



EMB145 – EMB135

AIRCRAFT
MAINTENANCE MANUAL

BACKUP BATTERY - REMOVAL/INSTALLATION

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to remove/install the backup battery.
- B. The backup battery is installed on the right side of fuselage forward section I.
- C. You can get access to the backup battery through access panel 114BZ in the nose-landing-gear compartment.
- D. 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
24-35-01-000-801-A	BACKUP BATTERY - REMOVAL	ALL
24-35-01-400-801-A	BACKUP BATTERY - INSTALLATION	ALL



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TASK 24-35-01-000-801-A

EFFECTIVITY: ALL

2. BACKUP BATTERY - REMOVAL

A. General

- (1) This task gives the procedure to remove the backup battery.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 24-35-00/1	
AMM TASK 29-10-00-860-802-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH EMDP
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
S.B.145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114BZ	RH 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	RH Forward fuselage section I

I. Preparation

SUBTASK 841-002-A

- (1) Make sure that the nose landing-gear-safety pin ([AMM TASK 32-00-01-910-801-A/200](#)) is installed.
- (2) On aircraft PRE-MOD [S.B.145-32-0036](#), make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).



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- (3) On aircraft POST-MOD [S.B.145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Make sure that the GPU pushbutton, on the electrical panel, on the overhead panel, is set at OFF (The striped bar is off).
- (5) Attach a DO-NOT-SET-ON tag to the GPU pushbutton.
- (6) Make sure that the BATT 1 and BATT 2 switches, on the electrical panel, on the overhead panel, are set at OFF.
- (7) Attach a DO-NOT-SET-AUTO tag to the BATT 1 and BATT 2 switches.
- (8) Set the backup pushbutton, on the electrical panel, on the overhead panel, to OFF ([AMM SDS 24-35-00/1](#)).
- (9) Attach a DO-NOT-SET-AUTO tag to the backup pushbutton.
- (10) Open access panel 114BZ ([AMM MPP 06-41-01/100](#)).

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

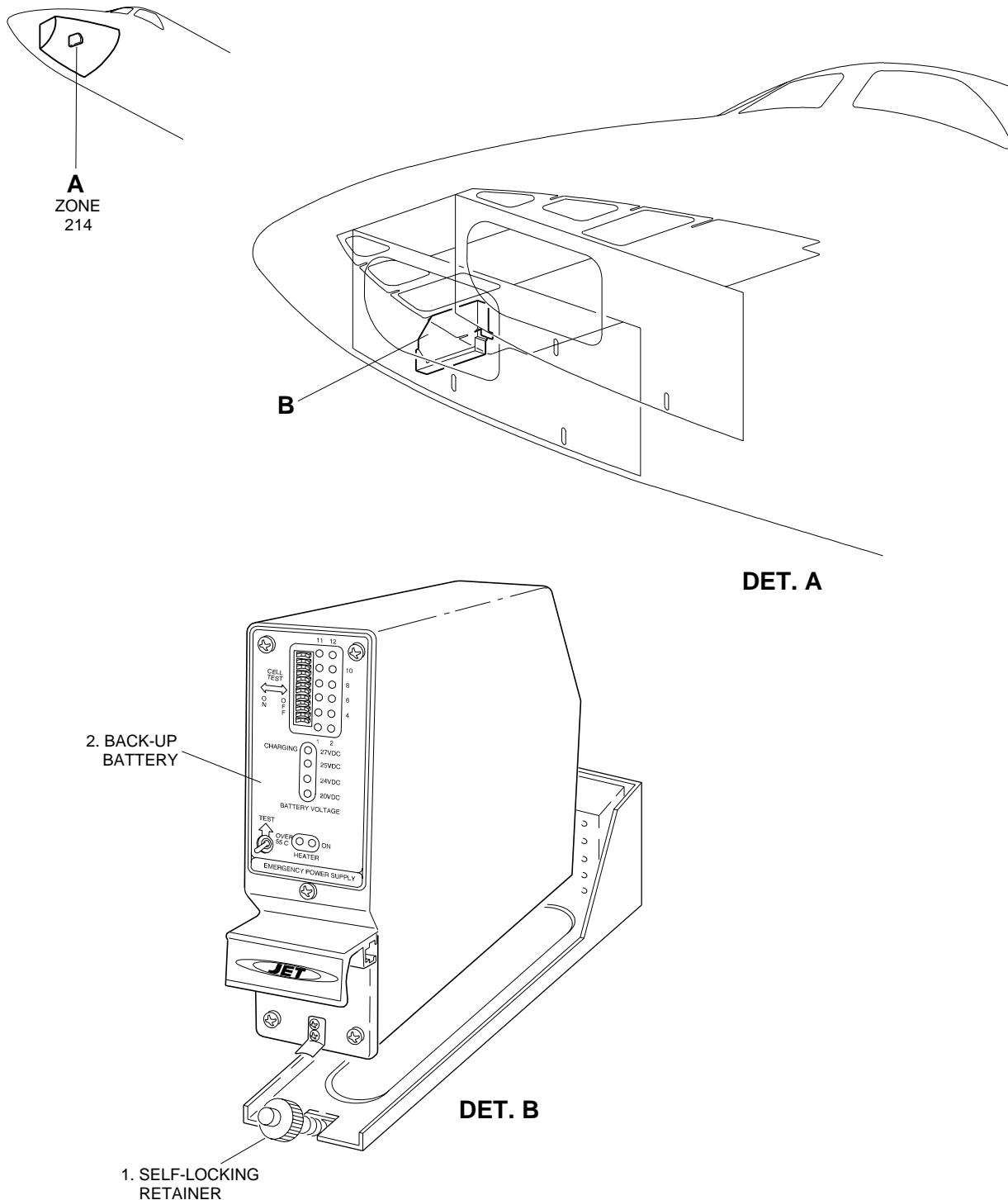
SUBTASK 020-002-A

- (1) Loosen the self-locking retainer (1) from the backup battery (2).
- (2) Remove the backup battery (2).

EFFECTIVITY: ALL

Backup Battery - Removal/Installation

Figure 401



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TASK 24-35-01-400-801-A

EFFECTIVITY: ALL

3. BACKUP BATTERY - INSTALLATION

A. General

- (1) This task gives the procedure to install the backup battery.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM SDS 24-35-00/1	
AMM TASK 24-35-00-700-801-A/500	BACK-UP BATTERY SYSTEM - OPERATIONAL TEST
AMM TASK 32-00-02-910-801-A/200	SAFETY PIN OF THE NLG DOORS SOLENOID VALVE - INSTALLATION AND REMOVAL
S.B.145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114BZ	RH 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	RH Forward fuselage section I

I. Installation (Figure 401)

SUBTASK 420-002-A

NOTE: Before installation of the backup battery, be sure to remove the protective ESD connector cover in the back face of the battery, if applicable.

- (1) Put the backup battery (2) in the aircraft.

- (2) Tighten the self-locking retainer (1).



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J. Follow-on

SUBTASK 410-002-A

- (1) Install the 114BZ access panel (AMM MPP 06-41-01/100).
- (2) Remove the DO-NOT-SET-ON tag from the GPU pushbutton.
- (3) Remove the DO-NOT-SET-AUTO tag from the BATT 1 and BATT 2 switches.
- (4) Remove the DO-NOT-SET-AUTO tag from the backup pushbutton.
- (5) Set the backup pushbutton to AUTO ([AMM SDS 24-35-00/1](#)).
- (6) Do the operational test of the backup battery system ([AMM TASK 24-35-00-700-801-A/500](#)).
- (7) On aircraft POST-MOD [S.B.145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).