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SERVICE BULLETIN

SB045-1098

Subject: New IV Fast Build Wings, Flaps, and other issues.

Date: 14 Oct., 98

Ref: Construction Manual

Pages: 1

Status: Advisory

The purpose of this service bulletin is to acquaint the builder with some frequently asked questions and a warning on fastener lengths.

Fastener Lengths

Never assume that a non-permanently attached fastener is the correct length. As an example, we ship the screws for the flap track brackets (Ref. 7-10) part number 91255A555. As has been pointed out by one of our builders, the lengths shipped may not be correct in some cases due to stacking tolerances, etc. It is therefore the responsibility of the builder to verify the proper length of any fastener he/she installs. We recommend at least one complete thread through the fastener. For your reference the 1/2" screw is part number 912A553, 5/8" is 91255A555, and the 3/4" 91255A557. Please contact our service department if you need a different length than supplied with.

Click Bond Nutplates

This is a new produce which is getting more and more use at Lancair. This is a certified fastener product and is used extensively throughout the industry. These floating nutplates are bonded to the structures with a Hysol product. We use them in the flaps, some parts of the wing, and in the fuselage. Care must be taken so as to not break them loose. To prevent that from occurring, avoid using excessive force on the fastener by pushing down on the wrench of screw driver. If you should have one break loose, please contact us for a replacement and installation instructions.

Note: We have recently switched to a different adhesive (Hysol) which has shown to improve adhesion.

Fuel Vent Line

We have switched to a 3/8" diameter fuel vent line system. As of today, we are still backordered on the vent line check valves with our vendor. We have an installation drawing available. This will allow you to install all necessary hardware to close the wings without the check valve (the check valve is external).