

GLASTAR SERVICE BULLETIN 18

MANDATORY

Subject: 6.00/8.00 X 6 brake mounting flange assembly [P/N 401-01550-01]

Applicability: GlaStar 6.00 X 6 and 8.00 X 6 landing gear kits shipped prior to 12/16/96

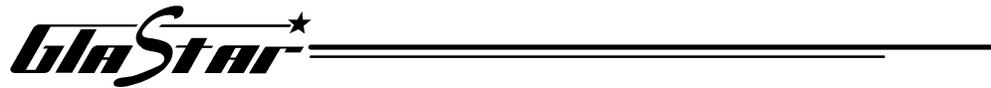
Discussion: First-run brake mounting flange assemblies for the 6.00 and 8.00 X 6 taildragger landing gear used a sleeve with a wall thickness of .065". Initial testing and subsequent engineering calculations revealed that this wall thickness did not provide sufficient bearing surface to enable to the AN5 bolts through the sleeves and main gear axles to bear the loads imposed by heavy braking. For this reason, the wall thickness on subsequent sleeves was increased to .156". Flange assemblies with the thicker-walled sleeves were designated with P/N 401-01550-03 or -05. The -05s are slightly longer than the -03s, and they are installed using slightly different procedures; both variants are equally serviceable, and the different installation procedures are detailed in the 6.00/8.00 X 6 Landing Gears Instructions [P/N 063-09006-01]. These instructions are included with all 6.00 or 8.00 X 6 wheel installation kits.

Unfortunately, some -01 flange assemblies was shipped to builders. Also, some -03 flange assemblies were shipped out under shipping parts lists specifying -01 flange assemblies. Some of these -03s may have been marked as -01s; others are unmarked.

Required Action: The first required action is to identify conclusively which variant of the brake mounting flange assemblies you received with your landing gear kit. In making this determination, please completely disregard any part numbers stamped on the parts or listed on the shipping parts list. Instead check the **wall thickness** and the **length of the sleeve portion** of each flange assembly against the following dimensions:

P/N	Sleeve Wall Thickness	Sleeve Length
401-01550-01	.065"	1.47"
401-01550-03	.156"	1.47"
401-01550-05	.156"	1.60"

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If you find that you have -01 flange assemblies, please do the following:

1. Call our Option Sales Department to arrange shipment of -05 replacement flanges. Please call to place your order for replacement flanges at your earliest convenience. We will process replacement orders on a priority basis and will ship the new flanges to you at our expense as soon as possible. Please be aware, however, that the -05 flange assemblies are still in the early stages of production at this time; we anticipate that they will begin to become available in February 1997. When you call, please refer to GlaStar Service Bulletin 18.
2. Please discard or destroy the -01 flange assemblies to insure that they are not used on any aircraft.



Note If you received a 6.00 or 8.00 X 6 landing gear kit in which -01 brake mounting flange assemblies were backordered, your backorder will automatically be filled with -05 flange assemblies. No action on your part is required.

If you find that you have -03 or -05 flanges, no further action is required.

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