

Step 1: Cut to length four F-01241 (UHMW plastic bar) as shown in Figure 1. 7 1/8 [181 mm] [25.4 mm] FIGURE 1: **CUTTING FUEL TANK PADS**

Step 2: Align two each F-01241 to F-01224-L-1 and F-01224-R-1 as shown in Figure 2.

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Match-Drill #30 F-01241 using F-01224-L-1 and F-01224-R-1 as guides. Mark for reassembly.

"Over" machine countersink #30 all the holes in each F-01241 for CS4 rivets to prevent the rivet head from abrading the tank skin.

Step 3: Use a step drill to enlarge the #30 hole to 5/8 in F-01224-R-1 per the call-out.

Step 4: Dimple the #30 and #40 holes in F-01224-L-1 & -R-1 along the edges bordered by the dashed lines and around the access holes. See Figure 2.

Dimple #30 the two holes in each F-01224-L-1 & -R-1 enclosed in dashed-line boxes.

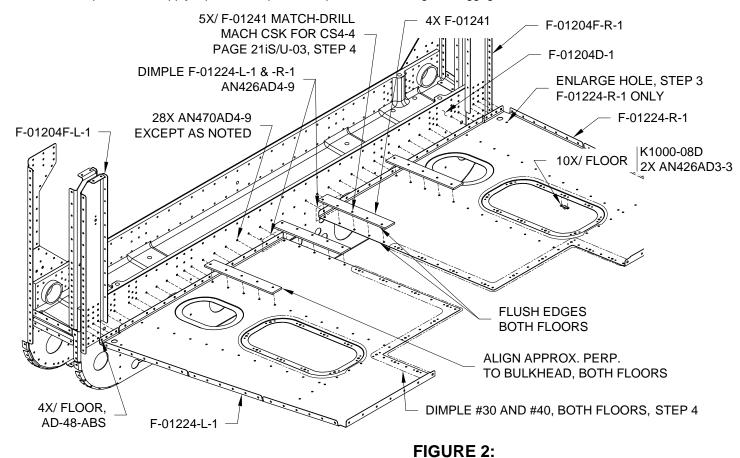
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Step 5: Rivet nutplates around the access holes of F-01224-R-1 & -L-1.

Step 6: Rivet F-01224-L-1 & -R-1 to F-01204D-1 and F-01204F-L-1 & -R-1 using the rivets called out in Figure 2. Use two thin flush sets in a hand squeezer and apply tape to the squeezer to prevent scratching the baggage floors.



RIVETING BAGGAGE FLOORS

5X AN426AD3-3 the holes in F-12107A. See - 3X | K1000-08 2X AN426AD3-3.5 Figure 3. F-12107A Step 8: Rivet together the three parts including nutplates as shown in Figure 3. K1000-08 2X AN426AD3-3 F-12107B 2X LP4-3 F-12107C

Step 7: Machine countersink #40

FIGURE 3: RIVETING ELT BRACKET ASSEMBLY

Step 9: Cleco together then rivet the ELT Bracket Assembly to F-01223-R-1 and F-01222-R-1 as shown in Figure 4.

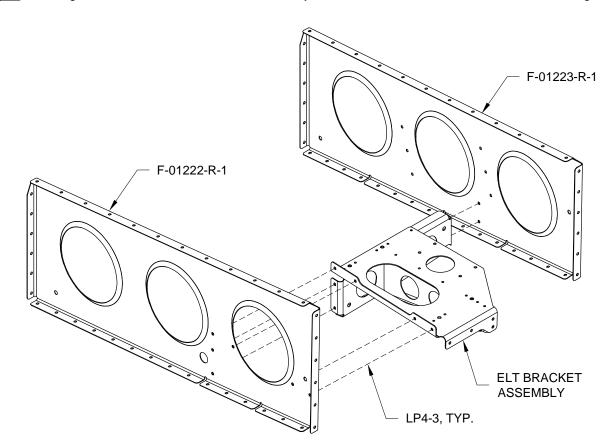


FIGURE 4: RIVETING ELT BRACKET/ BAGGAGE RIBS

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Step 1: Machine countersink #30 two F-1206D for the flush rivets called out in Figure 1.

Rivet together two Bearing Bracket Assemblies per the Figure 1 call-outs.

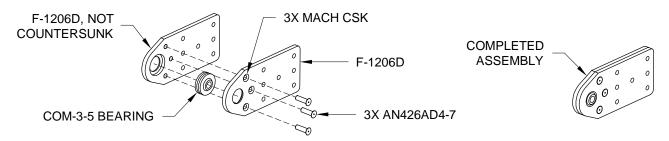


FIGURE 1: RIVETING BEARING BRACKET ASSEMBLIES

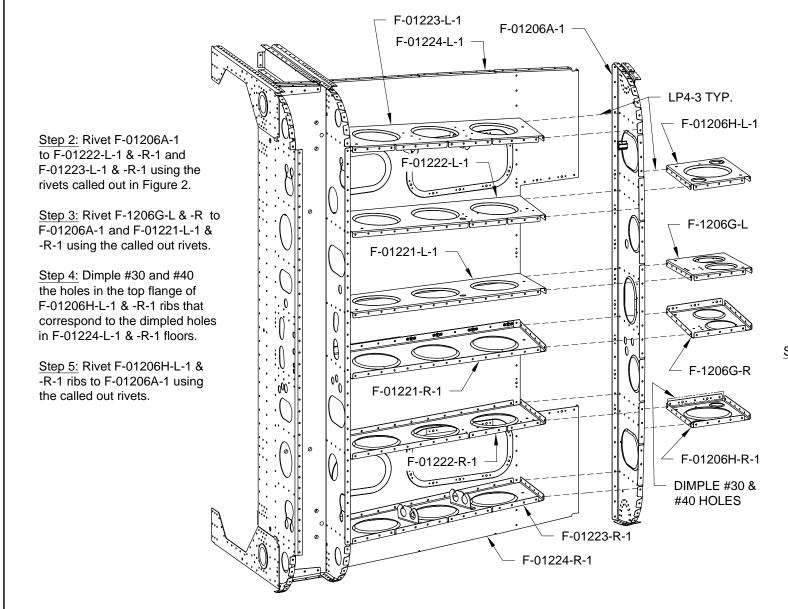


FIGURE 2: RIVETING F-01206A-1, F-1206G-L & -R, & F-01206H-L-1 & -R-1

Step 6: Rivet F-01224-L-1 & -R-1 to F-01206A-1 and F-01206H-L-1 & -R-1 using the rivets called out in Figure 3.

Step 7: Rivet the called out nutplates to F-01206A-1, F-01206H-L-1 & -R-1, and F-01224-L-1 & -R-1.

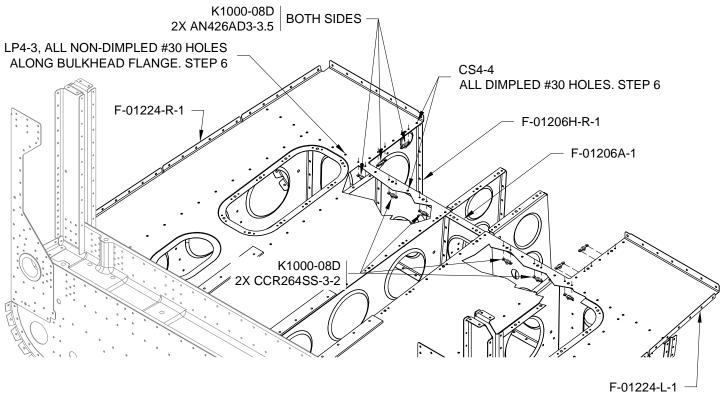


FIGURE 3: RIVETING NUTPLATES TO F-01224-L-1 & F-01224-R-1

Step 8: Trim off the top shaded portion of F-1206J angle, then cut the part in half. See Figure 4.

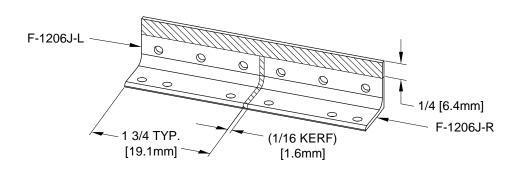


FIGURE 4: SEPARATING AND TRIMMING F-1206J

<u>Step 1:</u> Dimple #40 one set of nutplate attach holes in F-01206F-2 and in the nutplate itself.

DO NOT install the nutplate now. See Figure 1.

Step 2: Rivet F-01206F-2 to F-1206J-L & -R.

Step 3: Rivet F-01206F-2 to F-01206A-1. Install the rivets from

Step 4: Rivet the Bearing Bracket Assemblies to F-1206G-L & -R and to F-1206J-L & -R using the rivets called out in Figure 1. Place the flush, manufactured heads of the rivets in the Bearing Bracket Assemblies against the web of F-1206G-L & -R.

Step 5: Rivet the nutplate from Step 1 to F-01206A-1 at this time.

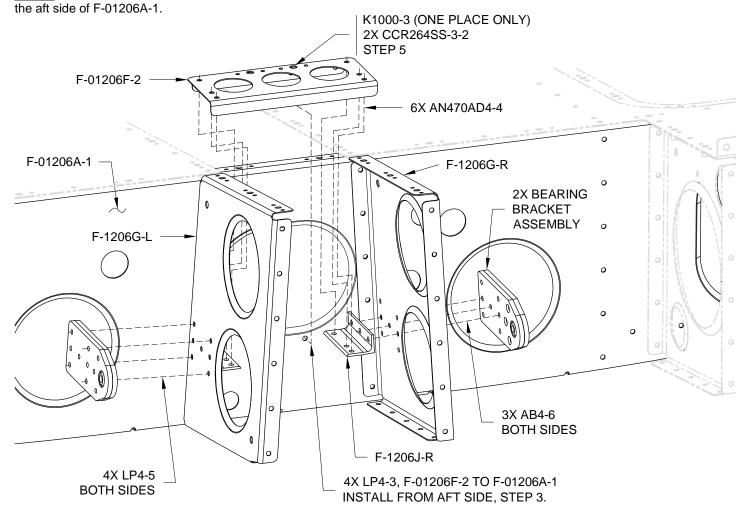


FIGURE 1: RIVETING F-01206F-2

<u>Step 6:</u> Separate F-1250 by removing the hatched areas shown in Figure 2.

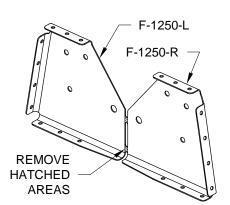


FIGURE 2: SEPARATING F-1250

Step 7: Rivet F-1250-L & -R to F-1220A and F-1220B using the rivets called out in Figure 3. Set aside for now.

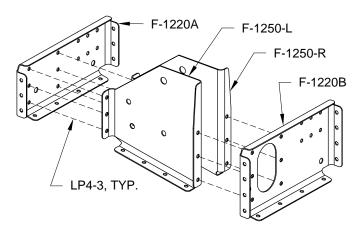
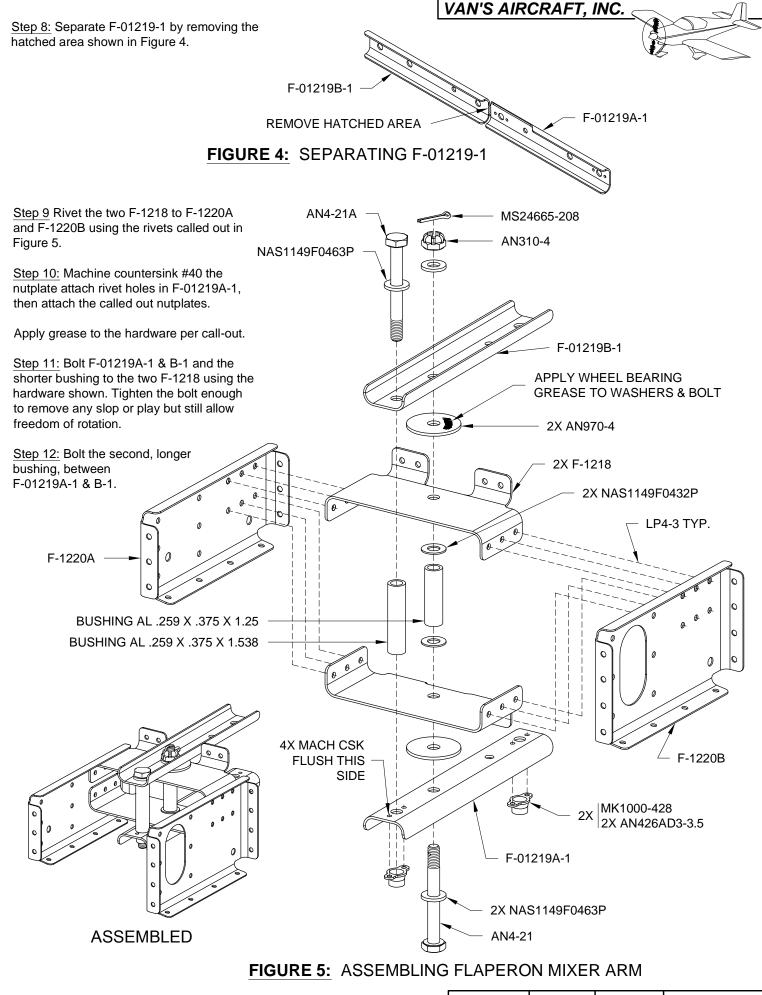
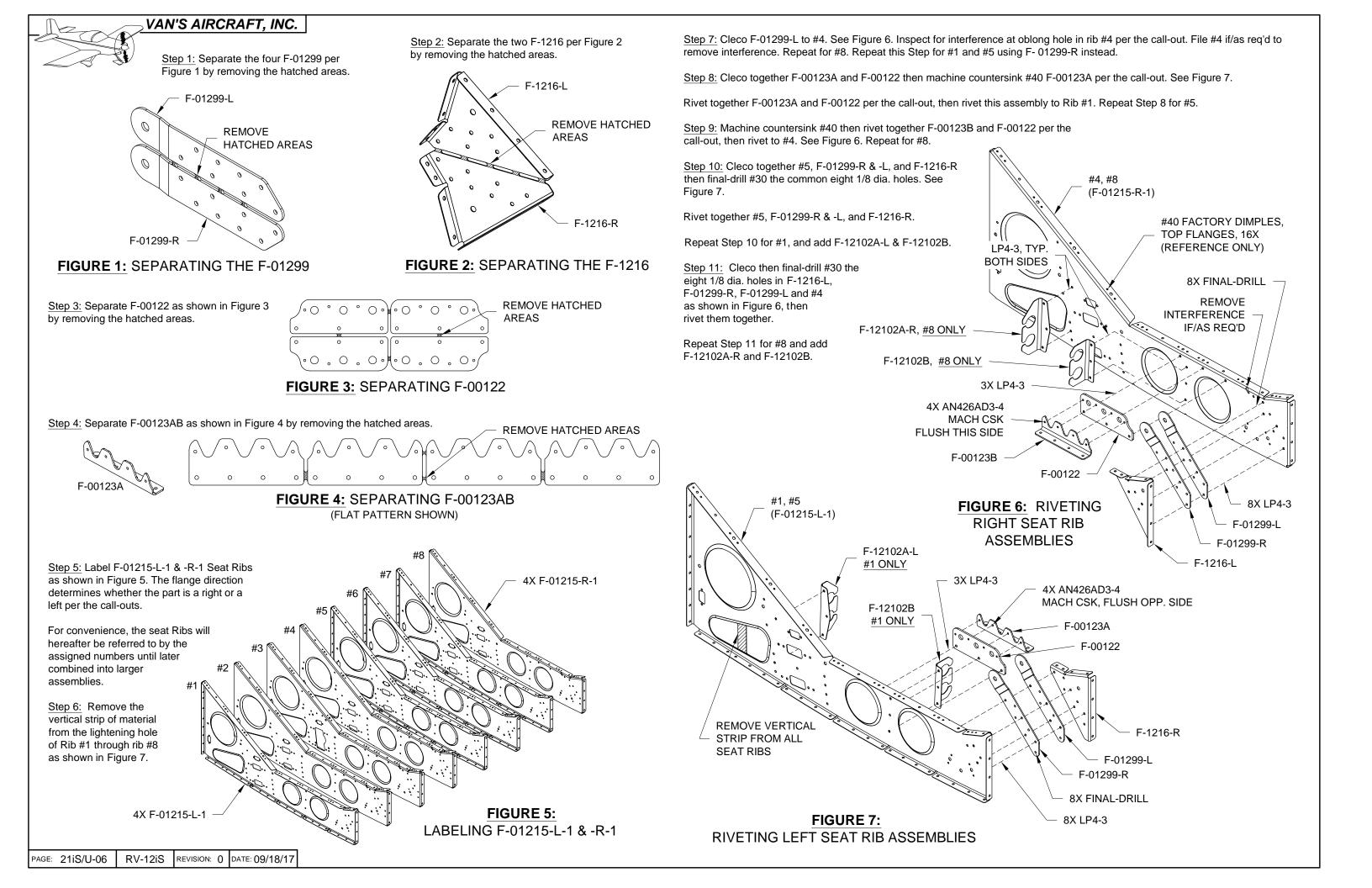
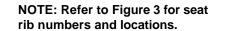


FIGURE 3: RIVETING PULLEY BRACKET ASSY



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Step 1: Dimple #30 the hole in Ribs #4 and #5 fwd (sloped) flange per the call-out. See Figure 1.

Step 2: Dimple #30 the aft three holes in the middle flange of #4 and #5 per the call-outs.

Step 3: Dimple #40 the middle rivet hole for a one-lug nutplate in the aft (sloped) flange of #4 and #5.

Step 4: Rivet three nutplates to the fwd flange of #4 and #5 per the call-out.

Step 5: Final-Drill #19 the #30 nutplate screw holes in the fwd, middle and aft flanges of #4 and #5 per the call-out.

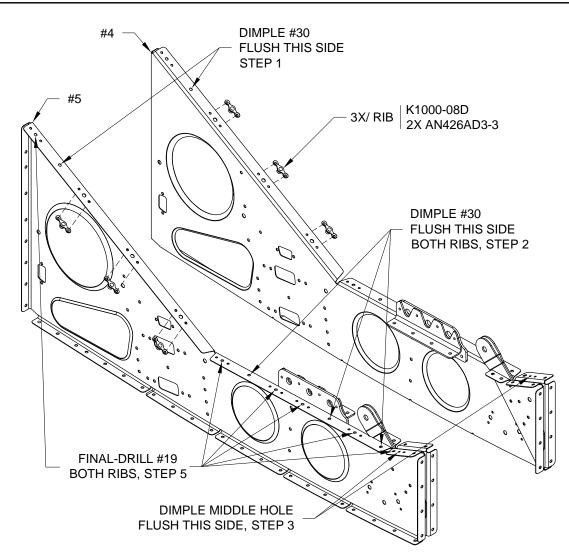


FIGURE 1: PREPARING SEAT RIB ASSEMBLIES

Step 6: Cleco F-1269 to Rib #3. See Figure 2.

Step 7: Match-Drill #30 the three holes in #3 using F-1269 as a guide.

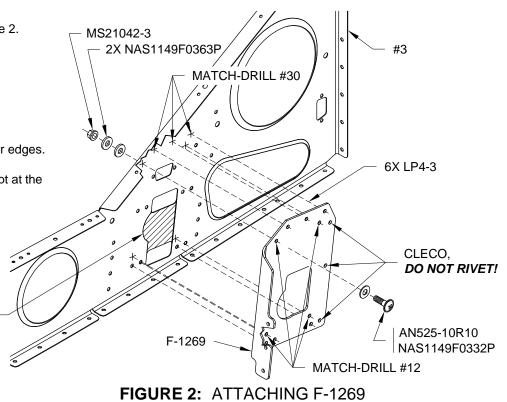
Match-Drill #12 the four holes in #3 using F-1269 as a guide.

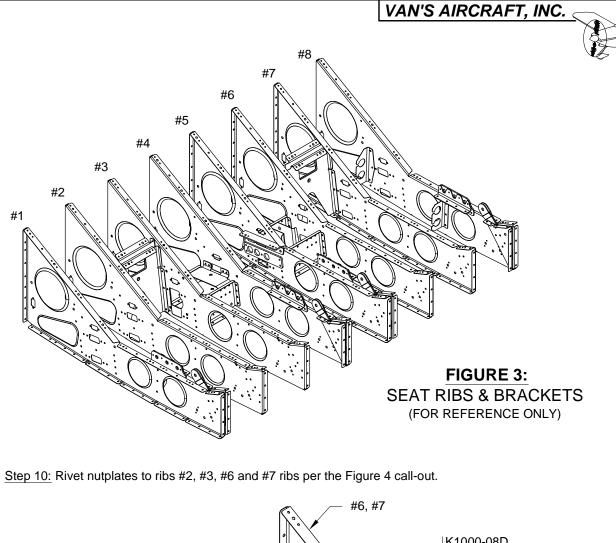
Mark and remove the hatched area. Deburr edges.

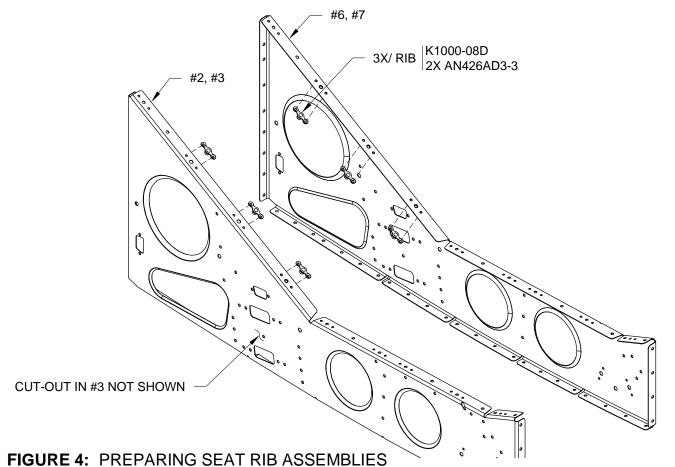
Step 8: Rivet F-1269 to #3 as shown except at the DO NOT RIVET locations called out.

Step 9: Install screw and hardware shown in Figure 2.

> TRIM AWAY HATCHED AREA PARTIALLY FORMED BY CUTOUT IN F-1269







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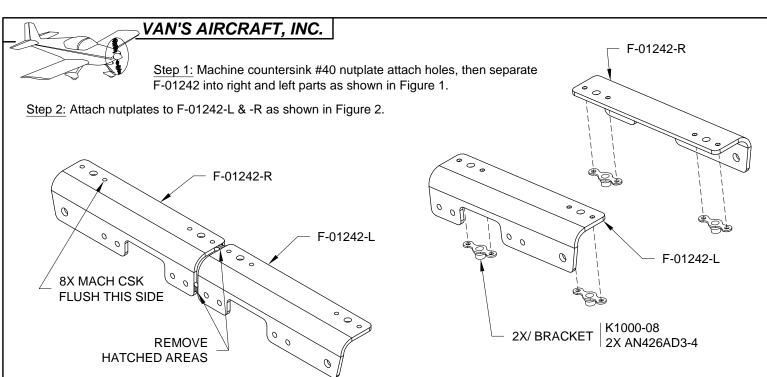


FIGURE 1: COUNTERSINKING & SEPARATING F-01242

F-01242-L & -R

Step 3: Dimple #40 the nutplates and attach holes in Rib #5, then rivet the nutplates in place using the called out rivets. See Figure 3. Step 4: Machine countersink #30 the two holes indicated in the F-1252. Set one aside for use later. Step 5: Rivet F-01242-R, F-1252 and the Pulley LP4-3 TYP. Bracket Assembly to #5 **EXCEPT AS** per the call-outs. **NOTED** Step 6: Rivet #6 to the Pulley Bracket Assembly as shown. **PULLEY BRACKET ASSEMBLY** K1000-3 2X AN426AD3-3.5 CS4-4 MACH CSK, FLUSH THIS SIDE F-01242-R F-1252 4X DIMPLE FLUSH THIS SIDE

FIGURE 3: RIVETING PULLEY BRACKET ASSEMBLY TO RIBS #5 & #6

Step 7: Dimple #40 the nutplates and attach holes in Rib #4, then rivet the nutplates in place using the called out rivets. See Figure 4.

Step 8: Rivet F-01242-L, F-1252, and the Flaperon Mixer Arm Assembly to #4 using the called out rivets.

Step 9: Rivet #3 to the Flaperon Mixer Arm Assembly as shown.

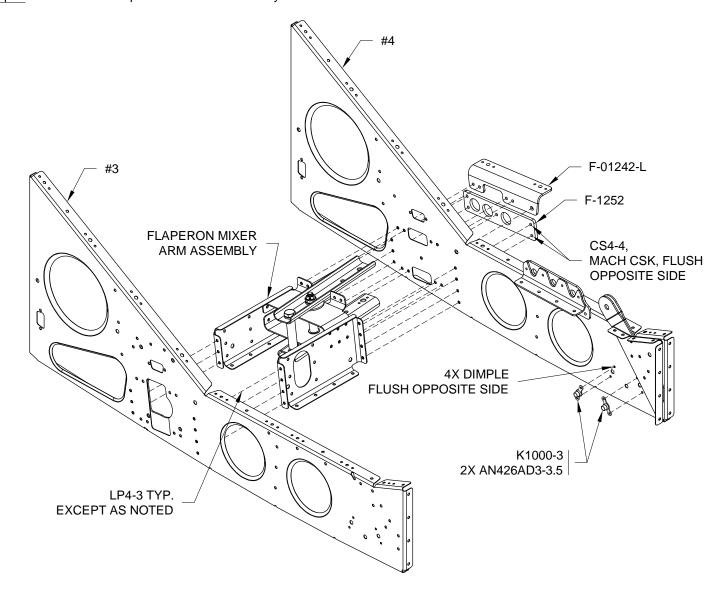
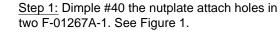


FIGURE 4: RIVETING FLAPERON MIXER ARM ASSEMBLY TO RIBS #3 & #4





Step 2: Machine countersink #40 the nutplate attach holes in two F-01267B-1.

Step 3: Using the rivets called out in Figure 1, rivet the nutplates to two F-01267A-1 and to two F-01267B-1.

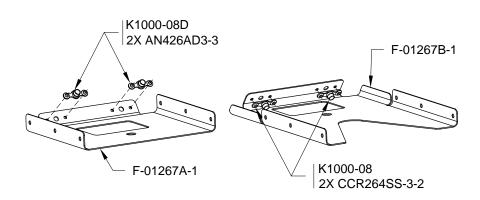
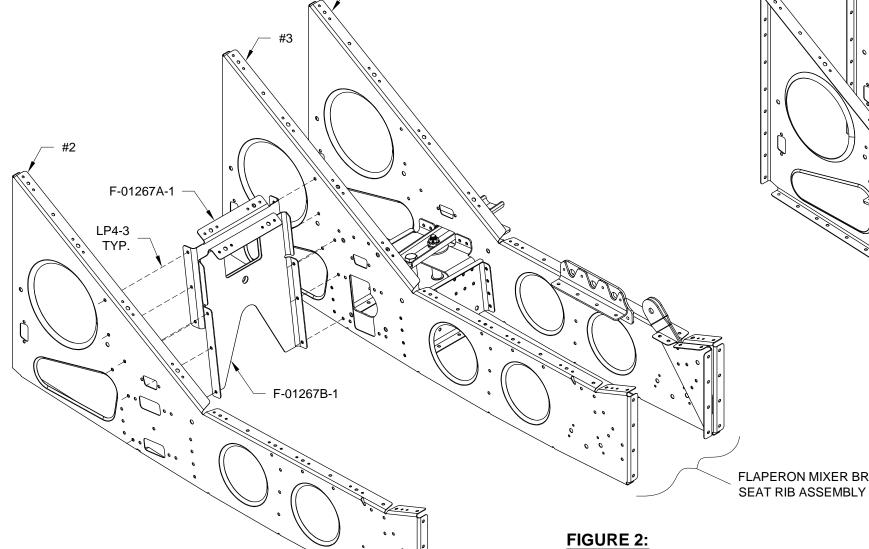


FIGURE 1: ATTACHING NUTPLATES TO F-01267A-1 & F-01267B-1





RIVETING F-01267A-1 & F-01267B-1
INTO THE FLAPERON MIXER BRACKET/
SEAT RIB ASSEMBLY

Step 5: Rivet the remaining F-01267A-1 & B-1 to the Pulley Bracket/ Seat Rib Assembly and to Rib #7 per the rivet call-out.

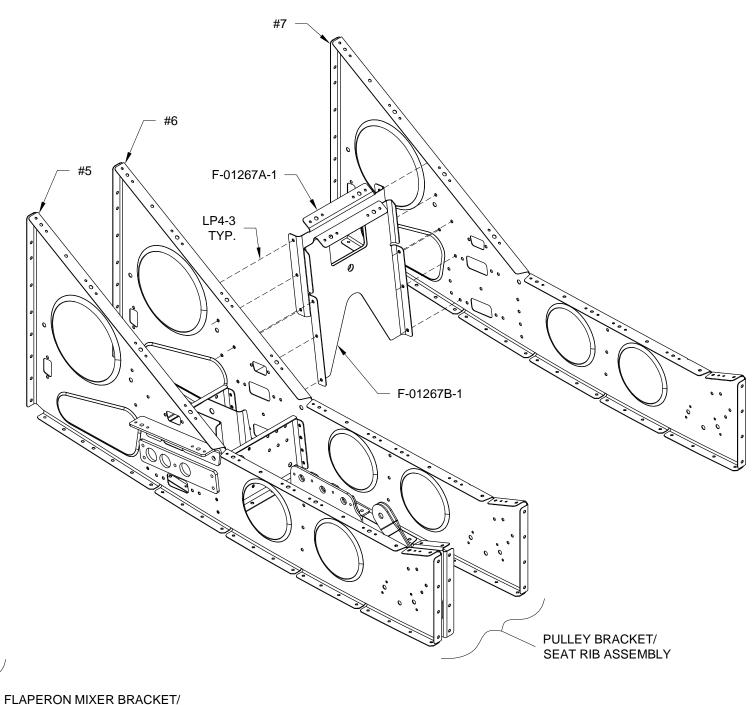


FIGURE 3:

RIVETING F-01267A-1 & F-01267B-1 INTO THE PULLEY BRACKET/ SEAT RIB ASSEMBLY

Step 1: Dimple #30 the four holes in the aft flanges in both F-01225-L-1 & -R-1. See Figure 1 call-outs.

Dimple #30 and #40 the holes around the access panel openings and along the fwd and inbd edges enclosed by borderlines in both F-01225-L-1 & -R-1.

Step 2: Rivet nutplates to F-01225-L-1 and to F-01225-R-1 per the call-outs.

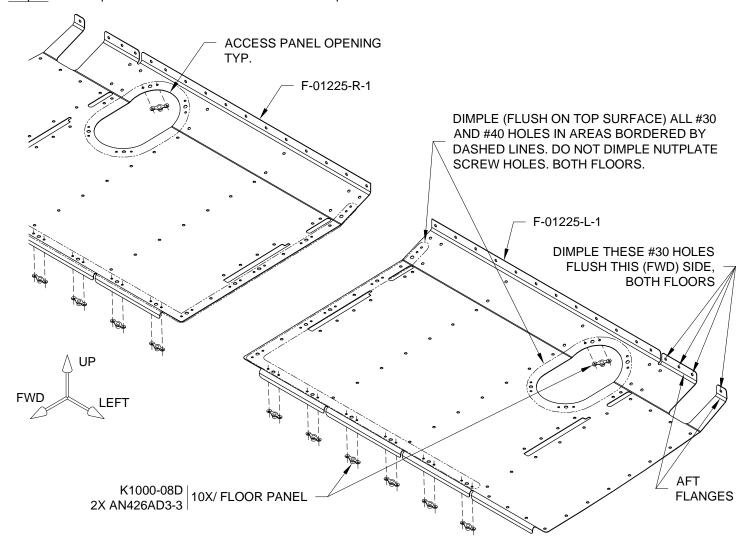


FIGURE 1: ATTACHING NUTPLATES TO F-01225L-1 & -R-1

Step 3: Separate F-1253 by removing the hatched areas shown in Figure 2.

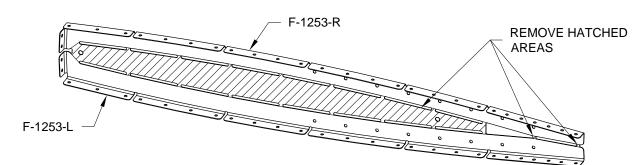


FIGURE 2: SEPARATING F-1253

Step 4: Rivet F-01225-L-1 to #1 (except for the hole indicated) and the Flaperon Mixer Bracket/ Seat Rib Assembly using the rivets called out in Figure 3.

<u>Step 5:</u> Rivet the nutplates shown to the Flaperon Mixer Bracket/ Seat Rib Assembly and to the F-01225-L Seat Floor using the rivets called out. Temporarily install an 8-32 screw in the MS21051L08 nutplate to prevent misalignment while riveting.

Step 6: Rivet F-1253-L (shown installed) to the bottom of the F-01225-L-1 using the rivets called out in Figure 3. Do not install a rivet in the aft most and forward most hole as indicated.

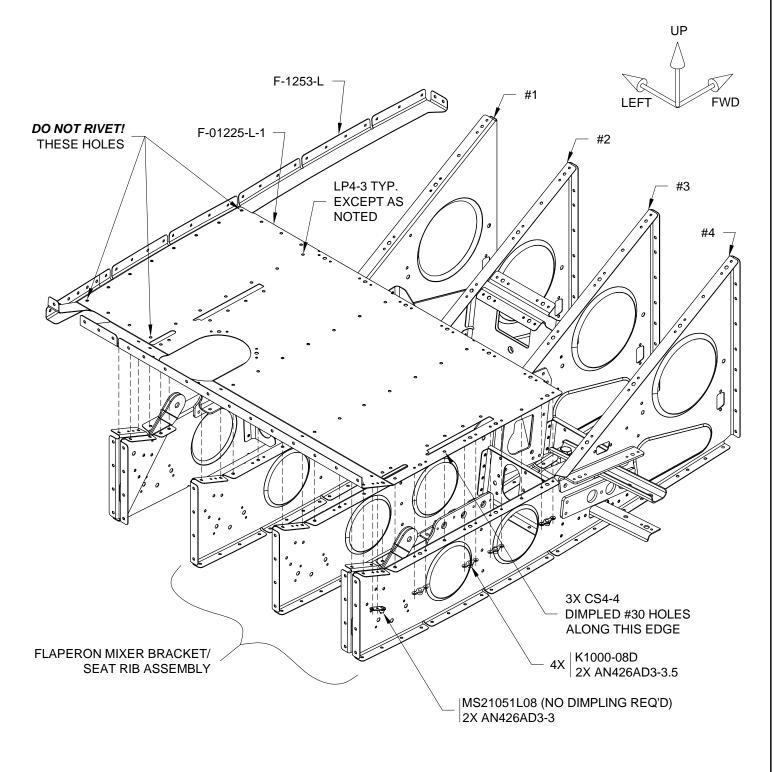


FIGURE 3: RIVETING LEFT SEAT FLOOR

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Step 1: Rivet F-01225-R-1 to #8 (except the hole indicated) and the Pulley Bracket/ Seat Rib Assembly using the rivets called out in Figure 1.

Step 2: Rivet nutplates shown in Figure 1 to the Pulley Bracket/ Seat Rib Assembly and to F-01225-R-1 using the rivets called out. Again, temporarily install an 8-32 screw in the MS21051L08 nutplate to prevent misalignment while riveting.

Step 3: Using the rivets called out in Figure 1 rivet F-1253-R (shown installed) to the bottom of F-01225-R-1. Do not install a rivet in the aft most and forward most hole as indicated.

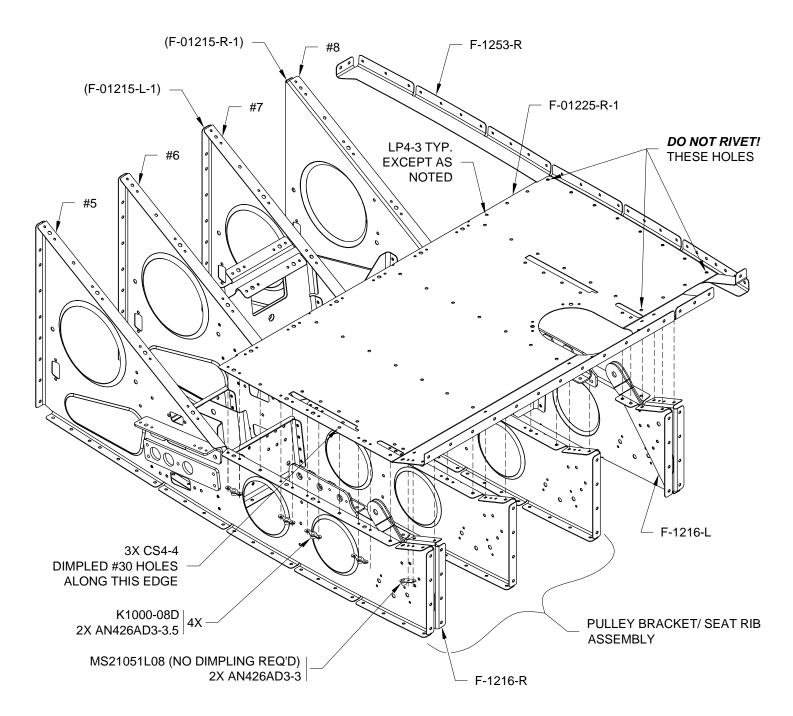


FIGURE 1: RIVETING RIGHT SEAT FLOOR

Step 4: Bolt F-1204R to F-01204B-L using the hardware called out in the Figure 2 detail.

Step 5: Rivet the Left and Right Seat Floor Assemblies to F-01204A-1 Center Section Bulkhead using the rivets called out in Figure 2. Rivet call-outs apply to both sides of the fuselage.

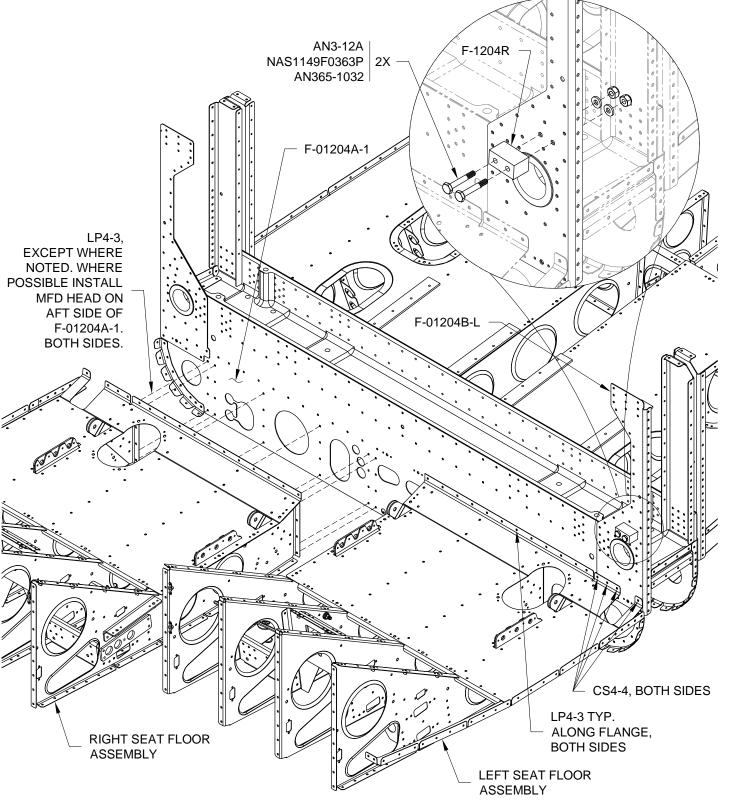
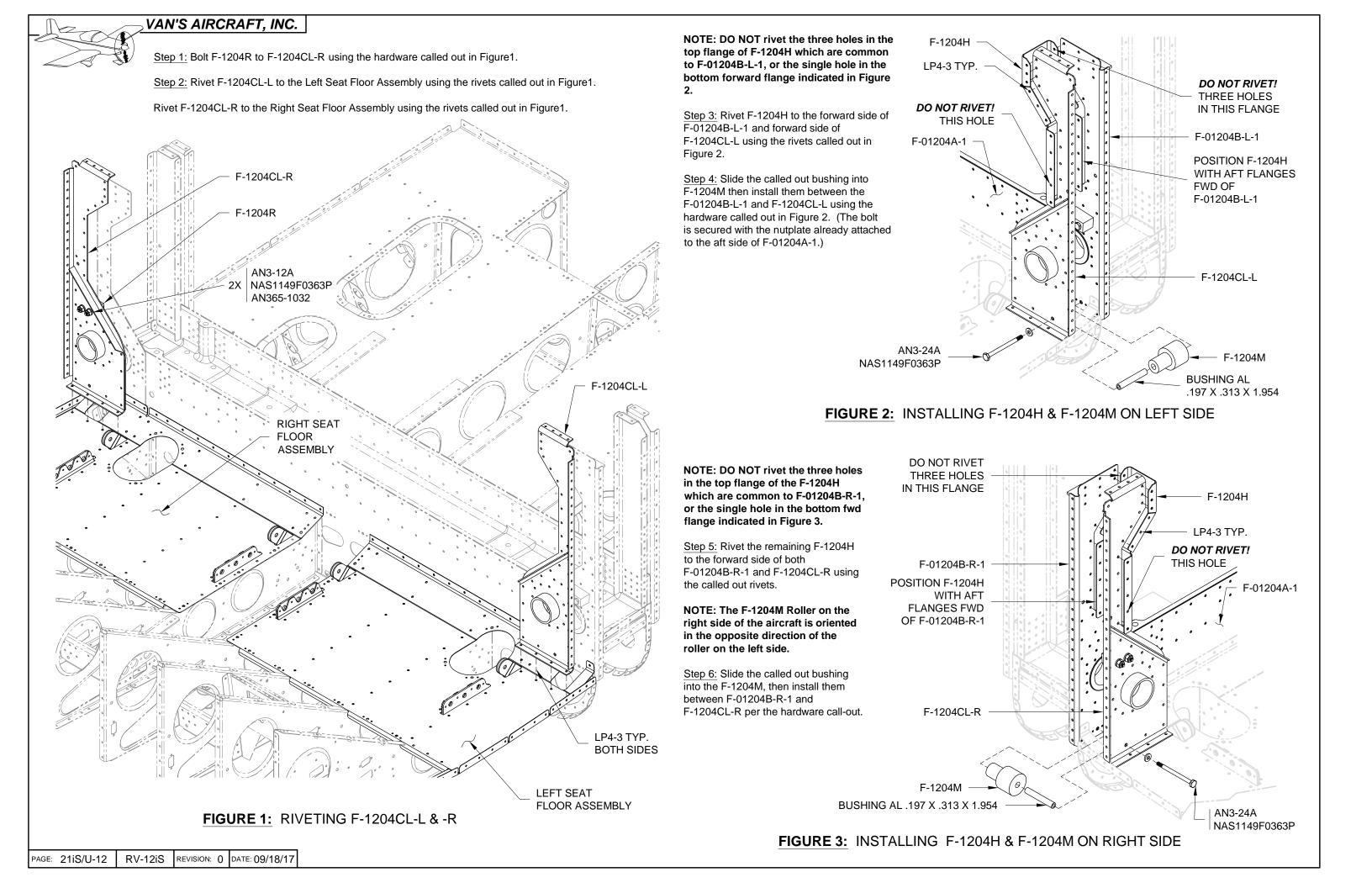


FIGURE 2: RIVETING SEAT FLOOR ASSEMBLIES

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Step 1: Separate F-1203B by removing the hatched area shown in Figure 1.

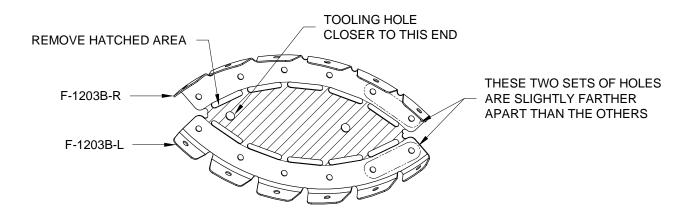


FIGURE 1: SEPARATING F-1203B

Step 2: Separate F-1203D by removing the hatched areas shown in Figure 2.

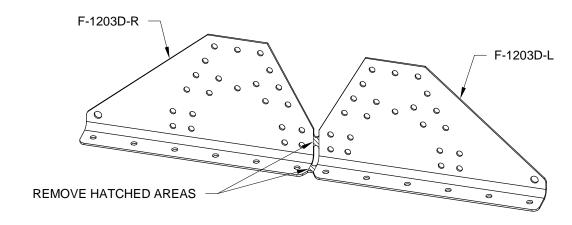


FIGURE 2: SEPARATING F-1203D

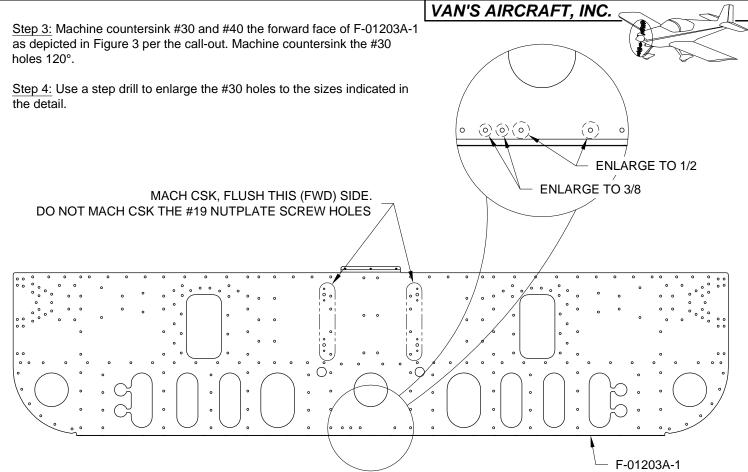


FIGURE 3: PREPARING F-01203A-1 (FRONT VIEW; BOTTOM FLANGE BENT BACK INTO PAGE)

Step 5: Rivet F-1203B-L to the left, aft side of the F-01203A-1 using the rivets called out in Figure 4.

Repeat this step for the right side of the bulkhead using the F-1203B-R.

Step 6: File the curved recess of both F-1203C (the bevel locates the top of the part) to closely fit the rounded mating ends of the Stub Spar Assemblies of both wings then mark the parts to ensure they can be assembled on the side to which they were fitted.

Step 7: Cleco F-1203C and F-1203D-L to F-01203A-1 as shown in Figure 4.

Rivet the parts together using only the two rivets called out. Final-Drill #30 if a hole is too tight to accept a rivet.

Repeat this step for the right side of F-01203A-1 using the remaining F-1203C and F-1203D-R.

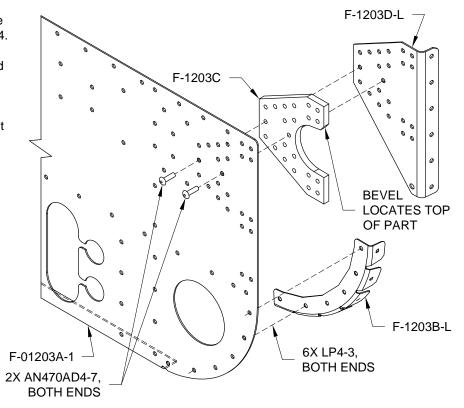
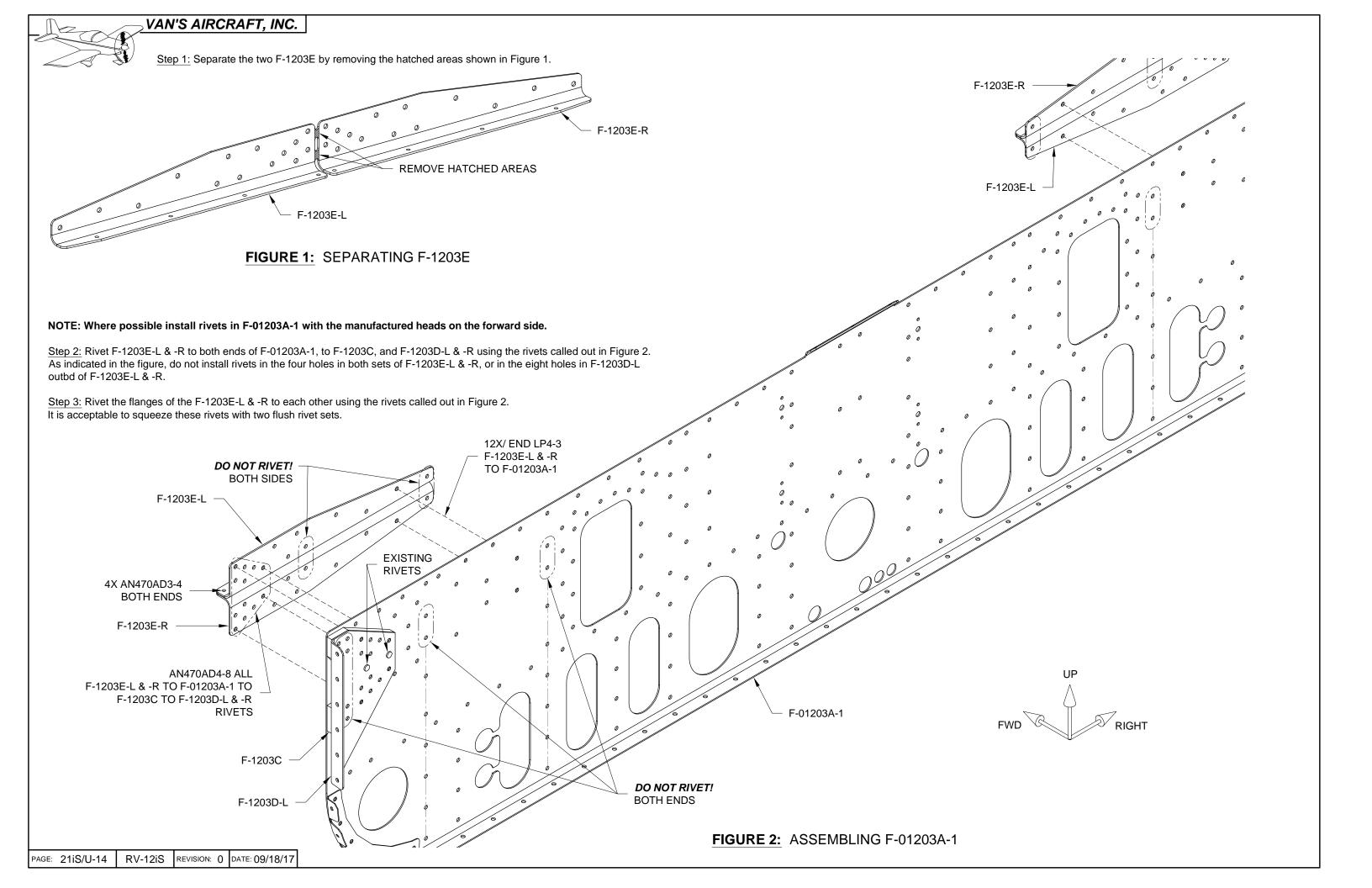
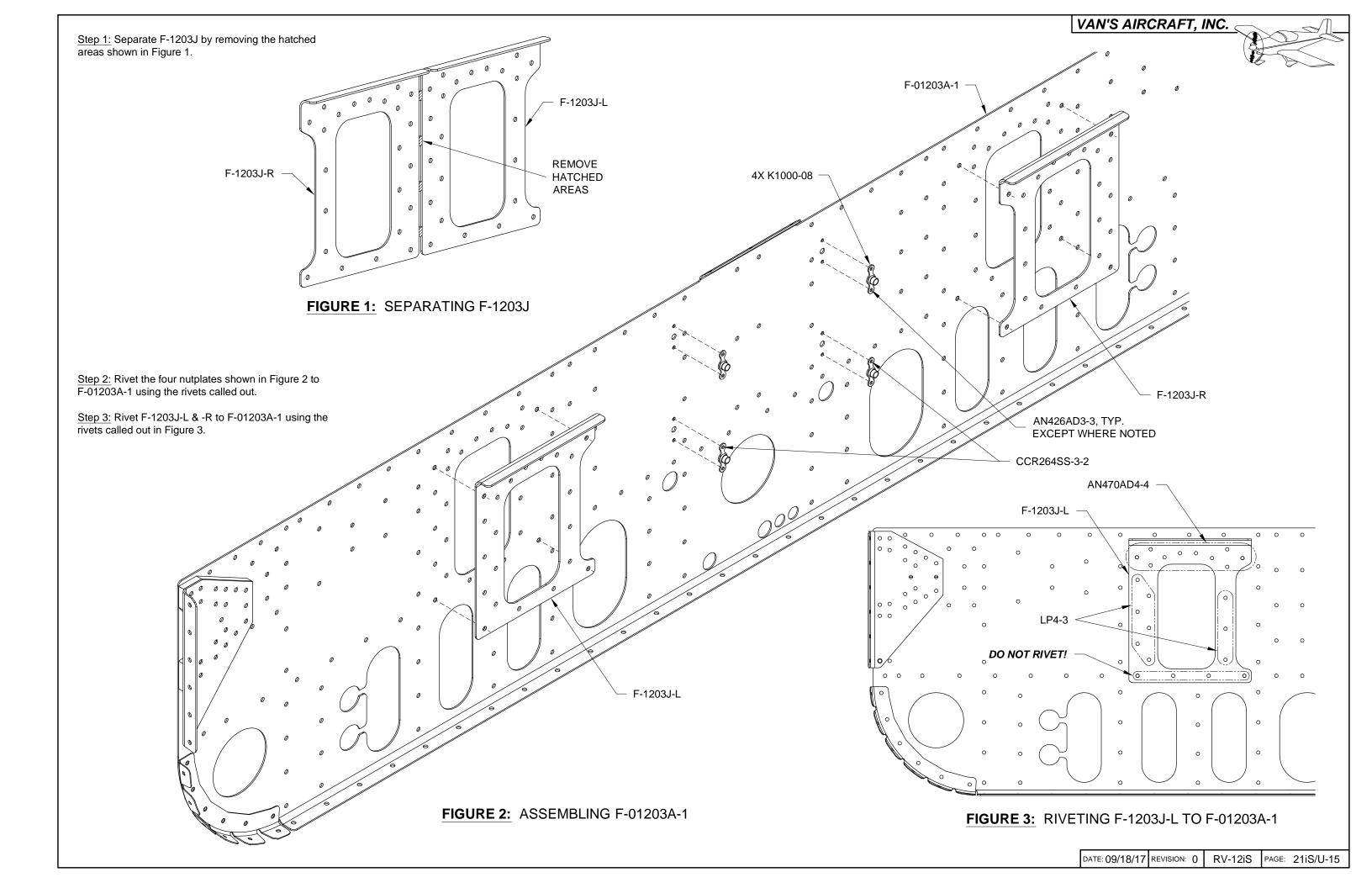


FIGURE 4: RIVETING F-01203A-1

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Step 1: Cleco F-01203A-1 to the front flanges of each F-01215-L-1 & -R-1 and to the front flange of F-1253-L & -R. In order to align the holes in F-1253-L & -R with their corresponding holes in F-01203A-1 (the holes just below F-1203D-L & -R), the F-1253-L & -R need to be bent up slightly at the front of the seat floors. See Figure 1 call-out.

Step 2: Rivet F-01203A-1 to the front flange of each F-01215-L-1 & -R-1 using the rivets called out in Figure 1 except where indicated. DO NOT rivet F-1253-L & -R at this time.

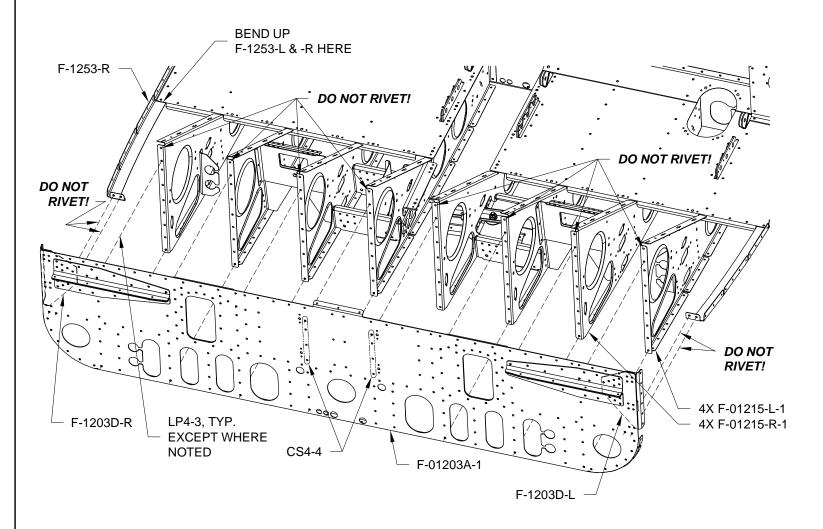


FIGURE 1: INSTALLING F-01203A-1

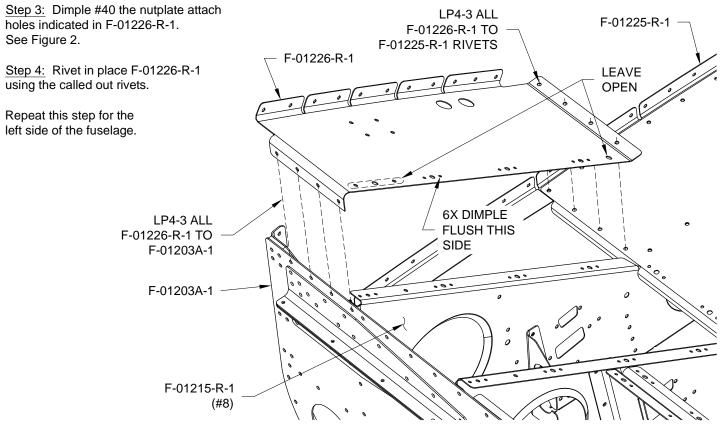


FIGURE 2: RIVETING F-01226-R-1

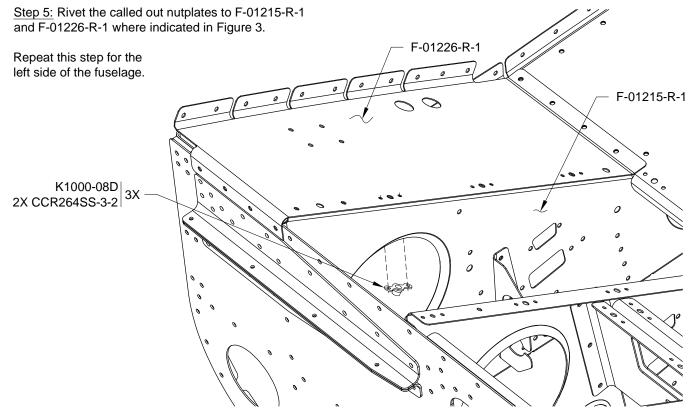


FIGURE 3: ATTACHING NUTPLATES

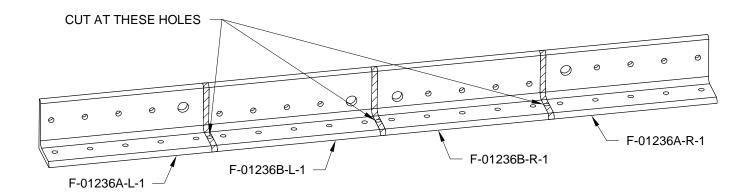


FIGURE 1: SEPARATING F-01236-1

NOTE: F-01236B-R-1 is the mirror image of F-01236B-L-1.

Step 2: Trim the flanges of F-01236B-L-1 & -R-1 as shown in Figure 2.

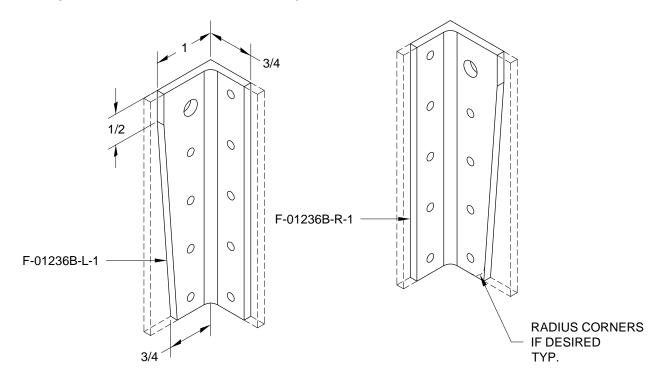
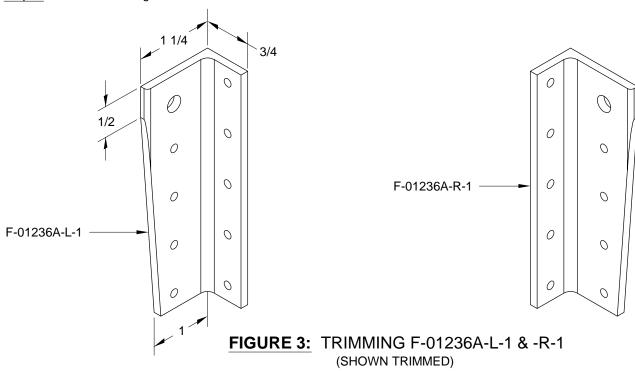


FIGURE 2: TRIMMING F-01236B-L-1 & -R-1

NOTE: F-01236A-R-1 is the mirror image of F-01236A-L-1.

Step 3: Trim the flanges of F-01236A-L-1 & -R-1 as shown in Figure 3.

Step 4: Prime the four angles.



Step 5: Cleco then rivet the called out angles to the step ribs depicted in Figure 4. Hereafter refer to as Step Rib Assemblies.

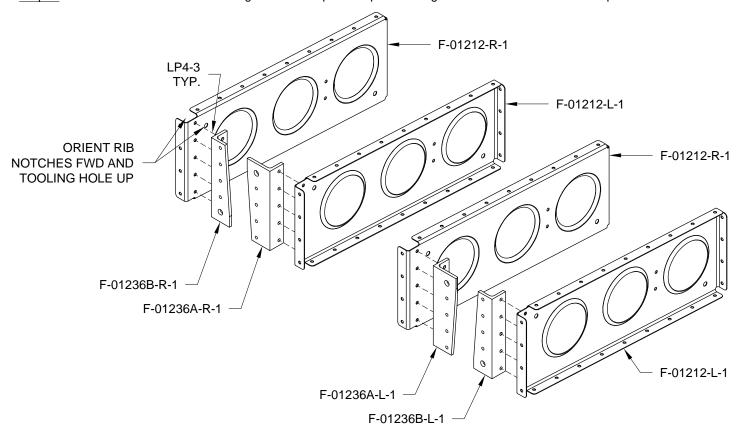


FIGURE 4: RIVETING STEP RIB ASSEMBLIES

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Step 1: Dimple #30 the holes in the top flange of both inboard most F-01212-L-1 & -R-1 indicated in Figure 1.

<u>Step 2:</u> Dimple #30 the bottom hole in the fwd flange of both outboard most Step Rib Assemblies and the two corresponding holes in F-01202F-1 where indicated.

Step 3: Dimple #40 the four nutplate attach holes in the top flange of F-01202F-1.

Step 4: Cleco then rivet all Step Rib Assemblies and F-01212-L-1 & -R-1 to F-01203A-1 as shown in Figure 1.

NOTE: DO NOT final-drill any Step Rib Assembly angles (F-01236A-L-1, F-01236A-R-1, F-01236B-L-1, F-01236B-R-1).

Step 5: Insert temporary bolts where indicated then cleco F-01202F-1 to all Step Rib Assembly angles and F-01212-L-1 & -R-1.

Step 6: Rivet F-01202F-1 ONLY to Step Rib Assembly angles.

Step 7: Rivet F-01202F-1 to F-01212-L-1 & -R-1 and to the four Step Rib Assembly ribs with the exception of the four holes marked "CLECO, DO NOT RIVET." Final-Drill #30 F-01202F-1 to F-01212-L-1 & -R-1 holes if/as req'd.

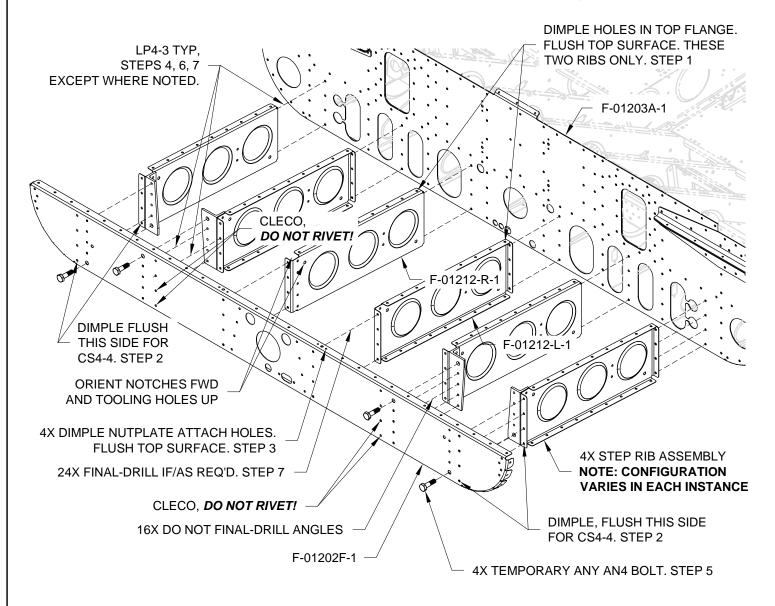
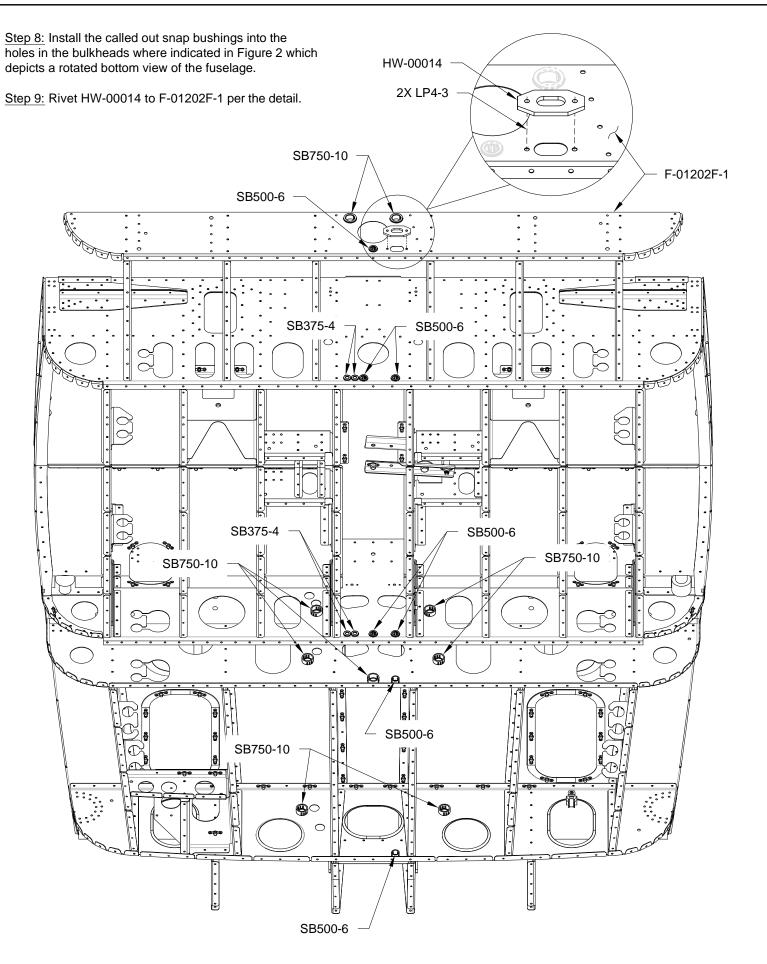


FIGURE 1: RIVETING STEP RIBS AND F-01202F-1



<u>Step 1:</u> Separate F-1275A, B, C, D, E, and F-01275F-1 Fuselage Corner Skins along the center perforations. Notches in called out tabs differentiate the four similar parts as shown in Figure 1.

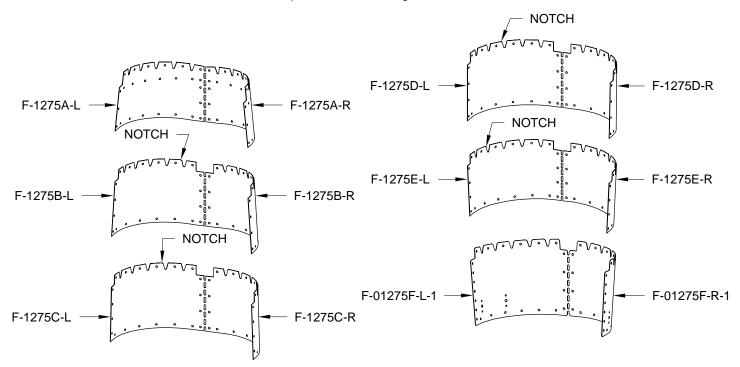


FIGURE 1: SEPARATING FUSELAGE CORNER SKINS

Step 2: Dimple #40 the nutplate attach holes in F-01275F-L-1 & -R-1 Fuselage Corner Skins. See Figure 2.

Dimple #30 the rivet holes per the call-outs.

 $\underline{\text{Step 3:}}$ Rivet the called out nutplates to F-01275F-L-1 & -R-1 as shown.

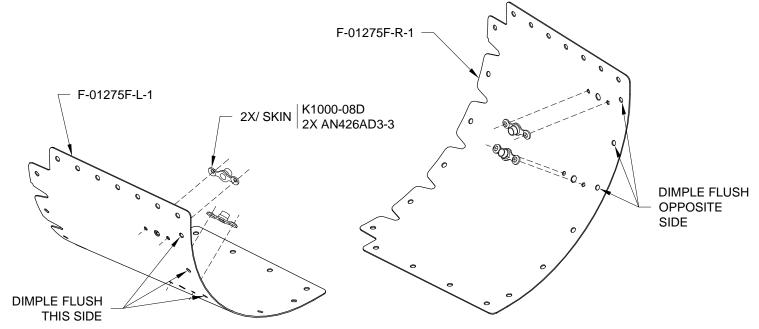
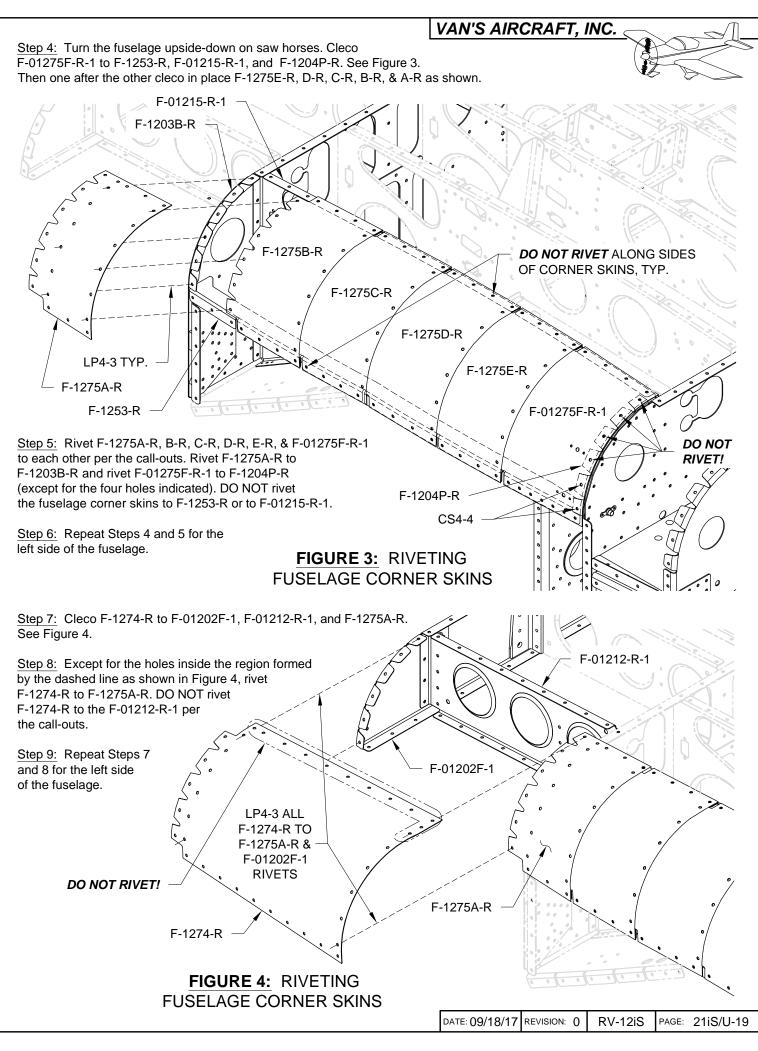


FIGURE 2: RIVETING NUTPLATES TO F-01275F-L-1 & -R-1



NOTE: Only one F-00020 will be needed at this time.

Step 1: Separate F-00020 by removing the hatched areas shown in Figure 1.

Step 2: Final-Drill #30 the four #40 holes.

Step 3: Dimple #30 F-00020 for the dimpled F-01276-1 Bottom Skin.

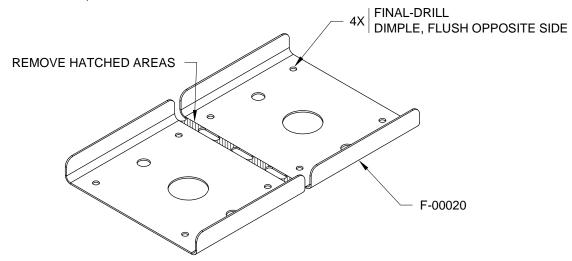


FIGURE 1: SEPARATING & PREPARING F-00020

Step 4: Separate F-1204Z by removing the hatched areas shown in Figure 2.

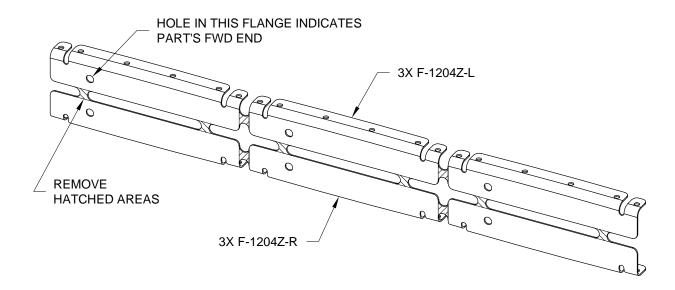


FIGURE 2: SEPARATING F-1204Z

Step 5: Orient F-1268 as shown then mark each part.

Separate by removing the hatched areas shown in Figure 3.

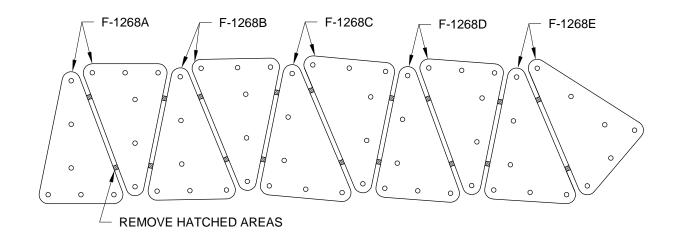


FIGURE 3: MARKING & SEPARATING F-1268

Step 6 (iS): Go to the next page.

Step 6 (ULS): Machine countersink #40 the nutplate attach holes in F-12113. See Figure 4.

Step 7: Rivet the called out nutplate to F-12113.

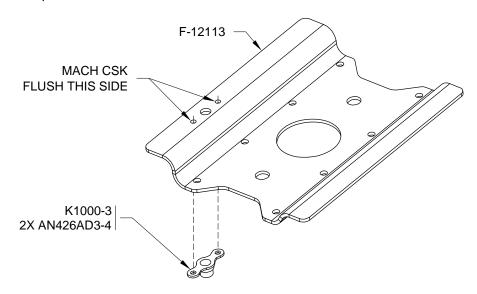
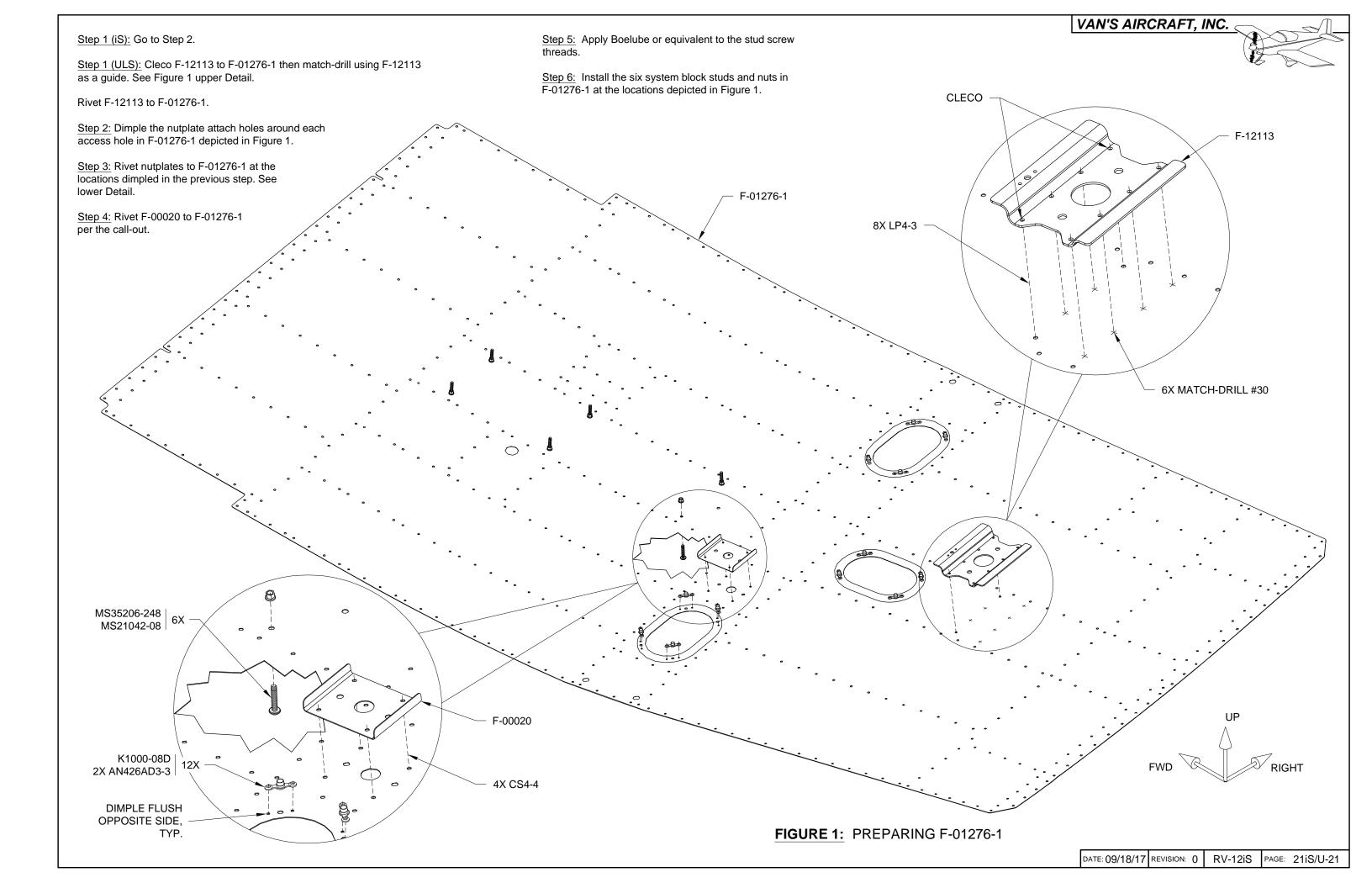
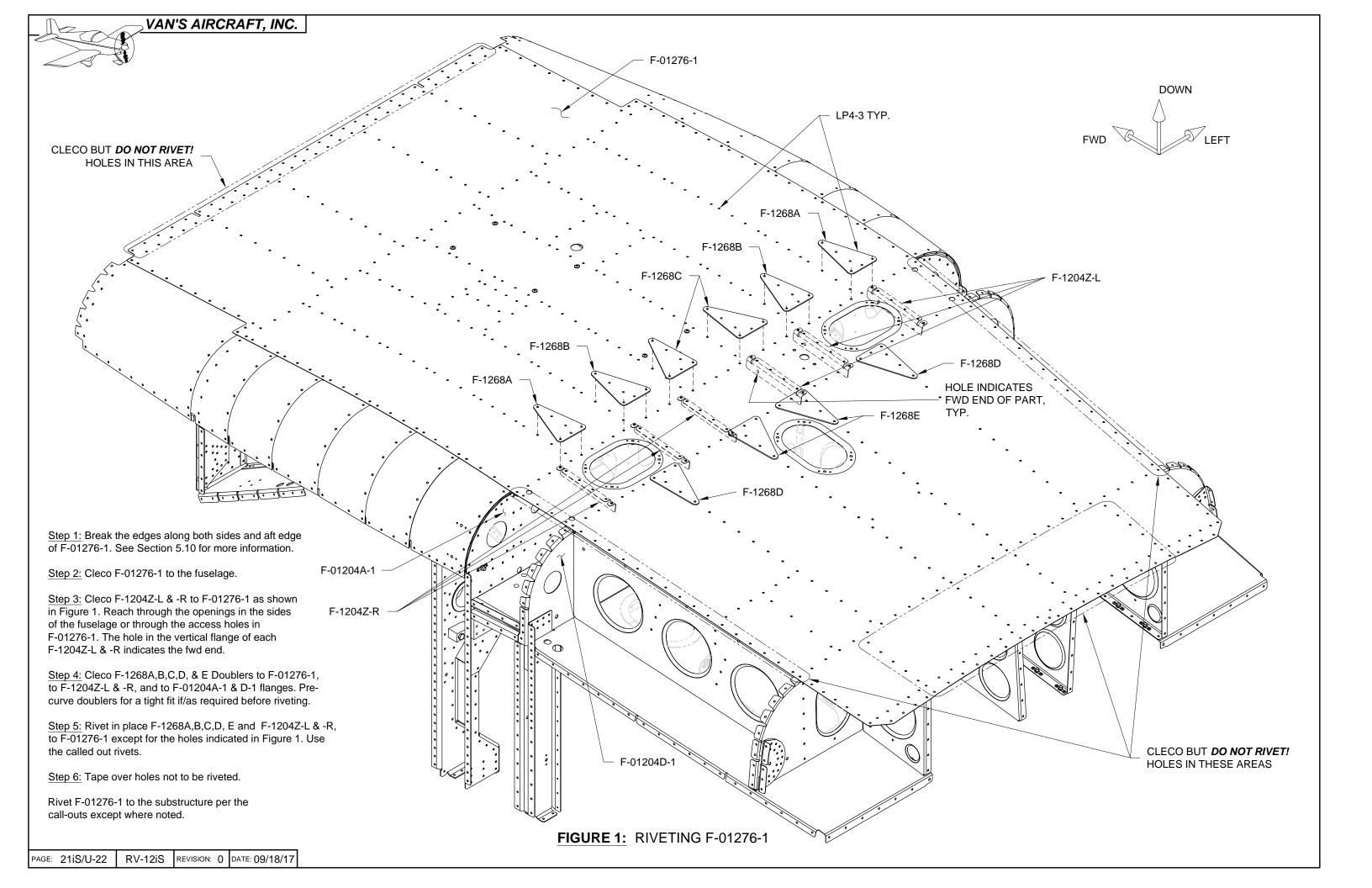
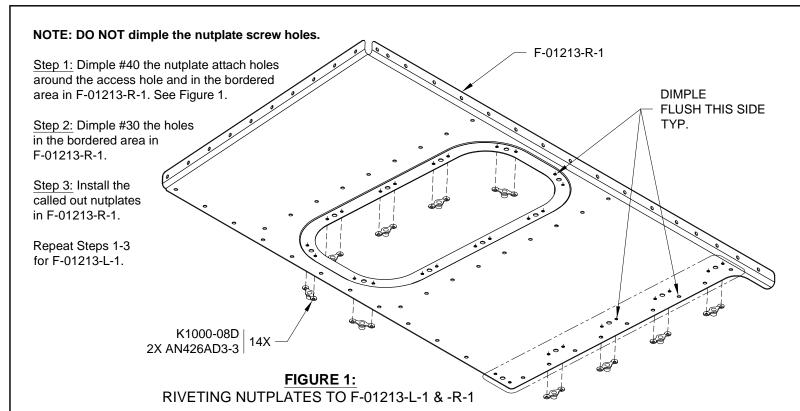


FIGURE 4: RIVETING NUTPLATE



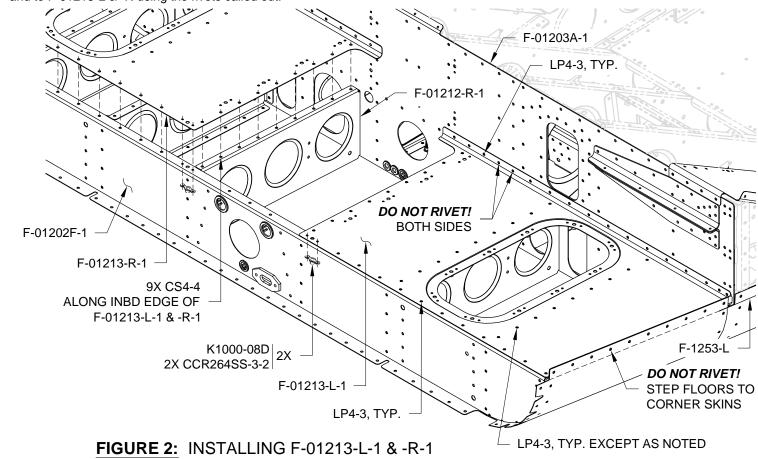






Step 4: Turn the fuse right side up then rivet F-01213-L-1 & -R-1 to F-01202F-1, F-01212-L-1 & -R-1, and F-01203A-1, except as noted, using the rivets called out in Figure 2. Be sure to capture the two holes in the front flange of F-1253-L & -R when riveting the two outbd holes of F-01213-L-1 & -R-1 to F-01203A-1.

Step 5: Reach through the lightening holes in F-01212-L-1 & -R-1 and rivet the nutplates to the top flange of F-01202F-1 and to F-01213-L & -R using the rivets called out.



Step 6: Separate F-01286A-1 by removing the hatched areas shown in Figure 3.

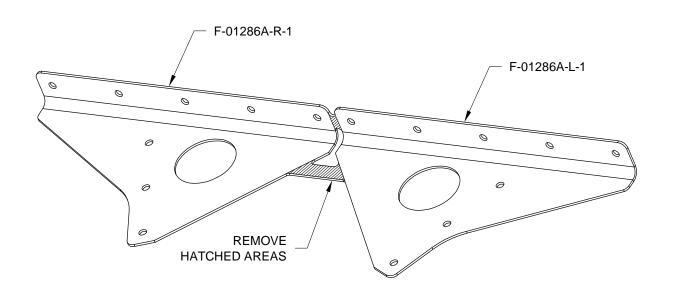


FIGURE 3: SEPARATING F-01286A-1

Step 7: Separate F-01286B-1 by removing the hatched areas shown in Figure 4.

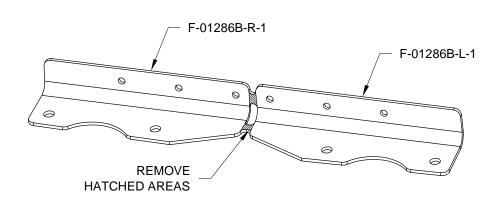


FIGURE 4: SEPARATING F-01286B-1

Step 1: Dimple #40 the four sets of nutplate attach holes in F-01207B-1 as shown in Figure 1.

Step 2: Rivet the nutplates to F-01207B-1 per the call-out.

Step 3: Rivet F-12108A to F-01207B-1 per the call-out.

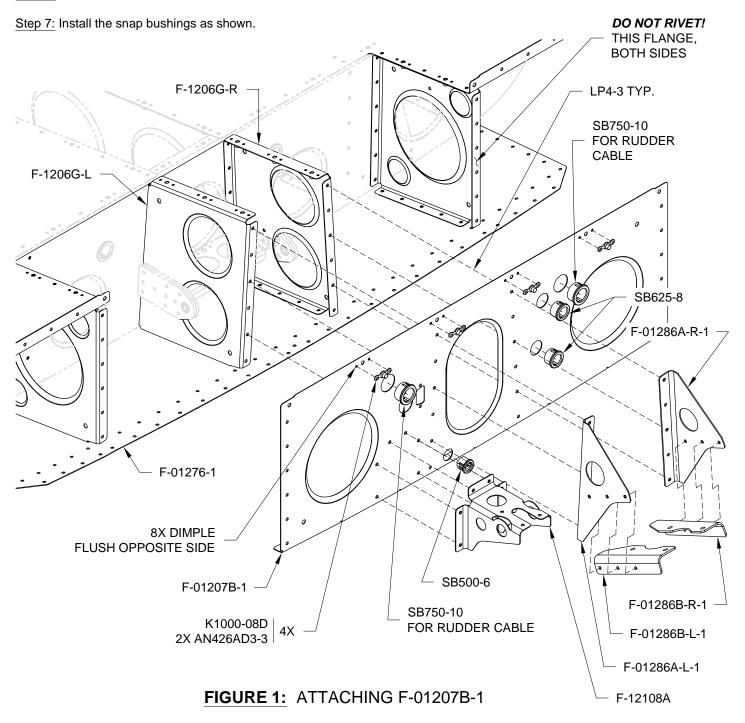
Step 4: Cleco F-01207B-1 in place on the ribs shown, then rivet F-01286A-L-1 & -R-1 to F-01207B-1 and to F-1206G-L & -R. DO NOT rivet F-01207B-1 to the outboard ribs as noted.

Step 5: Rivet F-01286B-L-1 to F-01286A-L-1 as shown.

Step 6: Rivet F-01286B-R-1 to F-01286A-R-1 as shown.

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<u>Step 8:</u> Clean the region of the aft center section bulkhead in which the F-01204N Fuel Tank Pad will be placed. See Figure 2 and Page 21iS/U-01.

Remove the adhesive backing from F-01204N and position it horizontally centered (side-to-side), and vertically contacting the edge of the F-01224-L-1 and -R-1 Baggage Floor flanges as shown. Press firmly for a good bond.

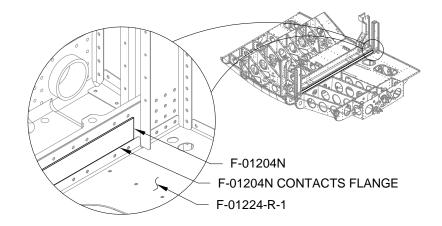


FIGURE 2: ATTACHING F-01204N