



AIRCRAFT
MAINTENANCE MANUAL

STATIC PORT CURRENT SENSOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the current sensors of the heating system of the anemometric static ports.
- B. These procedures are applicable to the two current sensors of the heating system of the anemometric static ports.
- C. The current sensors are installed below the floor, on the LH and RH sides of the cockpit fuselage.
- D. 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
30-31-02-000-801-A	CURRENT SENSOR - REMOVAL	ALL
30-31-02-400-801-A	CURRENT SENSOR - INSTALLATION	ALL



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TASK 30-31-02-000-801-A

EFFECTIVITY: ALL

2. CURRENT SENSOR - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the current sensor of the heating system of the anemometric static ports.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	-
S.B.145-30-0010	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
221	221CF	Cockpit fuselage, below the floor
222	222BF	Cockpit fuselage, below the floor

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	Cockpit fuselage, below the floor

I. Preparation

SUBTASK 841-002-A

- (1) Open the HEATING/PITOT 1 circuit breaker and attach a DO-NOT-CLOSE tag to it (LH electrical-power control/distribution box ([AMM SDS 24-60-00/1](#))).
- (2) Open the HEATING/PITOT 2 circuit breaker and attach a DO-NOT-CLOSE tag to it (RH electrical-power control/distribution box ([AMM SDS 24-60-00/1](#))).
- (3) Remove cockpit floor panels 221CF and 222BF (AMM MPP 06-41-02/100).



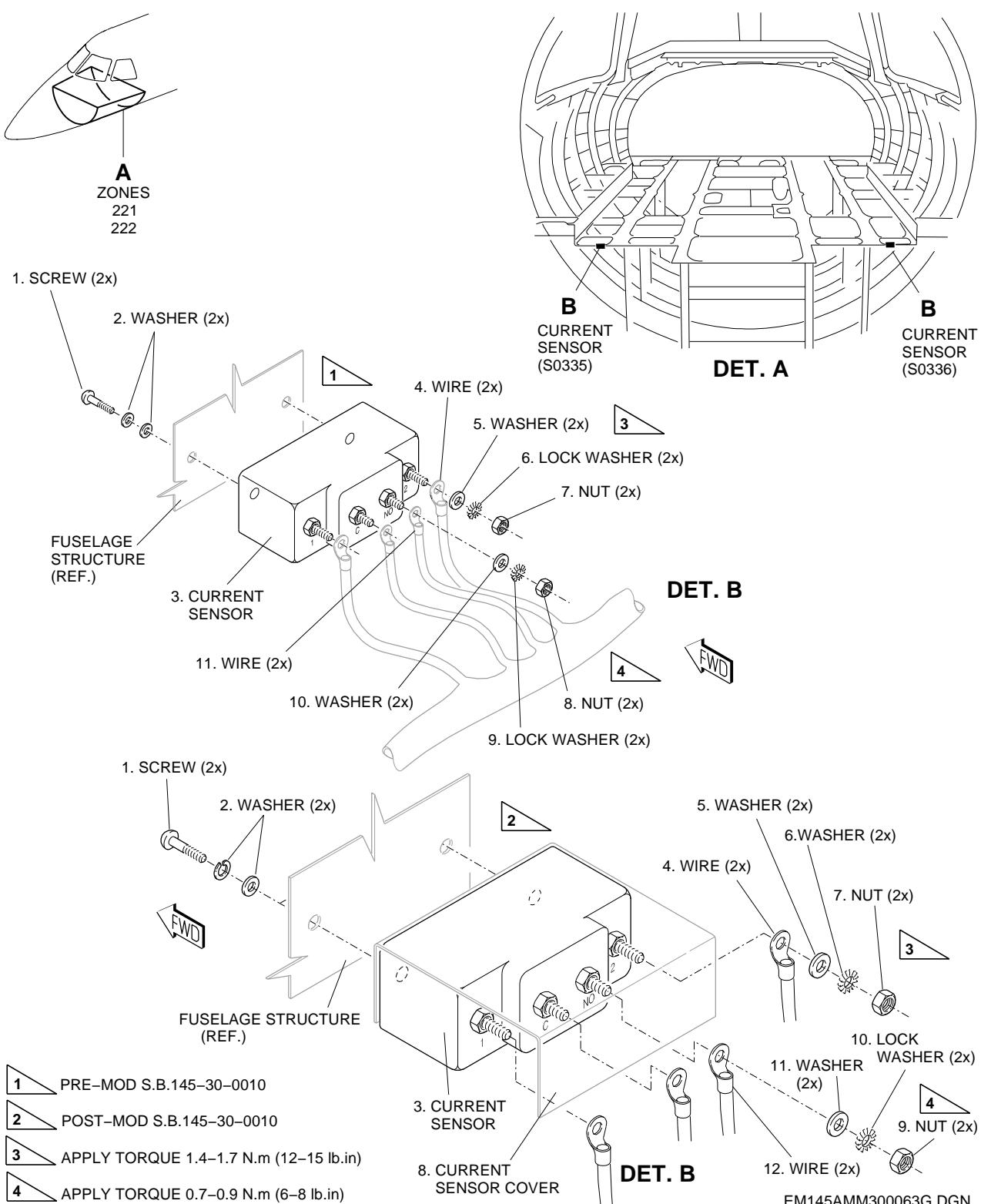
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J. Removal

SUBTASK 020-002-A

- (1) (PRE-MOD. [S.B.145-30-0010](#)) ([Figure 401](#)).
 - (a) Remove the nuts (7) and washers (6) and (5) to disconnect the outer wires (4) (2 positions).
 - (b) Remove the nuts (8) and washers (9) and (10) to disconnect the inner wires (11) (2 positions).
 - (c) Remove the screws (1) and washers (2) (2 positions) that attach the current sensor (3) to the fuselage structure.
 - (d) Remove the current sensor (3).
- (2) (POST-MOD. [S.B.145-30-0010](#)) ([Figure 401](#)).
 - (a) Remove the screws (1) and washers (2) (2 positions).
 - (b) Remove the current sensor cover (8).
 - (c) Remove the nuts (7) and washers (6) and (5) to disconnect the outer wires (4) (2 positions).
 - (d) Remove the nuts (9) and washers (10) and (11) to disconnect the inner wires (12) (2 positions).
 - (e) Remove the current sensor (3).

EFFECTIVITY: ALL
Current Sensor - Removal/Installation
Figure 401


TASK 30-31-02-400-801-A
EFFECTIVITY: ALL
3. CURRENT SENSOR - INSTALLATION
A. General

- (1) This procedure gives the instructions to install the current sensor of the heating system of the anemometric static ports.

B. References

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-02/100	-
AMM SDS 24-60-00/1	
AMM TASK 28-41-00-200-801-A/600	-
AMM TASK 30-31-00-700-801-A/500	PITOT AND ANEMOMETRIC STATIC PORT HEATING - OPERATIONAL CHECK
S.B.145-30-0010	-

C. Zones and Accesses

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
221	221CF	Cockpit fuselage, below the floor
222	222BF	Cockpit fuselage, below the floor

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Cockpit fuselage, below the floor

I. Installation
SUBTASK 420-002-A

- (1) (PRE-MOD. [S.B.145-30-0010](#)) (Figure 401).

- (a) Put the current sensor (3) on its installation position, at the fuselage structure.

- (b) Install the screws (1) and washers (2) (2 positions) to attach the current sensor (3) to the fuselage structure.
 - (c) Connect the inner wires (11) (2 positions) to the current sensor (3).
 - (d) Install the washers (9) and (10), and nuts (8) with the necessary torque to attach the inner wires (11).
 - (e) Connect the outer wires (4) (2 positions) to the current sensor (3).
 - (f) Install the washers (5) and (6), and nuts (7) with the necessary torque to attach the outer wires (4).
- (2) (POST-MOD. [S.B.145-30-0010](#)) (Figure 401).
- (a) Connect the inner wires (12) (2 positions) to the current sensor (3).
 - (b) Install the washers (10) and (11) and nuts (9) with the necessary torque to attach the inner wires (12).
 - (c) Connect the outer wires (4) (2 positions) to the current sensor (3).
 - (d) Install the washers (5) and (6) and nuts (7) with the necessary torque to attach the outer wires (4).
 - (e) Put the current sensor cover (8) on the current sensor (3) on their installation position, at the fuselage structure.
 - (f) Install the screws (1) and washers (2) (2 positions) to attach the current sensor (3) with sensor cover (8) to the fuselage structure.

J. Follow-on

SUBTASK 842-002-A

- (1) Do an operational check on the heating system of the anemometric static ports ([AMM TASK 30-31-00-700-801-A/500](#)).
- (2) Do an inspection on the fuel quantity indication harness (AMM TASK 28-41-00-200-801-A/600).

NOTE: The inspection of fuel quantity indication harness is a part of Critical Design Configuration Control Limitations (CDCCL) in the Airworthiness Limitations (Section 6) of the Maintenance Review Board Report (MRB).
- (3) Install cockpit floor panels 221CF and 222BF (AMM MPP 06-41-02/100).
- (4) Close the HEATING/PITOT 1 circuit breaker and remove the DO-NOT-CLOSE tag from it (LH electrical-power control/distribution box ([AMM SDS 24-60-00/1](#))).
- (5) Close the HEATING/PITOT 2 circuit breakers and remove the DO-NOT-CLOSE tag from it (RH electrical-power control/distribution box ([AMM SDS 24-60-00/1](#))).