

WINDSHIELD POWER CONTACTOR - REMOVAL/INSTALLATION

EFFECTIVITY: PRE-MOD. S. B. 145-30-0033

1. General

- A. This section gives the procedures to remove and install the windshield power contactors.
- B. These procedures are applicable to windshield power contactor 1 and windshield power contactor 2.
- C. Windshield power contactor 1 is installed in a box at the support between frames 10 and 12, below the cockpit floor, on the LH side. Windshield power contactor 2 is installed in a box at the support between frames 10 and 12, below the cockpit floor, on the RH side.
- 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 |
|--------------------|---|----------------------------|
| 30-42-03-000-801-A | WINDSHIELD POWER CONTACTOR - REMOVAL | PRE-MOD. S. B. 145-30-0033 |
| 30-42-03-400-801-A | WINDSHIELD POWER CONTACTOR - INSTALLATION | PRE-MOD. S. B. 145-30-0033 |

TASK 30-42-03-000-801-A

EFFECTIVITY: PRE-MOD. S. B. 145-30-0033

2. WINDSHIELD POWER CONTACTOR - REMOVAL

A. General

(1) This procedure gives the instructions to remove the windshield power contactor.

B. References

| REFERENCE | DESIGNATION |
|---|--------------------------------|
| AMM MPP 06-41-02/100 | - |
| AMM TASK 25-11-01-000-801-A/400 | PILOT SEAT - REMOVAL |
| AMM TASK 53-01-01-000-801-A/400 | COCKPIT FLOOR PANELS - REMOVAL |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|------------------------|
| 221 | 221CF | Cockpit LH/Floor panel |
| 222 | 222BF | Cockpit RH/Floor panel |

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 | Area below the cockpit floor, on the LH and/or RH side |

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the GPU pushbutton, on the Overhead Panel, is set to OFF.
- (2) Put a DO-NOT-SET-TO-ON tag, on the GPU pushbutton.
- (3) Make sure that the BATT 1 and BATT 2 switches, on the Overhead Panel, are set to OFF.
- (4) Put a DO-NOT-SET-TO-ON tag, on the BATT 1 and BATT 2 switches.

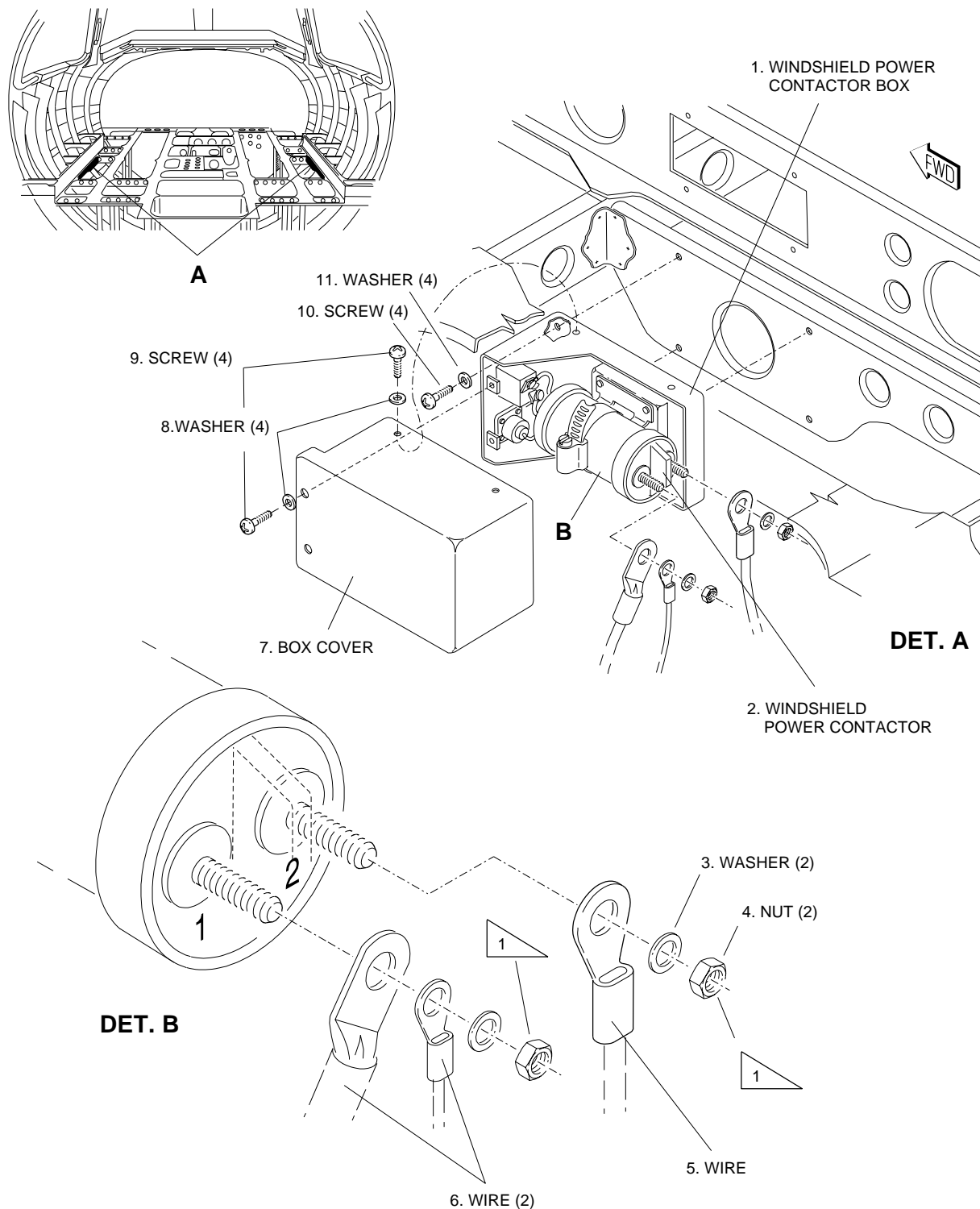
- (5) Set the BACKUP pushbutton, on the Overhead Panel, to OFF.
- (6) Put a DO-NOT-SET-TO-ON tag on the BACKUP pushbutton.
- (7) Remove the pilot and/or copilot seat ([AMM TASK 25-11-01-000-801-A/400](#)).
- (8) To get access to windshield power contactor 1, remove floor panel 221CF (AMM MPP 06-41-02/100) and ([AMM TASK 53-01-01-000-801-A/400](#)).
- (9) To get access to windshield power contactor 2, remove floor panel 222BF (AMM MPP 06-41-02/100) and ([AMM TASK 53-01-01-000-801-A/400](#)).

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

SUBTASK 020-002-A

- (1) Remove the four screws (9) and washers (8) that attach the box cover (7).
- (2) Remove the two nuts (4) and washers (3) that attach the two wires (6) and the wire (5).
- (3) Remove the four screws (10) and washers (11) that attach the windshield power contactor box (1).
- (4) Remove the windshield power contactor box (1) with the windshield power contactor (2).

EFFECTIVITY: PRE-MOD. S.B. 145-30-0033
Windshield Power Contactor - Removal/Installation
Figure 401



1 TORQUE: 2.6 TO 2.9 N.M (23.3 TO 26.0 Lb.IN)

145AMM300102C.MCE

TASK 30-42-03-400-801-A

EFFECTIVITY: PRE-MOD. S. B. 145-30-0033

3. WINDSHIELD POWER CONTACTOR - INSTALLATION

A. General

(1) This procedure gives the instructions to install the windshield power contactor.

B. References

| REFERENCE | DESIGNATION |
|---|--|
| AMM MPP 06-41-02/100 | - |
| AMM TASK 25-11-01-400-801-A/400 | PILOT SEAT - INSTALLATION |
| AMM TASK 28-41-00-200-801-A/600 | - |
| AMM TASK 30-42-00-700-801-A/500 | WINDSHIELD HEATING - OPERATIONAL CHECK |
| AMM TASK 53-01-01-400-801-A/400 | COCKPIT FLOOR PANELS - INSTALLATION |

C. Zones and Accesses

| ZONE | PANEL/DOOR | LOCATION |
|------|------------|------------------------|
| 221 | 221CF | Cockpit LH/Floor panel |
| 222 | 222BF | Cockpit RH/Floor panel |

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 | Area below the cockpit floor, on the LH and/or RH side |

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the windshield power contactor box (1) with the windshield power contactor (2).
- (2) Install the four washers (11) and screws (10) that attach the windshield power contactor box (1).
- (3) Install the two washers (3) and nuts (4) that attach the two wires (6) and the wire (5).

- (4) Install the four washers (8) and screws (9) that attach the box cover (7).

J. Follow-on

SUBTASK 842-002-A

- (1) 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).

- (2) Close floor panels 221CF and 222BF (AMM MPP 06-41-02/100) and ([AMM TASK 53-01-01-400-801-A/400](#)).
- (3) Install the pilot and/or copilot seat ([AMM TASK 25-11-01-400-801-A/400](#)).
- (4) Remove the DO-NOT-SET-TO-ON tag from the BACKUP pushbutton.
- (5) Set the BACKUP pushbutton to AUTO.
- (6) Remove the DO-NOT-SET-TO-ON tag from the GPU pushbutton.
- (7) Remove the DO-NOT-SET-TO-ON tag from the BATT 1 and BATT 2 switches.
- (8) Do the operational check of the windshield heating system ([AMM TASK 30-42-00-700-801-A/500](#)).