SECTION 42H: GTR225 COM RADIO

F-00056-R
INST STACK ANGLE GTR225

F-00058-1
RV-12 GTR225
CENTER PANEL

AV GARMIN GTR225
COM RADIO

AV GARMIN GTR225
TRAY

F-00056-L
INST STACK ANGLE GTR225

AV-50001
POWER & SWITCH MODULE

F-00057-L
SUPPORT
BRACKET
GTR225

F-1202B
PANEL BASE
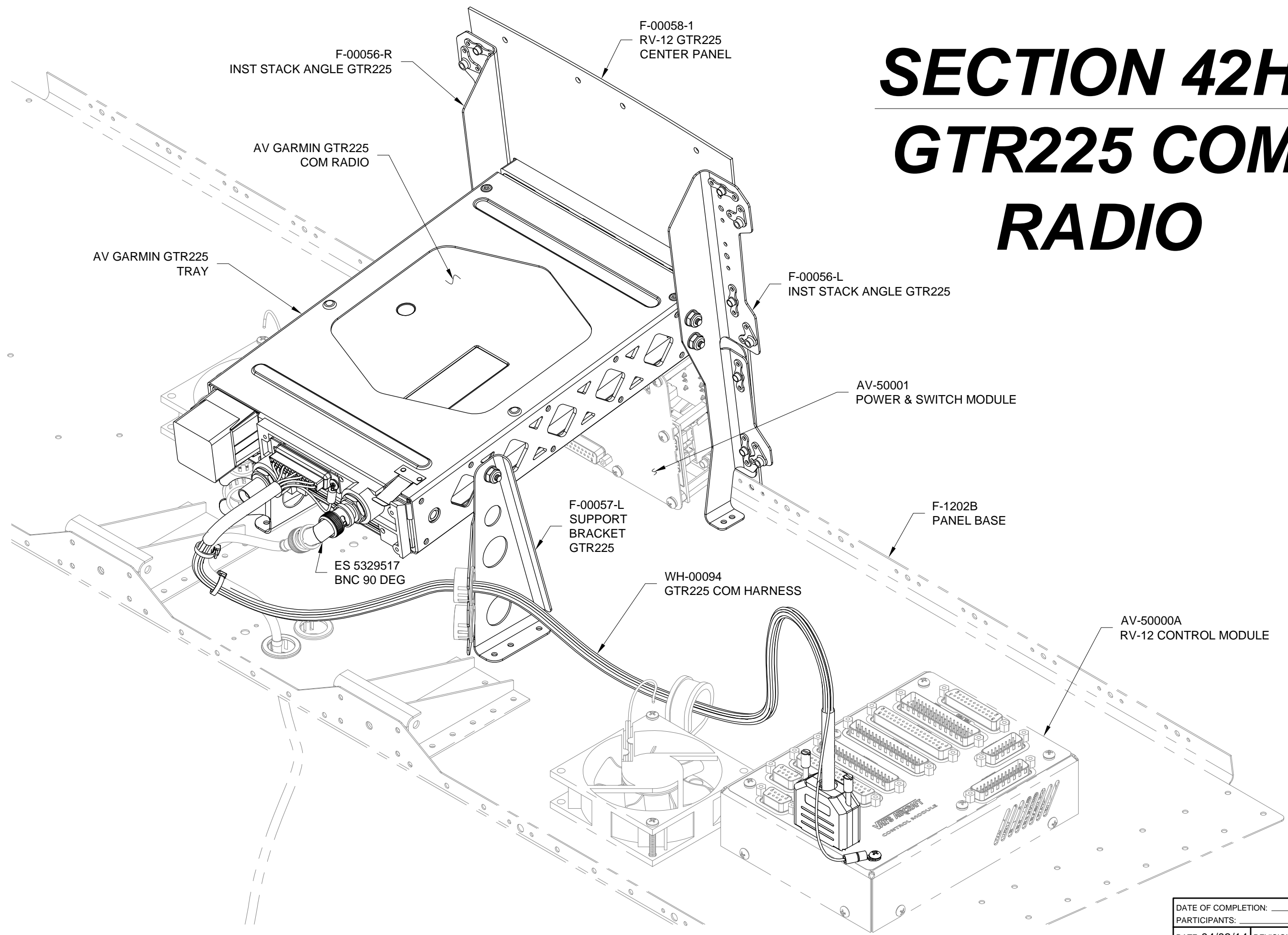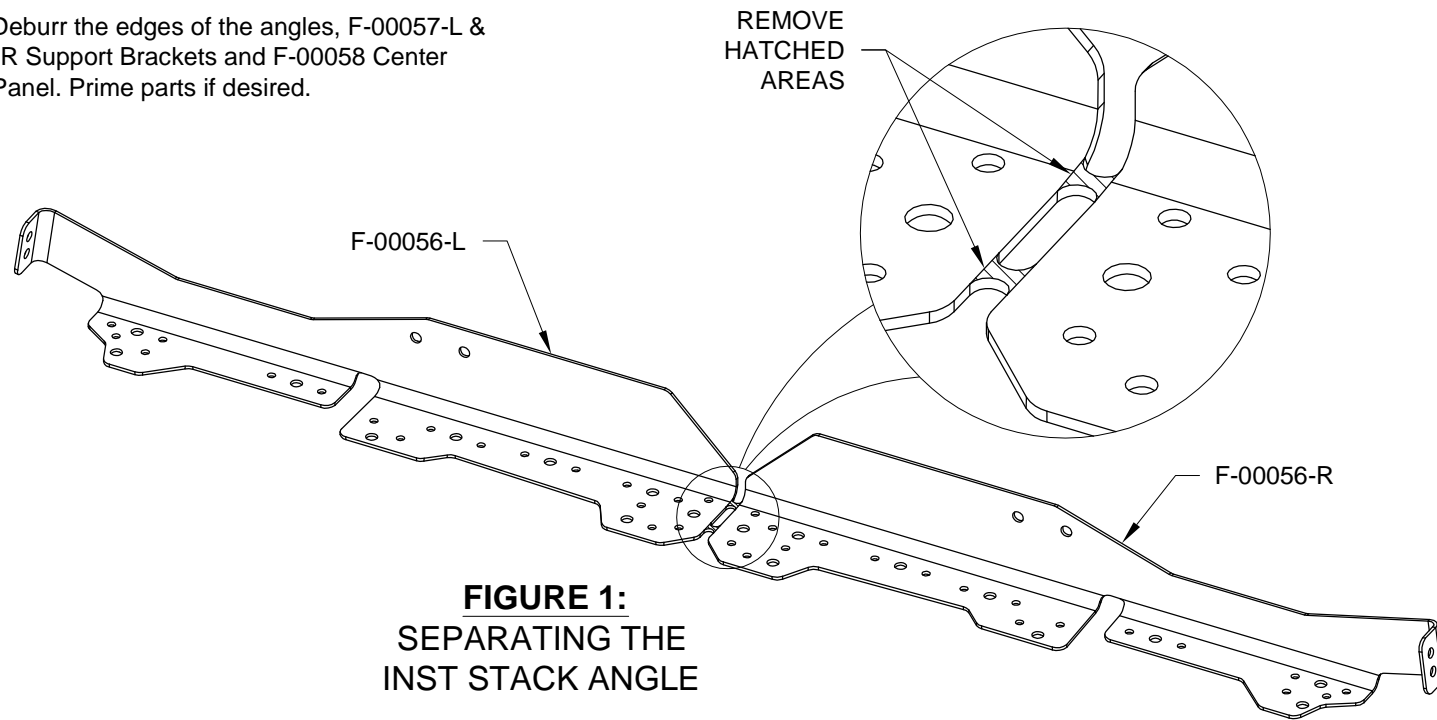
ES 5329517
BNC 90 DEG

WH-00094
GTR225 COM HARNESS

AV-50000A
RV-12 CONTROL MODULE

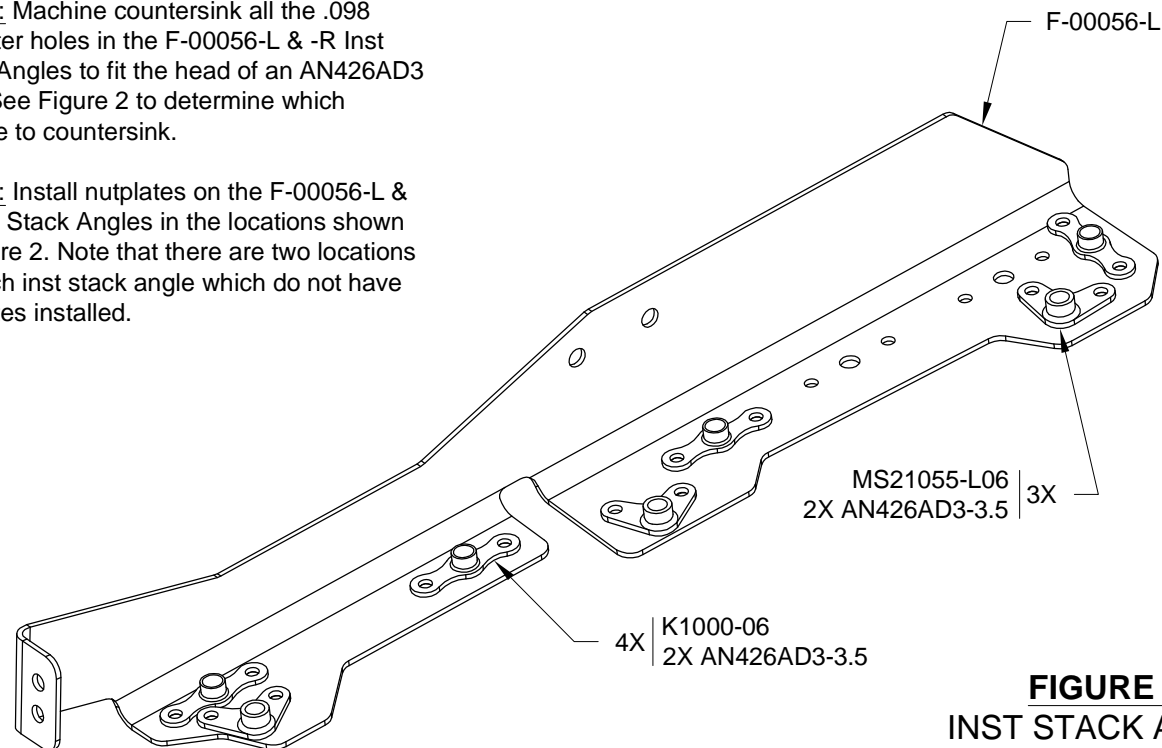Step 1: Separate the F-00056 Inst Stack Angle GTR225 into F-00056-L & -R Inst Stack Angles as shown in Figure 1.

Deburr the edges of the angles, F-00057-L & -R Support Brackets and F-00058 Center Panel. Prime parts if desired.

REMOVE HATCHED AREAS

F-00056-L

F-00056-R

FIGURE 1:
SEPARATING THE
INST STACK ANGLE

Step 2: Machine countersink all the .098 diameter holes in the F-00056-L & -R Inst Stack Angles to fit the head of an AN426AD3 rivet. See Figure 2 to determine which surface to countersink.

Step 3: Install nutplates on the F-00056-L & -R Inst Stack Angles in the locations shown in Figure 2. Note that there are two locations on each inst stack angle which do not have nutplates installed.

F-00056-L

MS21055-L06
2X AN426AD3-3.5 | 3X

K1000-06
4X | 2X AN426AD3-3.5

FIGURE 2:
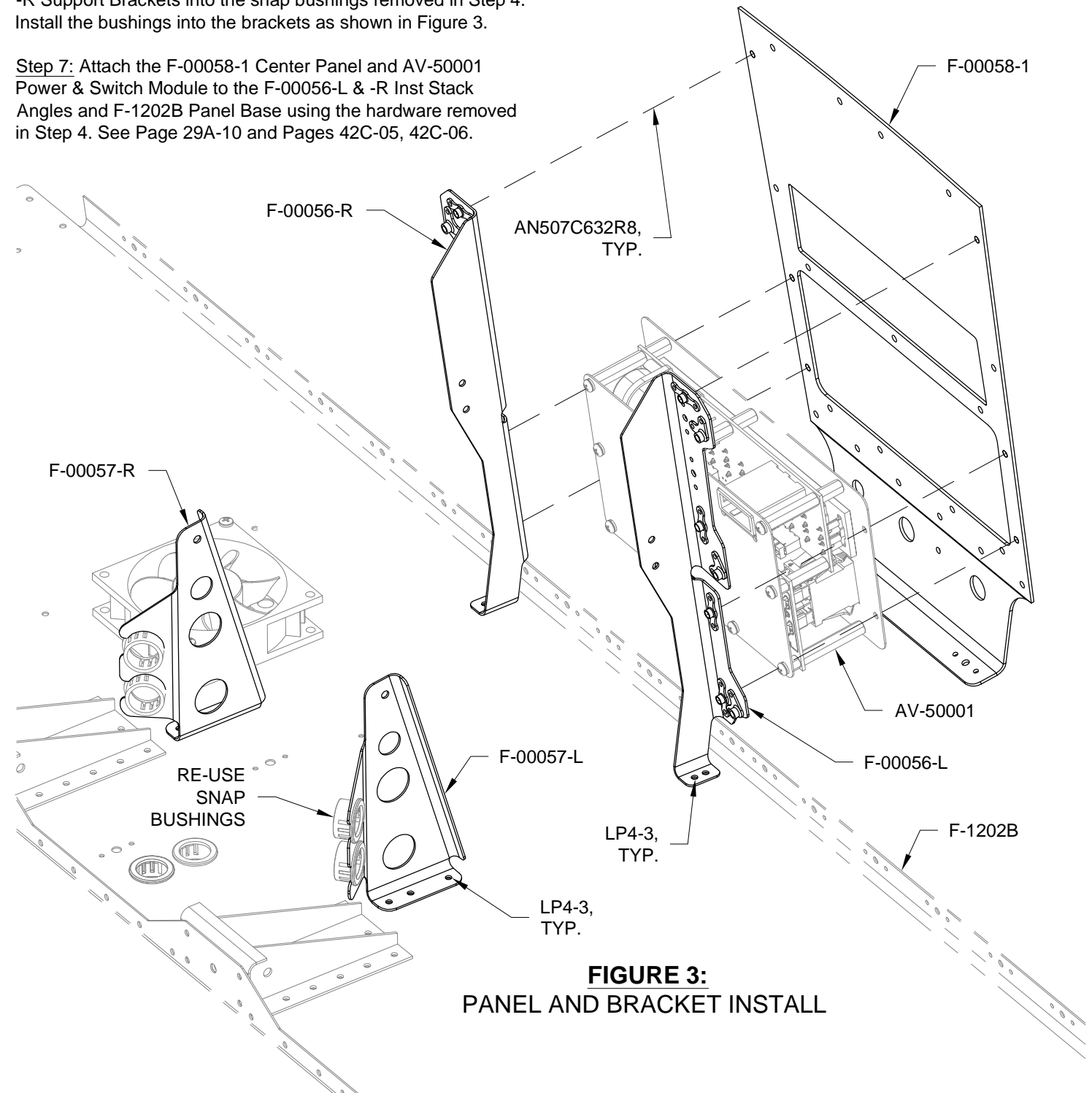INST STACK ANGLE
NUTPLATE INSTALLATION

Step 4: Carefully remove parts that are installed in the location of the F-00056-L & -R Inst Stack Angles and F-00057-L & -R Support Brackets. Save and re-use the snap bushings installed in the support brackets.

Remove the center panel installed in the location of the F-00058-1 Center Panel. Save and re-use the hardware used to attach the panel.
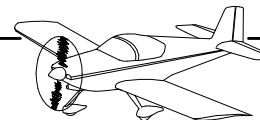
Step 5: Rivet the F-00056-L & -R Inst Stack Angles and F-00057-L & -R Support Brackets to the F-1202B Panel Base using the hardware called out in Figure 3.

Step 6: Add wires and the pitot line passing by the F-00057-L & -R Support Brackets into the snap bushings removed in Step 4. Install the bushings into the brackets as shown in Figure 3.

Step 7: Attach the F-00058-1 Center Panel and AV-50001 Power & Switch Module to the F-00056-L & -R Inst Stack Angles and F-1202B Panel Base using the hardware removed in Step 4. See Page 29A-10 and Pages 42C-05, 42C-06.

F-00058-1

F-00056-R

AN507C632R8,
TYP.

F-00057-R

RE-USE
SNAP
BUSHINGS

F-00057-L

AV-50001

F-00056-L

LP4-3,
TYP.

LP4-3,
TYP.

F-1202B

FIGURE 3:
PANEL AND BRACKET INSTALL

Step 1: Attach the AV GARMIN GTR225 Tray to the F-00056-L & -R Inst Stack Angles and F-00057-L & -R Support Brackets using the hardware called out in Figure 1.

Step 2: Attach the ES 5329517 BNC 90 Deg to the back of the AV GARMIN GTR225 Tray's upper outboard most BNC connector.

Step 3: Attach the WH-00051-1 Com Antenna Cable to the ES 5329517 BNC 90 Deg.

Tie-wrap the WH-00094 GTR225 Com Harness to the com antenna cable in two locations to provide strain relief for the harness wires coming out of the back of the d-sub connection at the tray.
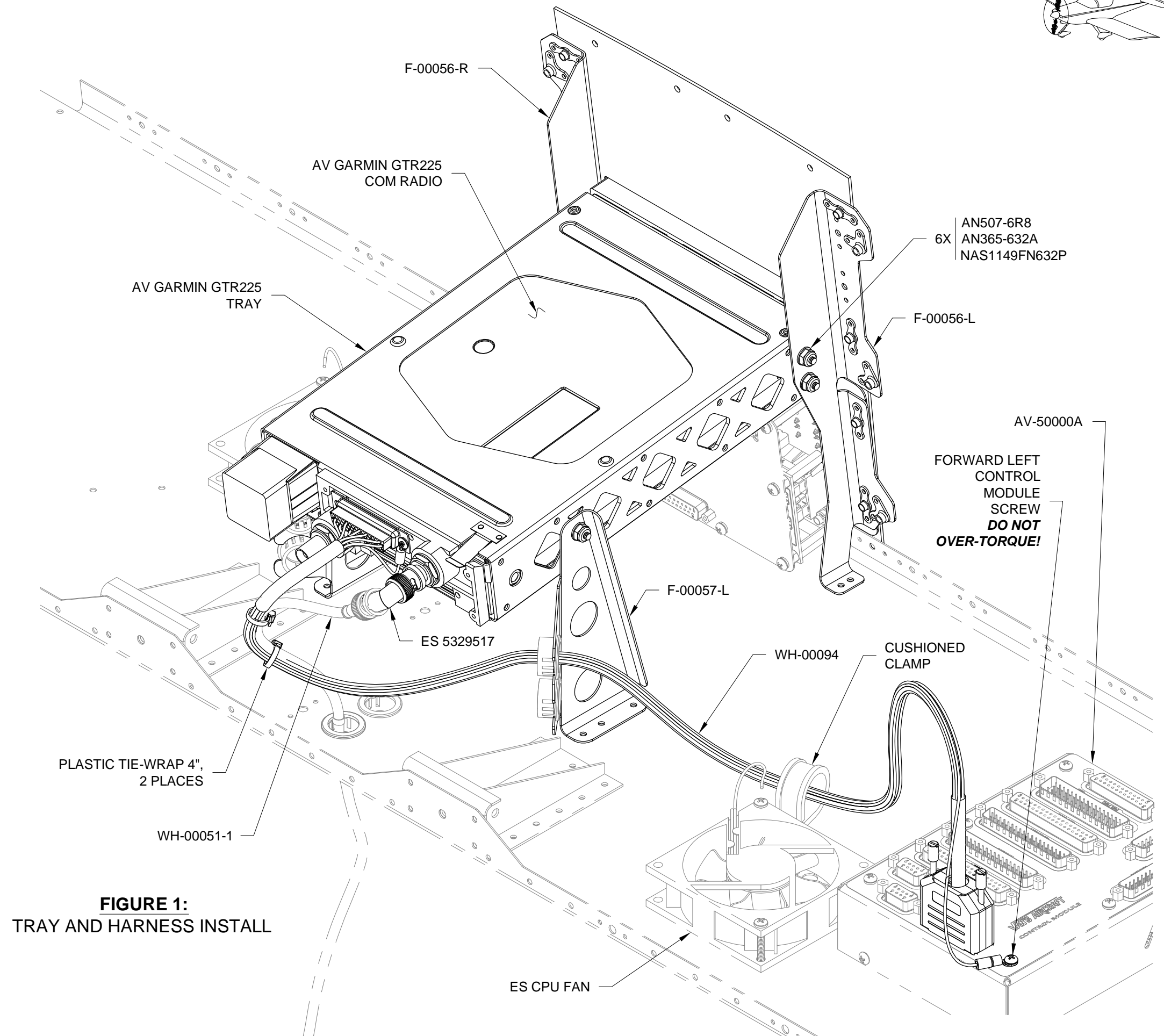
Step 4: Route the WH-00094 GTR225 Com Harness through a snap bushing in the F-00057-L Support Bracket and through the Cushioned Clamp near the left ES CPU FAN.

Connect the harness backshell labeled 'NAV/COM' to the AV-50000A RV-12 Control Module.

Remove the screw and washer shown in Figure 1 from the forward left corner of the control module.

Insert the ring terminal coming from the harness over the screw then the washer. Re-install the screw, ring terminal and washer into the control module. Do not over-torque the screw.

Step 5: Install the AV GARMIN GTR225 Com Radio into the tray per the instructions provided with the com radio.

F-00056-R

AV GARMIN GTR225 COM RADIO

AV GARMIN GTR225 TRAY

6X | AN507-6R8
AN365-632A
NAS1149FN632P

F-00056-L

AV-50000A

FORWARD LEFT CONTROL MODULE SCREW
DO NOT OVER-TORQUE!

F-00057-L

ES 5329517

WH-00094

CUSHIONED CLAMP

PLASTIC TIE-WRAP 4", 2 PLACES

WH-00051-1

FIGURE 1:
TRAY AND HARNESS INSTALL

ES CPU FAN

Step 1: Install a ES-00207 Lighted 7.5 Amp Blade Fuse into the "COM" position of the AV-50001 Power & Switch Module.

Install a second fuse of the same type into the fuse holder. Mark out the previous value on the fuse holder label if different than 7.5 amps and re-write the value to "7.5".