



AIRCRAFT
MAINTENANCE MANUAL

STATIC PORT LINES - CLEANING/PAINTING

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to clean the static port lines.
- B. The cleaning of the static port lines is done with the application of dry air or dry nitrogen with a pressure equivalent to 25 psi to the tubing and to the static ports.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
21-31-13-100-801-A	STATIC PORT LINES - CLEANING	ALL



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TASK 21-31-13-100-801-A

EFFECTIVITY: ALL

2. STATIC PORT LINES - CLEANING

A. General

- (1) This task gives the procedure to clean the static port lines.
- (2) This procedure is applicable to both static port lines.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
AMM TASK 21-31-00-700-807-A/500	-
AMM TASK 21-31-00-700-809-A/500	-
AMM TASK 73-25-01-000-801-A/400	P0 SENSOR - REMOVAL
AMM TASK 73-25-01-400-801-A/400	P0 SENSOR - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
272	272CF	Rear electronic-compartment floor
272	272DR	Rear fuselage I, RH

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Compressed air or nitrogen source with a pressure of 25 psi, with a filter to protect against unwanted material	To clean the static port lines	

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	Rear electronic compartment

I. Preparation ([Figure 701](#))

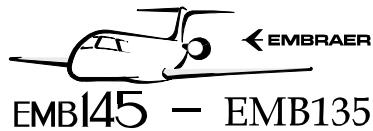
SUBTASK 841-002-A

- (1) On the overhead circuit breaker panel, open the circuit breakers below and attach DO-NOT-CLOSE tags to them:
 - STATIC PORT 1 (Location tip: DC BUS 1 / ICE AND RAIN PROTECTION / STATIC PORT 1).
 - STATIC PORT 2 (Location tip: DC BUS 2 / ICE AND RAIN PROTECTION / STATIC PORT 2).
- (2) Open access door 272DR (AMM MPP 06-41-01/100).
- (3) Remove floor access panel 272CF (AMM MPP 06-41-02/100).
- (4) Remove the four P0 sensors (6) ([AMM TASK 73-25-01-000-801-A/400](#)).
- (5) Remove the static port tubes (1).
- (6) Disconnect the static port tubes (3) from the electropneumatic outflow valve (5) and from the pneumatic outflow valve (4).
- (7) Install plastic caps on the electropneumatic outflow valve (5) and on the pneumatic outflow valve (4) fittings.

J. Clean Static Port Lines ([Figure 701](#))

SUBTASK 160-002-A

- (1) Connect the hose of a nitrogen cylinder or of a clean and dry compressed air source to the tube ends which were connected to the static port tubes (1).
- (2) Apply dry nitrogen or dry air at 25-psi pressure into the tubes, in the static port-to-sensor and outflow valve direction.
- (3) Make sure that the lines are not clogged and that the nitrogen or air can flow freely.
- (4) Connect the hose of a nitrogen cylinder or of a clean and dry compressed air source to the static port (2) fittings which were connected to the static port tubes (1).
- (5) Apply dry nitrogen or dry air at 25-psi pressure into the static ports (2), in the static port-to-overboard direction.
- (6) Make sure that the static ports (2) are not clogged and that the nitrogen or air can flow freely.
- (7) Connect the hose of a nitrogen cylinder or of a clean and dry compressed air source to the static port tubes (1), which were removed from the aircraft.
- (8) Apply dry nitrogen or dry air at 25-psi pressure into the tubes.
- (9) Make sure that the tubes are not clogged and that the nitrogen or air can flow freely.



EMB145 - EMB135

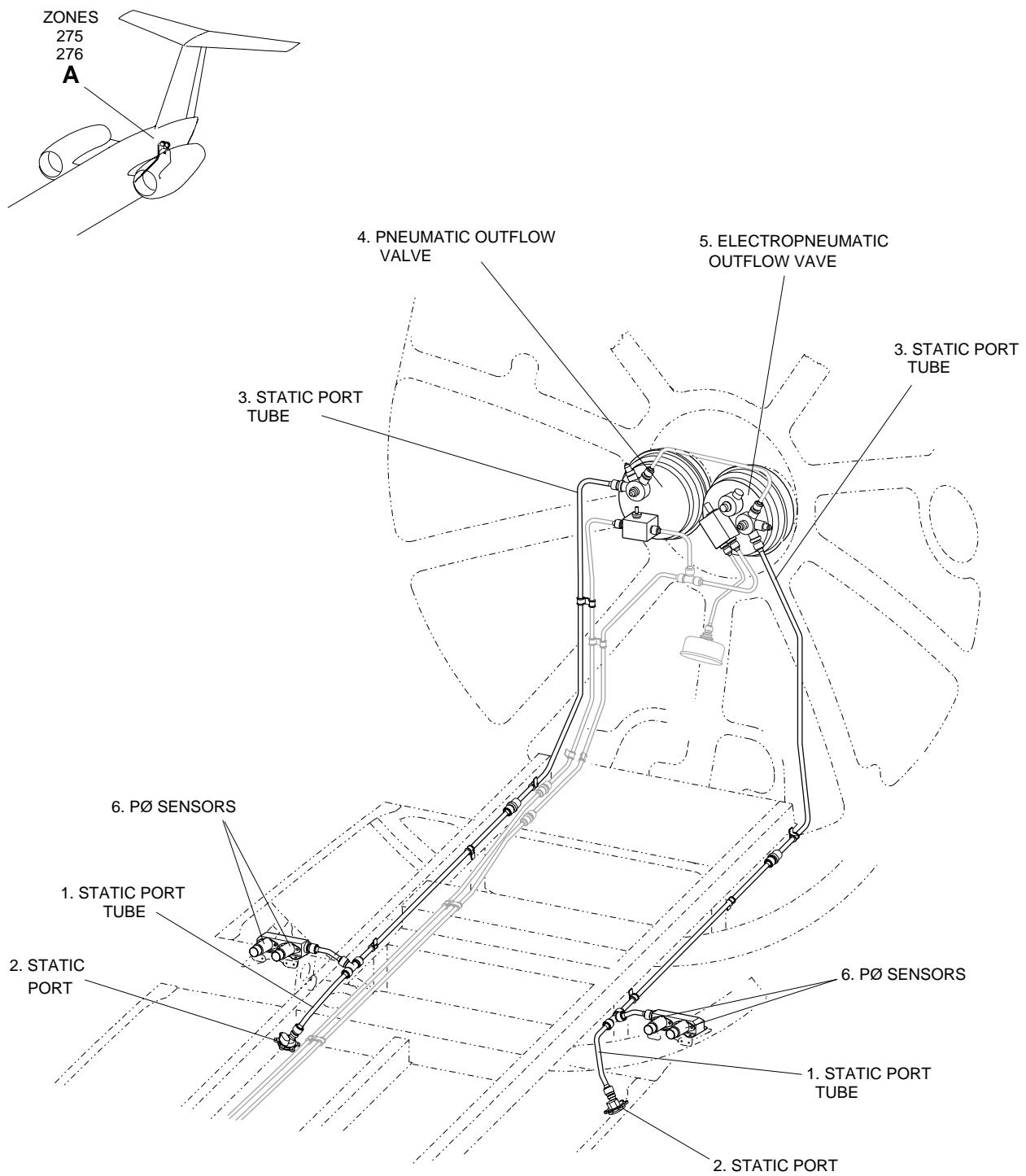
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K. Follow-on

SUBTASK 842-002-A

- (1) Remove the plastic caps from the electropneumatic outflow valve (5) and from the pneumatic outflow valve (4) fittings.
- (2) Connect the static port tubes (3) to the electropneumatic outflow valve (5) and to the pneumatic outflow valve (4).
- (3) Install the static port tubes (1).
- (4) Install the four P0 sensors (6) ([AMM TASK 73-25-01-400-801-A/400](#)).
- (5) Install floor access panel 272CF (AMM MPP 06-41-02/100).
- (6) Close access door 272DR (AMM MPP 06-41-01/100).
- (7) On the overhead circuit breaker panel, remove the DO-NOT-CLOSE tags from the circuit breakers below and close them:
 - STATIC PORT 1 (Location tip: DC BUS 1 / ICE AND RAIN PROTECTION / STATIC PORT 1).
 - STATIC PORT 2 (Location tip: DC BUS 2 / ICE AND RAIN PROTECTION / STATIC PORT 2).
- (8) Do the Functional Test of Overpressurization Relief Devices (AMM TASK 21-31-00-700-807-A/500) or the Functional Test of Overpressurization Relief Devices with Pitot/Static System Test Set (AMM TASK 21-31-00-700-809-A/500).

EFFECTIVITY: ALL
 Static Port Lines - Cleaning
 Figure 701


DET.A

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