

SERVICE LETTER NO. 74-6

DATE: May 24, 1974

SUBJECT: BUSS BAR/BEARING COLLAR CLEARANCE

SERIALS AFFECTED: AA1B-0238 thru AA1B-0296, AA1B-0298 thru AA1B-0318,
AA1B-0320 thru AA1B-0337, AA1B-0339 thru AA1B-0343,
AA1B-0345 thru AA1B-0356, AA1B-0358 thru AA1B-0376,
AA1B-0380, AA1B-0382 thru AA1B-0384, AA1B-0386 thru
AA1B-0388, AA1B-0391 and AA1B-0395.

AA5-0406 thru AA5-0548, AA5-0551 and AA5-0552.

TIME OF COMPLIANCE: At next scheduled inspection, or sooner if maintenance is performed behind the instrument panel.

General

To preclude the possibility of inadvertent grounding of the electrical system, due to deflecting or bending of the buss bar, a recent production change has increased the clearance between the buss bar and the right hand control shaft bearing collar.

In order to verify that adequate clearance exists on the above listed serials, the following "onetime" inspection and modification, if required, is recommended in the compliance time suggested.

Inspection

The minimum clearance between the buss bar and the right hand control shaft bearing collar is 1/8" (See Figure 1). This clearance may be checked as follows:

1. Confirm that the master switch is in the "OFF" position.
2. Gain access to the buss bar/bearing collar area by removing the right hand control wheel shaft.
3. Obtain a 1/8" thick feeler gauge and from under the instrument panel, attempt to insert the gauge between the buss bar and the right hand control shaft bearing collar.
4. If the gauge can be inserted, without deflecting or bending the buss bar, no further action is required. If the gauge cannot be inserted, or if deflecting or bending of the buss bar occurs, proceed to the modification steps listed below.
5. Install the right hand control wheel shaft.

Modification

1. Confirm that the master switch is in the "OFF" position.

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Modification Cont'd

2. Remove the right hand control wheel shaft.
3. Remove the right hand vent airbox by taking out the two plug buttons on the under side of the box and using a long Phillips screwdriver, remove the screws attaching the airbox to the instrument panel.
4. Bend or trim the inboard aft corner of the buss bar to obtain 1/8" clearance between buss bar and the right hand control shaft bearing collar (See Figure 1).

C A U T I O N

Avoid stressing the buss bar, as separation of the buss bar/fuse holder solder connections could occur.

5. Install the right hand vent airbox and reseal to the fuselage with sealant (RTV102 by General Electric or 732 RTV by Dow-Corning).
6. Install the right hand control wheel shaft.
7. Check electrical system for proper operation.

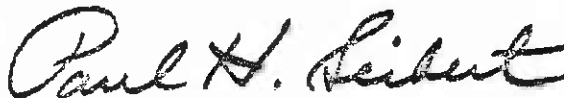
Credit Allowance

A labor credit allowance of .5 hours for the inspection and 2.0 hours for the modification, if required, at the Dealer's prevailing shop rate, will be available for each affected aircraft for compliance with this Service Letter.

All work must be performed or authorized by a Grumman American Aviation Corporation Dealer or representative and a completed Warranty Claim, Form GAA-740, submitted to the factory prior to January 1, 1975 for credit allowance.

Very truly yours,

GRUMMAN AMERICAN AVIATION CORPORATION



Paul H. Seibert
Customer Service Manager

PHS:jd

Distribution (B)

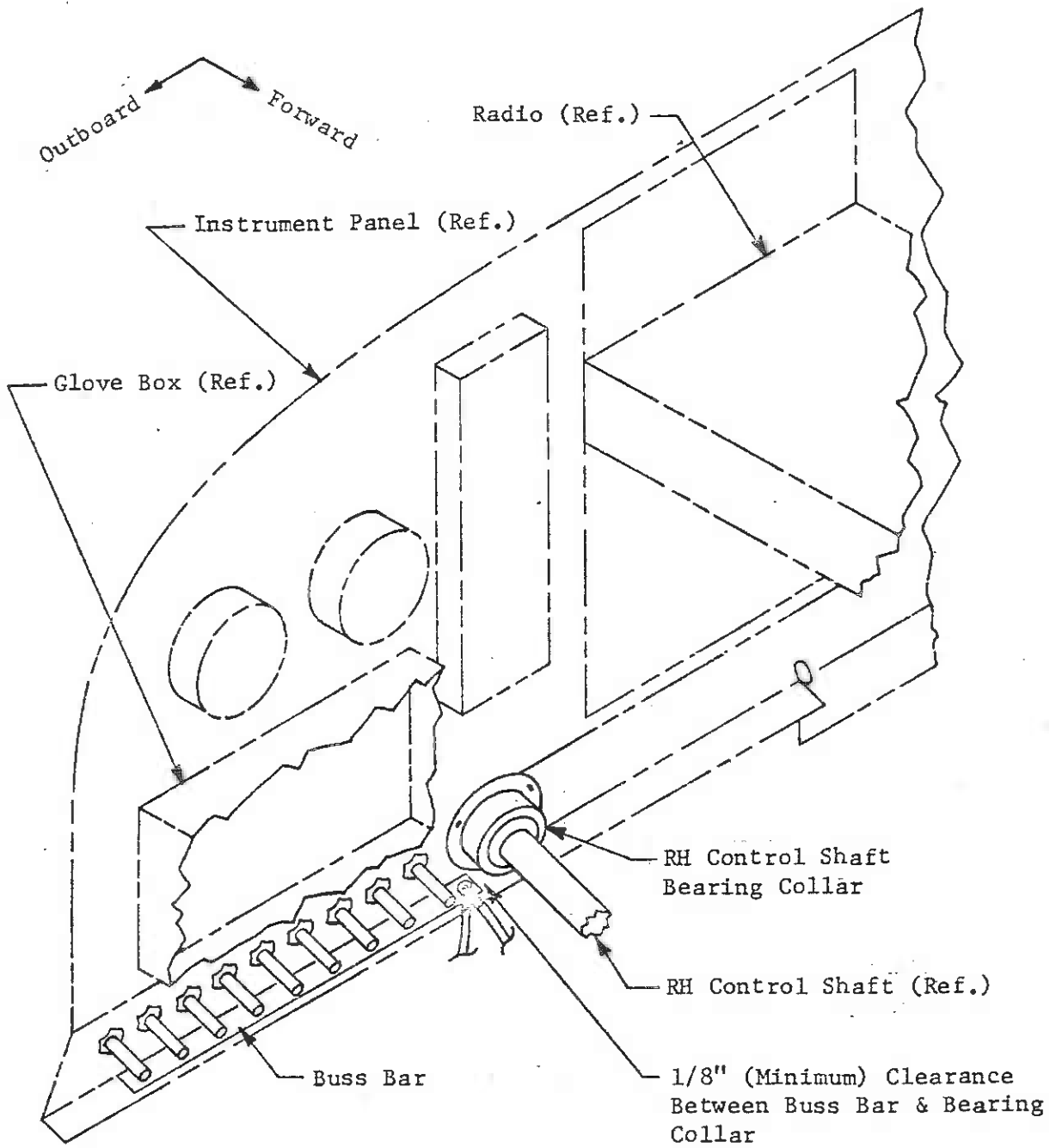


Figure 1. Buss Bar/Bearing Collar Clearance