

APPLICABLE MODELS

PA-24, PA-24-250, PA-24-260 and PA-24-400

WING FILLET**INSTALLATION MANUAL****ISSUE DATE 04/01/95**

Knots 2U, Ltd.
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**FAA
APPROVED**

OCT 31 1995

John Ace-116C
CHICAGO AIRCRAFT
CERTIFICATION OFFICE
CENTRAL REGION

REVISIONS

REV#	DATE	PAGE	EFFECT
A	10/25/95	1&2	ADDED RUBBER CHANNEL AND IMPLEMENTED RETENTION OF TOP FLAP/FUSELAGE SEALS IF ALREADY INSTALLED AND INSTALLATION OF SAME, IF NOT ALREADY INSTALLED.

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PA-24 WING FILLET INSTALLATION STC No. SA371CH

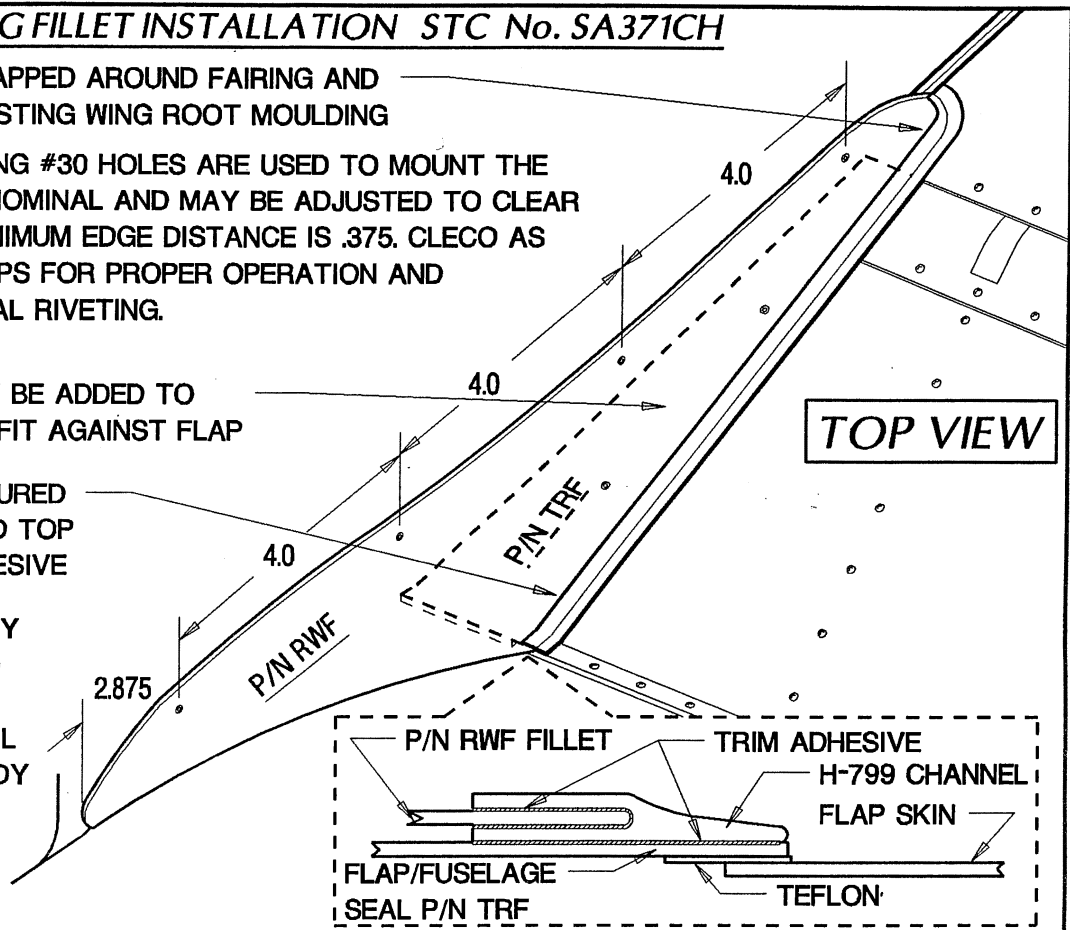
RUBBER CHANNEL IS WRAPPED AROUND FAIRING AND TRIMMED TO MATCH EXISTING WING ROOT MOULDING

13 P/N AB4-4 RIVETS, USING #30 HOLES ARE USED TO MOUNT THE FILLET. ALL SPACING IS NOMINAL AND MAY BE ADJUSTED TO CLEAR EXISTING HARDWARE. MINIMUM EDGE DISTANCE IS .375. CLECO AS YOU GO AND CHECK FLAPS FOR PROPER OPERATION AND CLEARANCE, BEFORE FINAL RIVETING.

ADDITIONAL RIVETS MAY BE ADDED TO THIS AREA TO IMPROVE FIT AGAINST FLAP

RUBBER CHANNEL IS SECURED TO EDGE OF FAIRING AND TOP OF SEAL WITH TRIM ADHESIVE

FLAP/FUSELAGE SEAL MAY REQUIRE C/S SCREWS TO CLEAR FILLET. TRF MUST BE INSTALLED, PER DETAIL IF AIRCRAFT NOT ALREADY FITTED WITH SAME



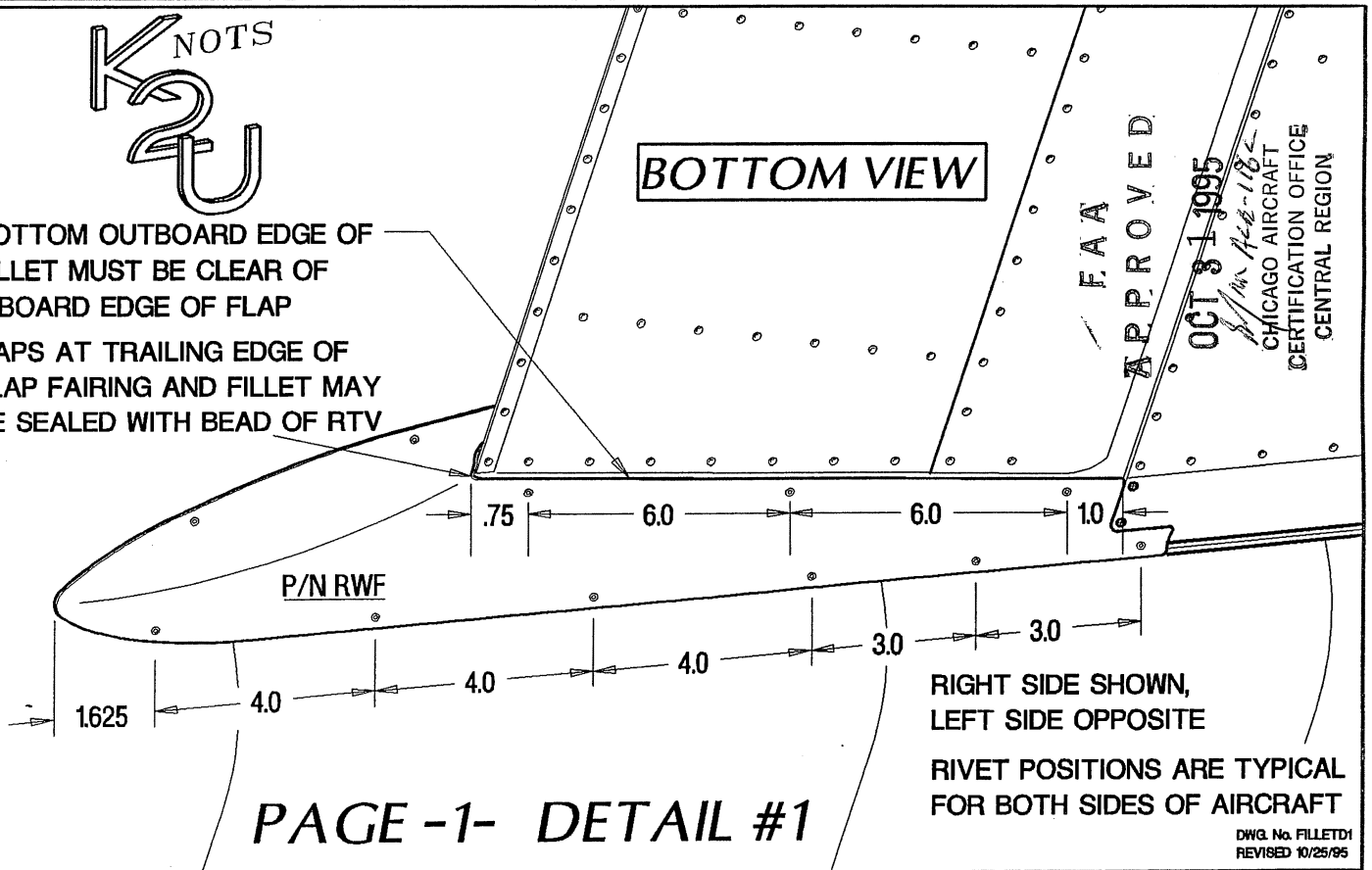
TOP VIEW

KNOTS
24

BOTTOM VIEW

BOTTOM OUTBOARD EDGE OF FILLET MUST BE CLEAR OF INBOARD EDGE OF FLAP

GAPS AT TRAILING EDGE OF FLAP FAIRING AND FILLET MAY BE SEALED WITH BEAD OF RTV



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RIGHT SIDE SHOWN, LEFT SIDE OPPOSITE

RIVET POSITIONS ARE TYPICAL FOR BOTH SIDES OF AIRCRAFT

PAGE -1- DETAIL #1

DWG. No. FILLET01
REVISED 10/25/95

= SECTION 2.0 PARTS LIST =

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<u>PART NUMBER</u>	<u>NO. REQ</u>	<u>DESCRIPTION</u>
RWF	1	RIGHT WING FILLET
LWF	1	LEFT WING FILLET
AB4-4	30	RIVET
H-799	2.5 FT.	CHANNEL (WAG-AERO CATALOGUE)
TRF*	1*	TOP RIGHT FLAP/FUSELAGE SEAL*
TLF*	1*	TOP LEFT FLAP/FUSELAGE SEAL*

*(NOT SUPPLIED IF ALREADY INSTALLED ON AIRCRAFT)

= SECTION 3.0 PAPERWORK =

PERFORM PAPERWORK (337 AND LOG BOOK ENTRIES). PLACE SUPPLEMENTAL TYPE CERTIFICATE AND KNOTS 2U, INC. MAINTENANCE MANUAL WITH LOG BOOKS.

WEIGHT AND BALANCE CHANGE IF P/N TRF ALREADY INSTALLED = NEGLIGIBLE

WEIGHT AND BALANCE CHANGE IF P/N TRF ADDED = + 1.0 LB. ARM = 140 IN. MOMENT = 140.0

= SECTION 4.0 MAINTENANCE MANUAL =

KNOTS 2U, INC.

PIPER PA - 24

WING FILLET

PART A. INSPECTION

1. DURING ANNUAL OR 100 HOUR INSPECTIONS, INSPECT FIBERGLASS FOR CRACKS AND ATTACHMENT HARDWARE FOR LOOSENESS OR WEAR. ALSO, CHECK FLAP OPERATION FOR BINDING.

PART B. MAINTENANCE

1. IF THE ATTACHMENT HARDWARE IS FOUND TO BE EXCESSIVELY WORN OR LOOSE DURING THE 100 HOUR/ANNUAL INSPECTION, IT SHOULD BE REPLACED.
2. IF THE FLAP BINDS OR THE FAIRING IS NOT SEALING PROPERLY THE FAIRING MUST BE ADJUSTED AND/OR TRIMMED TO CORRECT THE DEFECT.

PART C. CRACKING OR DEFECTS

1. IF A CRACK IS FOUND IN THE FILLET, REPAIR THE CRACK ACCORDING TO FAR 43.13 1A ACCEPTABLE METHODS, TECHNIQUES, AND PRACTICES AIRCRAFT INSPECTION AND REPAIR, CHAPTER 2.