## **REVISION DESCRIPTION:**

14-04 REV 2: Steps re-written for clarity.

14-05 REV 2: Steps re-written for clarity.



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W-1029D-L

W-1029C-L





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W-1029D-L

FIGURE 2: SEPARATING THE W-1029C ANGLES

AND THE W-1029D SPACERS

(W-1029C ANGLE SHOWN "FLAT" IN DETAIL VIEW FOR CLARITY)



Step 6: Cleco the Torque Tube Support Assembly to the upper and lower flanges of the W-1010-R Inboard Wing Rib as shown in Figure 4. The support brackets cleco into the fourth and fifth holes back from the front of the main flange (not counting the tab).

Step 1: Straighten the W-1025A Flap Hinge Brackets until they are flat. Use a straight edge for reference.

Step 2: Cleco the W-1025B-R Flap Hinge Rib and W-1025A Flap Hinge Bracket to the two alignment holes in the W-1011-L Inboard Wing Rib as shown in Figure 1.

Cleco the W-1025B-L Flap Hinge Rib and W-1025A Flap Hinge Bracket to the two alignment holes in the W-1011-R Inboard Wing Rib as shown in Figure 1.

Match-Drill #30 the inboard wing ribs using the holes in the flap hinge ribs and brackets as a drill guide. Final-Drill #30 the two alignment holes in each inboard wing rib. See Figure 1.



FLAP HINGE ASSEMBLIES

Step 3: Remove the aft flange but not the flange radius from one W-1012-R Outboard Wing Rib as shown in Figure 2.



Step 4: Remove bolts, nuts, and washers from the Main Spar Assembly and set aside for subsequent re-installation. See Page 14-08, Figure 1.

Cleco the W-1010-R Inboard Wing Rib, W-1011-L & -R Inboard Wing Ribs and W-1012-L & -R Outboard Wing Ribs to the Main Spar Assembly as shown in the isometric view on Page 14-01.

Match-Drill #12 the upper and lower attach points on the W-1010-R Inboard Wing Rib and all the W-1011-L & R Inboard Wing Ribs that will be attached with bolts to the Main Spar Assembly, see Page 14-08, Figure 1. Use the holes in the Main Spar Assembly as a drill guide. Use a wood block to support the forward flange of each rib while drilling.

Final-Drill #30 all the remaining common attach holes in the forward flange of the ribs and web of the Main Spar Assembly.

Final-Drill #40 all the common attach holes in the upper and lower rib tabs and the flanges of the Main Spar Assembly.

Mark the wing ribs for location on the Main Spar Assembly and remove. Deburr all freshly drilled holes.



## FIGURE 2: **REMOVING THE AFT FLANGE** OF THE OUTBOARD-MOST WING RIB

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Step 1: Mark the W-1025A Flap Hinge Brackets, W-1025B-L & -R Flap Hinge Ribs, and W-1011-L & -R Inboard Wing Ribs so they can be re-assembled exactly as when they were drilled.

Disassemble the flap hinge brackets and flap hinge ribs from the inboard wing ribs.

Remove the Torque Tube Support Assembly from the W-1010-R Inboard Wing Rib then disassemble the Torque Tube Support Assembly.

Deburr the edges of the W-1025A Flap Hinge Brackets.

Deburr all holes in all parts. Prime all parts if/as desired.

Step 2: Cleco the W-1025B-R Flap Hinge Rib and W-1025A Flap Hinge Bracket to the W-1011-L Inboard Wing Rib.

Cleco the W-1025B-L Flap Hinge Rib and W-1025A Flap Hinge Bracket to the W-1011-R Inboard Wing Rib.

Rivet the flap hinge ribs and flap hinge brackets to the inboard wing ribs as shown in Figure 1.



Angle, and W-1029D-L Spacer together as shown in Figure 2.

as shown in Figure 2.







