



AIRCRAFT MAINTENANCE MANUAL

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 |



AIRCRAFT MAINTENANCE MANUAL

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.



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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:

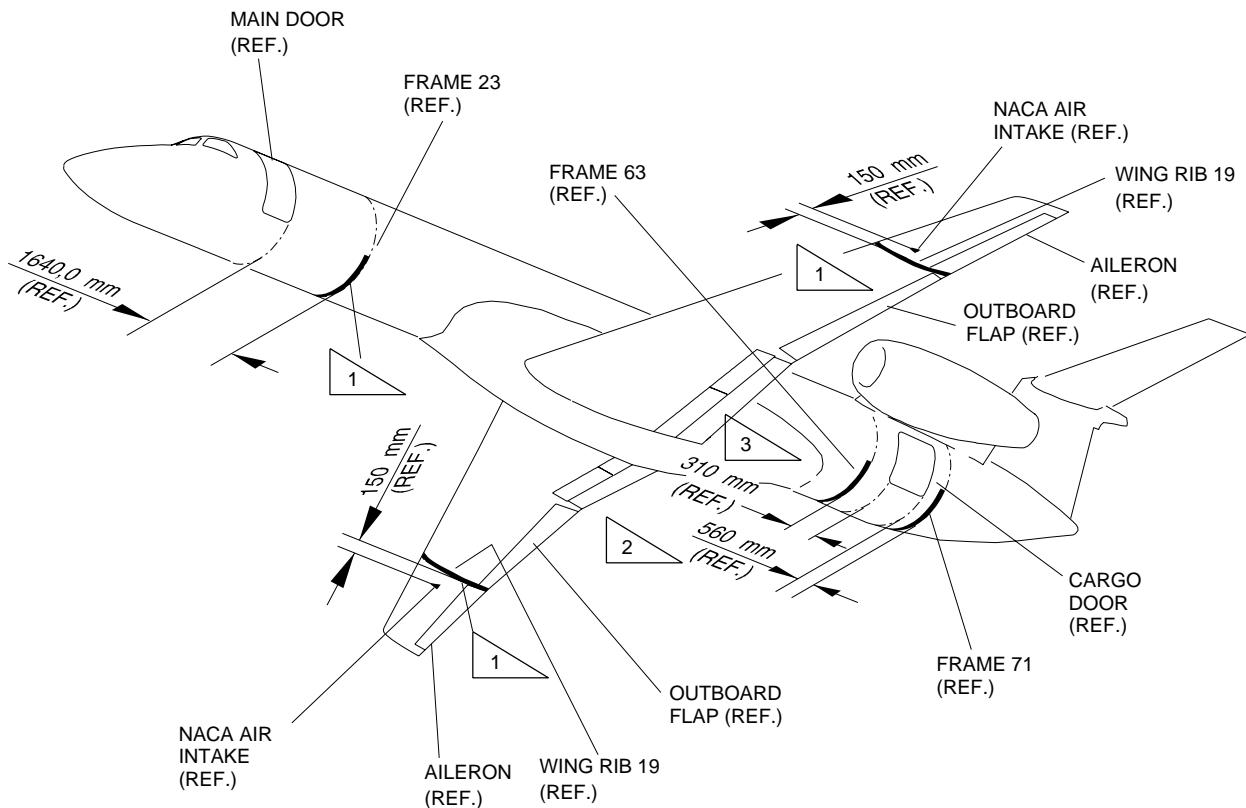
- NOTE:** • The supports must be put as shown in figure 201, and their height must be adjusted to touch the aircraft structure.
- If the aircraft is powered, open the DFDR CB before complete aircraft jacking, shoring and lowering procedures. After these procedures, close the CB back.
- (a) Install and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


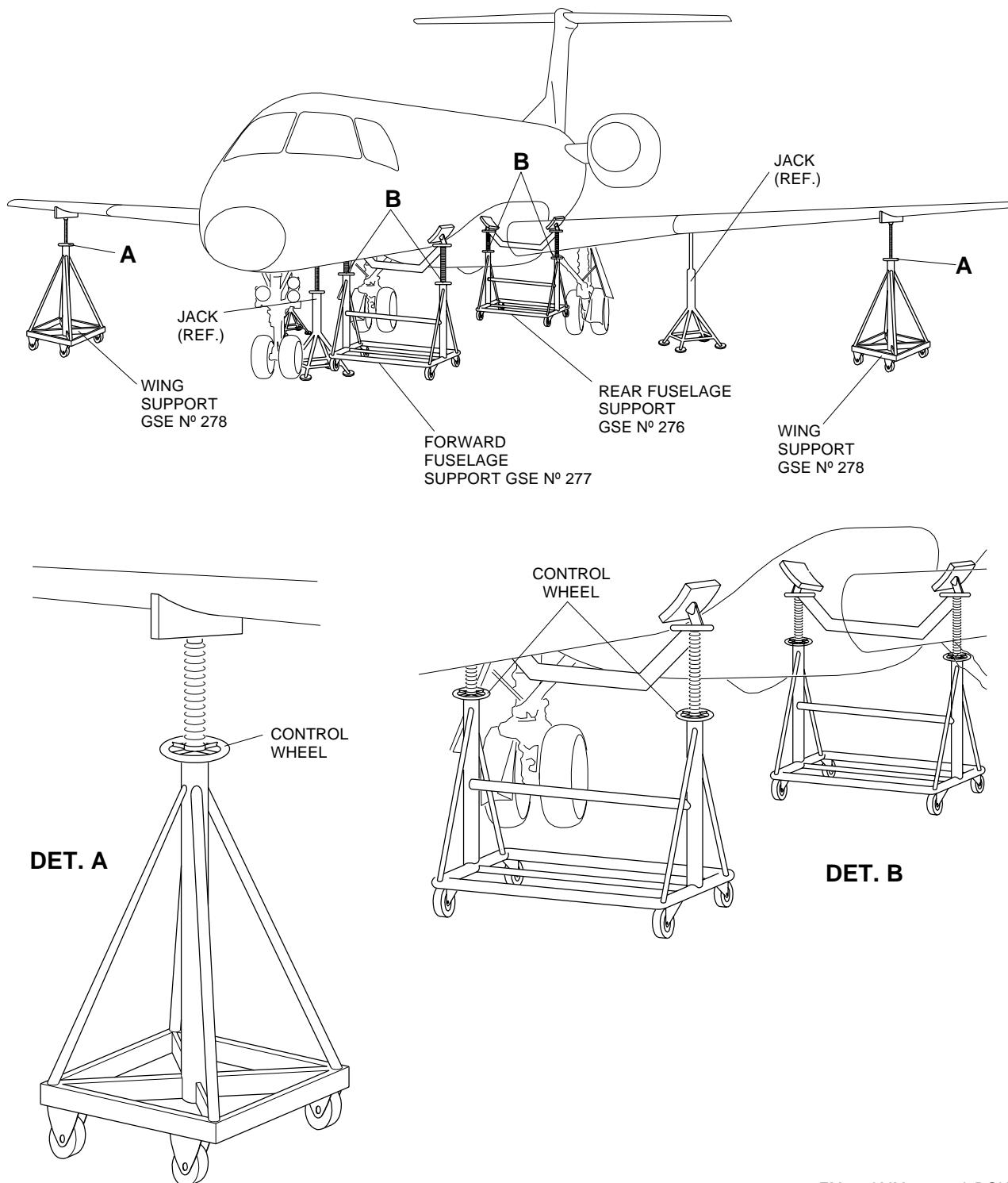
 APPLICABLE TO EMB-135 () AND EMB-145 () MODELS

 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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