



AIRCRAFT MAINTENANCE MANUAL

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



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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	-
AMM TASK 24-36-01-000-801-A/400	MAIN BATTERY - REMOVAL
SB145-23-0004	-
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).



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- (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).

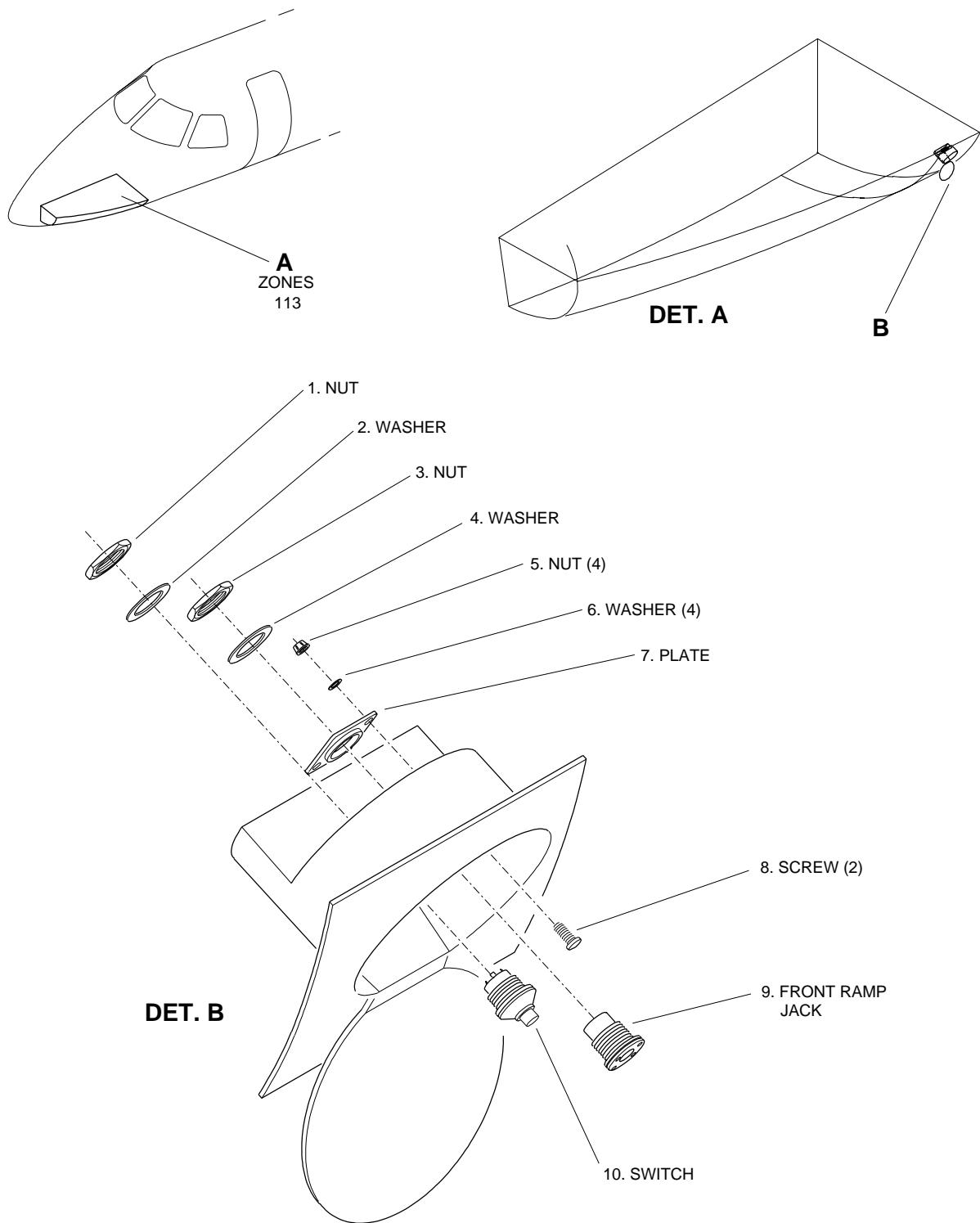
NOTE: Make match marks on all the electrical wires or cables before you disconnect them to make the installation easier.

- (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

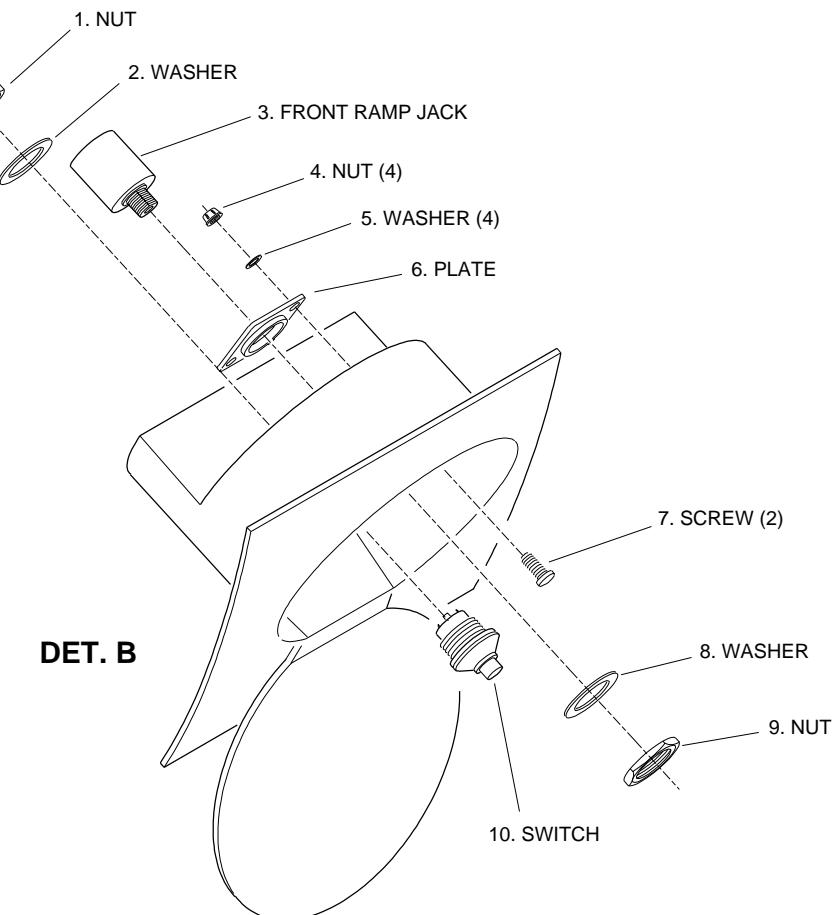
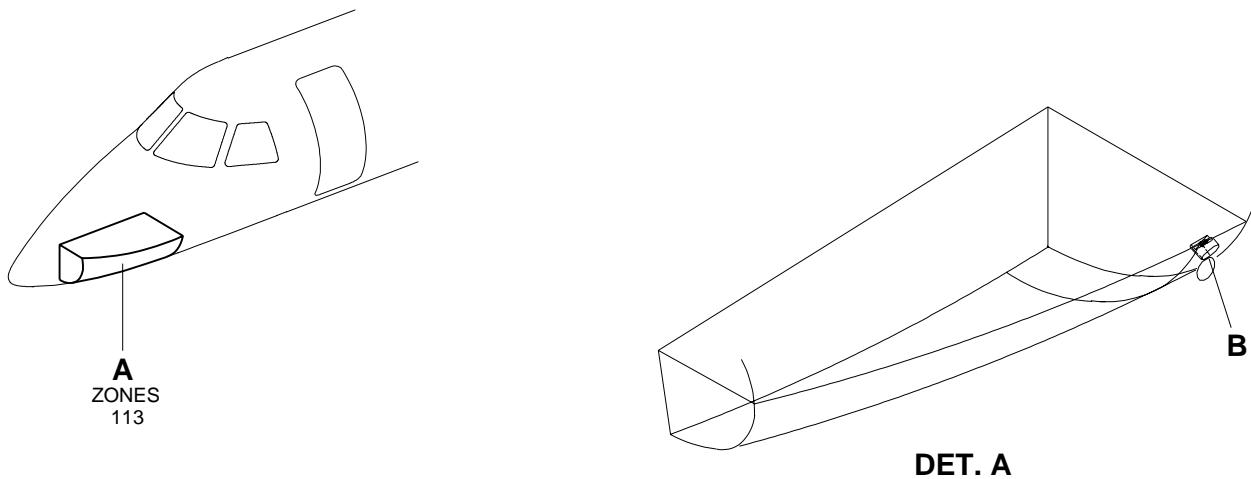


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EFFECTIVITY: POST-MOD SB 145-23-0004

Front Ramp Jack - Removal/Installation

Figure 402



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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	-
AMM TASK 23-51-00-700-802-A/500	AUDIO SYSTEM - OPERATIONAL TEST
AMM TASK 24-36-01-400-801-A/400	MAIN BATTERY - INSTALLATION
SB145-23-0004	-
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).
 - (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).

