

## FRONT RAMP JACK - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

1. General

- A. This section gives the procedures to remove and install the Front Ramp Jack.
- 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
23-51-10-000-801-A	FRONT RAMP JACK - REMOVAL	ALL
23-51-10-400-801-A	FRONT RAMP JACK - INSTALLATION	ALL

TASK 23-51-10-000-801-A

EFFECTIVITY: ALL

## 2. FRONT RAMP JACK - REMOVAL

### A. General

(1) This procedure gives the instructions to remove the Front Ramp Jack.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 24-36-01-000-801-A/400</a>	MAIN BATTERY - REMOVAL
<a href="#">SB145-23-0004</a>	-
WM 23-51-53	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113EL	Forward fuselage Section I - LH side
113	113DL	Forward fuselage Section I - LH side

### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering Iron	To remove the solder and release the wires	

### 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	At the main-battery-compartment door and external-power-receptacle door

### I. Preparation

#### **SUBTASK 841-002-A**

- (1) On the circuit breaker panel, open the PA circuit breaker and attach a DO-NOT-CLOSE tag to it (Location Tip: ESSENTIAL DC BUS 2/COMM/PA).
- (2) Open doors 113EL and 113DL (AMM MPP 06-41-01/100).

- (3) Remove the main batteries (AMM TASK 24-36-01-000-801-A/400).

J. Removal (Figure 401) (Figure 402)

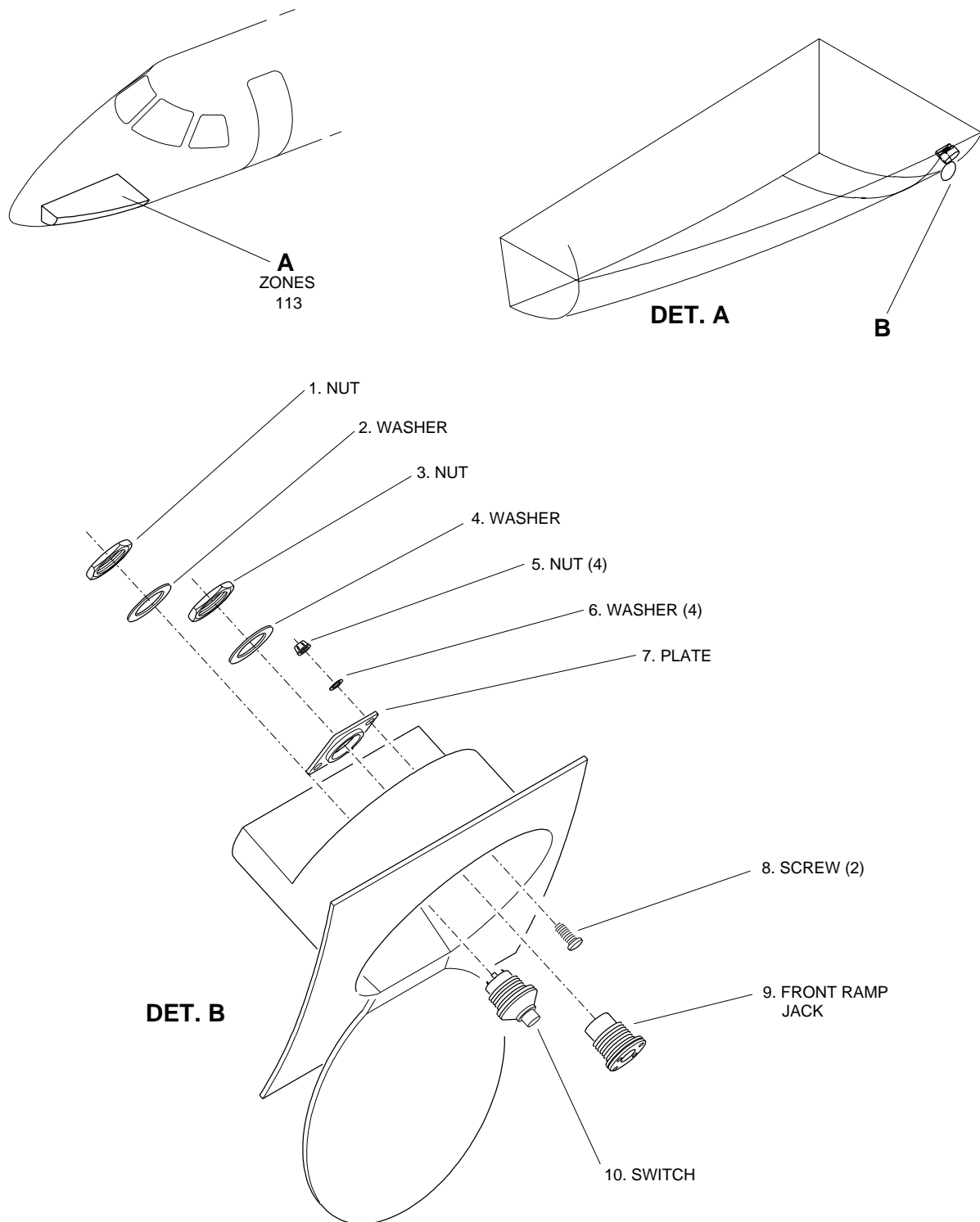
SUBTASK 020-002-A

- (1) (PRE-MOD SB145-23-0004) Do the Front Ramp Jack removal as follows:
- (a) Open the main-battery-compartment door to get access to the rear of the ramp jack panel.
  - (b) Remove the two screws (8), nuts (5), and washers (6).
  - (c) Remove the nut (3), washer (4), and plate (7).
  - (d) Pull the front ramp jack (9).
  - (e) Unsolder the electrical wires.
  - (f) Remove the front ramp jack (9).
  - (g) Remove the nut (1) and washer (2).
  - (h) Pull the switch (10) and remove the two wires.
  - (i) Remove the switch (10).
- (2) (POST-MOD SB145-23-0004) Do the Front Ramp Jack removal as follows:
- (a) Open the main-battery-compartment door to get access to the rear of the ramp jack panel.
  - (b) Remove the two screws (7), nuts (4), and washers (5).
  - (c) Remove the nut (9), washer (8), and plate (6).
  - (d) Cut the electric wires near the splices (WM 23-51-53).  
NOTE: Make match marks on all the electrical wires or cables before you disconnect them to make the installation easier.
  - (e) Remove the front ramp jack (3).
  - (f) Remove the nut (1) and washer (2).
  - (g) Pull the switch (10) and remove the two wires.
  - (h) Remove the switch (10).

EFFECTIVITY: PRE-MOD SB 145-23-0004

Front Ramp Jack - Removal/Installation

Figure 401

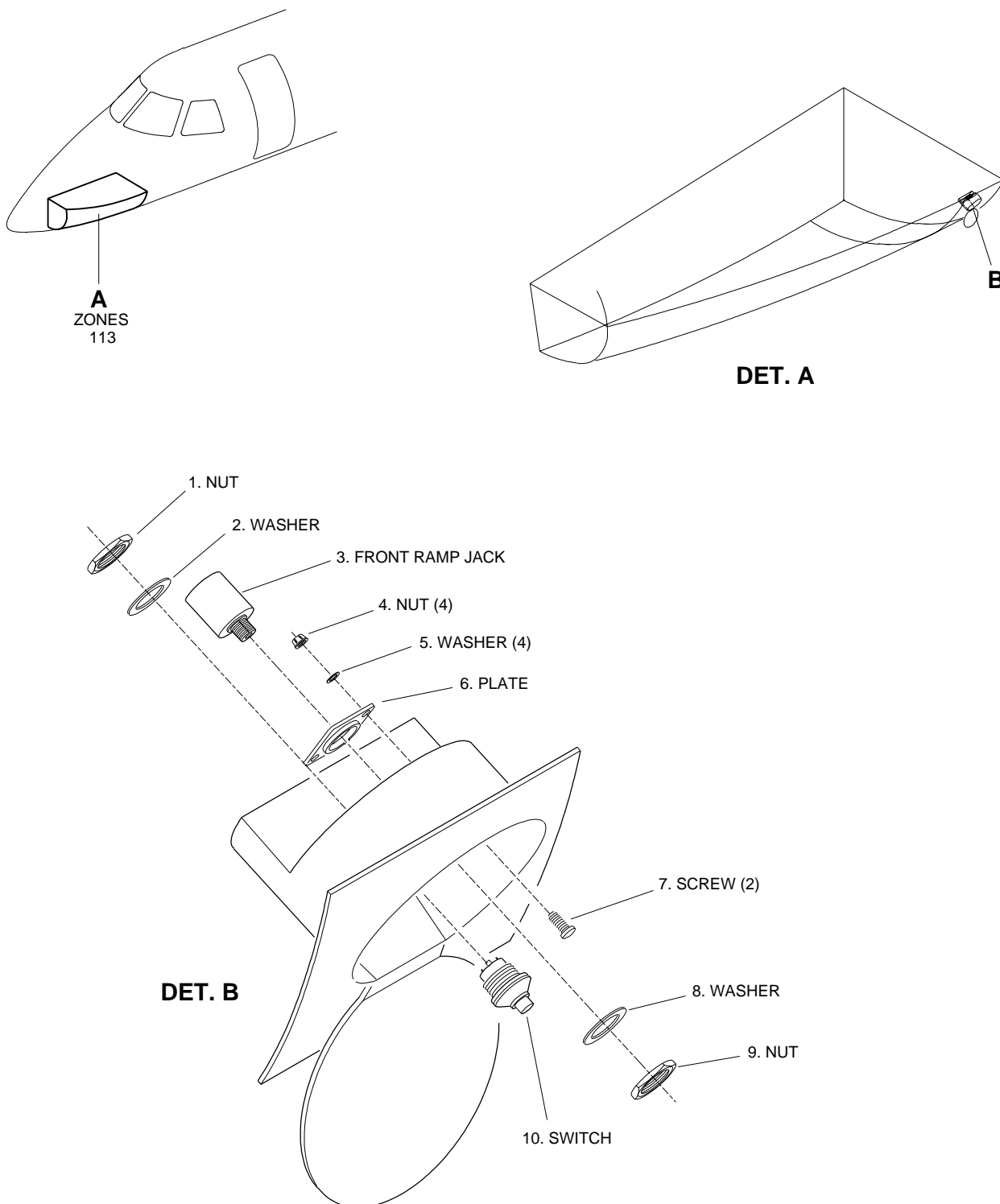


145AMM230141.MCE A

EFFECTIVITY: POST-MOD SB 145-23-0004

Front Ramp Jack - Removal/Installation

Figure 402



145AMM230190.MCE A

TASK 23-51-10-400-801-A

EFFECTIVITY: ALL

### 3. FRONT RAMP JACK - INSTALLATION

#### A. General

(1) This procedure gives the instructions to install the Front Ramp Jack.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 23-51-00-700-802-A/500</a>	AUDIO SYSTEM - OPERATIONAL TEST
<a href="#">AMM TASK 24-36-01-400-801-A/400</a>	MAIN BATTERY - INSTALLATION
<a href="#">SB145-23-0004</a>	-
WM 20-21-00/2	-
WM 23-51-53	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113EL	Forward fuselage Section I - LH side
113	113DL	Forward fuselage Section I - LH side

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Soldering Iron	To solder the wires	

#### 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	At the main-battery-compartment door and external-power-receptacle door

#### I. Installation (Figure 401) (Figure 402)

SUBTASK 420-002-A

(1) (PRE-MOD [SB145-23-0004](#)) Do the Front Ramp Jack installation as follows:

- (a) Open the main-battery-compartment door to get access to the rear of the ramp jack panel.
  - (b) Install the switch (10).
  - (c) Install the two wires and push the switch (10).
  - (d) Install the washer (2) and nut (1).
  - (e) Install the front ramp jack (9).
  - (f) Solder the four electrical wires.
  - (g) Push the front ramp jack (9).
  - (h) Install the plate (7), washer (4), and nut (3).
  - (i) Install the two screws (8), washers (6), and nuts (5).
- (2) (POST-MOD [SB145-23-0004](#)) Do the Front Ramp Jack installation as follows:
- (a) Open the main-battery-compartment door to get access to the rear of the ramp jack panel.
  - (b) Install the switch (10).
  - (c) Install the two wires and push the switch (10).
  - (d) Install the washer (2) and nut (1).
  - (e) Install the front ramp jack (9).

**CAUTION:** REFER TO THE MATCH MARKS MADE DURING THE REMOVAL WHEN YOU CONNECT THE ELECTRICAL WIRES OR CABLES. INCORRECT CONNECTION OF WIRES OR CABLES WILL CAUSE DAMAGE TO EQUIPMENT.

- (f) Connect the electric wires with splices (WM 20-21-00/2) (WM 23-51-53).
- (g) Push the front ramp jack (9).
- (h) Install the plate (7), washer (4), and nut (3).
- (i) Install the two screws (8), washers (6), and nuts (5).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Install the main batteries ([AMM TASK 24-36-01-400-801-A/400](#)).
- (2) Close doors 113DL and 113EL (AMM MPP 06-41-01/100).
- (3) On the circuit breaker panel, close the PA circuit breaker and remove the DO-NOT-CLOSE tag from it (Location Tip: ESSENTIAL DC BUS 2/COMM/PA).
- (4) Do the Audio-System Operational Test ( [AMM TASK 23-51-00-700-802-A/500](#) - Interphone tests only).

