



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

STATIC PORT - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the static ports.
- B. The static ports are installed on the rear fuselage I, between frames 73 and 74, under the rear electronic-compartment floor. The removal/installation procedures are applicable to the two 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).

TASK NUMBER	DESCRIPTION	EFFECTIVITY
21-31-07-000-801-A	STATIC PORT - REMOVAL	ALL
21-31-07-400-801-A	STATIC PORT - INSTALLATION	ALL



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TASK 21-31-07-000-801-A

EFFECTIVITY: ALL

2. STATIC PORT - REMOVAL

A. General

- (1) This task gives the procedures to remove the static port.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
SRM 51-20-01	-

C. Zones and Accesses

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

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Plastic or wooden spatula	To remove the sealant	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Under rear electronic-compartment floor
1	B - Helps technician A	External side of the fuselage

I. Preparation

SUBTASK 841-002-A

- (1) Open access door 272DR (AMM MPP 06-41-01/100).
- (2) Remove floor panel 272CF (AMM MPP 06-41-02/100) to remove the RH static port.



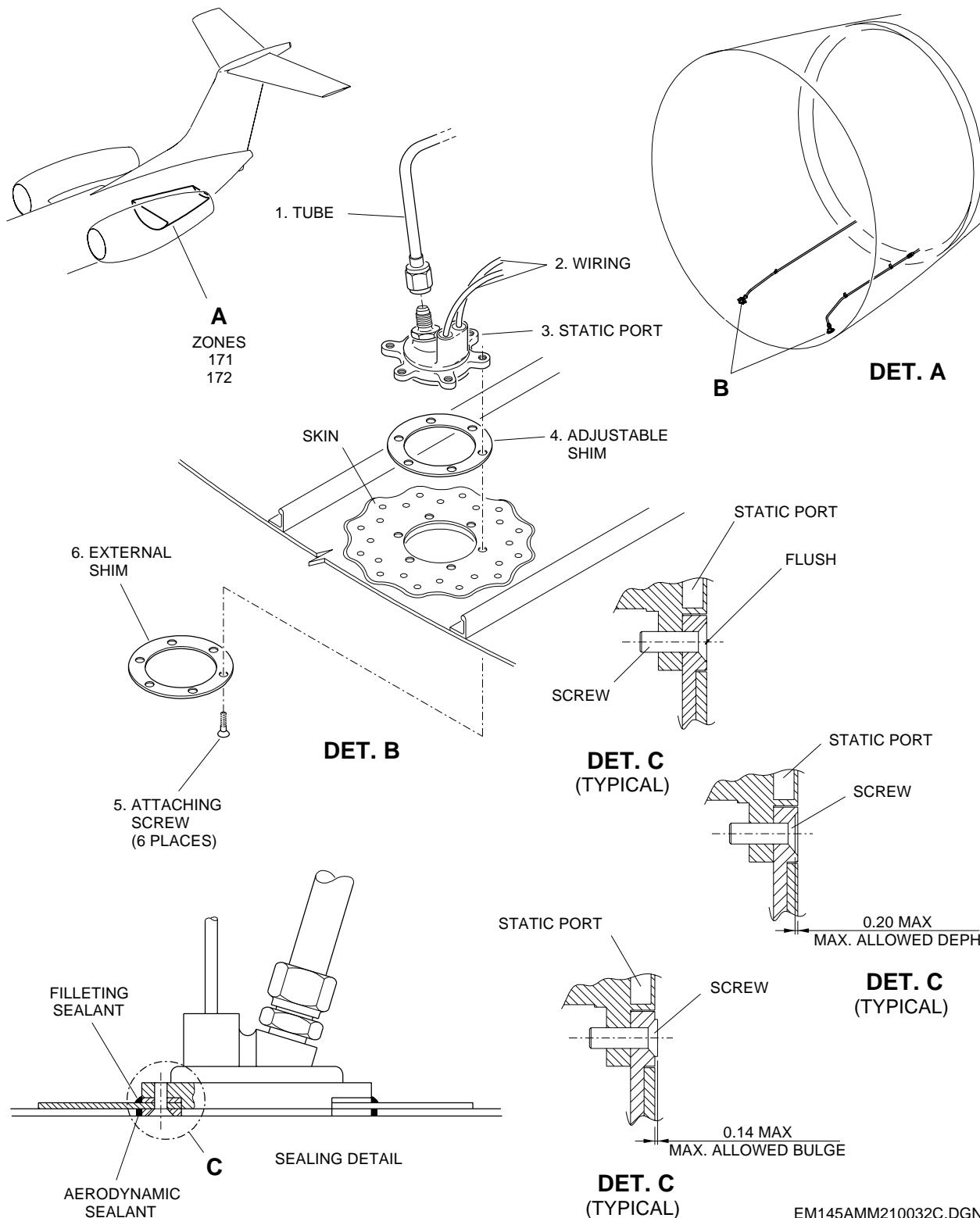
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- (3) On the circuit breaker panel, open the applicable circuit breaker(s) below and attach a DO-NOT-CLOSE tag to it (them):
 - STATIC PORT 1 (LH static port).
 - STATIC PORT 2 (RH static port).

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

SUBTASK 020-002-A

- (1) Disconnect the electrical wire (2) of the static port.
- (2) Disconnect the static port tube (1).
- (3) Remove all the old sealant with the plastic or wooden spatula, and prepare the surface (SRM 51-20-01).
- (4) Remove the screws (5).
- (5) Remove the static port (3).

EFFECTIVITY: ALL
Static Port - Removal/Installation
Figure 401


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TASK 21-31-07-400-801-A

EFFECTIVITY: ALL

3. STATIC PORT - INSTALLATION

A. General

(1) This task gives the procedures to install the static port.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM MPP 06-41-02/100	-
IPC 21-30-00	PRESSURIZATION DISTRIBUTION SYSTEM
SRM 51-20-01	-

C. Zones and Accesses

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

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-PRF-8802 Type II, Class B-2	Filletting Sealant PR-1440 B-2	AR
MIL-PRF-81733 Type II - Class B	Aerodynamic Sealant PR-2050 B-1/2	AR
Commercially available	Adhesive Loctite 221, Type I	AR

G. Expendable Parts

ITEM	IPC REFERENCE (VENDOR REFERENCE)	QTY
Adjustable Shim	IPC 21-30-00	1

H. Persons Recommended

QTY	FUNCTION	PLACE
1	A - Does the task	Under the rear electronic-compartment floor
1	B - Helps technician A	External side of the fuselage



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I. Preparation

SUBTASK 841-003-A

- (1) On the circuit breaker panel, make sure that the applicable circuit breaker(s) below is (are) open and with a DO-NOT-CLOSE tag attached to it (them):
 - STATIC PORT 1 (LH static port).
 - STATIC PORT 2 (RH static port).

J. Installation (Figure 401)

SUBTASK 420-002-A

WARNING: INSTALL THE STATIC PORT WITH ITS FACE TANGENT TO THE AIRCRAFT SKIN, WITH A TOLERANCE OF ± 0.2 mm (± 0.0079 in).

- (1) Position the static port (3) with the adjustable shim (4) and with external shim (6).
- (2) Adjust the static port (3).

NOTE: To get the tolerance of 0.2 mm (0.0079 in), remove the blades from the adjustable shim, if necessary.
- (3) Apply the adhesive on the screw surface.

NOTE: Refer to Figure 401 to find the allowed adjusting bulge for the static torque screws.
- (4) Install the screws (5).
- (5) Connect the static port tube (1).
- (6) Connect the electrical wire (2).
- (7) Apply the filleting sealant on the contour of the static port (SRM 51-20-01) in the internal region of the aircraft.
- (8) Apply the aerodynamic sealant to the region of the interface of the external shim with the fuselage (SRM 51-20-01).

K. Follow-on

SUBTASK 842-002-A

- (1) Install floor panel 272CF (AMM MPP 06-41-02/100).
- (2) Close access door 272DR (AMM MPP 06-41-01/100).
- (3) Remove the safety device and close the circuit breaker(s) on the circuit breaker panel, as applicable:
 - STATIC PORT 1 (LH static port).
 - STATIC PORT 2 (RH static port).