

9 0 80X 2208 SANNAVAS 201402 (912)964-3000 TELEX NO. 54-6470

## SEKVICE

SERVACE LETTER NO. 75-4
"FAA DOA EA-4 APPROVED"

DATE:

June 1, 1975

SUBJECT:

LANDING LIGHT REPLACEMENT

SERIALS AFFECTED:

All Model AA-1 and AA-1A, AAlB-0001 thru AAlB-0550.

and AA5-0001 thru AA5-0640

TIME OF COMPLIANCE:

Each time landing light is replaced.

## GENERAL

The cowl mounted landing light and retainers on the aircraft serials affected, are subject to premature failure if installed improperly and/or nonstandard attach hardware is used for assembly. Therefore, this Service Letter provides lamp replacement instructions, specifies the attach hardward and identifies improvements that may be incorporated.

Two types of lamp mounting have been used to secure the lamp to the forward cowl. Reference to the applicable replacement instructions should be made, prior to replacing the lamp.

## REPLACEMENT INSTRUCTIONS - FIGURE 1

pplicable serials: All Model AA-1 and AA-1A; AA1B-0001 thru AA1B-0338; AA1B-0340; AA1B-0343; AA1B-0346 thru AA1B-0370; AA5-0001 thru AA5-0640.

- 1. From behind the forward cowl, remove existing lamp and inspect retainer, support and flange assemblies for cracks; screws and anchor nuts for type specified and thread condition; and tapes for deterioration. Replace all items that are worn or damaged.
- 2. View the intersection of the locating notch and the inside diameter of the 804003-503 Retainer Assembly shown in Detail A. If a sharp corner exists, round off to .06 inch radius.
- 3. If 804003-5 & -6 Tapes were not provided as original equipment, fabricate tapes out of .06 inch thick vinyl foam tape (single faced) and attach as shown in Details A and B.
- 4. Subassemble retainer, lamp, support, screws and springs, and loosely attach to forward cowl. Adjust light to lowest position possible by tightening top adjustment screw fully and lower two screws only enough to eliminate gap between lamp and cowl.
- 5. Refer to applicable Service Manual for final adjustment specifications.

## REPLACEMENT INSTRUCTIONS - FIGURE 2

oplicable serials: AA1B-0339; AA1B-0341; AA1B-0342; AA1B-0344; AA1B-0345; AA1B-0371 thru AA1B-0550.

OBMATCH LOTTER BOY / 2-4 Page 2 of 3 NAS680A08 Anchor Nut (3)-1202-0306 Rivet (6) LC-045D-7 Spring (3) AN526-832R20 Screw (3)-4509 Lamp -Y9132A Vinyl Foam Tape 804003-2 Doubler LO 1601-0412 Rivet (5) AN960-6 Washer (5) Forward Cowl (Ref.) See Detail A 804003-501 Flange Assy. Sée Detail B Figure 1: All Model AA-1 and AA-1A; AA1B-0001 thru AA1B-0338; AA1B-0340; AA1B-0343; AA1B-0346 thru AA1B-0370; AA5-0001 thru AA5-0640. 804003-6 Tape 804003-5 Tape (3)  $(.06 \times .50 \times 2.0)$  $(.06 \times .25 \times 1.5)$ 804003-503-.06 Radius 804003-502 Support Assy. (2 places) Retainer Assy. / Detail B \_Detail A (View looking aft, NAS680A08 Anchor Nut (3) (View looking forward, 1202-0306 Rivet (6) half size) half size) AN526-832R20 Screw (3)-See Detail A 804003-501 Flange Assy. 4509 Lamp -<u>ζ</u>Ο 1601-0412 Rivet (4) AN960-6 Washer (4) (Screws & nuts replace rivets, on some installations) Forward Cowl (Ref.) See Detail B 804049-1 Seal Figure 2: AA1B-0339; AA1B-0341; AA1B-0342; AA1B-0344; AA1B-0345; AA1B-0371 thru AAlB-0550.

- 1. From behind the forward cowl, remove existing lamp and inspect retainer, support and flange assemblies for cracks; screws and anchor nuts for type specified and thread condition; and seal and tapes for deterioration. Replace all items that are worn or damaged.
- 2. View the intersection of the locating notch and the inside diameter of the 804003-503 Retainer Assembly shown in Detail A. If a sharp corner exists, round off to .06 inch radius.
- 3. If 804003-5 & -6 Tapes were not provided as original equipment, fabricate tapes out of .06 inch thick vinyl foam tape (single faced) and attach as shown in Details A and B.
- 4. Cement 804049-1 Seal to 804003-502 Support Assembly, if not joined on original installation. Contact Cement 2210, 3-M Company, is an approved adhesive.
- 5. Subassemble retainer, lamp, support/seal assembly and screws, and loosely attach to forward cowl. Tighten screws until seal is compressed to .68 + .10 prior to landing light adjustment.
- 6. Refer to applicable Service Manual for final adjustment specifications. Do not compress seal to less than .50 inch thick.

Parts required for the above, are available from your authorized Grumman American Aviation Corporation Dealer.

Since the landing light replacement is a normal service item, no parts or labor allowance will be available for compliance with this Service Letter.

Very truly yours,

GRUMMAN AMERICAN AVIATION CORPORATION

Russ E. Belles

Customer Service Manager

REB: jmz

Distribution (02)