



AIRCRAFT MAINTENANCE MANUAL

WINDSHIELD HEATING SENSORS - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the windshield heating sensors from to the terminal block at the windshield in the cockpit.
- 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 |
|--------------------|--|-------------|
| 30-42-04-000-801-A | WINDSHIELD HEATING SENSORS - RE- MOVAL | ALL |
| 30-42-04-400-801-A | WINDSHIELD HEATING SENSORS - IN- STALLATION | ALL |



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TASK 30-42-04-000-801-A

EFFECTIVITY: ALL

2. WINDSHIELD HEATING SENSORS - REMOVAL

A. General

- (1) This procedure gives the instructions to remove the windshield heating sensors from the terminal block at the windshield in the cockpit.

B. References

| REFERENCE | DESIGNATION |
|---------------------------------|--------------------------------|
| AMM TASK 25-12-07-000-801-A/400 | GLARESHIELD COVERAGE - 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 | Cockpit |

I. Preparation

SUBTASK 841-002-A

- (1) On the overhead Circuit Breaker Panel, open these circuit breakers and attach a DO-NOT-CLOSE tag to them.
- WSHLD TEMP 1: (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/WSHLD TEMP 1).
 - WSHLD TEMP 2: (Location tip: SHED DC BUS 2/ICE AND RAIN PROTECTION/WSHLD TEMP 2).
- (2) Remove the glareshield coverage from the instrument panel ([AMM TASK 25-12-07-000-801-A/400](#)).



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

SUBTASK 020-002-A

- (1) To remove terminals P (positive terminal) and G (ground terminal) from the terminal block, do as follows.

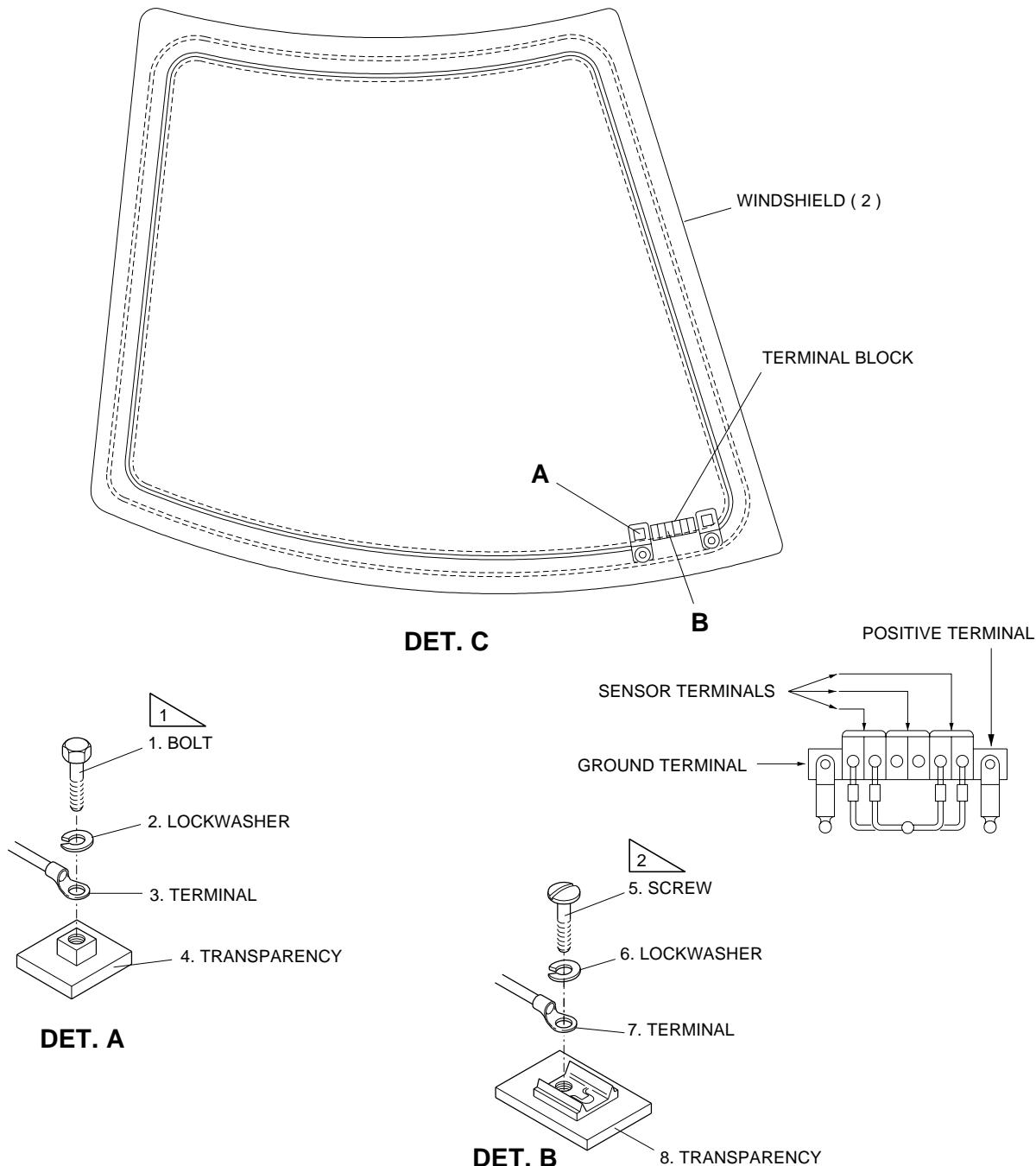
NOTE: Do this step only if is necessary to remove the windshield.

- (a) Remove the bolt (1), lockwasher (2), and terminal (3) from the transparency (4).
- (2) To remove the windshield heating sensors, do as follows:
 - (a) Remove the screw (5), lockwasher (6), and the terminal (7) from the transparency (8).

EFFECTIVITY: ALL

Windshield Heating Sensors - Removal/Installation

Figure 401



1 TORQUE: 3,95 TO 4,52 N.m (35 TO 40 lb.in) FOR PPG MADE WINDSHIELD
 TORQUE: 4,52 TO 5,65 N.m (40 TO 50 lb.in) FOR SIERRACIM MADE WINDSHIELD

2 TORQUE: 1,13 TO 1,69 N.m (10 TO 15 lb.in)

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TASK 30-42-04-400-801-A
EFFECTIVITY: ALL
3. WINDSHIELD HEATING SENSORS - INSTALLATION
A. General

- (1) This procedure gives the instructions to install the windshield heating sensors to the terminal block at the windshield in the cockpit.

B. References

| <i>REFERENCE</i> | <i>DESIGNATION</i> |
|---------------------------------|-------------------------------------|
| AMM TASK 25-12-07-400-801-A/400 | GLARESHIELD COVERAGE - INSTALLATION |

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

| <i>QTY</i> | <i>FUNCTION</i> | <i>PLACE</i> |
|------------|-----------------|--------------|
| 1 | Does the task | Cockpit |

I. Installation (Figure 401)
SUBTASK 420-002-A

- (1) To install the sensors do as follows:

CAUTION: IT IS VERY IMPORTANT THAT YOU APPLY THE CORRECT TORQUE AS GIVEN IN FIGURE 401. AN INCORRECT TORQUE CAN CAUSE POOR CONTACT AND, AS A CONSEQUENCE, SMOKE/SMELL CONTAMINATION IN THE CABIN.

- (a) Install the terminal (7), lockwasher (6) and screw (5) to the transparency (8) with the necessary torque.
- (2) To install terminals P (positive terminal) and G (ground terminal) to the terminal block, do as follows:
- (a) Install the terminal (3), lockwasher (2), and bolt (1) to the transparency (4) with the necessary torque.



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J. Follow-on

SUBTASK 842-002-A

- (1) Install the glareshield to the instrument panel ([AMM TASK 25-12-07-400-801-A/400](#))
- (2) On the overhead Circuit Breaker Panel, close these circuit breakers and remove the DO-NOT-CLOSE tag from them.
 - WSHLD TEMP 1: (Location tip: DC BUS 1/ICE AND RAIN PROTECTION/ WSHLD TEMP 1).
 - WSHLD TEMP 2: (Location tip: SHED DC BUS 2/ICE AND RAIN PROTECTION/ WSHLD TEMP 2).