

**SERVICE LETTER NO. 71-11A**  
**Supersedes Service Letter No. 71-11**

**DATE:** October 28, 1971

**SUBJECT:** Bungee Inspection

**SERIALS AFFECTED:** All Model AA-1 and AA-1A aircraft.

**TIME OF COMPLIANCE:** At the next 100 hour or annual inspection and every 100 hours thereafter.

General

Field reports indicate that on aircraft with 500 or more hours, the bungee housing outer surface may show excessive wear at the support bearing, or the rivets, which secure the shear link, may have become loose (See Figure 1).

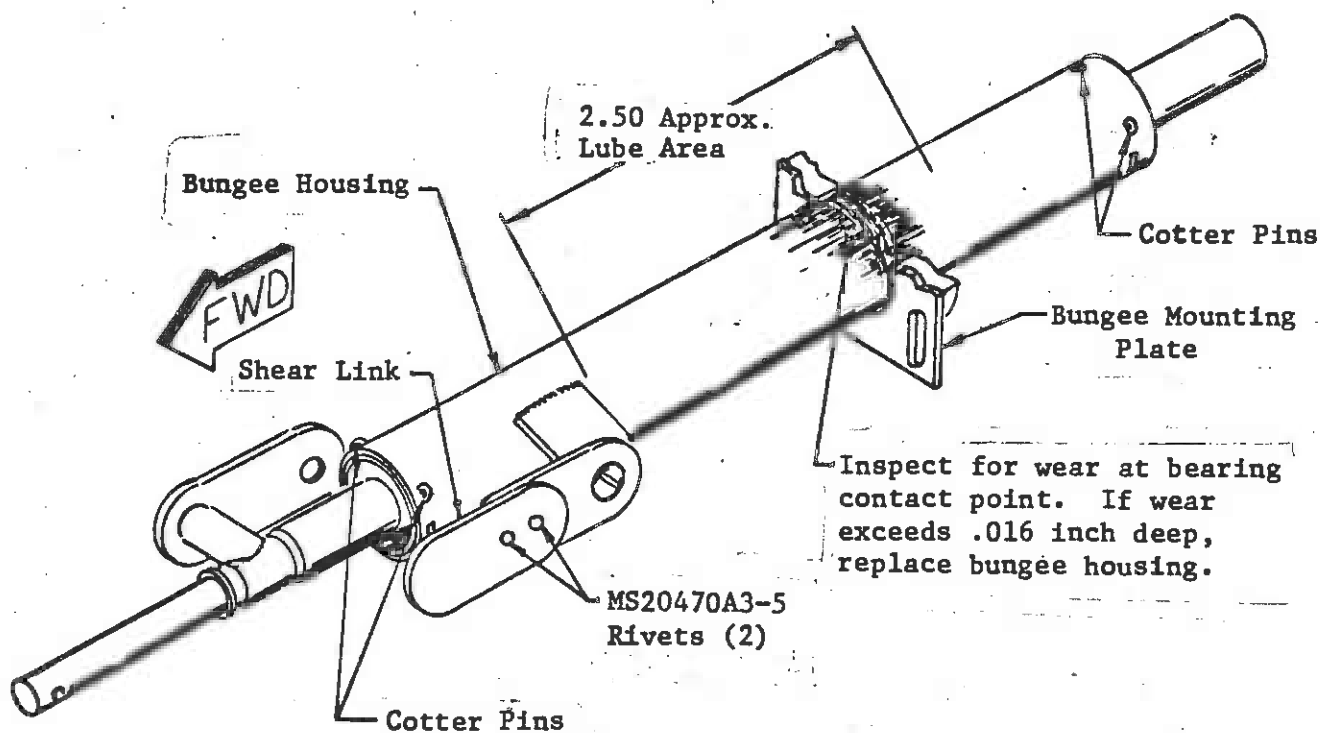


Figure 1. Bungee Assembly

Inspection

It is recommended that the following be accomplished at the next 100 hour or annual inspection and every 100 hours thereafter.

1. Inspection of the bungee housing outer surface. If wear is more than .016 inch deep, the bungee housing assembly (part no. 607004-701) \$19.72 (H), should be replaced.

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2. Inspect two (2) MS20470A3-5 rivets in shear link. If loose rivets are found, they should be replaced with identical soft rivets, or the shear link (part no. 607004-503) \$2.08 (H), should be replaced.

#### Bungee Housing Replacement Procedure

1. Remove the tailcone after disconnecting the taillight wire.
2. Disconnect the link that attaches the bungee housing to the elevator down cable at the elevator bellcrank.
3. Remove the four (4) cotter pins securing the bungee housing to the bungee shaft assembly and discard them.
4. Remove the two (2) bolts and nuts holding the bungee mounting plate and slide the plate off the housing assembly.
5. Slide off the old bungee housing and slip on the new bungee housing assembly. Lubricate outer surface of bungee housing as shown on Figure 1 with McLube #1708 (McGee Chemical Co.) or equivalent.
6. Slide on the bungee mounting plate, line up the cotter pin holes and secure the housing assembly with four (4) cotter pins (AN380-2-4) furnished. If needed, cotter pin holes may be cleaned up with a #50 (.070 dia.) drill.

#### N O T E:

The replacement bungee assembly will be supplied with the shear link that attaches the bungee housing to the elevator down cable undrilled at the cable attach end.

7. Install the two (2) bungee mounting plate bolts, nuts and friction pad, but do not tighten at this time. When installing the new bungee housing assembly, lock the elevators at  $0^{\circ} \pm 2^{\circ}$  and the trim tab in the  $3^{\circ} \pm 1^{\circ}$  down position. Then, with the bungee completely unloaded, align the undrilled shear link with the elevator down cable bellcrank attaching bolt and mark the proper location for the bolt hole in the link.
8. Remove the link and drill a .186/.189 inch diameter hole at the pre-marked location.

#### N O T E:

The original shear link may be used providing that hole alignment has been verified.

9. Carefully reassemble the link to the bungee housing noting that all moving parts are properly aligned and free from friction.
10. Actuate elevator full travel up and down and adjust bearing mounting plate as required to allow bungee housing to slide freely through the bearing and tighten the two (2) attaching bolts.
11. Connect taillight wires and reinstall tailcone.

Very truly yours,

AMERICAN AVIATION CORPORATION

*Paul H. Seibert*

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Distribution (A)