

S E R V I C E    B U L L E T I N

NO.    FAS-011

Fuji Heavy Industries, LTD.

DATE

1. SUBJECT :                    Change of FA-200-160 carburetor heater and cabin heater system (Improvement of cabin heater).
2. AIRCRAFT AFFECTED :    FA-200-160 Serial No. 12 through 68 airplanes.
3. PRIORITY :                Optional.
4. REASON :                    For the FA-200-160 S/N 12 through 68, one heat exchange is used for cabin heater and another for carburetor heater. In case of new designed system, the heat exchanger for the carburetor heater can be used also for the cabin heater. By this modification, the power of cabin heater shall be get two times compared with old type system.
5. DESCRIPTION :            Replace the carburetor heater valve assy, left heat exchanger and its cover, and cabin heater valve assy and install the necessary ducts.
6. ACCOMPLISHMENT :        On any time.
7. APPROVAL :                Not applicable.
8. PARTS REQUIRED :          200-590501-001 Cabin heater modification service kit.

The parts included in this kit are as follows.

200-411050-051	flange	1 ea.
200-550076-001	hose band	6
203-950013-001	heat exchanger	1
200-950037-001	cover	1
200-914126-001	carb-heater valve	1
200-550051-001	cabin heater valve	1
3NF-1-3-2.00-22.00-1.50 or F-0470-500550	duct	1

F-0153-2.00-0.75 or F-0470-500095	duct	1 ea.
SSF100-1-2.00-34.00-1.50 or F-0470-500865	duct	1
MS21919DG34	clamp	2
MS21919DG12	clamp	2
MS35206-245	screw	2
NAS679A08W	nut	2
AN960-8	washer	2
MS20470AD4-4	rivet	4
200-944012-003 or S-123B	bush	1
NAS679A6	nut	1
AN960D616	washer	2

9. SPECIAL TOOLS : Nothing.
10. WEIGHT AND BALANCE: Addition of 1.4kg(3.1 lbs) on STA 1060mm(41.8inch).
11. REFERENCE : Nothing.
12. MANPOWER : 5 MH.
13. WORK PROCEDURE :
- (1) Remove the lower engine cowling.
  - (2) Remove the carb-heater valve assy from the carburetor.
  - (3) Remove the left heat exchanger and its cover from the exhaust pipe.
  - (4) Remove the cabin heater valve assy from the fire wall.
  - (5) Replace the plate to the flange (200-411050-51) on the left side of ncse cowling.
  - (6) Install the carb-heater valve (200-914126-001) and fasten a safety wire to fixing bolts.
  - (7) Install the cabin heater valve (200-550051-001) on fire wall.

- (8) Install the left heat exchange (200-950013-001) and cover (200-950037-001).
- (9) Fix the cable of carb-heater and cabin heater and adjust the stroke.
- (10) Install the cowling.
- (11) Fix the ducts by hose band and clamp.

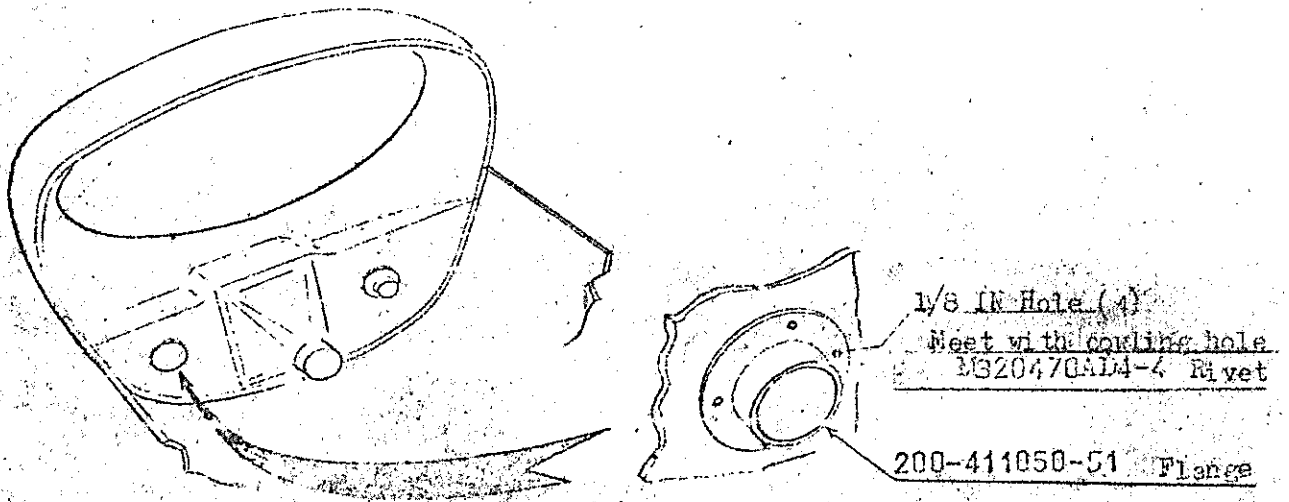


FIG 1 COWLING MODIFICATION

- 1. 200-411050-051 Flange
- 2. 200-550076-001 Hose Band
- 3. SNF-1-3-200-2200-150 Duct  
or  
F-0470-500550
- 4. 203-950013-001 Heat Exchanger
- 5. 200-950037-001 Cover
- 6. F-0153-200-075 Duct  
or  
F-0470-500095
- 7. 200-713326-004 Carb-heater Valve
- 8. SST-100-1-200-3400-150 Duct  
or  
F-0470-500365
- 9. 200-550051-004 Cabin-heater Valve

10, Clasp Screw, Nut, Washer

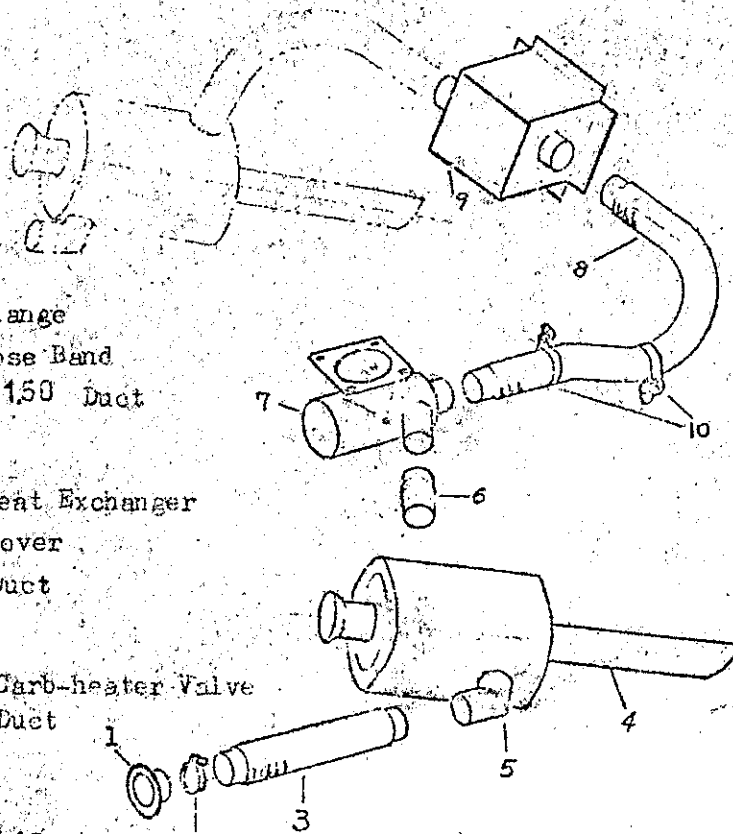


FIG 2 ILLUSTRATION OF PARTS

(FAS-011)

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