

Commercial Jet
ILLUSTRATED
TOOL AND EQUIPMENT LIST

PART NUMBER: F71136-500, -503, -505

Name.....Bar Assembly - Airplane Towing and Steering

Usage.....Towing, steering or pushing the airplane with a standard
towing vehicle.

Description.....The F71136-500 bar assembly is the basic assembly in a family of towbars that are used on 707/720/727 airplanes. The -500 assembly is restricted to 707/720 usage only, but can be modified by the application of a conversion kit for usage on the 727 airplane also. The -500 assembly is an 8-inch diameter aluminum tube, 21 feet long and fitted with wheels which support the assembly when detached from the airplane. A lunette eye is provided for attaching the bar assembly to the towing vehicle. A double pin fitting is provided on the opposite end to attach the bar assembly to the airplane nose gear.

Two active shear pins are part of the airplane attach fittings. They are spaced specifically to permit the application of maximum towing forces but prevent damage to the airplane in the event of excessive load on the bar assembly. Spare pins are stored in special tubes welded to the lunette eye.

The F71136-503 bar assembly is comprised of the -500 bar assembly plus the -505 conversion kit and can be used on 707/720/727 airplanes.

The F71136-505 conversion kit contains the following:

- 1) Wheel frame with screw type height adjustment. (May be used with wheels and axles from present -500 bar assemblies.)
- 2) Two restrictor assemblies (one for 707/720 airplanes and one for 727 airplane only) containing load limiting shear pins and restrictor frame to prevent interchangeability between airplanes and possible damage due to towing load differences.
- 3) A rack attached to bar assembly to stow one restrictor assembly while the other is in use, plus spare shear pins and tubes.

Maintenance x
Overhaul

707/720
Sep 20/71

Airplane Towing and Steering Bar Assembly

09-00
Page 1


ILLUSTRATED
TOOL AND EQUIPMENT LIST

| F71136- | 707 AIRPLANE | 720 AIRPLANE |
|---|--------------|--------------|
| -500 assembly | X | X |
| -503 assembly (-500 assy. plus -505 kit) | X | X |

