

## PITOT/STATIC 3 SENSOR - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install pitot/static sensor 3.
- B. 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
34-13-02-000-801-A	PITOT/STATIC SENSOR 3 - REMOVAL	ALL
34-13-02-400-801-A	PITOT/STATIC SENSOR 3 - INSTALLATION	ALL

TASK 34-13-02-000-801-A

EFFECTIVITY: ALL

## 2. PITOT/STATIC SENSOR 3 - REMOVAL

### A. General

(1) This procedure gives the instructions to remove pitot/static sensor 3.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM TASK 20-10-03-000-801-A/400</a>	TUBING - REMOVAL

### 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

QTY	FUNCTION	PLACE
1	Does the task	RH side of the cockpit

### I. Preparation

*SUBTASK 841-002-A*

- (1) On the RH electrical-power control/distribution box, open the PITOT HTG 3 circuit breaker and attach a DO-NOT-OPEN tag to it.

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

*SUBTASK 020-002-A*

**WARNING: DO NOT TOUCH THE PITOT/STATIC SENSOR IMMEDIATELY AFTER ITS HEATER WAS TURNED OFF TO PREVENT INJURY TO PERSONS.**

- (1) Remove the sealant from around the pitot/static sensor (1) base.
- (2) Remove the four screws (2).
- (3) Hold the pitot/static sensor (1) strut and pull it carefully to get access to the hoses (3) and electrical connector (4).
- (4) Disconnect the electrical connector (4).

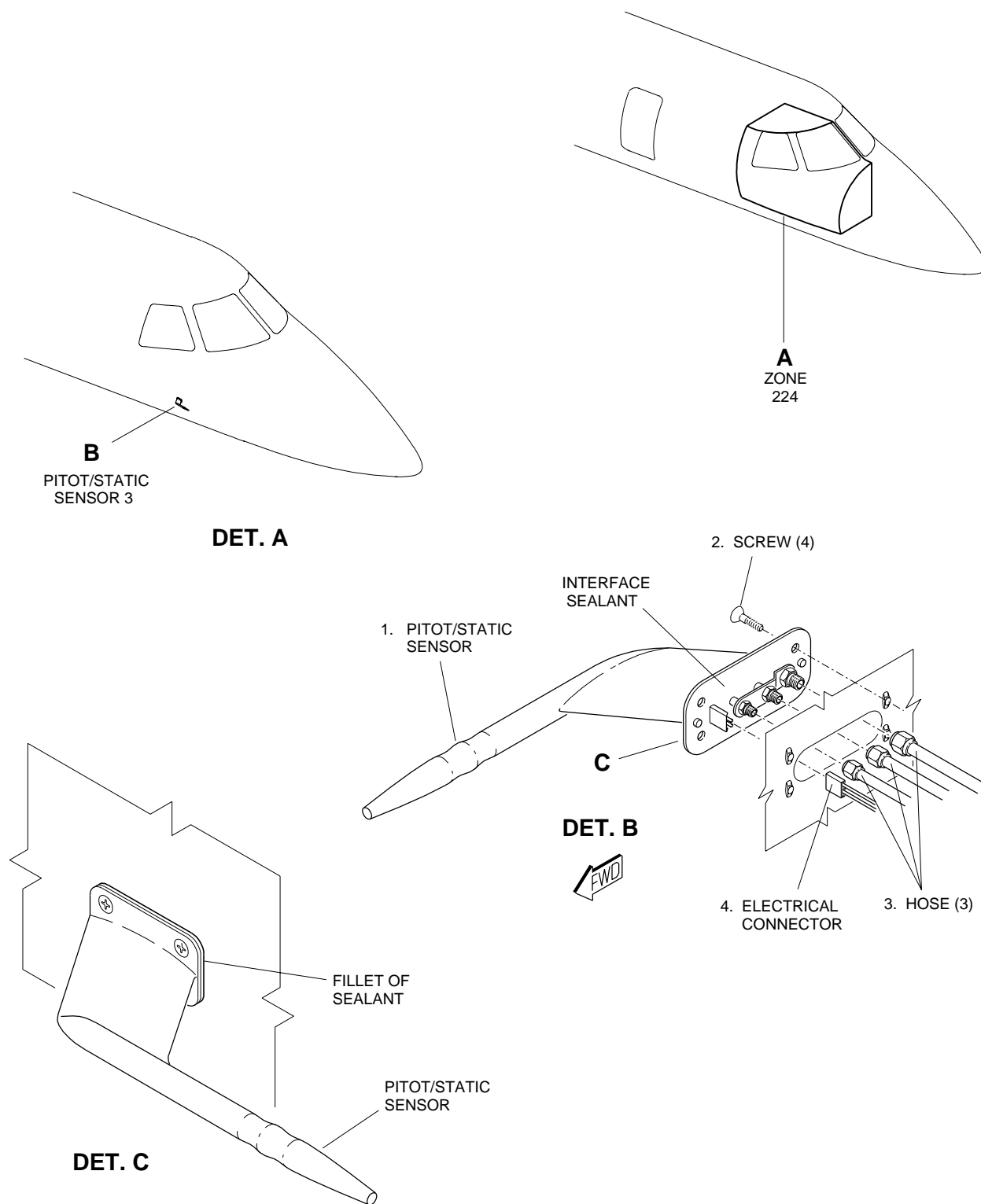
CAUTION: USE WRENCHES ON EACH SIDE OF THE FITTING TO PREVENT DAMAGE TO THE TUBING OR FITTING.

- (5) Disconnect the hoses (3) (3 positions) ([AMM TASK 20-10-03-000-801-A/400](#)).
- (6) Remove the pitot/static sensor (1).
- (7) Hold the hose (3) ends and electrical cable to make sure that they do not fall in the fuselage.
- (8) Install a cap/plug to the hose (3) ends.

EFFECTIVITY: ALL

Pitot/Static Sensor 3 - Removal/Installation

Figure 401



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TASK 34-13-02-400-801-A  
EFFECTIVITY: ALL

3. PITOT/STATIC SENSOR 3 - INSTALLATION

A. General

(1) This procedure gives the instructions to install pitot/static sensor 3.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-10-03-400-801-A/400	TUBING - INSTALLATION
AMM TASK 30-31-00-700-803-A/500	PITOT AND ANEMOMETRIC STATIC PORT HEATING - OPERATIONAL TEST
AMM TASK 34-13-00-790-804-A/500	STANDBY SYSTEM - LEAKAGE TEST

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

SPECIFICATION (BRAND)	DESCRIPTION	QTY
MIL-S-81733, Type IV-12	Interface sealant	AR
MIL-S-8802, Type II, Class B2	Sealant	AR

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	RH side of the cockpit

I. Installation (Figure 401)

*SUBTASK 420-002-A*

**CAUTION:** BEFORE THE INSTALLATION, MAKE SURE THAT THERE IS NO UNWANTED MATERIAL IN THE PITOT/STATIC SENSOR TO PREVENT THE CONTAMINATION OF THE SYSTEM.

- (1) Remove all the old sealant from the fuselage skin surface where the pitot/static sensor is installed. For this, use a plastic spatula.
- (2) Remove the cap/plug from the hose (3) ends.

CAUTION: • USE WRENCHES ON EACH SIDE OF THE FITTING TO PREVENT DAMAGE TO THE TUBING OR FITTING.

- MAKE SURE THAT THE FLEXIBLE TUBE IS NOT TWISTED BEFORE AND AFTER TORQUE APPLICATION.

- (3) Connect the hoses (3) to the pitot/static sensor (1) ([AMM TASK 20-10-03-400-801-A/400](#)).
- (4) Connect the electrical connector (4) to the pitot/static sensor (1).
- (5) Apply interface sealant to the pitot/static sensor (1) base.
- (6) Hold the pitot/static sensor (1) and carefully insert the hoses and electrical cable in the fuselage.
- (7) Put the pitot/static sensor (1) in its installation position on the skin.
- (8) Make sure that the guide pins of the pitot/static sensor (1) are correctly installed in the holes at the skin.
- (9) Install the four screws (2).
- (10) Remove the unwanted interface sealant from around the pitot/static sensor base.
- (11) Apply a fillet of sealant along the contour of the pitot/static sensor base.

J. Follow-on

*SUBTASK 842-002-A*

- (1) On the RH electrical-power control/distribution box, close the PITOT HTG 3 circuit breaker and remove the DO-NOT-CLOSE tag from it.
- (2) Do the Standby System Leakage test ( [AMM TASK 34-13-00-790-804-A/500](#)).
- (3) Do an operational check on the pitot and anemometric static port heating system ([AMM TASK 30-31-00-700-803-A/500](#)).