



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

BACKUP BATTERY - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to do the functional check of the back-up battery.
- 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).

<i>TASK NUMBER</i>	<i>DESCRIPTION</i>	<i>EFFECTIVITY</i>
24-35-01-700-801-A ♦	BACK-UP BATTERY - FUNCTIONAL CHECK	ALL



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TASK 24-35-01-700-801-A

EFFECTIVITY: ALL

2. BACK-UP BATTERY - FUNCTIONAL CHECK

A. General

- (1) The function of this check is to make sure that the back-up battery is in good functional condition.

B. References

REFERENCE	DESIGNATION
AMM MPP 06-41-01/100	-
AMM TASK 24-35-01-900-801-A/200	BACK-UP BATTERY - RESTORE
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
SB145-32-0036	-

C. Zones and Accesses

ZONE	PANEL/DOOR	LOCATION
114	114BZ	Nose-Landing-Gear Compartment

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

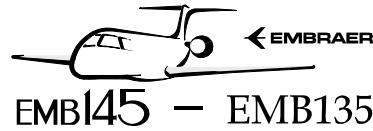
QTY	FUNCTION	PLACE
1	Does the task	Nose-Landing-Gear Compartment

I. Preparation

SUBTASK 841-002-A

NOTE: Do not energize the aircraft.

- (1) Make sure that the nose landing-gear-safety pin ([AMM TASK 32-00-01-910-801-A/200](#)) is installed.



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- (2) On aircraft PRE-MOD [SB145-32-0036](#), make sure that the pressure in hydraulic system 1 is fully released ([AMM TASK 29-10-00-860-802-A/200](#)).
- (3) On aircraft POST-MOD [SB145-32-0036](#), install the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).
- (4) Open maintenance panel door 114BZ (AMM MPP 06-41-01/100) to get access to the backup battery box.

J. Functionally Check Back-up Battery ([Figure 501](#))

SUBTASK 720-002-A

- (1) Do the check, on the back-up battery, as follows:
 - (a) Set the TEST switch, located on the back-up, to TEST and hold it for five seconds maximum.
Result:
 - 1 The HEATER ON indicator LED, located on the back-up, comes on.
NOTE: If the HEATER ON indicator LED does not come on, restore the back-up battery ([AMM TASK 24-35-01-900-801-A/200](#)).
 - 2 The voltage level indicator LEDs, located on the back-up, come on.
NOTE: The back-up battery is operational if the related indicator LED comes on at 24 V DC minimum. If not, restore the back-up battery ([AMM TASK 24-35-01-900-801-A/200](#)).
 - (b) Release the TEST switch.

K. Follow-on

SUBTASK 842-002-A

- (1) Close maintenance panel door 114BZ (AMM MPP 06-41-01/100).
- (2) On aircraft POST-MOD [SB145-32-0036](#), remove the safety pin of the NLG door solenoid valve ([AMM TASK 32-00-02-910-801-A/200](#)).

EFFECTIVITY: ALL

Back-up Battery Functional Check

Figure 501

