



## AIRCRAFT MAINTENANCE MANUAL

### MAIN BATTERY - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

#### 1. General

- A. This section refers you to the publication necessary to put the main battery back to a serviceable condition.
- 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
24-36-01-900-801-A ♦	MAIN BATTERY - RESTORE	AIRCRAFT WITH SAFT MAIN BATTERY
24-36-01-900-802-A	MAIN BATTERY - RESTORE	AIRCRAFT WITH MARATHON MAIN BATTERY



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

TASK 24-36-01-900-801-A

EFFECTIVITY: AIRCRAFT WITH SAFT MAIN BATTERY

2. MAIN BATTERY - RESTORE

A. General

- (1) When you put the main battery back to a serviceable condition, you must also do a check of the temperature sensors.
- (2) The aircraft has two main batteries installed in the same compartment.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 24-36-00-700-801-A/500</a>	MAIN BATTERY SYSTEM - OPERATIONAL TEST
<a href="#">AMM TASK 24-36-01-000-801-A/400</a>	MAIN BATTERY - REMOVAL
<a href="#">AMM TASK 24-36-01-400-801-A/400</a>	MAIN BATTERY - INSTALLATION

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
113	113DL	LH forward fuselage

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 forward fuselage

I. Preparation

SUBTASK 841-002-A

- (1) Open access panel113DL (AMM MPP 06-41-01/100).

J. Restore Main Battery ([Figure 201](#))

SUBTASK 900-002-A

- (1) Remove the main battery ([AMM TASK 24-36-01-000-801-A/400](#)).



## AIRCRAFT MAINTENANCE MANUAL

- (2) Refer to the last revision of the Component Maintenance Manual with Illustrated Parts List for Nickel-Cadmium Battery, part number 442CH1 by SAFT, to put the main battery back to a serviceable condition, as given in the General Overhaul section of this manual.
- (3) Install the main battery ([AMM TASK 24-36-01-400-801-A/400](#)).

### K. Follow-on

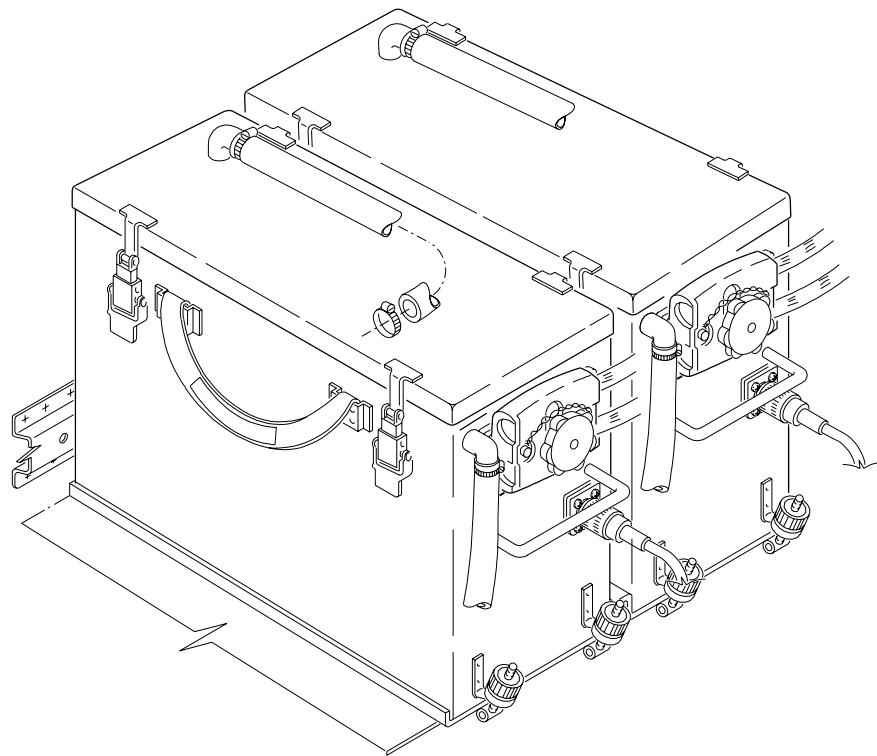
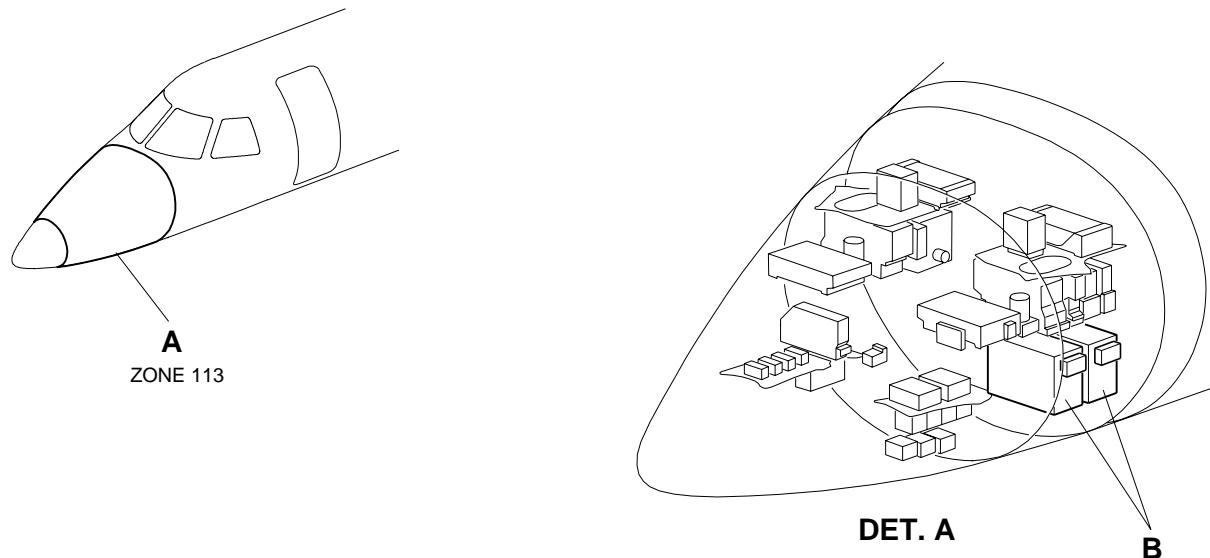
#### SUBTASK 842-002-A

- (1) Do the Operational Test of the Main Battery System ([AMM TASK 24-36-00-700-801-A/500](#)).
- (2) Close access panel 113DL (AMM MPP 06-41-01/100).

**EFFECTIVITY: AIRCRAFT WITH SAFT MAIN BATTERY**

Main Battery - Restoration

Figure 201



**DET. B**  
MAIN BATTERIES

145AMM240010.MCE A

**TASK 24-36-01-900-802-A**
**EFFECTIVITY: AIRCRAFT WITH MARATHON MAIN BATTERY**
**3. MAIN BATTERY - RESTORE**
**A. General**

- (1) When you put the main battery back to a serviceable condition, you must also do a check of the temperature sensors.
- (2) The aircraft has two main batteries installed in the same compartment.

**B. References**

<i>REFERENCE</i>	<i>DESIGNATION</i>
AMM MPP 06-41-01/100	-
<a href="#">AMM TASK 24-36-00-700-801-A/500</a>	MAIN BATTERY SYSTEM - OPERATIONAL TEST
<a href="#">AMM TASK 24-36-01-000-801-A/400</a>	MAIN BATTERY - REMOVAL
<a href="#">AMM TASK 24-36-01-400-801-A/400</a>	MAIN BATTERY - INSTALLATION

**C. Zones and Accesses**

<i>ZONE</i>	<i>PANEL/DOOR</i>	<i>LOCATION</i>
113	113DL	LH forward fuselage

**D. Tools and Equipment**

Not Applicable

**E. Auxiliary Items**

Not Applicable

**F. Consumable Materials**

Not Applicable

**G. Expandable Parts**

Not Applicable

**H. Persons Recommended**

<i>QTY</i>	<i>FUNCTION</i>	<i>PLACE</i>
1	Does the task	LH forward fuselage

**I. Preparation**
**SUBTASK 841-004-A**

- (1) Open access panel113DL (AMM MPP 06-41-01/100).

**J. Restore Main Battery (Figure 201)**
**SUBTASK 900-004-A**
**EFFECTIVITY: AIRCRAFT WITH MARATHON MAIN BATTERY, PART NUMBER 32248-001**

- (1) Remove the main battery ([AMM TASK 24-36-01-000-801-A/400](#)).



EMB145 – EMB135

AIRCRAFT  
MAINTENANCE MANUAL

- (2) Refer to the last revision of the Component Maintenance Manual with Illustrated Parts List for Nickel-Cadmium Battery, type BTSP-4445L, part number 32248-001 by Marathon Power Technologies Company, to put the main battery back to a serviceable condition, as given in the Battery Maintenance Flow Chart and in the Battery Reconditioning Flow Chart of this manual.
- (3) Install the main battery ([AMM TASK 24-36-01-400-801-A/400](#)).

K. Restore Main Battery (Figure 201)

*SUBTASK 900-004-B*

*EFFECTIVITY: AIRCRAFT WITH MARATHON MAIN BATTERY, PART NUMBER 32845-001*

- (1) Remove the main battery ([AMM TASK 24-36-01-000-801-A/400](#)).
- (2) Refer to the last revision of the Instruction Manual for Micro Maintenance, Nickel-Cadmium Aircraft Batteries, BA-24-34-08, by Marathon Power Technologies Company, to put the main battery back to a serviceable condition, as given in the Battery Maintenance Flow Chart and in the Battery Reconditioning Flow Chart of this manual.
- (3) Install the main battery ([AMM TASK 24-36-01-400-801-A/400](#)).

L. Follow-on

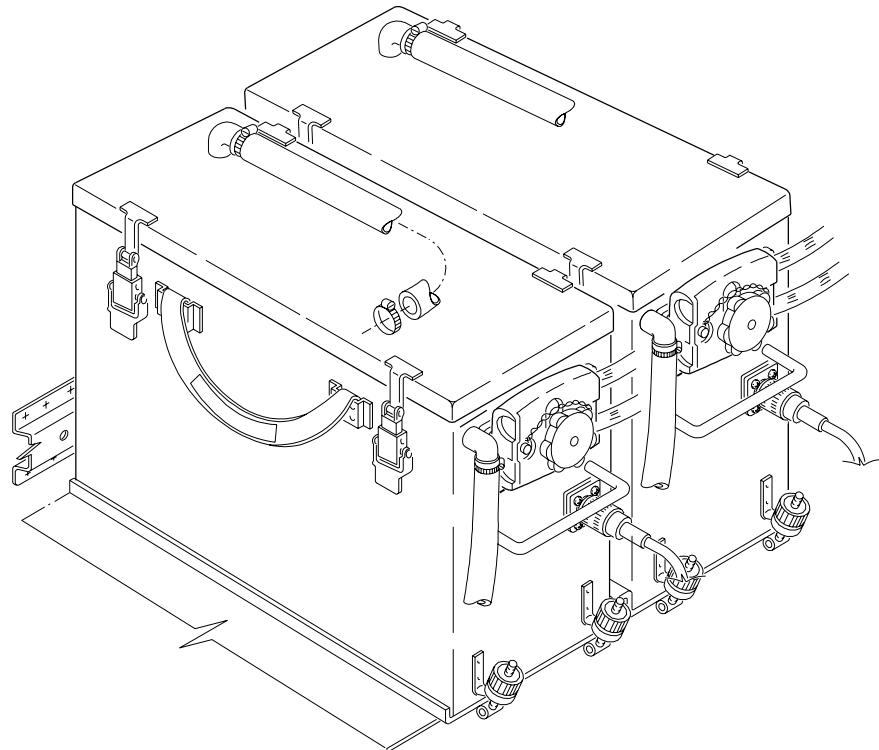
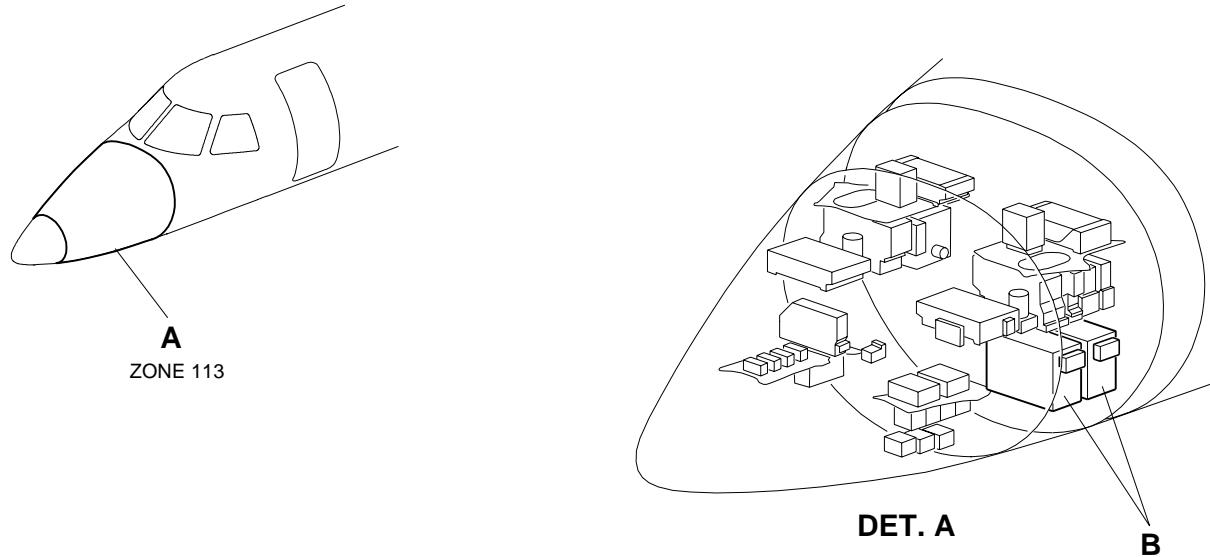
*SUBTASK 842-004-A*

- (1) Do the Operational Test of the Main Battery System ([AMM TASK 24-36-00-700-801-A/500](#)).
- (2) Close access panel 113DL (AMM MPP 06-41-01/100).

**EFFECTIVITY: AIRCRAFT WITH MARATHON MAIN BATTERY**

Main Battery - Restoration

Figure 202



**DET. B**  
MAIN BATTERIES

EM145AMM240605A.DGN

