

## EXTERNAL POWER RECEPTACLE - REMOVAL/INSTALLATION

*EFFECTIVITY: ALL*

### 1. General

- A. This section gives the procedures to remove/install the external power receptacle.
- B. The external power receptacle is located on the airplane nose left side.
- C. The access to the external power receptacle rear portion is through the main battery compartment door 113DL.
- D. You can get access to the external power receptacle forward portion through the external power receptacle door 113EL.
- E. 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
24-40-01-000-801-A	EXTERNAL POWER RECEPTACLE - REMOVAL	ALL
24-40-01-400-801-A	EXTERNAL POWER RECEPTACLE - INSTALLATION	ALL

TASK 24-40-01-000-801-A

EFFECTIVITY: ALL

## 2. EXTERNAL POWER RECEPTACLE - REMOVAL

### A. General

(1) This task gives the procedure to remove the external power receptacle.

### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113DL - Main Battery Compartment Door	Forward Fuselage Section I
113	113EL - External Power Receptacle Door	Forward Fuselage Section I

### 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	Forward Fuselage Section I

### I. Preparation

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

- (1) Make sure that the GPU pushbutton, on overhead panel, is set to OFF.
- (2) Attach a DO-NOT-SET-ON tag to the GPU pushbutton.
- (3) Make sure that the BATT 1 and BATT 2 switches, on the overhead panel, are set to OFF.
- (4) Attach a DO-NOT-SET-AUTO tag to the BATT 1 and BATT 2 switches.
- (5) Open the main battery compartment door 113DL (AMM MPP 06-41-01/100).
- (6) Open external power receptacle door 113EL (AMM MPP 06-41-01/100).

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

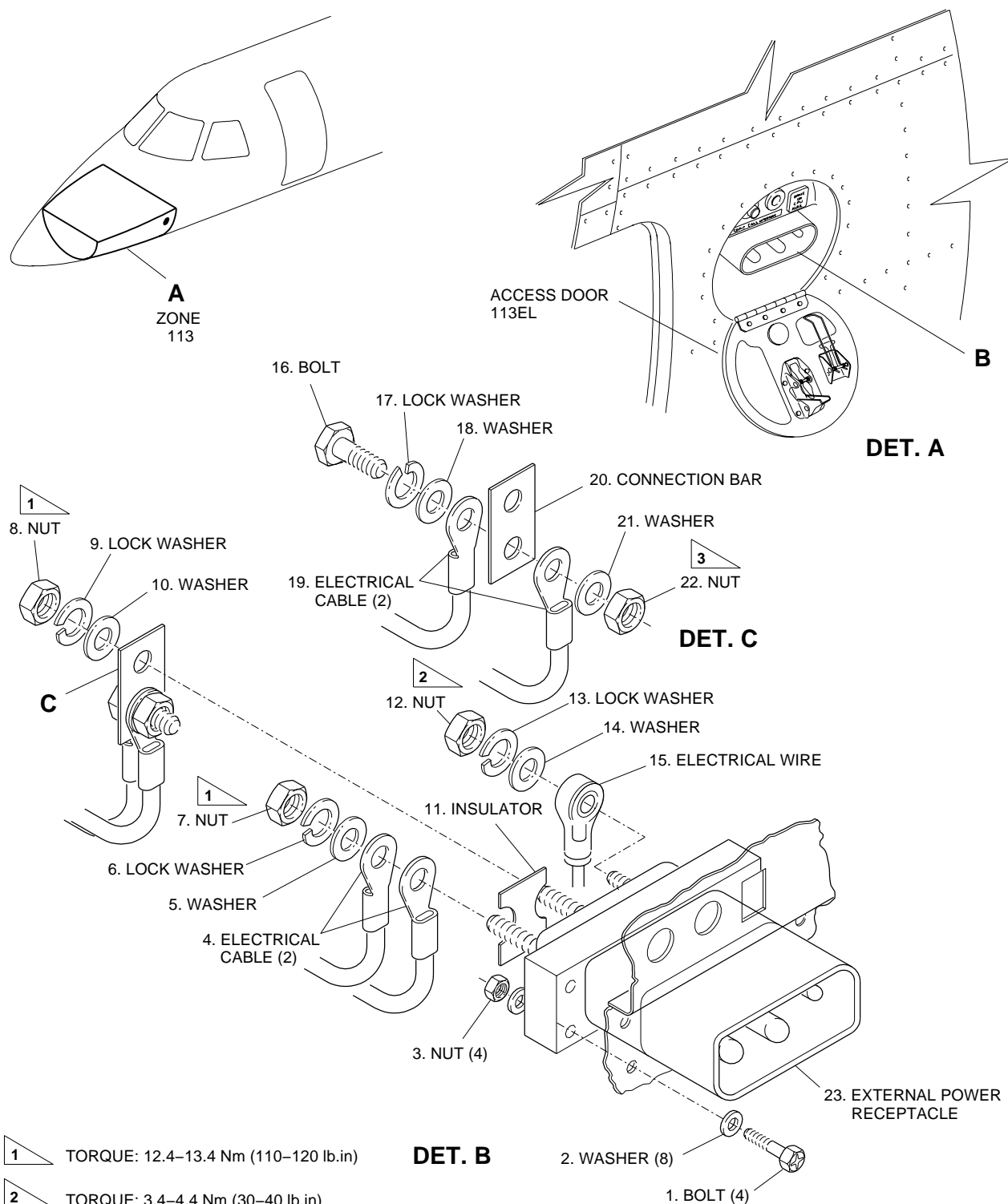
*SUBTASK 020-002-A*

- (1) Remove the nuts (7) and (12), the lock washers (6) and (13) and washers (5) and (14) which attach the electrical cables (4) and (15) to the external power receptacle (23).
- (2) Remove the nut (8), the lock washer (9) and the washer (10) that attach the connection bar (20) to the external power receptacle (23).
- (3) Remove the electrical cables (4) and (15), the connection bar (20), and the insulator (11) from the external power receptacle (23).
- (4) If you remove the electrical cable (19) from the connection bar (20), remove the bolt (16), the lock washer (17), the washers (18) and (21), and the nut (22).
- (5) Remove the nuts (3) bolts (1), and washers (2) which attach the external power receptacle (23) to the airplane.
- (6) Remove the external power receptacle (23) from the compartment.

EFFECTIVITY: ALL

External Power Receptacle - Removal/Installation

Figure 401



EM145AMM240115C.DGN

TASK 24-40-01-400-801-A  
EFFECTIVITY: ALL

### 3. EXTERNAL POWER RECEPTACLE - INSTALLATION

#### A. General

(1) This task gives the procedure to install the external power receptacle.

#### B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-

#### C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113DL - Main Battery Compartment	Forward Fuselage Section I
113	113EL - External Power Receptacle	Forward Fuselage Section I

#### D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Torque wrench (For the torque range, refer to Figure 401)	To 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	Forward Fuselage Section I

#### I. Installation (Figure 401)

##### SUBTASK 420-002-A

- (1) Install the external power receptacle (23) in place, through the main battery compartment.
- (2) Attach the external power receptacle (23) in place, with the bolts (1), washers (2), and nuts (3).
- (3) Connect the electrical cables (4) and (15), to the external power receptacle (23), and put the insulator (11) in the position.

- (4) Attach the electrical cables (4) and (15) to the external power receptacle (23) with the washers (5) and (14), the lock washers (6) and (13), and nuts (7) and (12).
- (5) If you removed the the electrical cable (19) from the connection bar (20), install the lock washer (17), the washers (18) and (21), the bolt (16) and the nut (22).
- (6) Install the washer (10), the lock washer (9), and the nut (8) that attach the connection bar (20) to the external power receptacle (23).
- (7) Tighten the nuts (7), (8), (12) and (22) to the torque specified (Figure 401).

J. Follow-on

*SUBTASK 842-002-A*

- (1) Close main battery compartment door 113DL (AMM MPP 06-41-01/100).
- (2) Close external power receptacle door 113EL (AMM MPP 06-41-01/100).
- (3) Remove the DO-NOT-SET-ON tag from the GPU pushbutton.
- (4) Remove the DO-NOT-SET-AUTO tag from the BATT 1 and BATT 2 switches.