

Section 20 - Bottom Wing Skins.

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Step 1: Except for holes already match-drilled on Page 13-02, Step 4, final-drill #40 all the .094 (2.4 mm) holes in the flanges of the W-00006-L Main Spar Assembly.

Final-Drill #40 the .094 (2.4 mm) nutplate attach rivet holes near the tip of the main spar assembly as shown in Figure 2 and at the root of the main spar assembly as shown on Page 13-05, Figure 1.

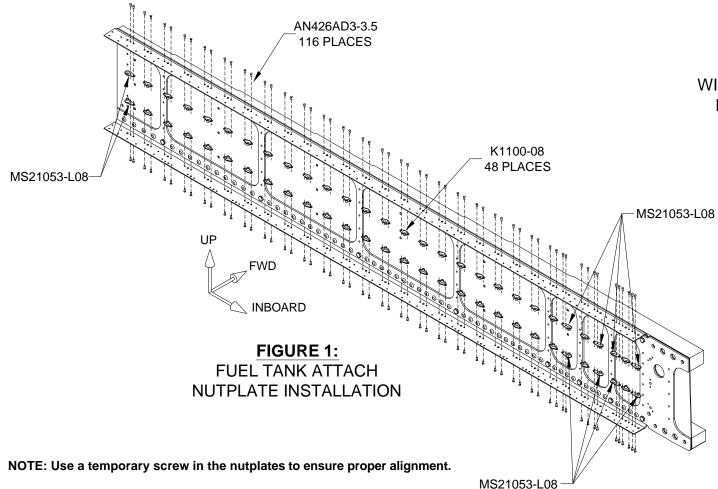
NOTE: Countersink just deep enough to fit the head of an AN426AD3 rivet. Read Section 5.5 for more information on countersinking and dimpling.

Step 2: Machine countersink the nutplate attach rivet holes in the flanges of the W-00006-L Main Spar Assembly. See Figure 1, Figure 2, and Page 13-04, Figure 1.

Machine countersink the nutplate attach rivet holes near the tip of the main spar assembly as shown in Figure 2 and at the root of the main spar assembly as shown on Page 13-05, Figure 1.

NOTE: Machine countersink in all rib locations.

Step 3: Machine countersink the #40 holes indicated in Figure 2.



Step 4: Rivet the fuel tank skin attach nutplates to the W-00006-L Main Spar Assembly as shown in Figure 1.

Step 5: Machine countersink the fuel tank attach screw holes. See Figure 3 for details of the countersunk hole. Use a #30 pilot countersink cutter in a microstop countersink cage to countersink the screw holes in the spar. The #30 pilot will center in the nutplate well enough to keep the countersink round and concentric.

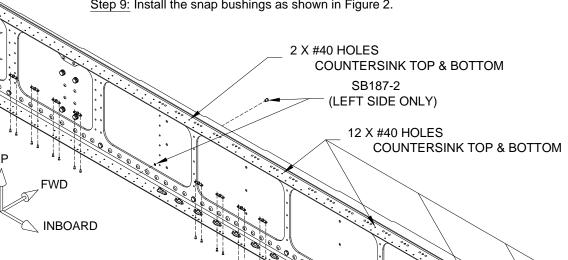
Step 6: Rivet the wing access plate attach nutplates to the W-00006-L Main Spar Assembly as shown in Figure 2.

Use a #40 pilot countersink cutter in a microstop countersink cage to countersink the screw holes in the spar. The #40 pilot will center in the nutplate well enough to keep the countersink round and concentric.

Step 7: Machine countersink remaining the skin and rib attach rivet holes in the flanges of the W-0006-L Main Spar Assembly. Countersink just deep enough to fit the dimples in the wing skins.

> Step 8: Spot prime the areas where the anodize finish was removed during countersinking in steps 2, 5, and 7. See Section 5.1 for more information on priming aluminum.

> > Step 9: Install the snap bushings as shown in Figure 2.



K1000-06,

AN426AD3-3.5, 24 PLACES

12 PLACES

FIGURE 2: WING ACCESS PLATE ATTACH NUTPLATE INSTALLATION

SB500-6

4X | K1000-3 2X AN426AD3-3.5

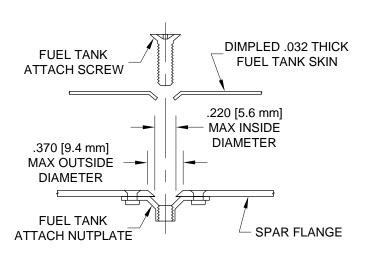
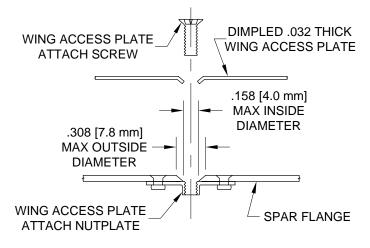


FIGURE 3: **FUEL TANK ATTACH COUNTERSINK DETAIL**



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FIGURE 4: WING ACCESS PLATE ATTACH **COUNTERSINK DETAIL**

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SB187-2



ACCESS PLATE ATTACH

♦ ACCESS PLATE NUTPLATE ATTACH

♦ FUEL TANK SKIN NUTPLATE ATTACH

DO NOT

MATCH-DRILL

LOWER J-CHANNEL

IN THIS AREA

FIGURE 1:

MAIN SPAR FLANGE HOLE
IDENTIFICATION DIAGRAM

DO NOT

MATCH-DRILL

LOWER J-CHANNEL

IN THIS AREA

DO NOT

MATCH-DRILL

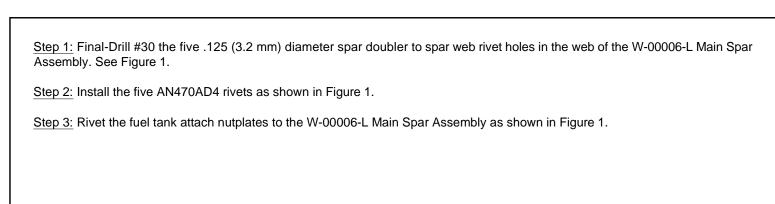
LOWER J-CHANNEL

IN THIS AREA

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NO SYMBOL = SKIN or SKIN AND RIB or RIB ATTACH



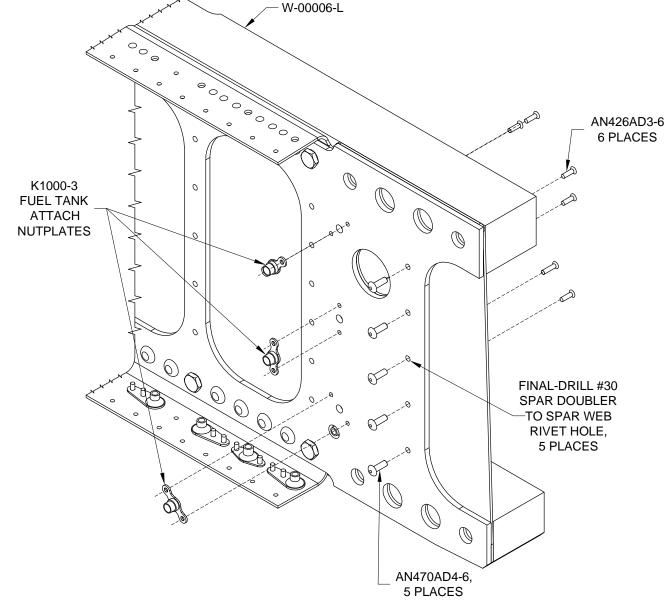


FIGURE 1: FUEL TANK NUTPLATE AND SPAR DOUBLER RIVET INSTALLATION

