

GLASTAR SERVICE BULLETIN 22

MANDATORY

Subject: AN470A3-4.5 soft rivets

Applicability: GlaStar tail kits shipped between 1/1/97 and 3/1/97, inclusive (kit serial numbers 5096, 5319, 5367, 5368, 5370–5374, 5376, 5377, 5380–5384, 5386–5392, 5394–5414, 5416–5426, and three other tail kits for which kit serial numbers were not issued)

Discussion: It has come to our attention that the supply of AN470AD3-4.5 universal-head rivets shipped with several GlaStar tail kits was contaminated with some AN470A3-4.5 rivets. These "A"-series rivets, which were inadvertently mixed in with the "AD"-series rivets by our vendor, are made of a much softer aluminum alloy than the "AD"-series specified for the GlaStar and therefore have insufficient strength. **They should not be used anywhere in GlaStar construction.** We have revised our quality assurance procedures to prevent this sort of error from occurring in the future.

Required Action: First, inspect your supply of AN470AD3-4.5 rivets and **remove** all the soft, "A"-series rivets. They can be distinguished from the "AD"-series rivets by the heads. As shown in Figure 1, the standard, "AD"-series rivets have a small dimple in the center of the head, while the soft, "A"-series rivets have plain heads.

Second, inspect any completed work on your GlaStar tail surfaces to see if any soft, "A"-series rivets were used. If you discover any soft rivets, **you must drill them out and replace them** with proper AN470AD3-4.5 rivets. If necessary, refer to "SECTION II: TOOLS AND TECHNIQUES" in the *GlaStar Assembly Manual* to refresh your memory on the proper procedure for replacing soft rivets.

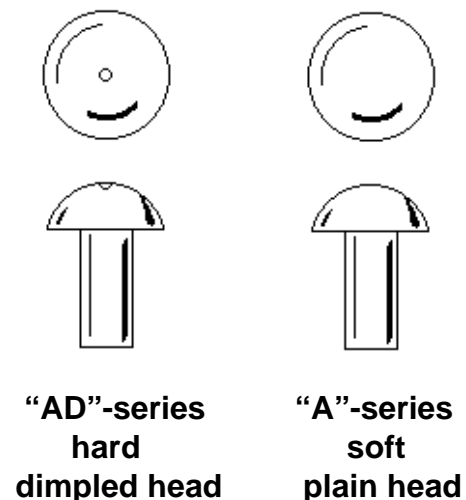

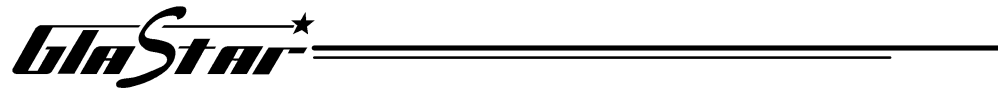



Figure 1

	REVISION:	DATE: 3/31/97	PAGE: 1 of 2
---	-----------	------------------	-----------------



If you run short of AN470AD3-4.5 rivets as a result of culling soft, "A"-series rivets from your stock, please contact Stoddard-Hamilton Option Sales for replacements. However, we customarily send ten–twenty percent more rivets of each size than specified, so you may find you have enough extra already on hand. If you need replacement rivets, contact Stoddard-Hamilton by June 15, 1997, to receive them at no charge.

 <p>STODDARD-HAMILTON AIRCRAFT INCORPORATED</p>	REVISION:	DATE: 3/31/97	PAGE: 2 of 2
---	-----------	------------------	-----------------