

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

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](#)).

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.

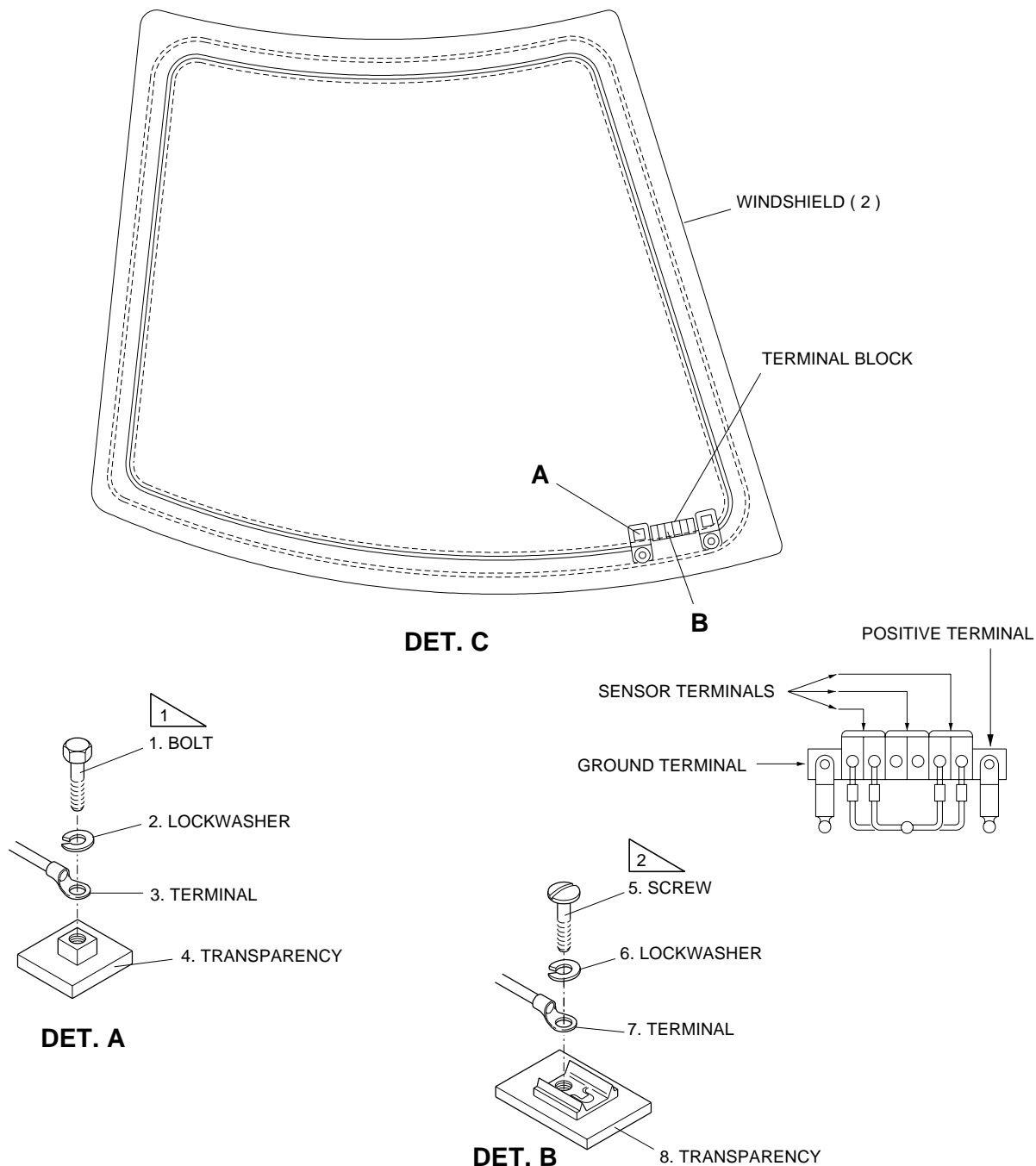
NOTE: Do this step only if is necessary to remove the windshield.

- (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

REFERENCE	DESIGNATION
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

QTY	FUNCTION	PLACE
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.

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).