



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

CABIN PRESSURE ACQUISITION MODULE - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove, install, deactivate, and reactivate the cabin-pressure acquisition module.
- B. The cabin-pressure acquisition module is installed in the cockpit, under the RH lateral console lining.
- C. 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
21-32-01-000-801-A	CABIN-PRESSURE ACQUISITION MODULE - REMOVAL	ALL
21-32-01-400-801-A	CABIN-PRESSURE ACQUISITION MODULE - INSTALLATION	ALL
21-32-01-040-801-A	CABIN PRESSURE ACQUISITION MODULE - DEACTIVATION PROCEDURES	ALL
21-32-01-440-801-A	CABIN PRESSURE ACQUISITION MODULE - REACTIVATION PROCEDURES	ALL



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TASK 21-32-01-000-801-A

EFFECTIVITY: ALL

2. CABIN-PRESSURE ACQUISITION MODULE - REMOVAL

A. General

- (1) This task gives the procedures to remove the cabin-pressure acquisition module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224JRW	RH lateral console of the cockpit
224	224KRW	RH lateral console of the cockpit

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	Inside the RH lateral console of the cockpit

I. Preparation

SUBTASK 841-002-A

- (1) Remove the access panels 224JRW and 224KRW ([AMM MPP 06-41-03/100](#)).
- (2) Open and safety the CPAM circuit breaker, on the circuit breaker panel.

J. Removal ([Figure 401](#))

SUBTASK 020-002-A

- (1) Disconnect the electrical connector (2).
- (2) Disconnect the pitot-static line (3) hose from the CPAM (1).
- (3) Remove the screws (4) and the washers (5).



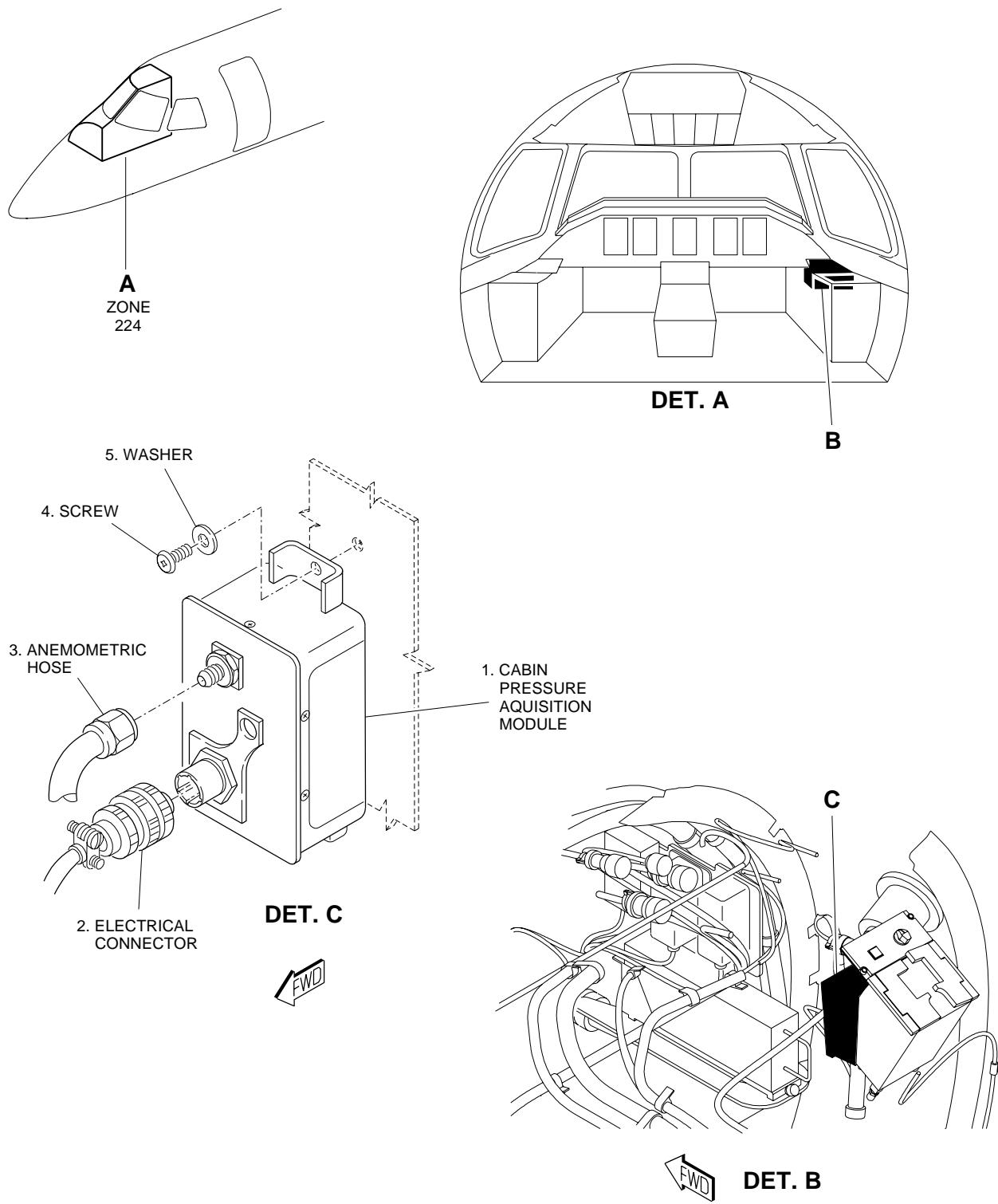
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-
- (4) Remove the CPAM (1).

EFFECTIVITY: ALL

Cabin-Pressure Acquisition Module - Removal/Installation

Figure 401



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TASK 21-32-01-400-801-A

EFFECTIVITY: ALL

3. CABIN-PRESSURE ACQUISITION MODULE - INSTALLATION

A. General

- (1) This task gives the procedures to install the cabin-pressure acquisition module.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM TASK 21-32-01-700-801-A/500	CABIN-PRESSURE ACQUISITION MODULE - FUNCTIONAL TEST
AMM TASK 34-13-00-790-804-A/500	STANDBY SYSTEM - LEAKAGE TEST

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
224	224JRW	RH lateral console of the cockpit
224	224KRW	RH lateral console of the cockpit

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	Inside the RH lateral console of the cockpit

I. Preparation

SUBTASK 841-003-A

- (1) Make sure that the CPAM circuit breaker, on the circuit breaker panel, is open and safetied.

J. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the CPAM (1) in the installation position.

- (2) Install the screws (4) and the washers (5).



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- (3) Connect the electrical connector (2).
- (4) Connect the pitot-static line hose (3).

K. Follow-on

SUBTASK 842-002-A

- (1) Remove the safety device and close the CPAM circuit breaker, on the circuit breaker panel.
- (2) Install the access panels 224JRW and 224KRW ([AMM MPP 06-41-03/100](#)).
- (3) Do a check on the pitot/static system for leaks ([AMM TASK 34-13-00-790-804-A/500](#)).
- (4) Do the CPAM functional test ([AMM TASK 21-32-01-700-801-A/500](#)).



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TASK 21-32-01-040-801-A

EFFECTIVITY: ALL

4. CABIN PRESSURE ACQUISITION MODULE - DEACTIVATION PROCEDURES

A. General

- (1) The airplane may be dispatched with the Cabin Pressure Acquisition Mode (CPAM) inoperative provided flight is conducted in an unpressurized configuration.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-03-040-801-A/400	ELECTROPNEUMATIC OUTFLOW VALVE - DEACTIVATION PROCEDURE
AMM TASK 21-31-04-040-801-A/400	PNEUMATIC OUTFLOW VALVE - DEACTIVATION PROCEDURE

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

Not Applicable

I. Deactivation Procedures

SUBTASK 040-002-A

- (1) Refer to Electropneumatic and Pneumatic Outflow Valves Deactivation Procedures ([AMM TASK 21-31-03-040-801-A/400](#) and [AMM TASK 21-31-04-040-801-A/400](#)) for the two outflow valves secured open.
- (2) Write in the aircraft technical logbook that you did the deactivation procedure for the Cabin Pressure Acquisition Module.



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TASK 21-32-01-440-801-A

EFFECTIVITY: ALL

5. CABIN PRESSURE ACQUISITION MODULE - REACTIVATION PROCEDURES

A. General

- (1) This task gives the procedures to reactivate the Cabin Pressure Acquisition Module (CPAM).
- (2) This task refers to item 21-32-01 - Cabin Pressure Acquisition Module - of DDPM.

B. References

REFERENCE	DESIGNATION
AMM TASK 21-31-03-440-801-A/400	ELECTROPNEUMATIC OUTFLOW VALVE - REACTIVATION PROCEDURE
AMM TASK 21-31-04-440-801-A/400	PNEUMATIC OUTFLOW VALVE - REACTIVATION PROCEDURE

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

Not Applicable

I. Reactivation Procedures

SUBTASK 440-002-A

- (1) Do the troubleshooting and the applicable corrective maintenance procedure for the Cabin Pressure Acquisition Module.
- (2) Refer to Electropneumatic and Pneumatic Outflow Valves Reactivation Procedures ([AMM TASK 21-31-03-440-801-A/400](#) and [AMM TASK 21-31-04-440-801-A/400](#)).