



# AIRCRAFT MAINTENANCE MANUAL

## PITOT-STATIC SYSTEM - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

### 1. General

- A. This section gives the procedures to connect and disconnect the Pitot/Static-System test set (GSE 129) to/from the aircraft sensors.
- B. The pitot/static-system test set (GSE 129) is used together with the air data kit (GSE 128).
- 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
34-13-00-000-801-A	PITOT/STATIC-SYSTEM TEST SET - DIS- CONNECTION	ALL
34-13-00-400-801-A	PITOT/STATIC-SYSTEM TEST SET - CONNECTION	ALL



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TASK 34-13-00-000-801-A

EFFECTIVITY: ALL

2. PITOT/STATIC-SYSTEM TEST SET - DISCONNECTION

A. General

- (1) This task gives the procedures to disconnect the Pitot/Static-System Test Set from the aircraft sensors.

B. References

REFERENCE	DESIGNATION
AMM TASK 34-13-03-400-801-A/400	ANEMOMETRIC STATIC PORT - INSTALLATION

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 128	Air Data Kit	To permit interface between GSE 129 and the aircraft	
GSE 129	Pitot/Static-System Test Set	Supply static and total pressure	

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	Outside the aircraft

I. Disconnection Procedures (Figure 401)

SUBTASK 080-002-A

- (1) Make sure that the pressures are relieved.
- (2) Disconnect the adapters with the hoses from anemometric static ports 2 and 4 (or from anemometric static ports 1 and 3).
- (3) Disconnect the adapters with hoses from pitot sensors 1, 2, and 3.
- (4) Remove the adapters from anemometric static ports 1 and 3 (or 2 and 4).
- (5) Install the attaching screws on the anemometric static ports that were removed to connect the test set ([AMM TASK 34-13-03-400-801-A/400](#)).



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- (6) On the LH electrical-power control/distribution box, close the circuit breakers below:
  - HEATING/TAT 1.
  - HEATING/PITOT 1.
  - HEATING/AOA 1.
- (7) On the RH electrical-power control/distribution box, close the circuit breakers below:
  - HEATING/TAT 2.
  - HEATING/PITOT 2.
  - HEATING/AOA 2.
  - PITOT HTG 3.



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TASK 34-13-00-400-801-A

EFFECTIVITY: ALL

3. PITOT/STATIC-SYSTEM TEST SET - CONNECTION

A. General

- (1) This task gives the procedures to connect the pitot/static-system test set (GSE 129) to the aircraft sensors.
- (2) The pitot/static-system test set (GSE 129) is used in conjunction with the air data kit (GSE 128).

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 128	Air Data Kit	To permit interface between GSE 129 and the aircraft	
GSE 129	Pitot/Static-System Test Set	To supply static and total pressure	

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Outside the aircraft

H. Connection Procedures ([Figure 401](#))

SUBTASK 480-002-A

- (1) Do the steps below to inhibit the sensor heating:

- (a) On the LH electrical-power control/distribution box, open the circuit breakers below:
  - HEATING/TAT 1.
  - HEATING/PITOT 1.
  - HEATING/AOA 1.
- (b) On the RH electrical-power control/distribution box, open the circuit breakers below:
  - HEATING/TAT 2.

- HEATING/PITOT 2.
- HEATING/AOA 2.
- PITOT HTG 3.

**WARNING: THE PITOT STATIC/STATIC SENSORS CAN BE HOT AFTER HEATER POWER IS TURNED OFF AND CAUSE INJURY TO PERSONS, IF TOUCHED.**

**CAUTION: TO PREVENT CONTAMINATION OF THE SYSTEM, MAKE SURE THAT THERE ARE NO FOREIGN MATERIALS IN THE PITOT/STATIC TUBE OR IN THE ADAPTERS, BEFORE THE CONNECTION OF THE TEST SET.**

- (2) **NOTE:** Adapters are used to connect the hoses to the sensors.

Do the connections from the test set to the ADC system sensors (Static ports 1/2/3/4, Pitot 1/2) as follows:

**NOTE:** For the ADC test, it is not necessary to make connections to PITOT/STATIC 3.

- (a) Remove the attaching screws from the anemometric static ports to connect the test set.
- (b) Connect the output static port of the test set to anemometric static ports 2 and 4 (or to anemometric static ports 1 and 3).
- (c) Use adapters to seal anemometric static ports 1 and 3 (or 2 and 4) and attach a REMOVE-BEFORE-FLIGHT tag to them.
- (d) Connect the output pressure port of the test set to pitot sensors 1 and 2.

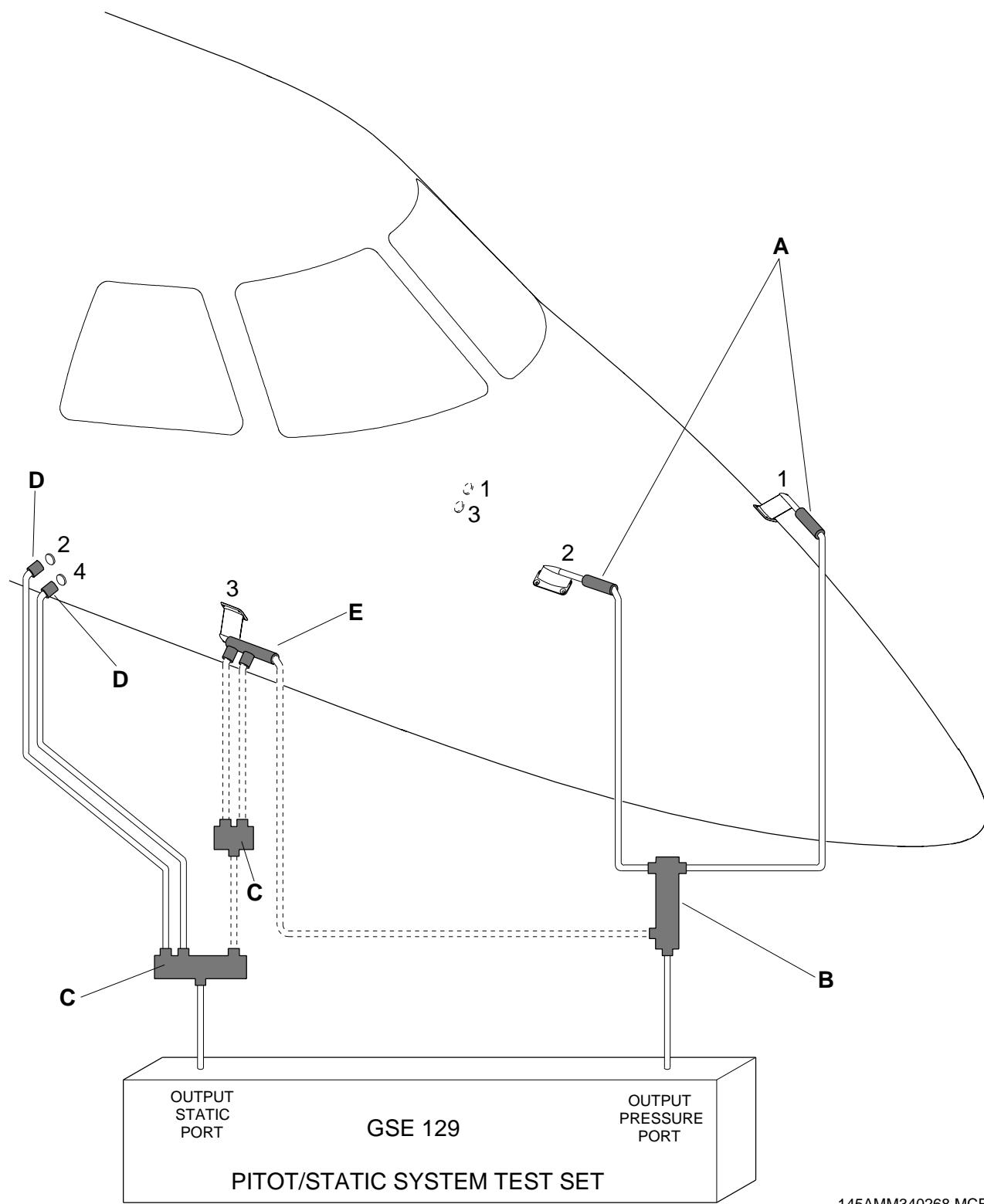
- (3) Do the connections from the test set to the Standby system sensor (PITOT/STATIC 3) as follows:

- (a) Connect the output static port of the test set to the anemometric static ports of PITOT/STATIC 3.
- (b) Connect the output pressure port of the test set to pitot sensor 3.

**EFFECTIVITY: ALL**

Pitot/Static System Test Set - Connection/Disconnection

Figure 401 - Sheet 1



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**EFFECTIVITY: ALL**

Pitot/Static System Test Set - Connection/Disconnection

Figure 401 - Sheet 2

