



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

PRESSURIZATION CONTROL - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to deactivate and reactivate the Pressurization Control System.
- B. The pressurization control system keeps minimum cabin altitudes, with minimum rates of cabin altitude change during transitions, with minimum crew work load.
- 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
21-30-00-040-801-A	PRESSURIZATION CONTROL - DEACTIVATION PROCEDURES	ALL
21-30-00-440-801-A	PRESSURIZATION CONTROL - REACTIVATION PROCEDURES	ALL



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 21-30-00-040-801-A

EFFECTIVITY: ALL

2. PRESSURIZATION CONTROL - DEACTIVATION PROCEDURES

A. General

- (1) It is permitted to dispatch the airplane with the Pressurization Control System in Automatic Mode inoperative if:
 - Manual mode operates correctly.
 - Cabin differential pressure indication operates correctly.
 - Electropneumatic outflow valve is secured closed.
- (2) It is permitted to dispatch the airplane with the Pressurization Control System in Manual Mode inoperative if:
 - Automatic mode operates correctly.
 - Cabin differential pressure indication operates correctly.
 - Pneumatic outflow valve is secured closed.
- (3) It is permitted to dispatch the airplane with the Pressurization Control System in Automatic and Manual Modes inoperative if:
 - Flight is conducted in an unpressurized configuration.
 - The two outflow valves are secured open.

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



AIRCRAFT
MAINTENANCE MANUAL

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 outflow valves secured open, if required.
- (2) Write in the aircraft technical logbook that you did the deactivation procedure for the Pressurization Control System .



AIRCRAFT
MAINTENANCE MANUAL

TASK 21-30-00-440-801-A

EFFECTIVITY: ALL

3. PRESSURIZATION CONTROL - REACTIVATION PROCEDURES

A. General

- (1) This task gives the procedures to reactivate the Pressurization Control System.
- (2) This task refers to item 21-30-00 - Pressurization Control System - 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 Pressurization Control System or the component that could possibly caused its deactivation.
- (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](#)), if required.