

# ATA AIRLINES, INC.

E/E COOLING SMOKE/LOW FLOW SYSTEM

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CHECK BEING PERFORMED: Custom

ZONES: 212  
A/C NUMBER:  
REV. DATE: 10/04/04  
FREQUENCY: 1A

W/C NUMBER: 221M2101      DATE:  
W/O:  
JAC CODE:

## REFERENCES

Figures 1, 2, and 3, AMM 24-22-00-2, AMM 31-41-00-2

MECH      INSP

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CHECK OPERATION OF E/E COOLING SMOKE/LOW FLOW DETECTION SYSTEM WITH TEST SWITCH.

1. AIRPLANES WITH SIMPLIFIED RELAY CONTROL SYSTEM.

A. References.

- |                    (1) AMM 24-22-00-2, Electrical Power - Control
- |                    (2) AMM 31-41-00-2, Engine Indication and Crew Altering System

B. Prepare for a Test.

| \_\_\_\_\_ XXXXX            (1) Supply the electrical power (AMM 24-22-00-2).

\_\_\_\_\_ XXXXX            (2) Make sure these circuit breakers are closed.

(a) On the main power distribution panel P6:

- 1) 6C3, HYD GEN CONT
- 2) 6D6, EQUIP COOL GND WARN AND TEST
- 3) 6D17, EQUIP COOL AUX FAN
- 4) 6F17, EQUIP COOL SUPPLY FAN 1
- 5) 6F23, EQUIP COOL SUPPLY FAN 2

(b) On the overhead circuit breaker P11 panel:

- 1) 11A32, INDICATOR LIGHTS 1
- 2) 11A33, INDICATOR LIGHTS 2
- 3) 11B31, ENGINES SPEED CARD LEFT

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REVISION DATE: 10/04/04

ATA AIRLINES, INC. B757 FLEET

W/C #: 221M2101

DATE WORK CARD COMPLETE \_\_\_/\_\_\_/\_\_\_

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M2101 (continued)

MECH: INSP:

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- 4) 11B32, ENGINES SPEED CARD RIGHT
  - 5) 11C20, EQUIP COOLING SMOKE DET CONT
  - 6) 11J2, EICAS CMPTR LEFT
  - 7) 11J3, EICAS UPPER DISPLAY
  - 8) 11J29, EICAS CMPTR RIGHT
  - 9) 11J30, EICAS LOWER DISPLAY
  - 10) 11J32, EICAS DISPLAY SELECT
  - 11) 11N11, EQUIP COOLING CONT AFT EXH XFR
  - 12) 11N4, INSTRUMENT AND PANEL OVHD
  - 13) 11N13, EQUIP COOLING LOW FLOW DET
  - 14) 11P1, L IND LTS 1
  - 15) 11P14, RECIRC CARGO FIRE CONT LEFT
  - 16) 11P23, RECIRC CARGO FIRE CONT RIGHT
  - 17) 11P29, R IND LTS 2
  - 18) 11S15, AIR GND SYS 1
  - 19) 11S19, AIR GND SYS 2
  - 20) 11R6, L AC BUS SENSE RELAY
  - 21) 11R29, R AC BUS SENSE RELAY

(C) On the right miscellaneous electrical equipment panel, P37:

- 1) 37D5, AFT EQ EXH FAN 1
- 2) 37D7, R RECIRC FAN CONT

A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M2101 (continued)

MECH: INSP:

3) 37J5, RECIRC FAN R

XXXXX (3) Make sure the EQUIP COOLING ALTN switch-light on the P5 panel is in the normal position. (Fig. 1 and 2)

C. Do a test of the E/E Cooling Smoke/Low Flow Manual Test Mode. (Fig. 1, 2, and 3)

XXXXX (1) Do the EICAS maintenance message erase procedure (AMM 31-41-00-2).

XXXXX (2) Push the ECS/MSG pushbutton on the EICAS maintenance panel on the P61 panel.

XXXXX (3) Hold the EQUIP COOL TEST switch on the P61 panel to EQUIP COOL.

XXXXX (4) Make sure the EICAS advisory message EQPT OVHT shows.

XXXXX (5) Make sure the OVHT light on the P5 panel is on.

XXXXX (6) Release the EQUIP COOL TEST switch.

XXXXX (7) 20 seconds after you release the test switch, make sure these EICAS messages do not show:

(a) FWD EQPT DET 1

(b) FWD EQPT DET 2

(c) FWD EQPT EXH DET

(d) EQPT SMOKE TEST

(e) FWD EQ SUP SNSR

(f) FWD EQ EXH SNSR

(g) OVBD EX VAL TEST

(h) EQPT CLG TEST

XXXXX (8) Remove electrical power if it is not necessary

E/E COOLING SMOKE/LOW FLOW SYSTEM

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A/C NUMBER:

CHECK BEING PERFORMED: Cust

W/C NUMBER: 221M2101 (continued)

MECH: INSP:

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(AMM 24-22-00-2).

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

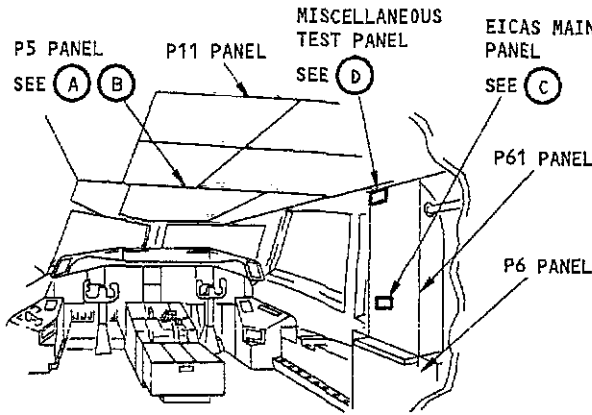
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REVISION DATE: 10/04/04

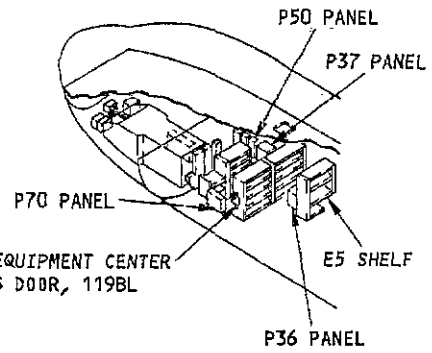
ATA AIRLINES, INC. B757 FLEET

W/C #: 221M2101

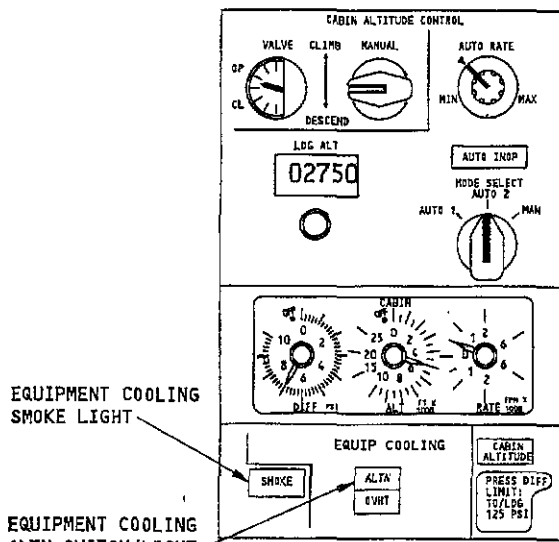
DATE WORK CARD COMPLETE \_\_\_/\_\_\_/\_\_\_



FLIGHT COMPARTMENT



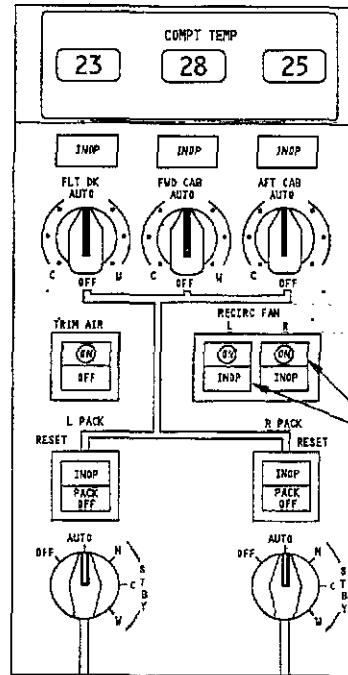
MAIN EQUIPMENT CENTER ACCESS DOOR, 119BL



EQUIPMENT COOLING PANEL

EQUIPMENT COOLING SMOKE LIGHT  
EQUIPMENT COOLING ALTN SWITCH/LIGHT

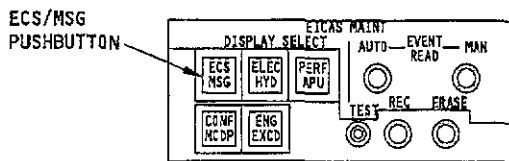
(A)



AIR CONDITIONING CONTROL PANEL

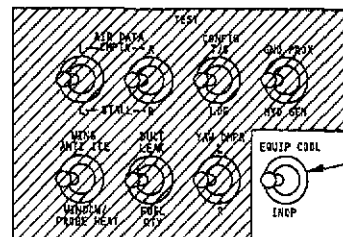
RECIRCULATION FAN SWITCH/LIGHT

(B)



EICAS MAINTENANCE PANEL

(C)



MISCELLANEOUS TEST PANEL

EQUIPMENT COOL TEST SWITCH

(D)

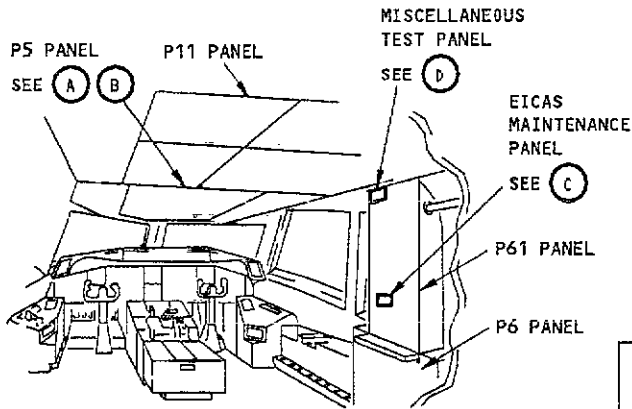
Equipment Cooling System Adjustment Test  
Figure 1

EFFECTIVITY

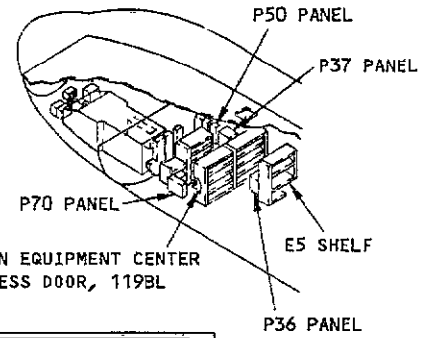
757-200 AIRPLANES

EQUIPMENT COOLING CONTROL

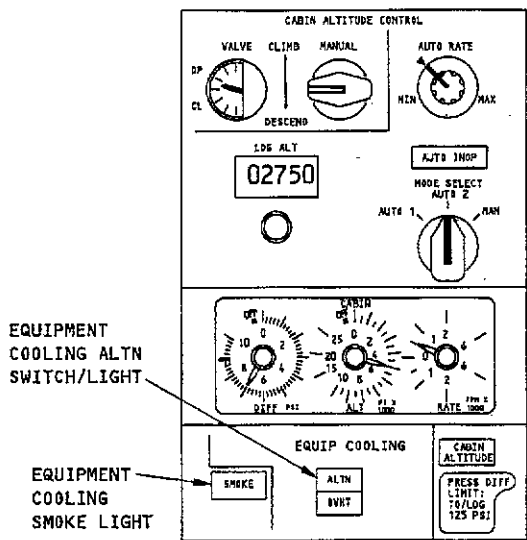
01/15/2002



FLIGHT COMPARTMENT

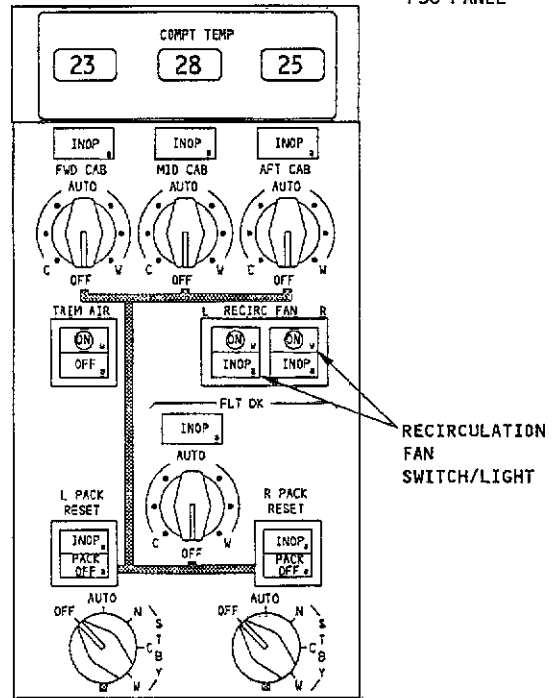


MAIN EQUIPMENT CENTER ACCESS DOOR, 119BL



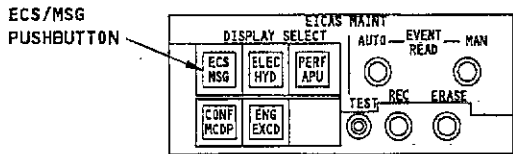
EQUIPMENT COOLING PANEL

(A)



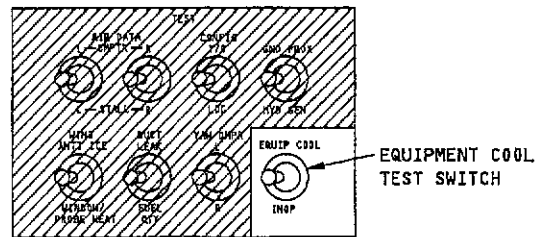
AIR CONDITIONING CONTROL PANEL

(B)



EICAS MAINTENANCE PANEL

(C)



MISCELLANEOUS TEST PANEL

(D)

Equipment Cooling System Adjustment Test

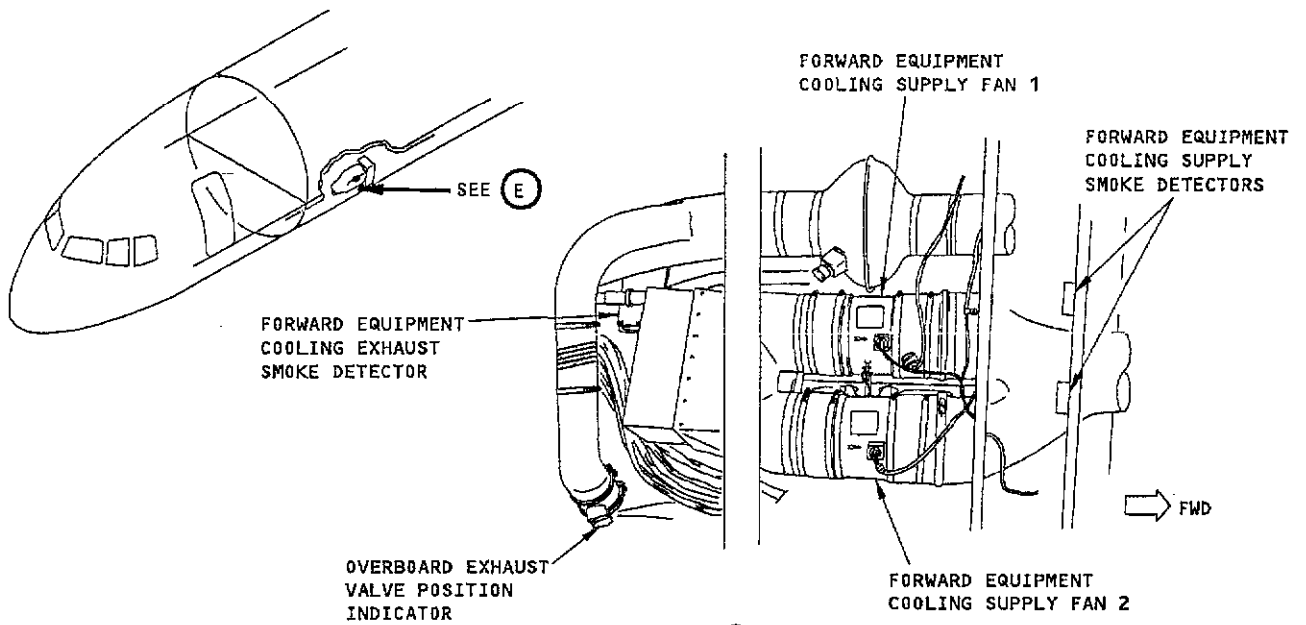
Figure 2

EFFECTIVITY

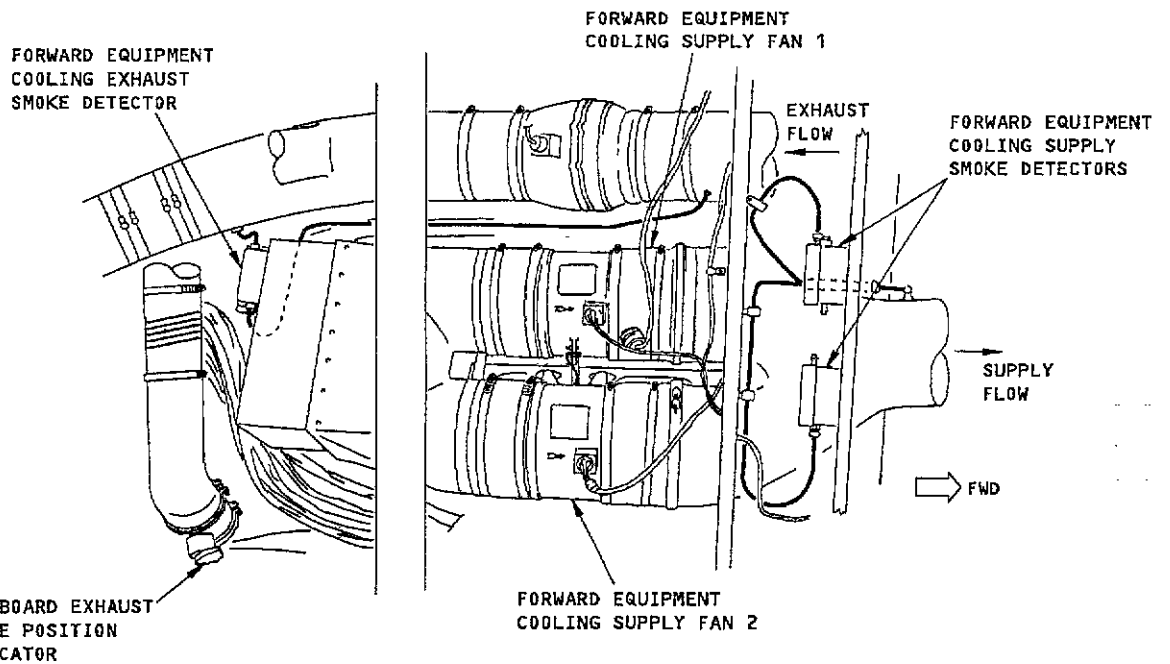
757-300 AIRPLANES

EQUIPMENT COOLING CONTROL

01/15/2002



E 1



E 2

- 1 AAT 601-610
- 2 AAT 611-649, 653-999

Equipment Cooling System Adjustment Test

Figure 3