COCKPIT DISTRIBUTION - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

   A. This section gives the procedure to do the functional check of the air distribution valve that keeps the EFIS display cool.

   B. The procedures in this section are given in the sequence below. The tasks identified with (♦) are part of the Scheduled Maintenance Requirements Document (SMRD).

TASK NUMBER	*DESCRIPTION*	*EFFECTIVITY*
21-21-00-700-801-A ♦	EFIS DISPLAY VENTILATION SYSTEM - FUNCTIONAL CHECK	ALL

TASK 21-21-00-700-801-A
EFFECTIVITY: ALL

2. EFIS DISPLAY VENTILATION SYSTEM - FUNCTIONAL CHECK

A. General

(1) The air distribution valves permit cold air to make cool the EFIS display, on the main panel.

B. References

REFERENCE	*DESIGNATION*
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 53-01-01-000-801-A/400	COCKPIT FLOOR PANELS - REMOVAL
AMM TASK 53-01-01-400-801-A/400	COCKPIT FLOOR PANELS - INSTALLATION

C. Zones and Accesses

ZONE	*PANEL/DOOR*	*LOCATION*
221	221CF	Area below the cockpit floor, on left side
222	222BF	Area below the cockpit floor, on right side

D. Tools and Equipment

ITEM	*DESCRIPTION*	*PURPOSE*	*QTY*
Commercially available	Thermogun	To make the temperature switch hot	
Commercially available	Digital thermometer - range up to 93.3°C (200°F)	To measure the temperature	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	*FUNCTION*	*PLACE*
1	Does the task	In the area below the cockpit floor

I. Preparation

SUBTASK 841-002-A

(1) Energize the aircraft (AMM TASK 20-40-01-860-801-A/200).

(2) On the circuit breaker panel, make sure that the circuit breaker VALVES DISPLAY is close.

(3) Remove the floor access panels, on the cockpit left and right sides (AMM TASK 53-01-01-000-801-A/400):

– 221CF (Shutoff valve and switch on the LH side).

– 222BF (Shutoff valve and switch on the RH side).

J. Functionally Check Display Ventilation System (Figure 501)

SUBTASK 720-002-A

WARNING: TAKE CARE NOT TO BURN YOURSELF WHEN THE EFIS VENTILATION SWITCH IS HOT.

(1) Slowly and continuously heat the temperature switch on the LH side duct with a thermogun until you have a temperature higher than 43.5°C (110°F).

(2) Make sure that the shutoff valve is in the close position. Refer to Figure 501.

(3) Stop until the temperature decreases to less than 35°C (95°F).

(4) Make sure that the shutoff valve is in the open position. Refer to Figure 501.

WARNING: TAKE CARE NOT TO BURN YOURSELF WHEN THE EFIS VENTILATION SWITCH IS HOT.

(5) Slowly and continuously heat the temperature switch on the RH side duct with a thermogun until you have a temperature higher than 43.5°C (110°F).

(6) Make sure that the shutoff valve is in the close position. Refer to Figure 501.

(7) Stop until the temperature decreases to less than 35°C (95°F).

(8) Make sure that the shutoff valve is in the open position. Refer to Figure 501.

K. Follow-on

SUBTASK 842-002-A

(1) Remove the power supply from the aircraft (AMM TASK 20-40-01-860-801-A/200).

(2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations of the Aircraft Maintenance Program.

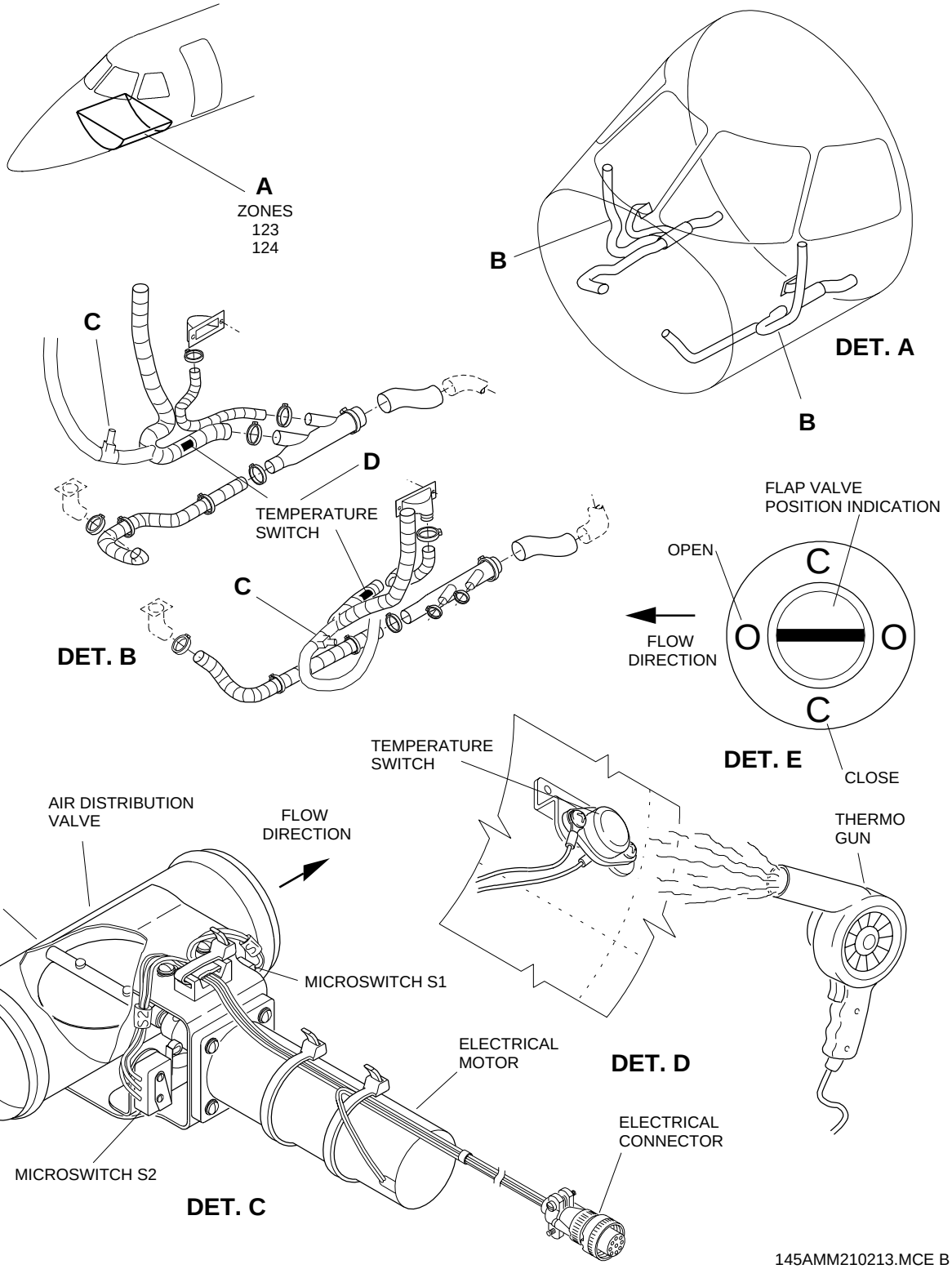
(3) Install the floor access panels (AMM TASK 53-01-01-400-801-A/400):

– 221CF (Shutoff valve and switch on the LH side).

– 222BF (Shutoff valve and switch on the RH side).

EFFECTIVITY: ALL

EFIS Display Ventilation System - Functional Check
Figure 501



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