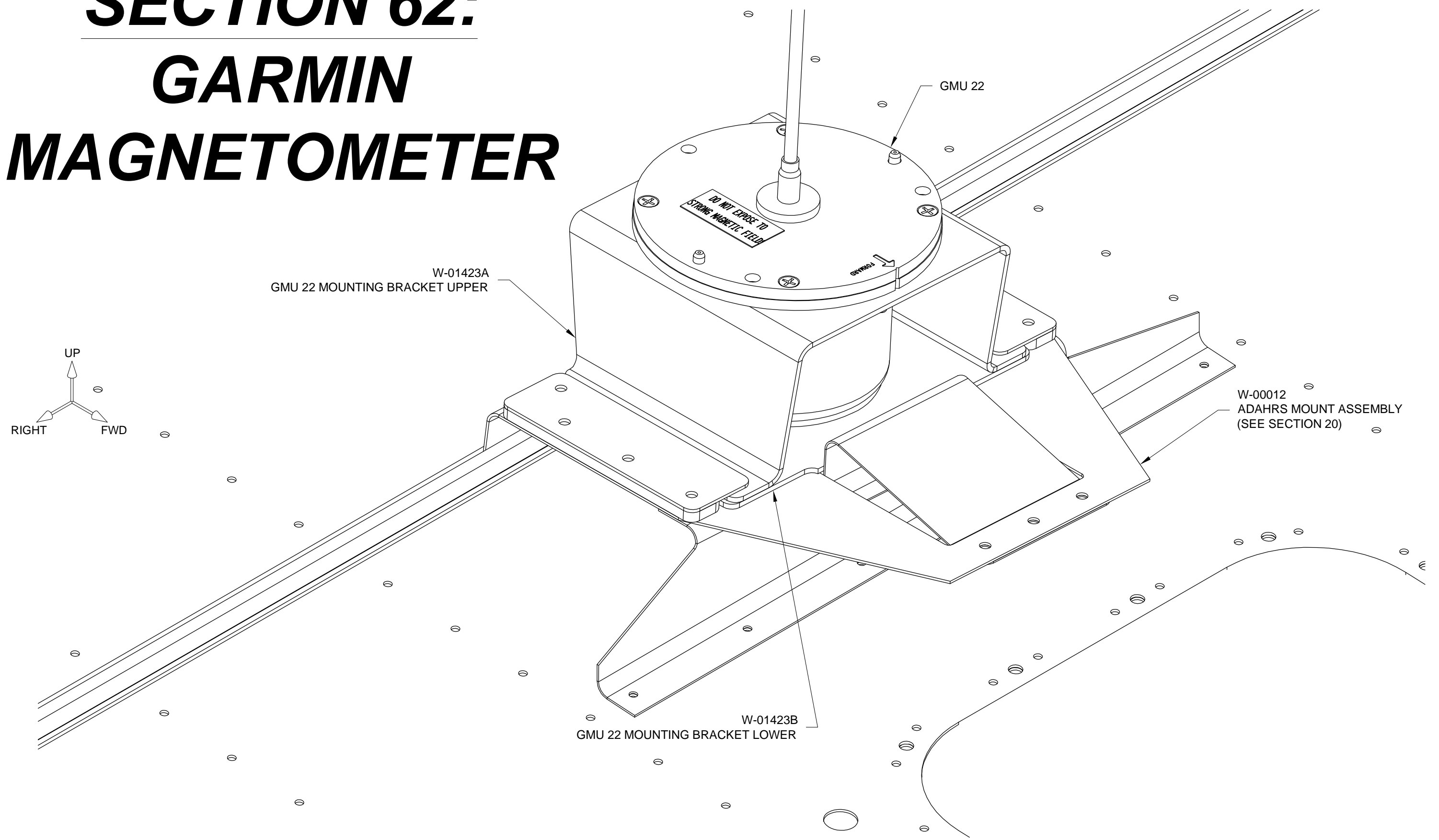
W-01423A
GMU 22 MOUNTING BRACKET UPPER

W-00012
ADAHRS MOUNT ASSEMBLY
(SEE SECTION 20)

UP

RIGHT   FWD

W-01423B
GMU 22 MOUNTING BRACKET LOWER

WARNING: Before installation review the latest version of the WH-00125 Common Fuselage Wiring Harness on the Van's Aircraft Web Site. The Nav/Strobe and Landing Light should be grounded to the fuselage, not wing structure. Failing to ground lighting units properly may result in magnetometer errors!
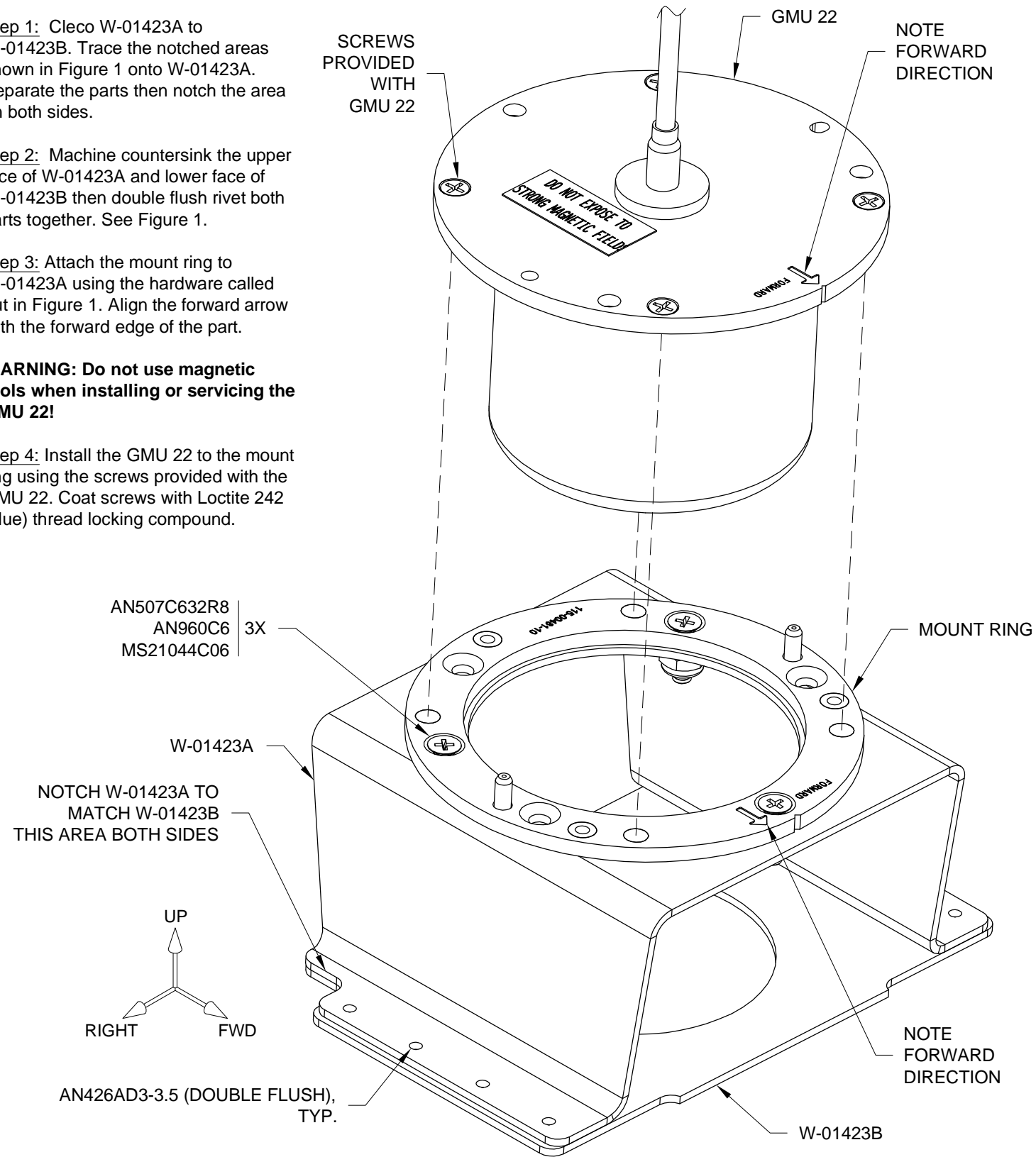
Step 1: Cleco W-01423A to W-01423B. Trace the notched areas shown in Figure 1 onto W-01423A. Separate the parts then notch the area on both sides.

Step 2: Machine countersink the upper face of W-01423A and lower face of W-01423B then double flush rivet both parts together. See Figure 1.

Step 3: Attach the mount ring to W-01423A using the hardware called out in Figure 1. Align the forward arrow with the forward edge of the part.

WARNING: Do not use magnetic tools when installing or servicing the GMU 22!

Step 4: Install the GMU 22 to the mount ring using the screws provided with the GMU 22. Coat screws with Loctite 242 (blue) thread locking compound.

Step 5: Depress the tab and insert the Mount Bracket Assembly into the W-00012. Make sure to orient the GMU pointing forward. The unit is fully installed when the spring loaded retaining clip of the wing mounted bracket is resting against the bottom front plate of the GMU 22 mounting rack. See Figure 2.

Check for a loose fit. Add UHMW tape to the upper flange of W-01423A to remove any loose fit.

Step 6: Connect wires from the wiring harness included in the Wing Kit to the round CPC connector supplied with the GMU 22. See the WH-00125 drawing available on the downloads page of the Van's Aircraft Web Site for pin out information.

Step 7: Connect the CPC connector on the GMU 22 to the connector coming from the wing wiring harness. Perform the test required in the G3X setup menu with the Nav/Strobe and Landing Light on and off individually and at the same time.

FIGURE 1: MOUNT BRACKET ASSEMBLY
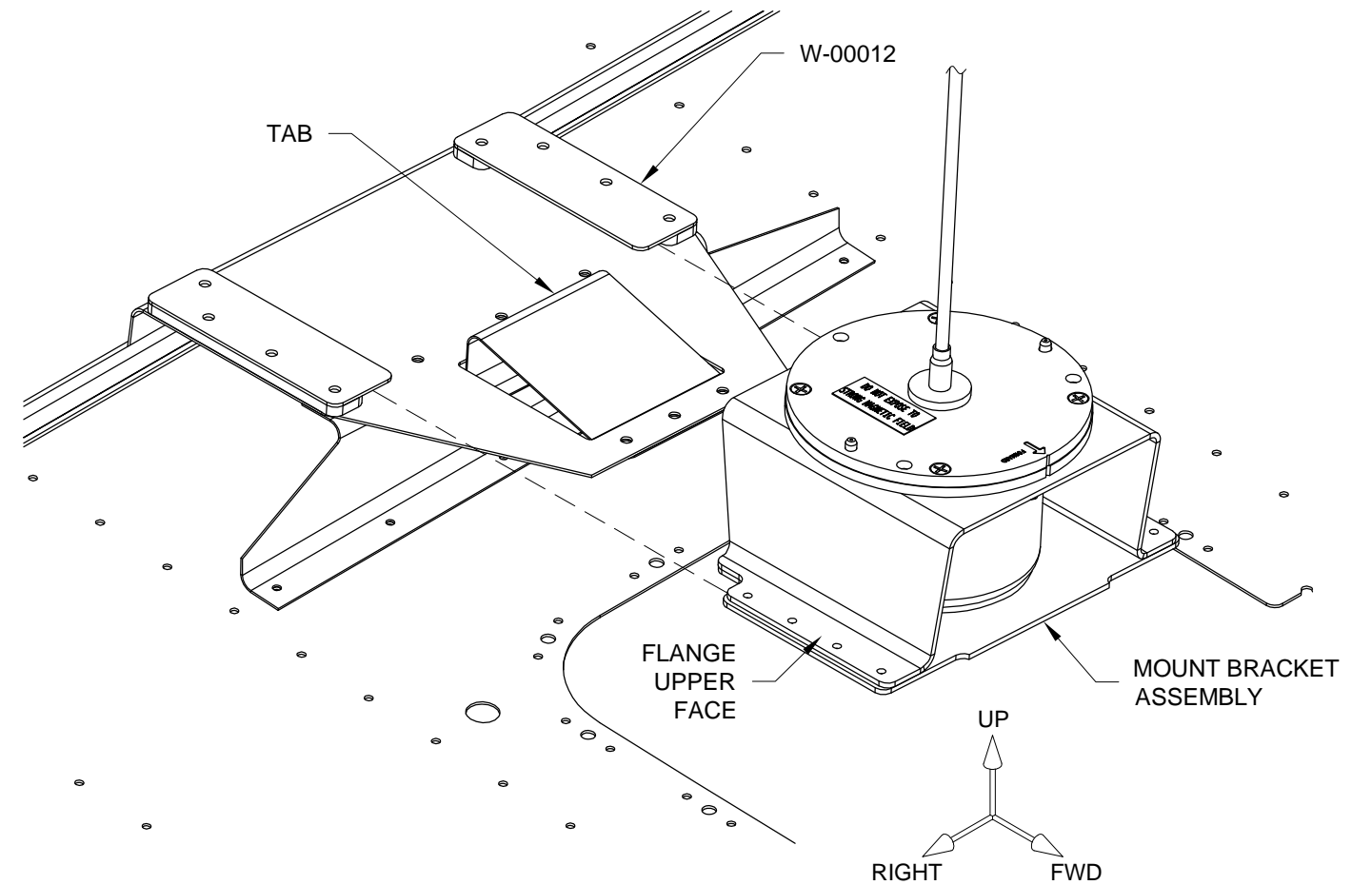
FIGURE 2: INSTALLATION INTO WING