

## RECIRCULATION FAN CONTACTOR - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to remove and install the recirculation fan contactors.
- B. These procedures are applicable to the recirculation fan contactor 1 and recirculation fan contactor 2.
- C. The recirculation fan contactor 1 is installed in the LH Electrical-power control/distribution box and the recirculation fan 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
21-24-03-000-801-A	RECIRCULATION FAN CONTACTOR - RE- MOVAL	ALL
21-24-03-400-801-A	RECIRCULATION FAN CONTACTOR - IN- STALLATION	ALL

TASK 21-24-03-000-801-A

EFFECTIVITY: ALL

## 2. RECIRCULATION FAN CONTACTOR - REMOVAL

### A. General

(1) This procedure gives the instructions to remove the recirculation fan contactor.

### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 06-41-03/100</a>	- 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.

- (7) To get access to the recirculation fan 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 recirculation fan 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](#))

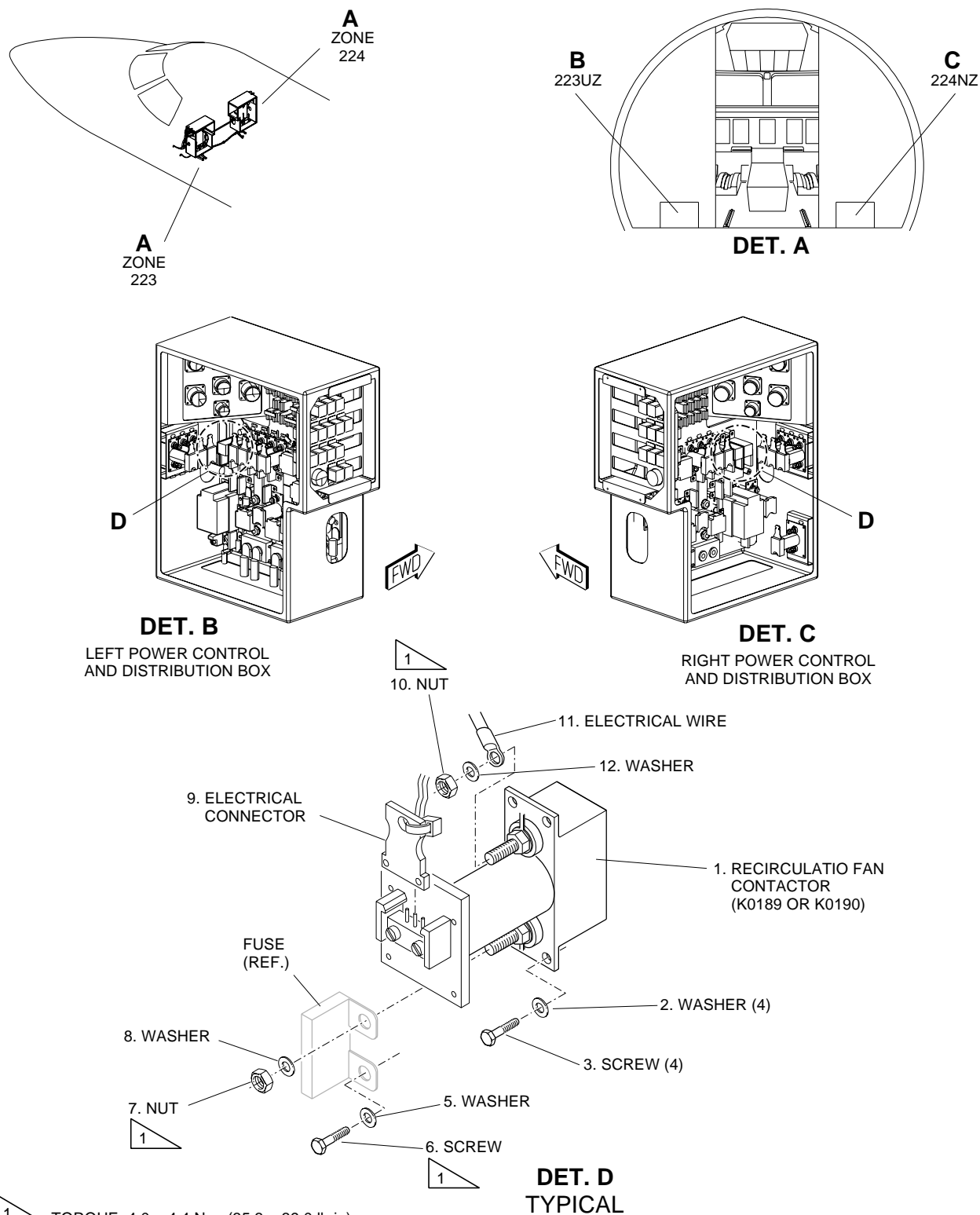
*SUBTASK 020-002-A*

- (1) Disconnect the electrical connector (9).
- (2) Remove the nut (10), washers (12) and electrical wire (11).
- (3) Remove the nut (7) and washer (8).
- (4) Remove the screw (6) and washer (5) that attach the fuse on the connection bar.
- (5) Remove the fuse.
- (6) Remove the four screws (3) and washers (2) that attach the contactor on the electrical-power control/distribution box..
- (7) Remove the recirculation fan contactor (1).

EFFECTIVITY: ALL

Recirculation Fan Contactor - Removal/Installation

Figure 401



EM145AMM211043A.DGN

TASK 21-24-03-400-801-A

EFFECTIVITY: ALL

### 3. RECIRCULATION FAN CONTACTOR - INSTALLATION

#### A. General

(1) This procedure gives the instructions to install the recirculation fan contactor.

#### B. References

REFERENCE	DESIGNATION
<a href="#">AMM MPP 06-41-03/100</a>	- COMPONENT LOCATION
<a href="#">AMM SDS 24-60-00/1</a>	
<a href="#">AMM TASK 21-20-00-700-801-A/500</a>	CONDITIONED AIR DISTRIBUTION SYSTEM - 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 recirculation fan contactor (1) in the electrical-power control/distribution box ([AMM SDS 24-60-00/1](#)).
- (2) Install the screws (3) and washers (2) that attach the recirculation fan contactor (1) in the electrical-power control/distribution box.

- (3) Connect the electrical wire (11) with the washer (12) and nut (10).
- (4) Use the torque wrench to torque nut (10) to 4.0 – 4.4 N.m (35.3 – 39 lb.in).
- (5) Apply a drop of torque seal F-925 to the nut (10) as a check mark.
- (6) Put the fuse on the recirculation fan contactor (1).
- (7) Install the washer (8) and the nut (7).
- (8) Use the torque wrench to torque nut (7) to 4.0 – 4.4 N.m (35.3 – 39 lb.in).
- (9) Apply a drop of torque seal F-925 to the nut (7) as a check mark.
- (10) Install the washer (5) and screw (6) that attach the fuse on the connection bar.
- (11) Use the torque wrench to torque screw (6) to 4.0 – 4.4 N.m (35.3 – 39 lb.in).
- (12) Apply a drop of torque seal F-925 to the screw (6) as a check mark.
- (13) 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 Air Conditioning Distribution System ( [AMM TASK 21-20-00-700-801-A/500](#)).