

GLASTAR SERVICE BULLETIN 29

MANDATORY



Note This is Revision A. It supersedes the initial release of this bulletin.


Subject: AN509-10R10 flush-head machine screws

Applicability: Fuselage kits shipped prior to 3/28/97

Discussion: In March of this year, a builder brought to our attention that some AN507-10R10 flush-head machine screws had been supplied in his fuselage kit in place of the AN509-10R10s called out on the Kit Contents List and the hardware tray template. Both of these screws are 3/16" in diameter and 5/8" long. However, the 507 screw has threads along its entire length, while the 509 has an unthreaded shank between the head and the threads. The 507s are intended only for applications where the main loads are tension loads, while the 509s are appropriate for handling tension or shear loads.

We strongly suspect that this contamination was limited to a very short period of time before the discovery, but since we have no way to absolutely verify that, we prescribe that each builder perform the inspections detailed below.

Required Action: Inspect your fuselage hardware tray and remove any AN507-10R10 screws that may be in the AN509-10R10 bin. Also, check locations where AN509-10R10 screws are called out to make sure you have not inadvertently installed AN507-10R10s. The 509s are specified for the aft shell attach fittings. Refer to Page 64 of "SECTION VIII: FUSELAGE ASSEMBLY" in your *Assembly Manual*. Replace any AN507-10R10s you find with the proper 509s.

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