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## SERVICE BULLETIN 12-08-09

**Date Released:** August 9, 2012  
**Date Effective:** August 9, 2012  
**Subject:** Cracks in Nose Wheel Fairing Brackets  
**Affected Models:** RV-12 Wheel Fairing Kits  
shipped before August 9, 2012.

**Synopsis:** Aircraft in the field were found to have cracks in planar flange of U-00006A-L/R Wheel Fairing Brackets.

**Recommended Action:** Inspect in-service U-00006A-L/R Wheel Fairing Brackets for cracks. Replace brackets if cracks are found. Reinforce U-00006A-L/R Wheel Fairing Brackets by installing U-00006D Doubler Plates.

**Time of Compliance:** Before further flight. (Aircraft may be flown with the nose wheel fairing removed prior to compliance with this service bulletin.)

**Method of Compliance:**

Inspect U-00006A-L/R Wheel Fairing Brackets for cracks. See Figure 1 below.

If any cracks are found, remove and replace U-00006A-L/R Wheel Fairing Brackets.

Install U-00006D Doubler Plate to U-00006A-L/R Wheel Fairing Brackets.

**Replacement and Modification Procedures:**

PARTS REQUIRED

Qty 2 U-00006D Doubler Plate

Qty 10 AN470AD3-4

Qty 10 AN426AD3-4

PARTS WHICH MAY BE REQUIRED

Qty 1 U-00006A Wheel Fairing Bracket

Qty 1 U-00006C Drill Template

Qty 6 K1000-08 nutplates

Qty 24 CCR-264SS-3-2 rivets

REFERENCE DOCUMENTATION

[RV-12 Builder's Manual, Page 36-09, Revision 0](#)

[RV-12 Builder's Manual, Page 36-10, Revision 1](#)

[RV-12 Builder's Manual, Page 36-11, Revision 1](#)

**Step 1:** Remove the U-00005B Wheel Fairing Aft and U-00005A Wheel Fairing Front from the WD-1230 Nose Fork.

Step 2: Inspect U-00006A-L/R Wheel Fairing Brackets for cracks at the locations depicted in Figure 1 below.

If a crack is found:

Step a: Drill off the U-00006A-L/R Wheel Fairing Brackets from the U-00006B Splice Strips.

Step b: Install new U-00006A-L/R Wheel Fairing Brackets per Page 36-09, Revision 0.

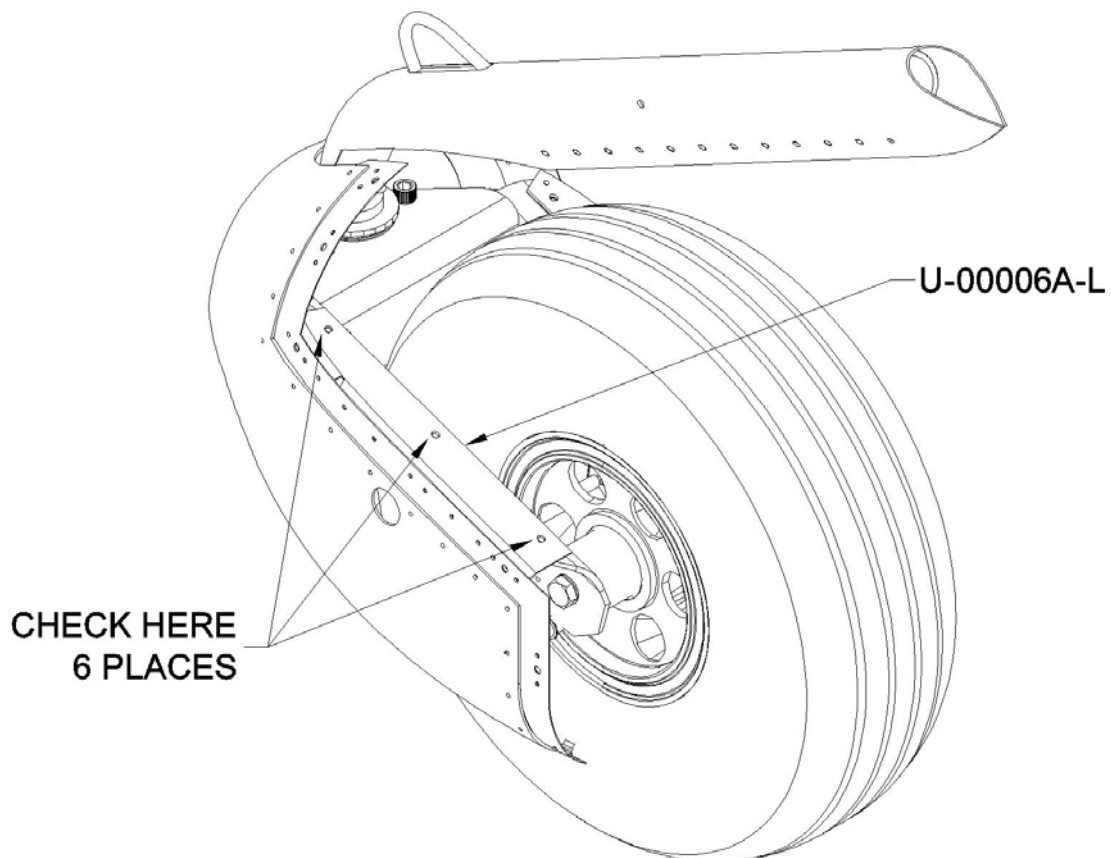
Step c: Complete step aa below.

If no cracks are found:

Step aa: Install U-00006D Doubler Plates per Page 36-10, Revision 1.

Step 3: Reinstall the U-00005A Wheel Fairing Front and U-00005B Wheel Fairing Aft to the WD-1230 Nose Fork per Page 36-11 of the RV-12 Builder's Manual.

Step 4: Make a logbook entry indicating compliance with Service Bulletin 12-08-09.



**FIGURE 1**