

# TECHNICAL BULLETIN



FUJI HEAVY INDUSTRIES LTD.

HEAD OFFICE : SUBARU BLDG.  
SHINJUKU, TOKYO, JAPAN

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NO. 200-003                      DATE September 20, 1976                      (SUPERSEDES NO.                      )  
REV.                                      DATE    (SUPERSEDES NO.                      )  
REASON

SUBJECT	:	Procedures for Flap Control Cable Adjustment.
AIRCRAFT AFFECTED	:	FA-200 series airplanes S/N's 12 thru 243. (The subject procedures are contained in the service manual 200-010013 delivered with airplane S/N 244 and sub.)
PRIORITY	:	Desirable
REASON	:	To clarify the existing adjustment procedures described in the Service Manual 200-010003A. Adjustment in compliance with these procedures eliminates requirement for cable tension measurement.
DESCRIPTION	:	This technical bulletin supersedes the Service Manual 200-010003A, Para 8-3-3 Adjustment of Flap System, in its entirety.
ACCOMPLISHMENT	:	Any time when flap cable is checked or adjusted.
APPROVAL	:	Not applicable
PARTS REQUIRED	:	None required
SPECIAL TOOL	:	None required
WEIGHT AND BALANCE	:	No change
REFERENCE	:	None
DETAILED DESCRIPTION	:	
		(1) Engage lever latch in the lowest groove of ratchet and hold lever in this position.
		(2) Connect torque tube arm and flap with rod (A).
		(3) Adjust upper cable as follows:
		a. Stretch cable until two stopper bolts (B) contact stopper bolt (C), and further stretch cable by rotating turnbuckle half to one and half turns.
		b. Set flap in neutral position by adjusting connecting rod (A).

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- (4) Adjust lower cable as follows:
- a. Stretch cable until two stopper bolts (B) contact stopper bolts (C) lightly.
- (5) Raise lever to engage lever latch in the upperest groove of ratchet. Hold lever in this position and adjust bolt (D) so that it contacts ratchet bar (E). Check to ensure that flaps are positioned in "DN  $35^{\circ} +2^{\circ} -1^{\circ}$ ".
- (6) Secure turnbuckle with clip (MS21256-1) or safety wire.
- (7) After completion of adjustment, if flap "play" is noted when flap is position in neutral, bond rubber (P/N 200-1600001) to flap outboard hinge as necessary.

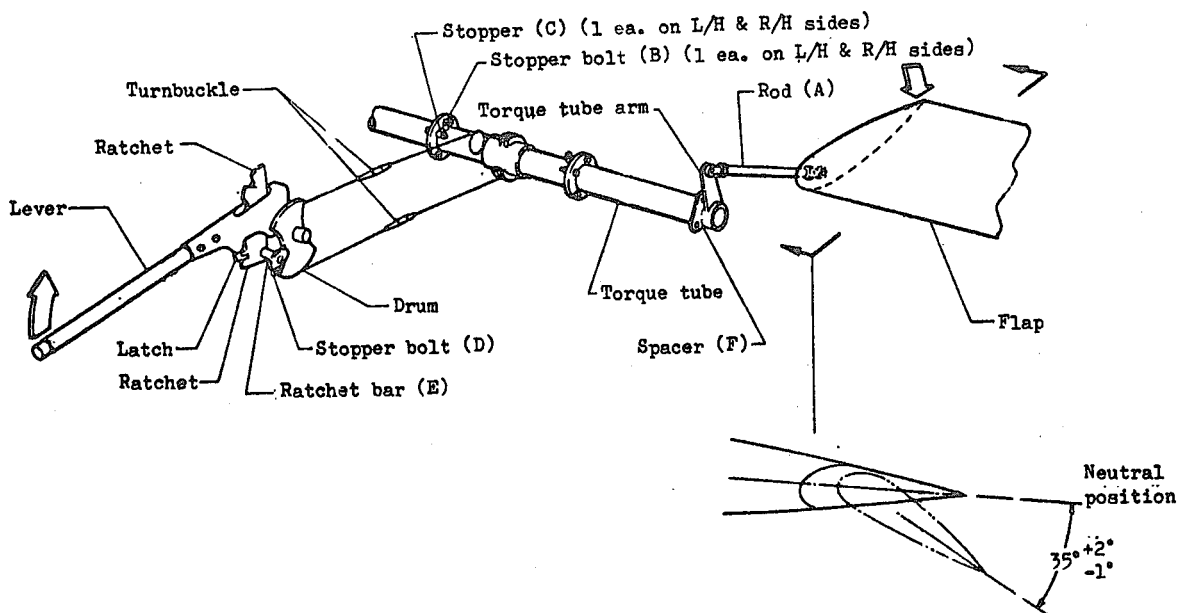


FIG. 1 FLAP SYSTEM