



SUBJECT: INSPECTION & MODIFICATION OF ELEVATOR

MODELS AFFECTED: See Figure I for Zones 1, 2, 3.

ZONE 1		ZONE 2		ZONE 3	
M20C	680179 thru 700053	M20C	680195 thru 700053	M20C	680182 thru 700053
M20E	690001 thru 700034	M20E	690001 thru 700034	M20E	690001 thru 700034
M20F	680171 thru 700037	M20F	680186 thru 700037	M20F	680150 thru 700037
M20G	680163 thru 700006	M20G	690001 thru 700006	M20G	680144 thru 700006

NOTE: Check aircraft with serial numbers lower than those listed above at next inspection, to ascertain whether original mica bearing blocks have been replaced by nylon grommets. If nylon grommets are installed compliance is required.

TIME OF COMPLIANCE: MANDATORY - within next 50 hours.

INTRODUCTION: To increase the service life of the elevator trim tubes on those aircraft which utilize nylon grommet bearings in tube support structures, accomplish the following instructions.

- INSTRUCTIONS:
1. To gain access to Zones 1, 2, and 3 remove the following:
 - (a) Large belly access panel (P/N 310124-501)
 - (b) Small rearmost belly panel
 - (c) Left side fuselage panel
 2. Remove those trim tubes which pass through nylon grommet bearing supports (Figure I).
 3. Check wear of the two tubes in Zones 1, 2, 3 as indicated in Figure I.
 4. If tube wear exceeds .007 per wall or .014 reduction in diameter, tube replacement is mandatory and replacement tubes must be modified as indicated in steps 6 & 7.
 5. If tube does not exceed limits indicated in step 4 proceed with steps 6 thru 10.
 6. Clean tube thoroughly with Solox or equivalent, in areas where tape is to be applied (Figure II).
 7. Apply 2-inch polyurethane tape #Y-9265 on tube as indicated in Figure II. Make butt joint, do not overlap.
 8. Reinstall tubes and check for proper placement of tape.
 9. Operate trim system and check for any binding, system should operate freely.
 10. Fill out and mail the Compliance Card contained in Service Bulletin kit.

SERVICE BULLETIN

KIT: M20-185-1	P/N Y-9265 tape	8 inches
185-2	P/N 915026-9 tube	1 ea.
185-3	P/N 915026-11 tube	1 ea.
185-4	P/N 740101 tube	1 ea.

M20-185-1 Kit may be ordered free of charge from Aerostar Aircraft Corporation. This offer expires 6 months from date of this bulletin.

Service Bulletin M20-185

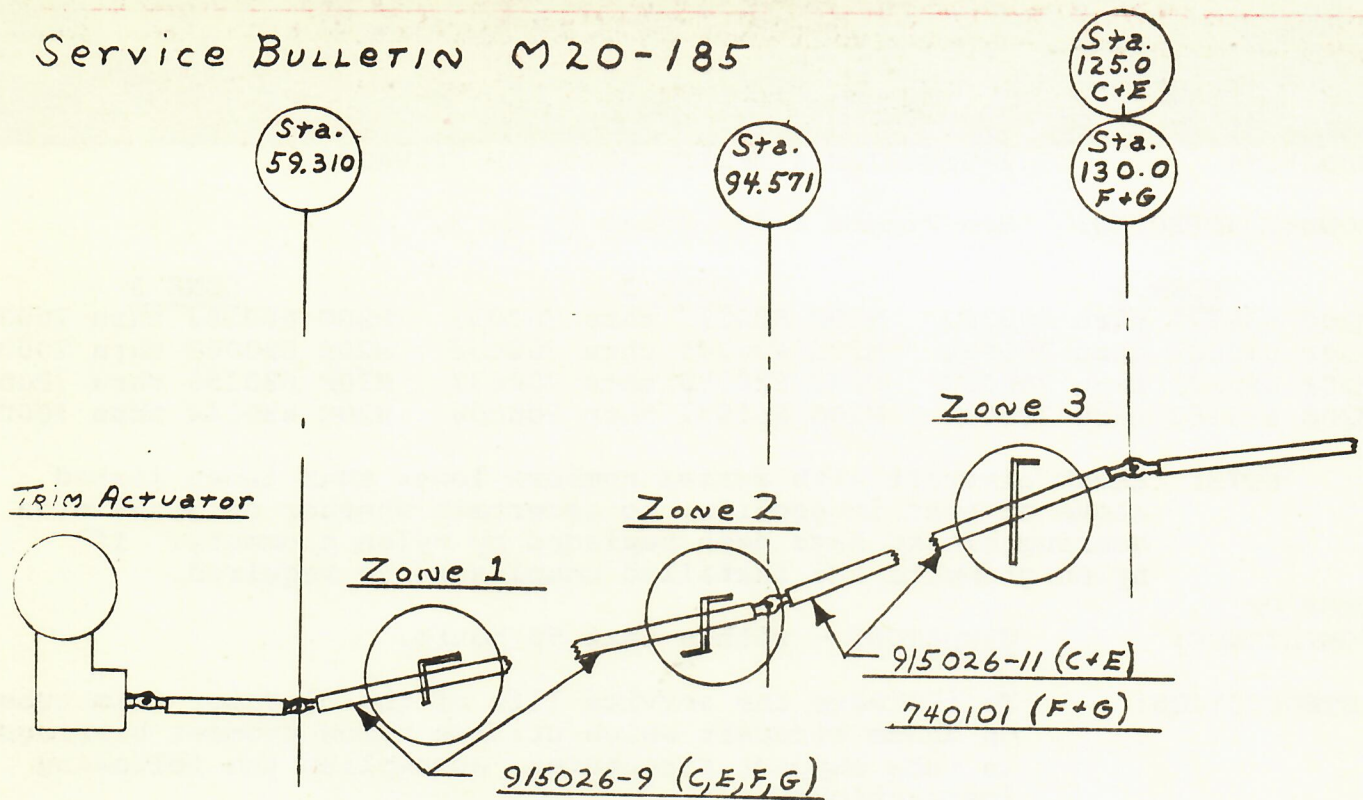


Figure I

Typical bulkhead Zones 1, 2, 3

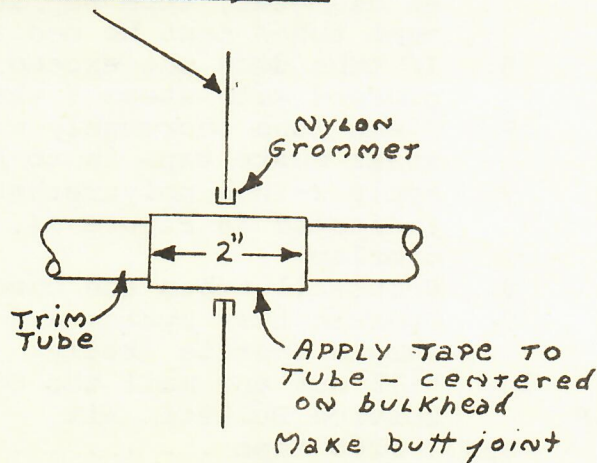


Figure II