

DATE: April 30, 1970
TO: Owners and Operators of Yankee Aircraft
SUBJECT: Landing Gear Inspection
MODELS AFFECTED: All Model AA-1
TIME OF COMPLIANCE: At each scheduled inspection.

In addition to the routine inspection items outlined in the Yankee Service Manual and outstanding Service Bulletins and Service Letters, experience in operating the Yankee has shown that the landing gear struts should be carefully inspected and maintained as outlined below on all Model AA-1 aircraft at each scheduled inspection.

Nose Gear Strut

1. Inspection - Inspect the steel tube nose gear strut for evidence of nicks, rust or damage to the protective paint coating from propeller blast or abrasion.

NOTE: Nicks more than .030 inches deep or any cracks are cause for immediate rejection of the strut.

2. Corrective Action - Smooth out and blend in minor nicks. Remove all rust and smooth out damaged paint by sanding with No. 150 Tri-Mite. Clean strut with wax and grease remover and prime with two light coats of Zinc Chromate Primer per MIL-P-8585. Paint strut to match aircraft color.

Main Gear Strut

1. Inspection - Inspect the laminated fiberglass main gear struts for evidence of nicks, cracks, delamination and deterioration of the protective paint coating.

NOTE: Minor surface delaminations are acceptable providing they do not extend more than one ply into the surface of the strut. Corner delaminations (slivers) are acceptable if they are smaller than 1/16 X 1/16 inch in size throughout their length. If airworthiness of a damaged fiberglass strut is in question, close up photographs of the damaged area may be submitted to the Customer Service Department for analysis and recommendations.

2. Corrective Action - Remove delaminated material. Smooth out minor paint chips or stone bruises with No. 150 Tri-Mite. Clean unpainted areas thoroughly with Methyl Ethyl Keytone. Seal minor surface or corner delaminations with 2216/B/A adhesive to seal out moisture from the damaged area. Clean strut with wax and grease remover and prime with two light coats of Zinc Chromate Primer per MIL-P-8585 and paint to match aircraft color.

NOTE: 2216/B/A adhesive is available from the Customer Service Department of 3M Company, St. Paul, Minnesota.

This inspection and corrective action procedure is to be used on all Model AA-1 aircraft and will be incorporated in the next revision of the Yankee Service Manual.

Very truly yours,

AMERICAN AVIATION CORPORATION



Paul H. Seibert
Customer Service Manager

PHS:vsb

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