

ATA AIRLINES, INC.

AFT CARGO TEMPERATURE CONTROL SWITCH

PAGE 1 / 2

CHECK BEING PERFORMED: Custom

ZONES: 152 211
A/C NUMBER:
REV. DATE: 04/21/99
FREQUENCY: 2C

W/C NUMBER: 212F2102 DATE:
W/O:
JAC CODE:

THERMOMETER, RANGE 0 TO 120 F (0 TO 49C) 1
HEATING SOURCE, HAND-HELD BLOW DRYER 1

PANELS

822

REFERENCES

1

MECH INSP

CHECK SWITCH SETTING OF AFT CARGO TEMPERATURE CONTROL SWITCH.

1 AIRPLANES WITH AFT CARGO HEATER.

1 System Test - Aft Cargo Compartment Heating System

A General

1 When the cargo compartment temperature is less than 50 F (10 C), the temperature control switch closes. This sends a signal to the relays that control the fan and heater. The fan removes cold air from the cargo compartment and pushes it through a series of eleven nozzles. When the cargo compartment temperature is 70 F (21 C), the switch opens the circuit to the cargo compartment heater relay. After a 20-second time delay, the fan relay stops the heat supply to the compartment.

B Equipment

1 Thermometer - range 0 to 120 F (0 to 49C) - commercially available.

2 Heating Source - hand-held blow dryer - commercially available.

C References

1 06-46-00/201, Entry, Service and Cargo Doors, Access Doors and Panels

2 24-22-00/201, Electric Power-Control

REVISION DATE: 04/21/99

ATA AIRLINES, INC. B757 FLEET

W/C #: 212F2102

DATE WORK CARD COMPLETE ___/___/___

A/C NUMBER:

CHECK BEING PERFORMED: Cust

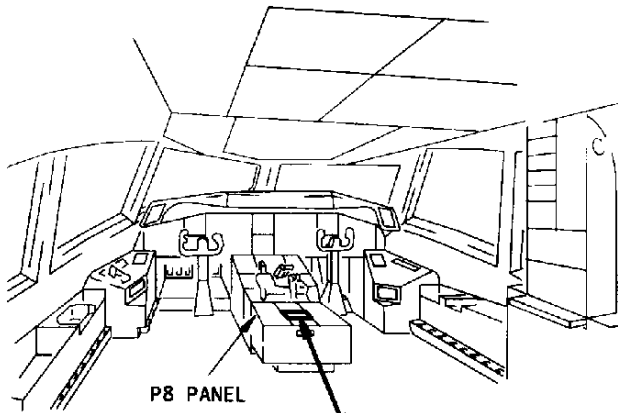
W/C NUMBER: 212F2102 (continued)

MECH: INSP:

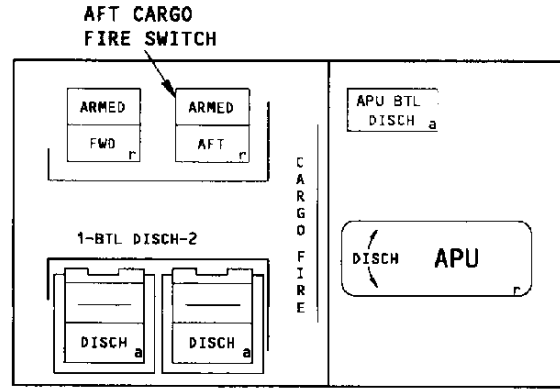
D Check - Aft Cargo Temperature Control Switch

- _____ XXXXX 1 Supply electrical power
- _____ XXXXX 2 Find the Temperature Control Switch behind the aft cargo heating intake grill on the forward partition.
- _____ XXXXX 3 Use the ice pack to decrease the temperature of the switch to 50 F (10 C) minimum.
- _____ XXXXX 4 Listen to make sure the aft cargo flow fan operates.
- _____ XXXXX 5 Use the heat source to increase the temperature of the switch to 70 F (21 C) maximum.
- _____ XXXXX 6 Listen to make sure the flow fan stops after approximately 20 seconds.
- _____ XXXXX 7 Remove the heat source.
- _____ XXXXX 8 Remove electrical power, if it is not necessary.

*****END OF WORKCARD*****



SEE (A)



APU/CARGO FIRE CONTROL PANEL

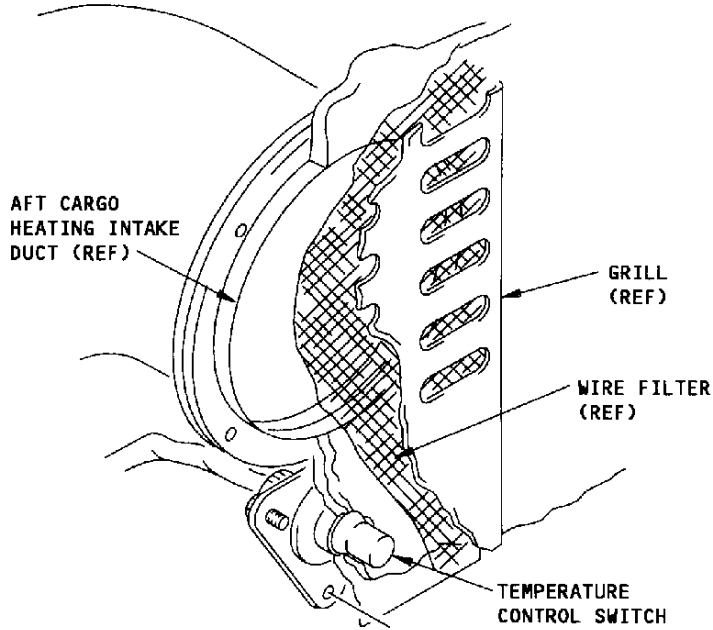
(A)

FLT COMPT

AFT CARGO FLOW FAN

AFT CARGO HEATER

SEE (B)



AFT CARGO TEMPERATURE CONTROL SWITCH

(B)

AFT CARGO HEATING SYSTEM

FIGURE 1

08/06/1998