



Internal Air Transport Certification

ASC/ENFC (ATTLA)
2145 Monahan Way
WPAFB, OH 45433-7017
<https://afkm.wpafb.af.mil/ATTLA> (direct)



Date: 3 March 2011

Item Nomenclature: Ford E-350 Van

File Number: 2011.02.07

Requestor: FEMA (Kevin J. Canfield)

Item Description: The subject item is identified to be a Ford E-350 Van. Its approximate dimensions are 216" L x 82" W x 100" H. The vehicle was reported to weigh 8,725 lbs with a gross vehicle weight rating (GVWR) of 9,500 lbs. The front axle is reported to weigh 4,175 lbs with a rating of 4,400 lbs. The rear axle is reported to weigh 4,550 lbs with a rating of 6,084 lbs.



Figure 1: Ford E-350 Van

Certified Aircraft: USAF C-130, C-17 and C-5

1. Maximum Weight for Air Transport:

- a. Gross Vehicle Weight: 7,600 lbs without shoring; 9,267 lbs with shoring
- b. Axle Limits:
 - (1) Front – 3,520 lbs without shoring; 4,400 lbs with shoring
 - (2) Rear – 4,867 lbs (80% commercial rating)

2. Item Preparation:

- a. The shipper is responsible for sleeper shoring, see paragraph 5 for dimensions.
- b. All hazardous materials (to include fuel level, batteries, etc.) must be prepared and certified for airlift in accordance with TM 38-250/AFMAN 24-204(I). Do not consider this air transport

certification as approval for hazardous materials. Authorization for airlifting hazardous material is the responsibility of 401 SCMS/GUMAA (DSN 787-4503 or COM (937) 257-4503).

3. Loading Instructions: This vehicle can be loaded using general loading procedures as listed in the respective aircraft loading manual.

4. Restraint Requirements: The Ford E-350 Van and all accompanying cargo must be restrained to meet MIL-HDBK-1791 requirements of 3G forward, 1.5G aft and lateral, and 2G up. In addition, stored or installed equipment must meet these requirements and be capable of withstanding a 4.5G down load. The vehicle has two tiedown rings on the front and two tiedown rings on the rear with a rated capacity of 12,000 lbs each (figures 2 & 3). Restraint may be applied to axles up to their rated capacity in longitudinal and lateral directions as listed in the Item Description paragraph. Do not apply more than 50% of required restraint to vehicle axles for longitudinal and lateral directions. Note that spring mounted axles provide zero vertical restraint. List restraint provisions and capability.



Figure 2: Front Tiedown Rings



Figure 3: Rear Tiedown Rings

5. Required Shoring Dimensions & Diagrams:

a. Sleeper Shoring: 7" L x 7" W (2 stacks). The sleeper shoring must be stacked to within ½" of front chassis/frame area and secured with cargo straps.

Required Distribution:

1. Shipper shall give a copy of this certification to the ATOC representative when the item is presented for airlift. This memo shall be part of the official cargo manifest documentation package and shall be briefed to the aircraft loadmaster prior to loading this item.

2. AMC/A3V.

Point of Contact: MSgt Thomas McPeak, at thomas.mcpeak@wpafb.af.mil, DSN 986-9903 or Commercial (937) 656-9903. Refer to file number 2011.02.07 to reference this item.

Approved by: 
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