

PSU PRINTED CIRCUIT BOARD (PCB) - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove and install the PSU Printed Circuit Board (PCB).
- 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
33-25-04-000-801-A	PSU PRINTED CIRCUIT BOARD (PCB) - REMOVAL	ALL
33-25-04-400-801-A	PSU PRINTED CIRCUIT BOARD (PCB) - INSTALLATION	ALL

TASK 33-25-04-000-801-A

EFFECTIVITY: ALL

2. PSU PRINTED CIRCUIT BOARD (PCB) - REMOVAL

A. General

(1) This task gives the procedures to remove the PSU Printed Circuit Board (PCB).

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	Passenger cabin

H. Preparation

SUBTASK 841-002-A

(1) Open these circuit breakers and attach a DO-NOT-CLOSE tag to them:

(a) On the left power control and distribution box:

- RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).

(b) On the right power control and distribution box:

- RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).
- RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).

I. Removal [\(Figure 401\)](#)

SUBTASK 020-002-A

(1) Unlock the PSU latch (16) and carefully pull the PSU assembly (2) down.

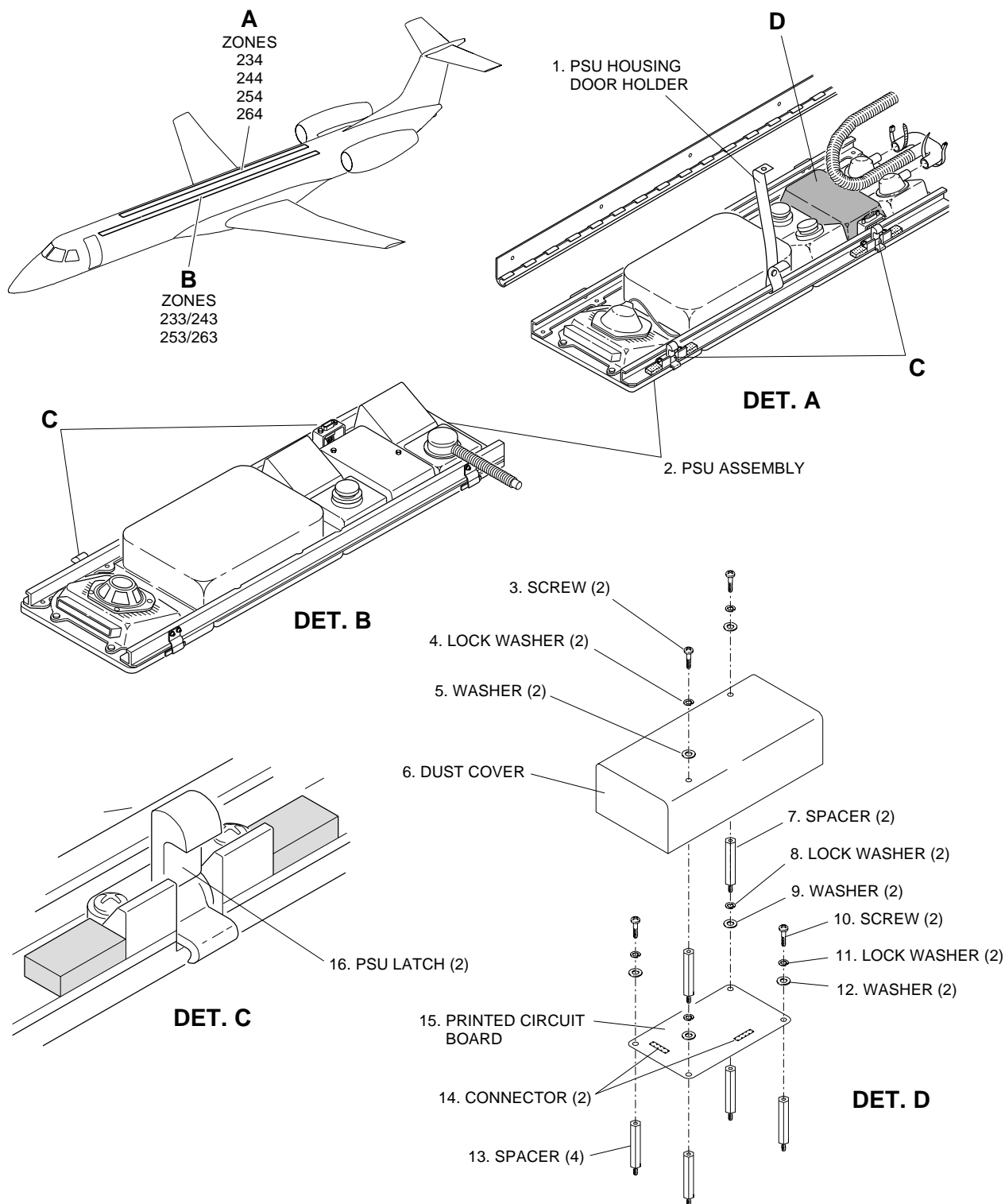
(2) Detach the PSU housing door holder (1).

- (3) Remove the screws (3), lock washers (4), and washers (5) that attach the dust cover (6) to the PSU assembly (2).
- (4) Remove the dust cover (6).
- (5) Disconnect the connectors (14).
- (6) Remove the spacers (7), lock washers (8), and washers (9) that attach the printed circuit board (PCB) (15) to the PSU assembly (2).
- (7) Remove the screws (10), lock washers (11), and washers (12) that attach the printed circuit board (PCB) (15) to the PSU assembly (2).
- (8) Remove the spacers (13).

EFFECTIVITY: ALL

PSU Printed Circuit Board (PCB) - Removal/Installation

Figure 401



EM145AMM330829A.DGN

TASK 33-25-04-400-801-A

EFFECTIVITY: ALL

3. PSU PRINTED CIRCUIT BOARD (PCB) - INSTALLATION

A. General

(1) This task gives the procedures to install the PSU Printed Circuit Board (PCB).

B. Zones and Accesses

Not Applicable

C. Tools and Equipment

Not Applicable

D. Auxiliary Items

Not Applicable

E. Consumable Materials

Not Applicable

F. Expandable Parts

Not Applicable

G. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	Passenger cabin

H. Installation (Figure 401)

SUBTASK 420-002-A

- (1) Install the spacers (13) in the correct position.
- (2) Put the PSU Printed Circuit Board (PCB) (15) in position.
- (3) Install the washers (12), lock washers (11), and screws (10) that attach the printed circuit board (PCB) (15) to the PSU assembly (2).
- (4) Install the washers (9), lock washers (8), and spacers (7) that attach the printed circuit board (PCB) (15) to the PSU assembly (2).
- (5) Connect the connectors (14).
- (6) Put the dust cover (6) in position.
- (7) Install the washers (5), lock washers (4), and screws (3) that attach the dust cover (6) to the PSU assembly (2).
- (8) Attach the PSU housing door holder (1).
- (9) Carefully push the PSU assembly (2) up, and lock the PSU latch (16).

I. Follow-on

SUBTASK 842-002-A

- (1) Remove the DO-NOT-CLOSE tag from these circuit breakers and close them:
 - (a) On the left power control and distribution box:
 - RDNG LT/ATTD CALL 1 (Location tip: RB SHED DC BUS 1/RDNG LT/ATTD CALL 1).
 - (b) On the right power control and distribution box:
 - RDNG LT/ATTD CALL 2 (Location tip: RB SHED DC BUS 2/RDNG LT/ATTD CALL 2).
 - RDNG LT/ATTD CALL 3 (Location tip: RB SHED DC BUS 3/RDNG LT/ATTD CALL 3).