

SERVICE BULLETIN NO. SB-114-37

DATE DEC 7, 2017

## INSPECTION OF MAIN LANDING UPPER SIDE BRACE

MODELS AFFECTED: Model 114, S/N 14000 thru 14442; Model 114A, S/N 14500 thru 14540;  
Model 114B, S/N 14541 thru 14666; Model 114TC, S/N 20001 thru 20038

REASON FOR PUBLICATION: To inspect for cracking of the upper side brace in the area of the retraction cylinder attachment

COMPLIANCE: PART I: Within the next 50 hours time in service or the next regularly scheduled maintenance (whichever comes first) and each scheduled maintenance there after

BY WHOM WORK WILL BE ACCOMPLISHED: Airframe Mechanic or equivalent

ESTIMATED MAN HOURS: PART I: 20 minutes per side (visual)  
60 minutes per side (dye penetrant)

### PART DATA:

#### PART I:

QTY PER GEAR	PART NUMBER	DESCRIPTION
1	45303-1	SIDE BRACE ASSY, L/H-UPPER
1	45303-2	SIDE BRACE ASSY, R/H-UPPER

#### PART II:

1	-----	COMPLIANCE CARD
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SPECIAL TOOLS REQUIRED: Inspection mirror, light

### ACCOMPLISHMENT INSTRUCTIONS:

#### PART I: INSPECTION OF MAIN LANDING GEAR UPPER SIDE BRACE LINK

1. With the P/N 45303-1/-2 upper side brace in place, inspect all surfaces along the length of the link, with close attention to the upper and forward/aft surfaces in the transition area of the retraction cylinder lug.

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Reference photos, 1, 2 and 3 for general location (R/H side shown). If close visual inspection shows no indication of cracking, proceed to compliance.

2. If close visual inspection indicates possible cracking of the link, proceed to further inspection by performing dye check of the suspect area, or by additional methods as may be required.

3. Removal of the side brace for more detailed inspection will require jacking airplane as outlined in the Model 114B/114TC Maintenance Manual, Section 2, performing a Landing Gear operational check per Model 114B/114TC Maintenance Manual Section 6 and removal of the airplane from the jacks per the Model 114B/114TC Maintenance Manual Section 2.

4. If the further evaluation of the P/N 45303-1/-2 side brace assembly considers it to be not repairable, replace it with a serviceable part.



Photo 1



Photo 2



Photo 3

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ELECTRICAL LOAD: No change

WEIGHT AND BALANCE: No change

PUBLICATIONS AFFECTED: No Change

RECORD COMPLIANCE: Make appropriate entry in airplane maintenance records as follows: Service Bulletin No. SB-114-37, Dated Dec 7, 2017, entitled "Inspection of Main Landing Gear Upper Side Brace", Part I accomplished       (date)      . Fill out and return Compliance Card.

Please complete this form and email to

Commander Aircraft Corporation



1600 Westheimer Dr.  
Norman, OK 73069

**SB-114-37 COMPLIANCE FORM**

**INSPECTION OF MAIN LANDING GEAR UPPER SIDE BRACE**

**INSPECTION RESULTS**

Owner's Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

City: \_\_\_\_\_ State/Province: \_\_\_\_\_ County: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Aircraft Registration Number: \_\_\_\_\_ Aircraft Serial Number: \_\_\_\_\_

Name of Person(s) Performing inspection and/or work: \_\_\_\_\_

Phone number: \_\_\_\_\_ Email: \_\_\_\_\_

**PART I:**

P/N 45303-1/-2 side brace assembly, upper shows no indication of cracking

Check the box to the right

If the further inspection results in no crack being present, restore finish and proceed to compliance

Check the box to the right

If the P/N 45303-1-2 side brace assembly, upper shows an indication of cracking to any extent, remove from service and report for further evaluation.

Check the box to the right

If the further evaluation of the P/N 45303-1/-2 side brace assembly considers it to be not repairable, replace it with a serviceable part.

Check the box to the right

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ISSUED BY Xu, Xing

APPROVED BY \_\_\_\_\_

DATE \_\_\_\_\_