

SHORING - MAINTENANCE PRACTICES

EFFECTIVITY: ALL

1. General

- A. This section gives the procedures for the aircraft shoring.
- B. This procedure is recommended to increase the aircraft stability when it is jacked for long periods, as for example: during "C" checks or major structural repairs.
- C. There are four shoring points on the aircraft. Two points are in the forward and rear fuselage, while the others are below the wings.
- 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
07-20-00-500-801-A	AIRCRAFT SHORING	ALL

TASK 07-20-00-500-801-A

EFFECTIVITY: ALL

2. AIRCRAFT SHORING

A. General

- (1) This task gives the procedures to do the aircraft shoring.

NOTE: The supports to do the aircraft shoring are to be installed after the aircraft is jacked and locked, and removed before the jacks are lowered.

B. References

REFERENCE	DESIGNATION
AMM TASK 07-10-00-500-801-A/200	-
AMM TASK 07-10-00-500-802-A/200	-

C. Zones and Accesses

Not Applicable

D. Tools and Equipment

ITEM	DESCRIPTION	PURPOSE	QTY
GSE 277	Support	Forward Fuselage Shoring	
GSE 276	Support	Rear Fuselage Shoring	
GSE 278	Support	LH/RH Wing Shoring	

E. Auxiliary Items

Not Applicable

F. Consumable Materials

Not Applicable

G. Expandable Parts

Not Applicable

H. Persons Recommended

QTY	FUNCTION	PLACE
2	Do the task	Aircraft fuselage/wings

I. Preparation

SUBTASK 841-002-A

CAUTION: REMOVE ALL EQUIPMENT THAT IS NOT NECESSARY FROM THE AREA BELOW AND AROUND THE AIRCRAFT.

- (1) Lift the aircraft on jacks. Refer to AMM TASK 07-10-00-500-801-A/200.

J. Aircraft Shoring (Figure 201) (Figure 202)

SUBTASK 580-002-A

WARNING: • TO PREVENT DAMAGE TO THE AIRCRAFT STRUCTURE , PUT THE SHORING SUPPORTS AS SHOWN IN FIGURE 201.

- PUT THE SUPPORTS UNDER THE WINGS WHERE THEY WILL NOT INTERFERE WITH THE MOVEMENT OF AILERONS AND FLAPS DURING POSSIBLE TESTS.
- MAKE SURE THAT THE JACKS ARE CORRECTLY INSTALLED AND LOCKED.

(1) Install the supports under the fuselage and wings as follows:

- NOTE:** • The supports must be put as shown in figure 201, and their height must be adjusted to touch the aircraft structure.
- If the aircraft is powered, open the DFDR CB before complete aircraft jacking, shoring and lowering procedures. After these procedures, close the CB back.

- (a) Install and adjust support GSE 277 under the forward section of the fuselage.
- (b) Install and adjust support GSE 276 under the rear section of the fuselage.
- (c) Install and adjust support GSE 278 under the LH and RH wings.

K. Follow-on

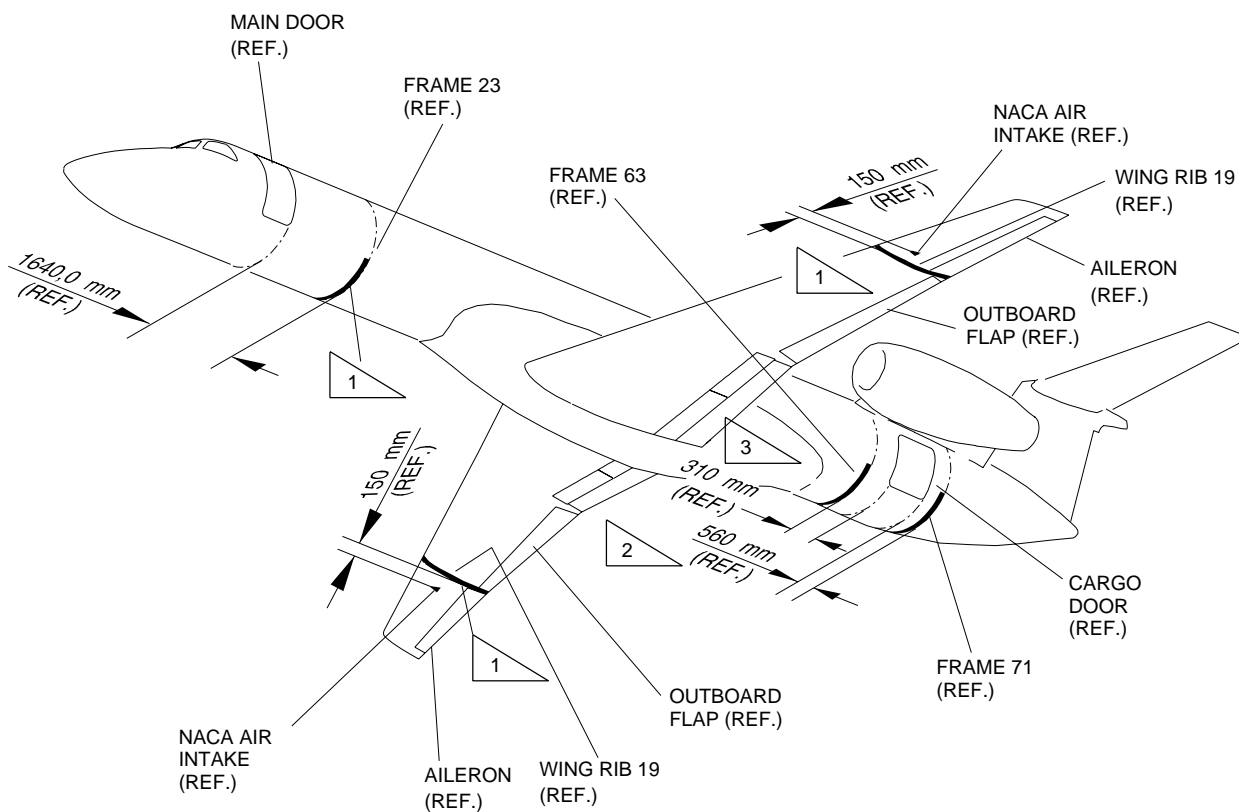
SUBTASK 842-002-A

- (1) Release the adjust control wheel and remove the supports from the aircraft.
- (2) Lower the aircraft as necessary (AMM TASK 07-10-00-500-802-A/200).

EFFECTIVITY: ALL

Aircraft Shoring - Points of Installation of Supports

Figure 201



APPLICABLE TO EMB-135 () AND EMB-145 () MODELS



APPLICABLE TO EMB-135 () MODELS ONLY



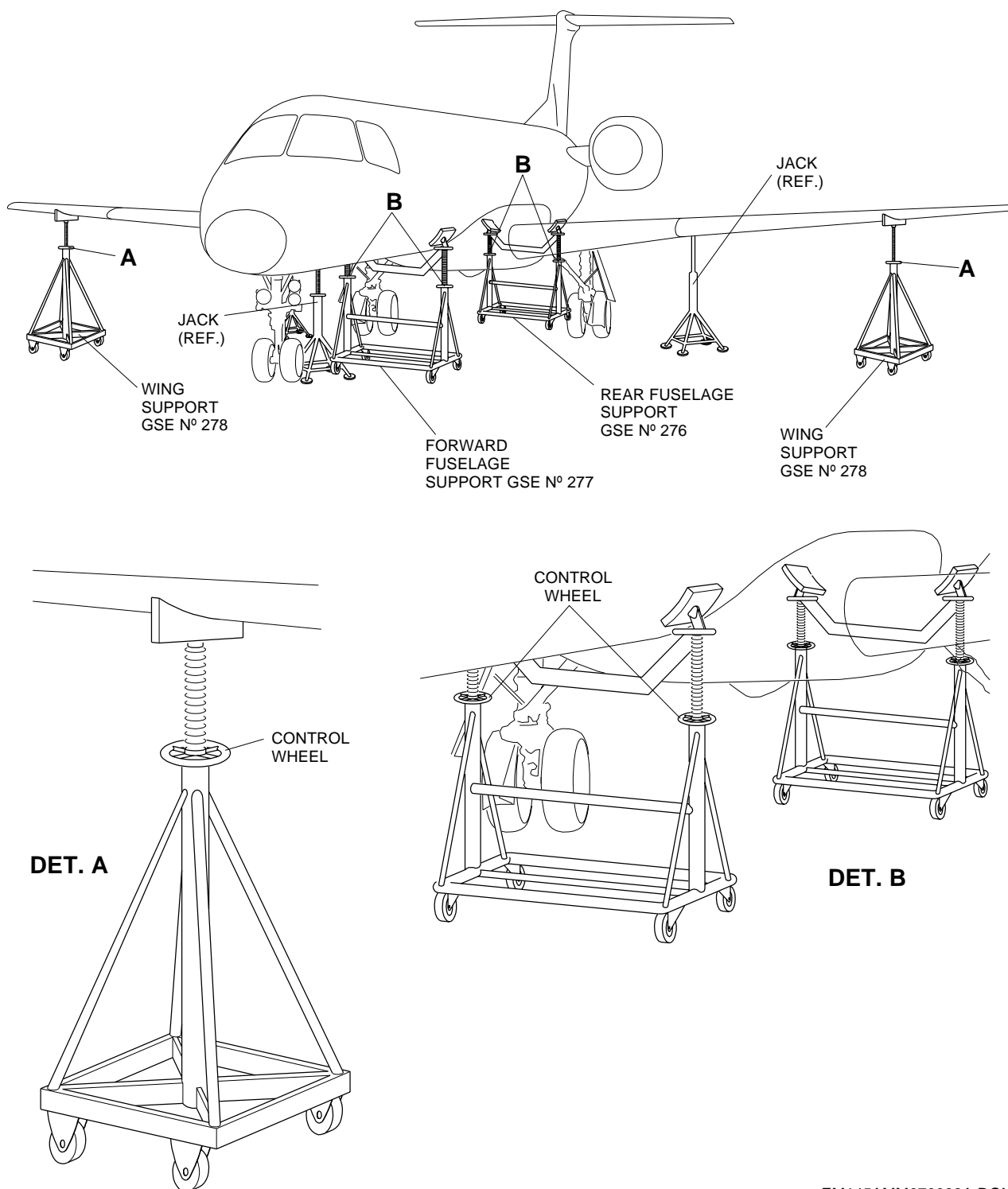
APPLICABLE TO EMB-145 () MODELS ONLY

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EFFECTIVITY: ALL

Aircraft Shoring

Figure 202



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