

DATE: April 9, 1976

SUBJECT: FUEL LINE INSPECTION

SERIALS AFFECTED: AA5A-0001 through AA5A-0124 having optional long-range fuel tanks
AA5B-0001 through AA5B-0258

TIME OF COMPLIANCE: At next scheduled inspection, or sooner at owner's discretion

GENERAL

A few reports have been received of interference between the aft spanwise fuel line and the wing root access cover outboard attach screw.

INSPECTION (See Figure 1.)

1. Prepare the airplane for safe maintenance. Remove the aft inspection cover from the underside of the left and right wing roots. The inspection covers are each secured with six screws.
2. In the area of the inspection cover outboard attach screw, inspect the wing fuel lines for chafing.
3. If chafing is evident, measure the fuel line wall thickness reduction at its deepest point.
4. If chafing results in a fuel line wall thickness reduction of more than 0.006 inch, replace the fuel line. If the reduction is 0.006 inch or less, the line may be polished to remove stress concentrations and returned to service.
5. If chafing was noted above, or if the most outboard attach screw is vertically aligned with the fuel line, modify the inspection cover installation as indicated below.

MODIFICATION

NOTE: To avoid possible interference with the fuel line beyond the elbow, locate the new holes exactly as indicated below.

1. In the left wing root, use the inspection cover as a template to locate six holes rotated 20 degrees counterclockwise from the existing holes.
2. Drill six 0.192/0.202 inch holes at the new locations.
3. Move the clip nuts to the new holes. Temporarily install the screws closest to the fuel line. Deflect the fuel line downward by hand to make sure no interference exists between the fuel line and the screws.

4. Remove the screws, install the inspection covers, and secure with screws.
5. In the right wing root, use the inspection cover as a template to locate six holes rotated 20 degrees clockwise from the existing holes.
6. Repeat Steps 2. through 4. above.

PARTS INFORMATION

Fuel line, Part Number 5401121-729, price \$19.00 (H) is available from your authorized Grumman American Aviation Dealer.

CREDIT ALLOWANCE

A full parts and labor allowance of .25 hours for the inspection and 1.0 hour for modification (if required) at the dealer's prevailing shop rate will be available for each airplane that is within the warranty period. No parts or labor allowance will be made for airplanes falling beyond the warranty period.

All work must be performed or authorized by a Grumman American Aviation Dealer. A completed Warranty Claim Form No. GAA-740 must be submitted to the factory before October 31, 1976 for credit allowance.

Immediately on completion of work, a Service Reply Card (attached), is to be completed and returned, noting compliance with the requirements of this Service Bulletin No. 154.

Prices subject to change without notice.

GRUMMAN AMERICAN AVIATION CORPORATION

REB:lr

Distribution (02)

(LEFT HAND WING UNDERSIDE LOOKING UP)

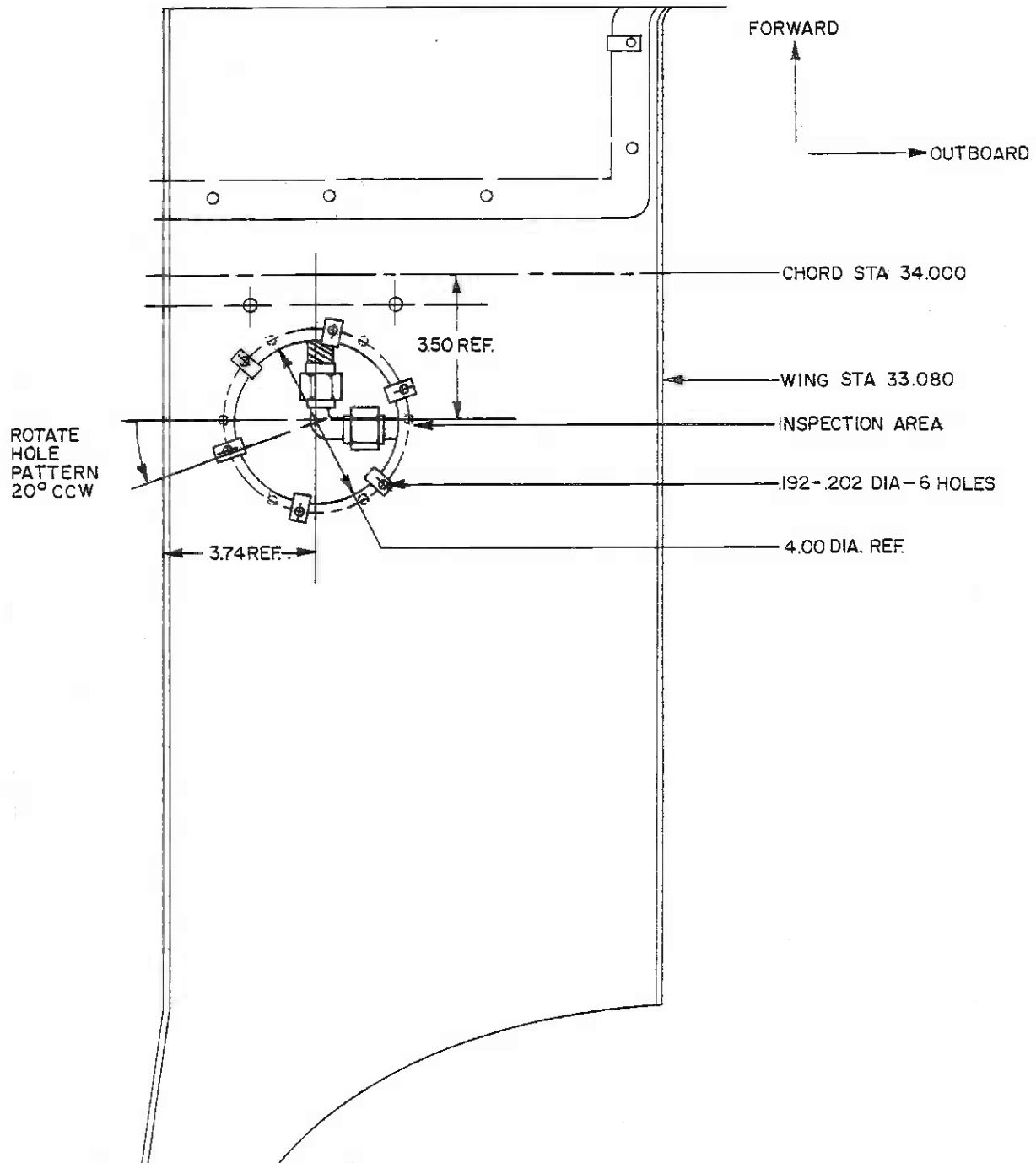


Figure 1. Wing Root Installation (Left-Hand Shown, Right Hand Similar)