

S E R V I C E B U L L E T I N

Fuji Heavy Industries, Ltd.

NO. FAS-021

DATE March 25, 1970.

1. SUBJECT : Inspection and replacement of rudder cable.
2. AIRCRAFT AFFECTED : FA-200 Serial No. 1 through 11 airplanes.
3. COMPLIANCE : Mandatory.
4. REASON : Broken wires were found in rudder cables at
1000 hours check.

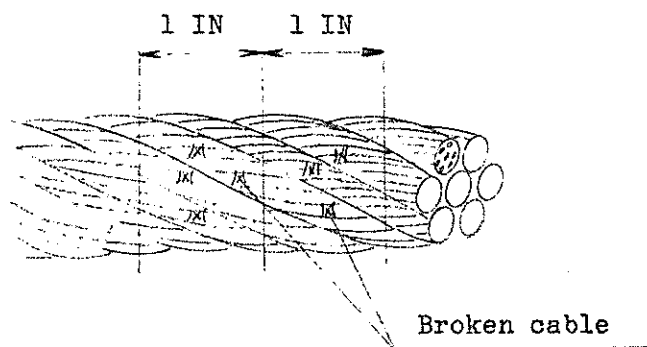
For the safety of the flight, check the rudder cable,
and replace the cables (1/8 IN ϕ) with new cables
(5/32 IN ϕ) if necessary.
5. DESCRIPTION : Inspect the rudder cables, and if the broken
cables are found out, replace them with new cables
(5/32 IN ϕ) immediately.
6. ACCOMPLISHMENT : Inspect the rudder cable at the first 50 hours
check after receiving the service bulletin and
also at every 100 hours check until the replacement
of the rudder cable, and replace them with new
cables as necessary. At 1000 hours check, replace
the cables with new cables even if they are not
broken.
7. APPROVAL : JCAB Approval No. 333. March 25, 1970.

8. PARTS REQUIRED : The following parts will be submitted to the owners without fee.

PART NUMBER	NOMENCLATURE	Q'TY
200-524001-053	CABLE ASSY	1
200-524001-055	CABLE ASSY	1
200-524001-057	CABLE ASSY	1
200-524001-059	CABLE ASSY	1
MS21251-5L	TURN BUCKLE	2
MS21256-2	CLIP	4
MS24665-134	PIN-COTTER	14

9. SPECIAL TOOLS : Nothing.
10. WEIGHT AND BALANCE : No change.
11. REFERENCE : Nothing.
12. MANPOWER : 3 MH.
13. WORK PROCEDURE :
- 13-3 Inspection of rudder cables.
- (1) Remove access covers on the lower surface of front fuselage and the side panel of rear fuselage.
 - (2) Check the control face of the rudder cable with pulley (A) and (D) at the condition of fully treaded L.H. or R.H. pedals. If the cable were broken, the broken part shall be inspected by the cloth passing along the cable. The cloth is snagged by the broken paint of the cable.

- (3) A cable with more than 4 broken point within a 1 in. distance must be replaced.



13-2 Replacement of rudder cable.

- (1) Remove front and aft seats.
- (2) Remove 4 access covers. Access covers No. 1 and No. 2 of lower fuselage and 2 access covers of the center box in cabin floor.
- (3) Disconnect cables at turnbuckles.
- (4) Remove pulleys (A) (B) and (C). Don't remove gird pins. Remove gird pin only of pulley (D).
- (5) Remove the cables from the arms of rudder pedal torque tubes and rudder attaching point. Pull out front cable from access hole of lower fuselage, and aft cable from access hole of aft fuselage, and replace with new cable assys.
- (6) Install pulleys (A) (B) and (C) and insert a gird pin into (D) pulley.

- (7) Install cables to the arms of rudder pedal torque tubes and rudder attaching points. Then connect the cable by turnbuckle.

Note: Don't install clip yet.

- (8) After cables have been installed, rudder control system adjustment shall be followed.

- (a) Keep the pedal and the rudder surface free.
- (b) Adjust the cables right and left side tension to 45 ± 5^{LB} by the turnbuckle.

Note: The rudder control surface shall be kept at neutral position and both pedals shall be on same plane.

- (c) Make sure that the rudder moves to the right when R.H. pedal is treated.

The opposite direction shall be checked in the same manner.

- (d) Install the clip to the turnbuckle.

