



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

EMERGENCY/PARKING BRAKE - ADJUSTMENT/TEST

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures to adjust the Emergency/Parking Brake.
- 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>
32-44-11-700-801-A	EMERGENCY/PARKING BRAKE - ADJUSTMENT	ALL



EMB145 - EMB135

AIRCRAFT
MAINTENANCE MANUAL

TASK 32-44-11-700-801-A

EFFECTIVITY: ALL

2. EMERGENCY/PARKING BRAKE - ADJUSTMENT

A. General

- (1) This task gives the procedures to adjust the Emergency/Parking Brake.

B. References

REFERENCE	DESIGNATION
AMM TASK 20-40-01-860-801-A/200	ENERGIZATION OF THE AIRCRAFT WITH AN EXTERNAL POWER SOURCE
AMM TASK 29-10-00-860-801-A/200	HYDRAULIC SYSTEM - PRESSURIZATION WITH HTS
AMM TASK 32-00-01-910-801-A/200	LG SAFETY PIN - INSTALLATION AND REMOVAL
AMM TASK 32-44-00-700-801-A/500	EMERGENCY/PARKING BRAKE SYSTEM - FUNCTIONAL CHECK
AMM TASK 32-44-10-600-801-A/300	LUBRICATE EMERGENCY/PARKING BRAKE CONTROL

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

Not Applicable

E. Auxiliary Items

ITEM	DESCRIPTION	PURPOSE	QTY
Commercially available	Rubber Gloves, Phosphate Ester-Base, Fluid Resistant	Protection for the hands	1
Commercially available	Rubber Goggles, Phosphate Ester-Base, Fluid Resistant	Protection for the eyes	1

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
1	Does the task	NLG bay

I. Preparation

SUBTASK 841-002-A

- (1) Get access to the nose landing gear (NLG) bay.



AIRCRAFT MAINTENANCE MANUAL

- (2) Make sure that the safety pins are installed on the landing gears ([AMM TASK 32-00-01-910-801-A/200](#)).

J. Adjustment of the Emergency/Parking Brake ([Figure 501](#))

SUBTASK 720-002-A

WARNING: OBEY ALL SAFETY INSTRUCTIONS RELATED TO THE SKYDROL FLUID.

CAUTION: OBEY THE SAFETY LIMIT FOR THE LENGTH OF THE TURNBUCKLE, LEAVE A MAXIMUM OF THREE THREADS SHOWN. REFER TO FIGURE 501.

- (1) Operate the emergency/Parking Brake handle and adjust the "gap" between the stop pin (see [Figure 501](#)) and related stop. To do this, use the turnbuckle.

NOTE: • The emergency/parking brake control cable does not have tension, then it can be a little free (not stretched).
• To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.

- (2) Energize the aircraft with the External DC Power Supply ([AMM TASK 20-40-01-860-801-A/200](#)).

- (3) Pressurize the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).

- (4) Operate the Emergency/Parking Brake handle to make sure it operates, locks, and unlocks smoothly.

NOTE: To prevent hydraulic fluid transference from system 1 to system 2 or vice versa, first apply brakes with the pedals and then pull or release the emergency/parking brake handle.

- (5) Turn off hydraulic system 2 only ([AMM TASK 29-10-00-860-801-A/200](#)).

- (6) Do the functional check of the Emergency/Parking Brake ([AMM TASK 32-44-00-700-801-A/500](#)).

- (7) Make sure that the emergency/parking brake handle is free movement and properly lubricated. Refer to [AMM TASK 32-44-10-600-801-A/300](#).

- (8) If necessary, use the turnbuckle to adjust the control cable of the Emergency/Parking Brake until you do step 7.

K. Follow-on

SUBTASK 842-002-A

- (1) Release the pressure from the hydraulic system ([AMM TASK 29-10-00-860-801-A/200](#)).

- (2) Deenergize the aircraft ([AMM TASK 20-40-01-860-801-A/200](#)).

EFFECTIVITY: ALL

Emergency/Parking Brake - Adjustment

Figure 501

