

DISTRIBUTION - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the operational check of the conditioned air distribution system in the cockpit and passenger cabin.
- 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
21-20-00-700-801-A ◆	CONDITIONED AIR DISTRIBUTION SYS- TEM - OPERATIONAL CHECK	ALL

TASK 21-20-00-700-801-A  
EFFECTIVITY: ALL

## 2. CONDITIONED AIR DISTRIBUTION SYSTEM - OPERATIONAL CHECK

### A. General

- (1) This task gives the operational check of the conditioned air distribution system in the cockpit and passenger cabin.
- (2) The gasper fan always operates on the ground, when the aircraft is energized, independently of the GASPER switch position.
- (3) The recirculation fan operates on when the RECIRC switch is ON and the related pack valve is open.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 36-00-00-860-802-A/200</a>	PNEUMATIC ENERGY - AIR BLEED THROUGH THE APU

### C. Zones and Accesses

Not Applicable

### D. Tools and Equipment

Not Applicable

### 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	Cockpit
1	Helps the other technician	Passenger cabin

### I. Preparation

**SUBTASK 841-002-A**

- (1) Supply the pneumatic energy ( [AMM TASK 36-00-00-860-802-A/200](#) ).

### J. Operationally Check Air Conditioned Distribution System ( [Figure 501](#) ) ( [Figure 502](#) )

**SUBTASK 710-002-A**

- (1) Do the operational test of the conditioned air distribution in the cockpit as follows:
  - (a) Set the switches below as follows:

- PACK 1 - OFF.
- PACK 2 - OFF.
- RECIRC - OFF.
- GASPER - OFF.
- SHED BUSES - OVRD.
- Make sure that the APU GEN pushbutton is in ON position (striped bar off).

Result:

- 1 Air flows through the gaspers.

- (b) Open the GASPER FAN circuit breaker.

Result:

- 1 The airflow through the gaspers stops.

- (c) Close the GASPER FAN circuit breaker.

- (d) Set the switches as follows:

- APU BLEED - ON.
- PACK 1 - ON.
- CKPT temperature selector - AUTO.

Result:

- 1 Air flows through the cockpit general outlets and the gaspers.

- (e) Set the RECIRC switch to ON.

Result:

- 1 The airflow through the cockpit general outlets increases.

- (f) Set the RECIRC switch to OFF.

Result:

- 1 The airflow through the cockpit general outlets decreases.

- (g) Set the PACK 1 switch to OFF.

Result:

- 1 The airflow through the cockpit general outlets stops.

- (h) Set the switches as follows:

- APU BLEED - OFF.
- SHED BUSES - AUTO.

- (2) Do the operational test of the conditioned air distribution in the passenger cabin as follows:

- (a) Set the switches below as follows:

- PACK 1 - OFF.
- PACK 2 - OFF.
- RECIRC - OFF.

- GASPER - OFF.
  - SHED BUSES - OVRD.
  - Make sure that the APU GEN pushbutton is in ON position (striped bar off).
- Result:
- 1 Air flows through the gaspers.
- (b) Open the GASPER FAN circuit breaker.
- Result:
- 1 The airflow through the gaspers stops.
- (c) Close the GASPER FAN circuit breaker.
- (d) Set the switches as follows:
- APU BLEED - ON.
  - XBLEED - OPEN.
  - PACK 2 - ON.
  - PASS CABIN temperature selector - MAN.
- (e) Turn the PASS CABIN temperature selector knob fully counterclockwise and keep it in this position for 3 minutes.
- Result:
- 1 The cold air flows through the passenger cabin upper outlets.
- (f) Set the RECIRC switch to ON.
- Result:
- 1 The airflow through the passenger cabin upper outlets increases.
- (g) Turn the PASS CABIN temperature selector knob clockwise up to 1 - 3 o'clock position, and keep it in this position for 3 minutes.
- NOTE:** Do not turn the selector knob further 3 o'clock position or fully clockwise to prevent incorrect behavior/results on the operational test.
- Result:
- 1 The hot air flows through the passenger cabin lower outlets.
- (h) Set the RECIRC switch to OFF.
- Result:
- 1 The airflow through the passenger cabin lower outlets decreases.
- (i) Set the PACK 2 switch to OFF.
- Result:
- 1 The airflow through the passenger cabin outlets stops.
- (j) Set the switches as follows:
- APU BLEED - OFF.
  - SHED BUSES - AUTO.
  - XBLEED - AUTO.

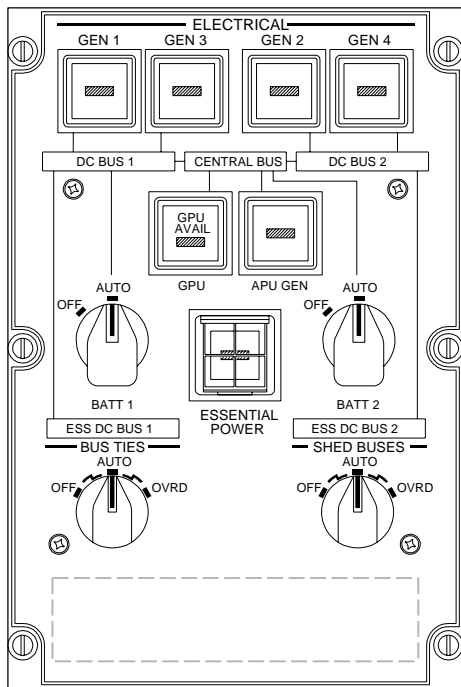
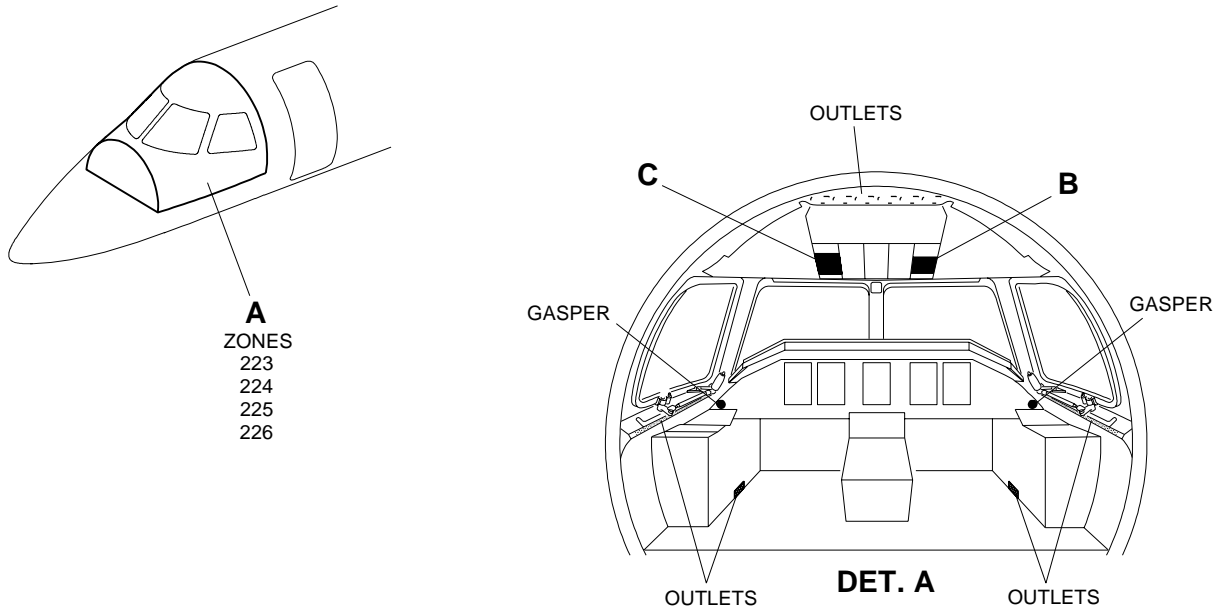
- PASS CABIN temperature selector - AUTO.

K. Follow-on

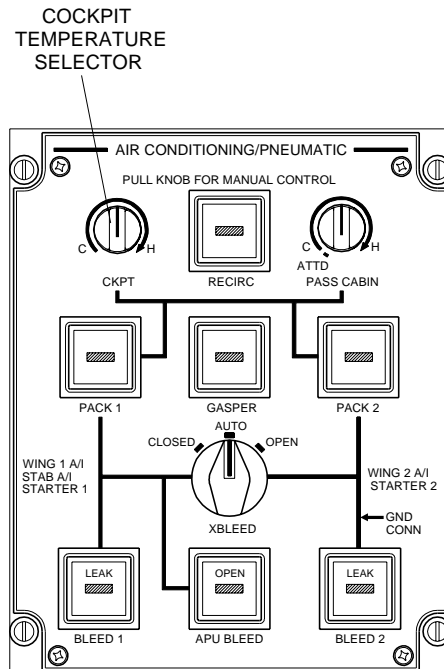
*SUBTASK 842-002-A*

- (1) Shut off the pneumatic energy ( [AMM TASK 36-00-00-860-802-A/200](#) ).

EFFECTIVITY: ALL  
Cockpit Distribution - Location  
Figure 501



DET. C



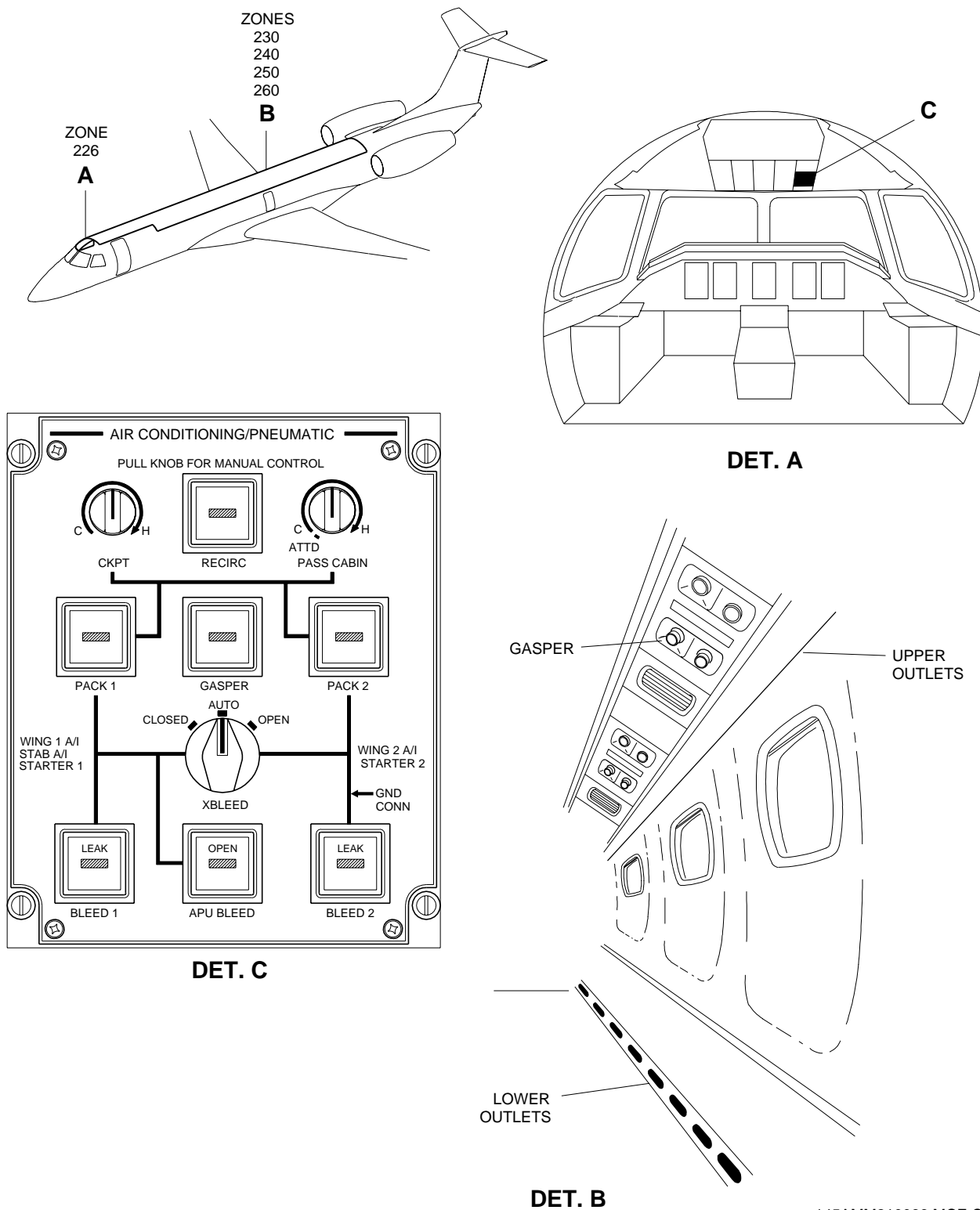
DET. B

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EFFECTIVITY: ALL

Passenger Cabin Distribution - Location

Figure 502



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