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**SERVICE BULLETIN**

**SB018-94**

Subject: Lancair 320/360 rudder pivots (RD7)

Date: July 7<sup>th</sup>, 1994

Ref: Applies ONLY to kits delivered between Oct. 6, 1993 and June 30<sup>th</sup>, 1994

Pages: 1

Status: Mandatory Inspection

**Background:** AU 320 / 360 style rudder pivots use an AN4 bolt as a pivot stud. This bolt must be pressed into an interference fit hole in the RD7 aluminum brackets, which are then potted into the rudder.

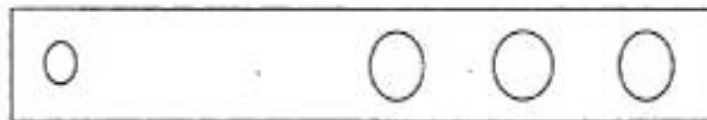
**Issue:** We received word from one customer that the press fit hole in the RD7 was oversized and did not create a true "press fit". There should be at least a 0.001 interference fit. Without a press fit, the installation is unacceptable as the bolt (or stud) must be pressed into position as well as bonded with paste adhesive to assure position integrity.

**What to do:** If you have not yet installed the RD7 brackets, check them for this press fit condition. If the hole (smaller of the holes in the bracket) allows the AN4 bolt to easily slip through, then the part is unacceptable. Return it to us and we will send a proper replacement.

If you have already installed this then be sure that the bolt did require a 'press' to get it inserted into the RD7 bracket. (We also recommend that a paste adhesive be additionally used to insure stud position integrity.)

If you have a situation where a slip fit existed and you installed the part anyway using only paste adhesive to secure the stud, then this is considered non-airworthy. If such a case exists, please contact our technical staff for suitable remedies.

**RD7 BRACKET**



Press fit  
**REQUIRED**  
for AN4 pivot bolt

typ. epoxy/flox holes