

SERVICE BULLETIN No. 300-1-91

**Extra considers
compliance mandatory**

This Service Bulletin is divided in TWO PARTS, check each PART
for specific Compliance Time and Instructions

Subject: Main undercarriage U-spring
mounting clamps.
Inspection and/or replacement.

Models affected: EA-300

Serial numbers affected: 03, 05, 06, 015 through 026

Purpose: Under certain conditions, deformations and cracks have developed in the main undercarriage U-spring mounting clamps on both sides. If cracks exist and are not corrected, the strength of the main landing gear attachment could be reduced. If deformations exist, the abrasion strips could be displaced and subsequently the glass fibre spring could be abraded. This Service Bulletin requires a repetitive inspection of the undercarriage U-spring mounting clamps to determine if cracks or deformations exist, and replacement of the main undercarriage mounting clamps with reinforced parts to eliminate the condition.

PART I of this Service Bulletin provides instructions for initial and repetitive inspection to detect deformations or cracks in the main undercarriage U-spring mounting clamps.

PART II of this Service Bulletin announces the replacement if cracks or deformations are found.

Performance of Part II will eliminate the repetitive inspection requirements of PART I.

Approval: The technical contents of this Service Bulletin have been approved by the LBA.

PART I

Compliance time: For all affected aircraft listed above within the next 25 hours time in service, and every 50 hours time in service thereafter or before next flight if the aircraft was subjected to a excessively hard landing, until compliance with PART II of this Bulletin.

Instructions:

1. Remove main landing gear cuffs on both sides.
2. Inspect undercarriage U-spring mounting clamps for hairline cracks and permanently deformed areas around mounting bolts as shown on sketch "A".
3. If hairline cracks or not permissible permanently deformations are found, comply with PART II of this Service Bulletin.
4. If no hairline cracks or not permissible permanently deformations are found, replace main landing gear cuffs on both sides. Make sure of proper attachment.
5. Make appropriate logbook entry of compliance with PART I of this Service Bulletin.

PART II

Compliance time: Prior to further flight if hairline cracks or deformations are found during compliance with PART I of this Service Bulletin; or at owner/operator's discretion to eliminate the repetitive inspection requirements of PART I.

Instructions:

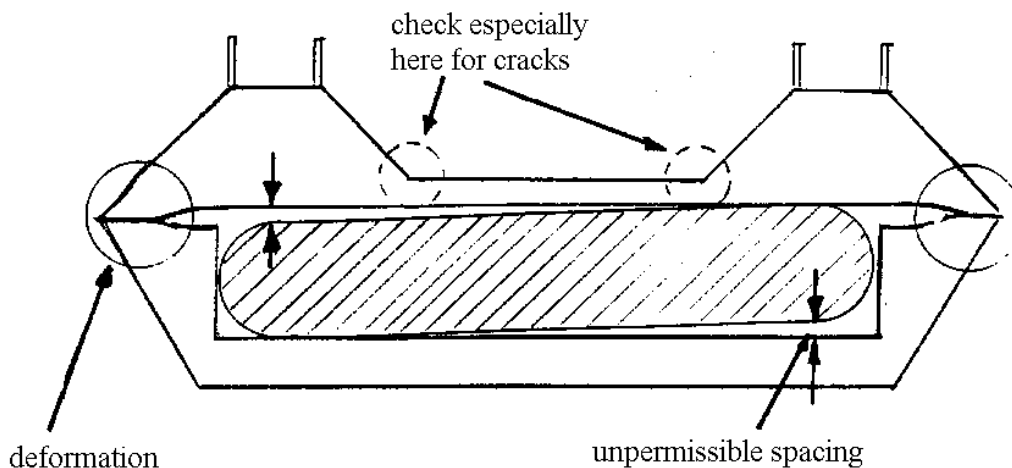
1. Remove top of and bottom of engine cowling.
2. Lift the aircraft using the engine lifting eyes. Ensure lateral stability of lifted aircraft.

Note: Step 3 through 7 are to be performed seperately on both sides of the aircraft

3. Remove main undercarriage cuff.
4. Remove U-spring mounting clamp, including abraision strips
5. Glue new abrasion strips to new mounting clamp (top & bottom half).
6. Install new mounting clamp. Make sure to use only new self locking nuts (as provided in replacement kit) and tighten properly.
7. Reinstall cuffs.
8. Make appropriate logbook entry of compliance with PART II of this Service Bulletin.

Material required and availability of parts: In case of compliance with part II is found to be necessary, two U-spring mounting clamp assemblies containing the mounting clamps, respective abrasion strips and miscellaneous materials such as nuts, bolts etc. can be ordered from the manufacturer. For complete material break-down refer to list given below.

Sketch "A": Possible damage of the U-spring mounting clamp



Material break-down for replacement of U-spring mounting clamp:

DESCRIPTION	NO.Req	PART NO.
CLAMP ASSEMBLY:		
U-spring mounting clamp, top half	2	PC-53101.1
U-spring mounting clamp, bottom half	2	PC-53101.4
TOP HALF TO BOTTOM HALF ASSEMBLY:		
bolt LN9037-08035	4	PC-00058
washer DIN125 M8	8	PC-00418
stop nut LN9348-08	4	PC-00078
abrasion strip, top & bottom	2	PC-53101.6
CLAMP TO FUSELAGE ASSEMBLY:		
bolt LN9037-10054	4	PC-01320
washer DIN125 M10	8	PC-00419
stop nut LN9348-010	4	PC-00414