



AIRCRAFT MAINTENANCE MANUAL

WINDSHIELD CONTACTOR - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the windshield contactors.
- B. These procedures are applicable to the windshield contactor 1 and windshield contactor 2.
- C. The windshield contactor 1 is installed in the LH Electrical-power control/distribution box and the windshield contactor 2 is installed in the RH Electrical-power control/distribution box.
- 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
30-42-02-000-801-A	WINDSHIELD CONTACTOR - REMOVAL	ALL
30-42-02-400-801-A	WINDSHIELD CONTACTOR - INSTALLA- TION	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-42-02-000-801-A

EFFECTIVITY: ALL

2. WINDSHIELD CONTACTOR - REMOVAL

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223UZ	LH cockpit/pax partition
224	224NZ	RH cockpit/pax partition

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	LH or RH cockpit/pax partition

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 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-AUTO tag, on BATT 1 and BATT 2 switches.
- (5) Set the BACKUP pushbutton, on the overhead panel, to OFF.
- (6) Put a DO-NOT-SET-AUTO tag, on BACKUP pushbutton.



AIRCRAFT MAINTENANCE MANUAL

- (7) To get access to the windshield contactor 1 (LH electrical-power control/distribution box), remove the lifevest shroud assembly and remove the 223UZ access panel ([AMM MPP 06-41-03/100](#)).
- (8) To get access to the windshield contactor 2 (RH electrical-power control/distribution box), remove the 224NZ access panel ([AMM MPP 06-41-03/100](#)), through the wardrobe.

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

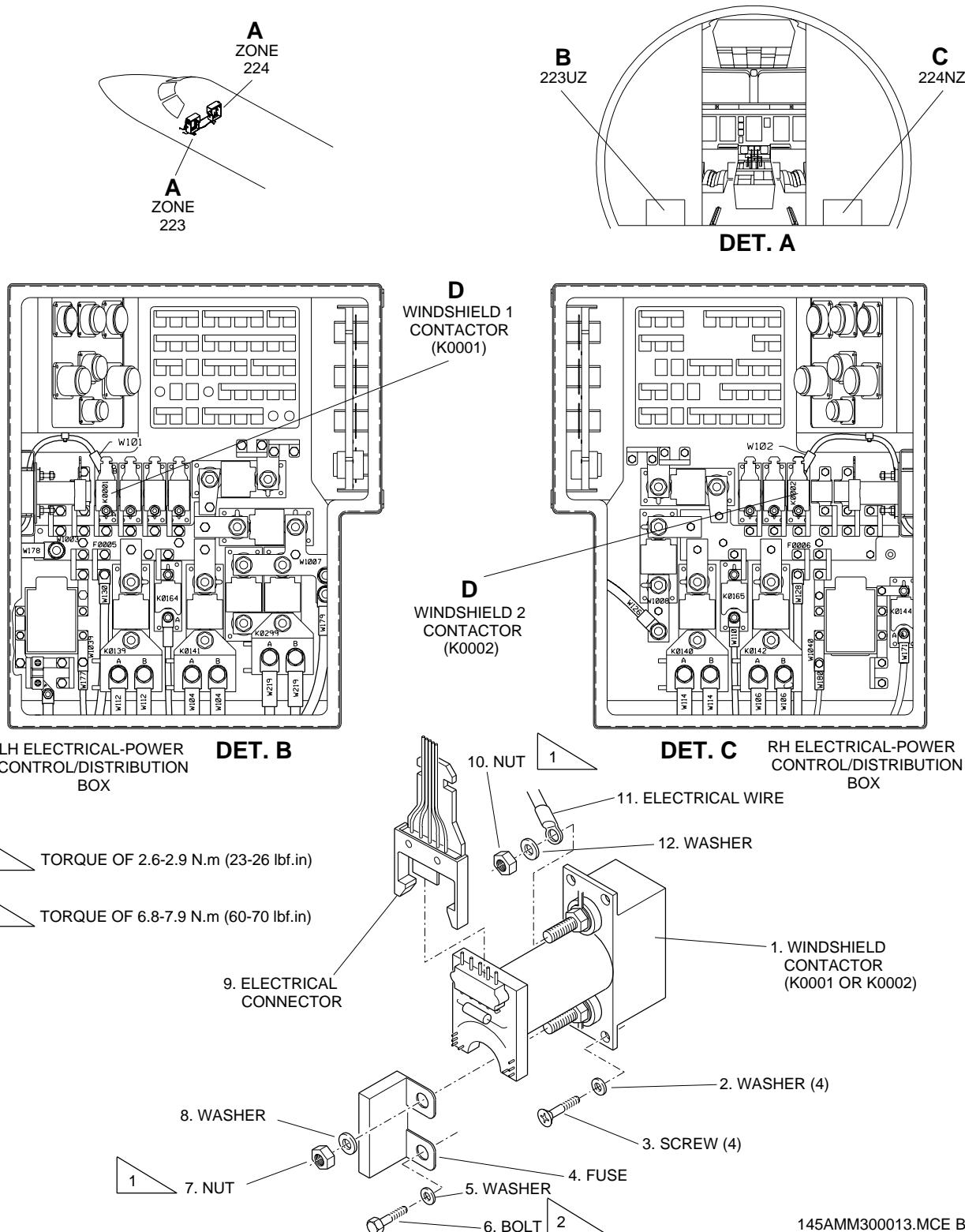
SUBTASK 020-002-A

- (1) Disconnect the electrical connector (9).
- (2) Remove the nut (7), washers (8) and (5), and bolt (6).
- (3) Remove the fuse (4).
- (4) Disconnect the electrical wire (11). For this, remove the nut (10) and washer (12).
- (5) Remove the four screws (3) and washers (2).
- (6) Remove the windshield contactor (1).

EFFECTIVITY: ALL

Windshield Contactor - Removal/Installation

Figure 401





EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 30-42-02-400-801-A

EFFECTIVITY: ALL

3. WINDSHIELD CONTACTOR - INSTALLATION

A. General

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

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-03/100	- COMPONENT LOCATION
AMM SDS 24-60-00/1	
AMM TASK 30-42-00-700-801-A/500	WINDSHIELD HEATING - OPERATIONAL CHECK

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
223	223UZ	LH cockpit/pax partition
224	224NZ	RH cockpit/pax partition

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench	To apply the torque	

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	LH or RH cockpit/pax partition

I. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Put the windshield contactor (1) in the electrical-power control/distribution box ([AMM SDS 24-60-00/1](#)).
- (2) Install the screws (3) and washers (2) to attach the windshield contactor (1) in the electrical-power control/distribution box.



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

- (3) Connect the electrical wire (11) with the washer (10) and nut (9).
- (4) Apply a torque to the nut (9), as necessary.
- (5) Put the fuse (4) on the windshield contactor (1).
- (6) Install the washer (8) and the nut (7).
- (7) Apply a torque to the nut (7), as necessary.
- (8) Install the washer (5) and bolt (6).
- (9) Apply a torque to the bolt (6), as necessary.
- (10) Connect the electrical connector (9).

J. Follow-on

SUBTASK 842-002-A

- (1) Close the 223UZ or 224NZ access panel ([AMM MPP 06-41-03/100](#)), and install the lifevest shroud assembly (as applicable).
- (2) Remove the DO-NOT-SET-AUTO tag from the BACKUP pushbutton.
- (3) Set the BACKUP pushbutton to AUTO.
- (4) Remove the DO-NOT-SET-TO-ON tag from the GPU pushbutton.
- (5) Remove the DO-NOT-SET-TO-AUTO tag from BATT 1 and BATT 2 switches.
- (6) Do the Operational Check of the Windshield Heating System ([AMM TASK 30-42-00-700-801-A/500](#)).