

PART TWO
TYPE V AIRDROP PLATFORM

CHAPTER 4
RIGGING INFORMATION FOR TYPE V AIRDROP PLATFORM

4-1. Description of Items

The unrigged data for the trucks covered in Part Two are listed in Table 4-1.

Table 4-1. Data for unrigged trucks

Cargo Trucks		
	M813	M813A1
Weight without winch	21,461 pounds	21,479 pounds
Weight with winch	22,126 pounds	22,144 pounds
*Height	116 inches	116 inches
Width	98 inches	98 inches
Length without winch	301 inches	301 inches
Length with winch	317 inches	317 inches
	M54	M54A1 and M54A2
Weight without winch	19,231 pounds	19,480 pounds
Weight with winch	19,945 pounds	20,194 pounds
*Height	116 inches	116 inches
Width	97 inches	97 inches
Length without winch	299 inches	299 inches
Length with winch	314 inches	314 inches
	M925	M925A1
Weight without winch	22,060 pounds	22,561 pounds
Weight with winch	22,458 pounds	23,275 pounds
*Height	116 inches	121 inches
Width	98 inches	97 inches
Length without winch	310 inches	310 inches
Length with winch	329 inches	332 inches
*Reducible to 86 inches.		

Table 4-1. Data for unrigged trucks (continued)

Dump Trucks		
	M51	M51A1 and M51A2
**Weight without winch	21,523 pounds	21,986 pounds
**Weight with winch	22,237 pounds	22,700 pounds
*Height	111 inches	111 inches
Width	98 inches	98 inches
Length without winch	267 inches	267 inches
Length with winch	282 inches	282 inches
	M817	
**Weight without winch	22,626 pounds	
**Weight with winch	23,340 pounds	
*Height	111 inches	
Width	95 inches	
Length without winch	274 inches	
Length with winch	289 inches	
	M929	
**Weight without winch	29,340 pounds	
**Weight with winch	30,054 pounds	
*Height	118 inches	
Width	98 inches	
Length without winch	273 inches	
Length with winch	289 inches	
<p><i>*Reducible to 86 inches.</i></p> <p><i>**Without cab shield.</i></p> <p>Note: In the above descriptions, all weights and dimensions are rounded to the nearest pound and inch, respectively.</p>		

4-2. Special Considerations

Special considerations for the type V platform are given below.

a. These loads may include a hazardous material as defined in AFR 71-4/TM 38-250. If hazardous material is included, it must be packaged, marked, and labeled as required by AFR 71-4/TM 38-250.

b. When rigging the truck for low-velocity airdrop, use only type XXVI nylon webbing suspension slings, the M-2 cargo parachute release assembly, and the EFTC.

c. A copy of this manual must be available to the joint airdrop inspectors during the before- and after-loading inspections.

4-3. Modifying Truck

The truck must be modified by qualified maintenance personnel before it is delivered to the rigging site. The following modifications must be

made to all trucks to be rigged for low-velocity and LAPE airdrops.

a. Low-Velocity Airdrop.

(1) If the truck is NOT equipped with a winch, mainframe extension assemblies MUST be installed. Figure 4-1 shows the mainframe extension assemblies installed.

(2) The standard front lifting shackle brackets MUST be replaced with heavy-duty, 1 1/8-inch-thick, front lifting shackle brackets. Figure 4-2 shows the 1 1/8-inch-thick brackets installed.

(3) Access holes must be made in the body of the trucks. Figure 4-3 shows the location of the access holes in the body of the cargo truck. Figure 4-4 shows the location of the access holes in the body of the dump truck.

b. LAPE Airdrop. The truck must be modified as described in 4-3 a(1) and (3).

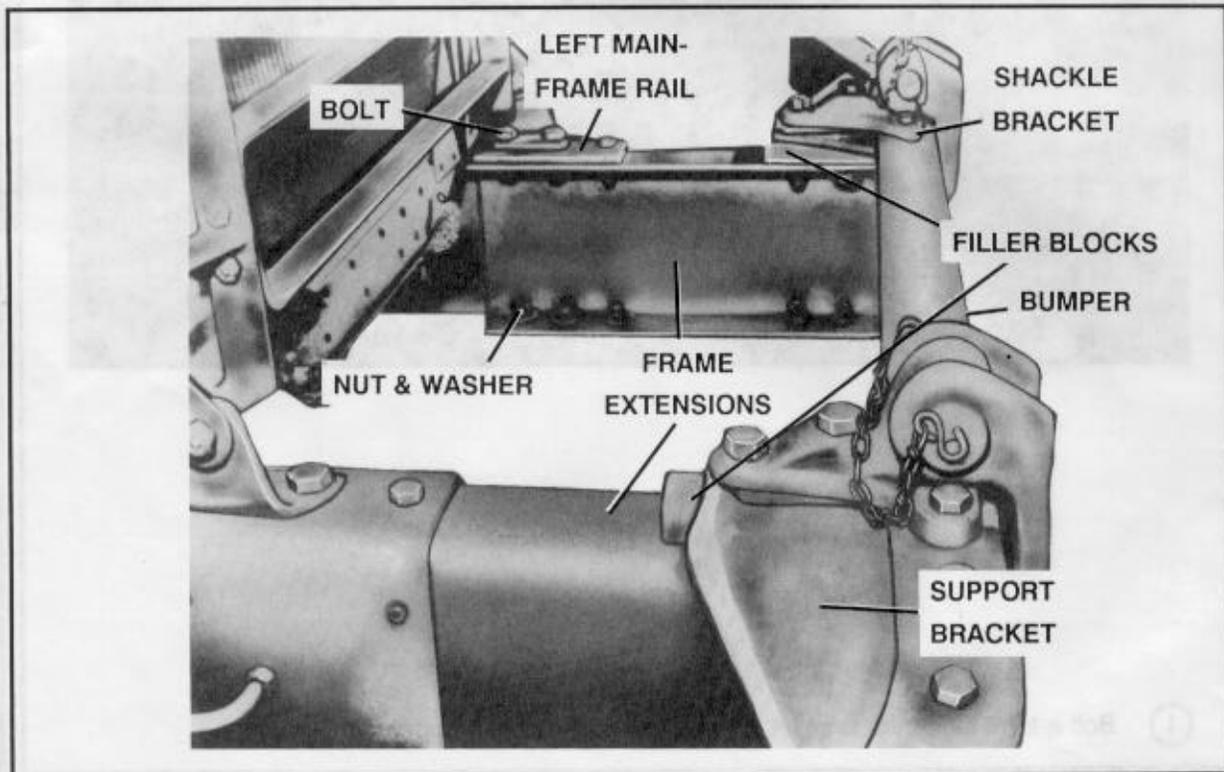
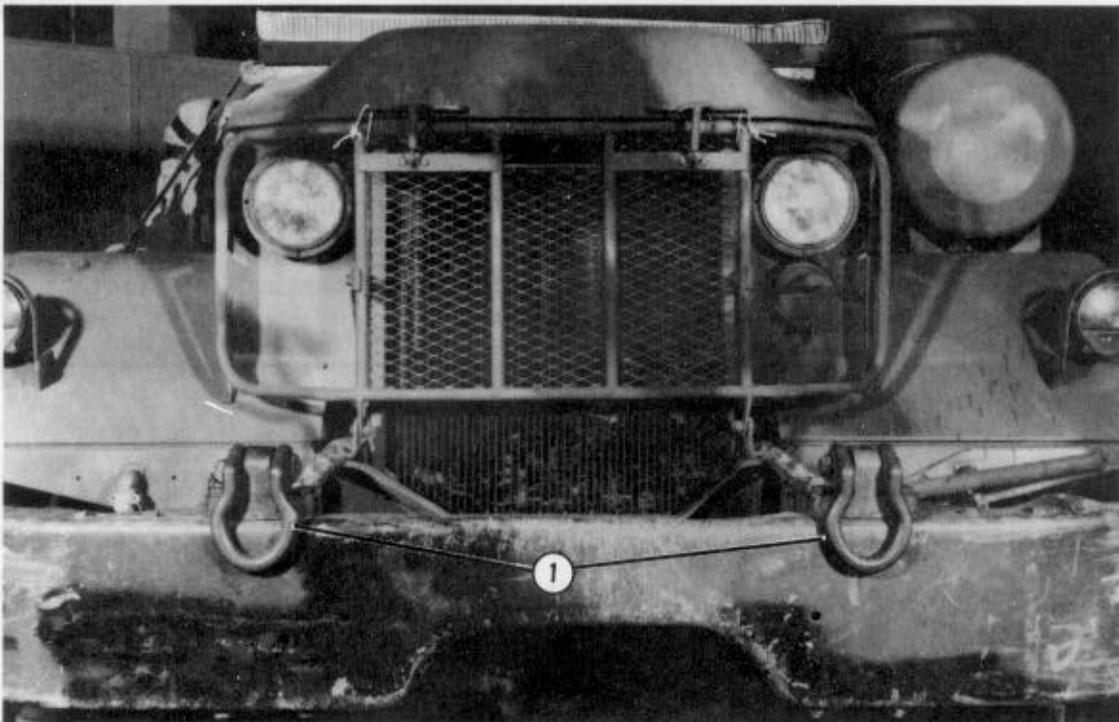


Figure 4-1. Mainframe extension assemblies installed on the front of the truck

CAUTION

All 5-ton trucks to be rigged for low-velocity air-drop **MUST** be equipped with 1 1/8-inch-thick front lifting shackle brackets.



- ① Bolt a 1 1/8-inch-thick bracket to each side of the front bumper of the truck.

Figure 4-2 . Heavy-duty, 1 1/8-inch-thick, front lifting shackle brackets installed

Note: This drawing is not drawn to scale.

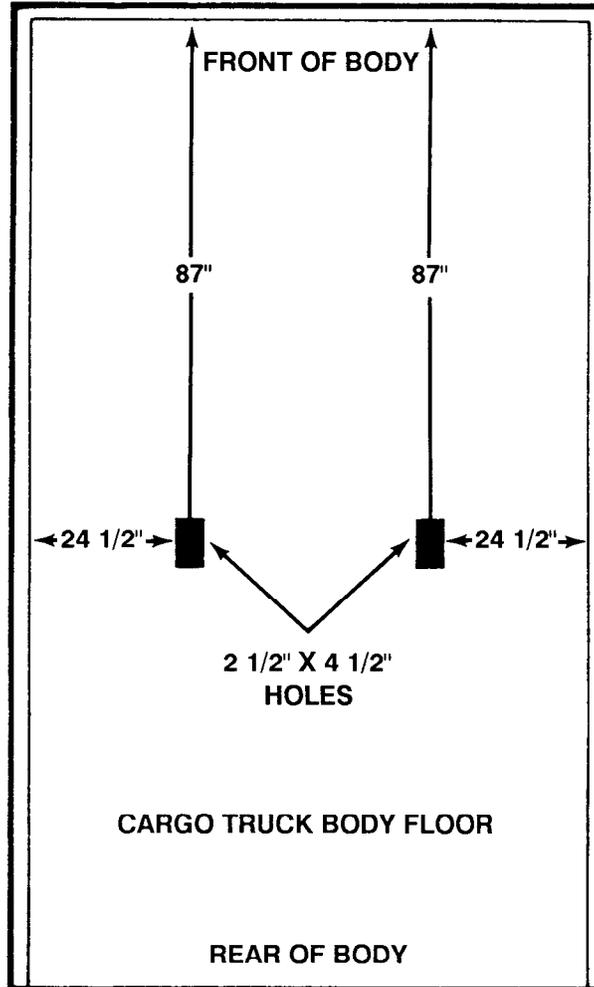


Figure 4-3. Access holes cut in the body of the cargo truck

Note: This drawing is not drawn to scale.

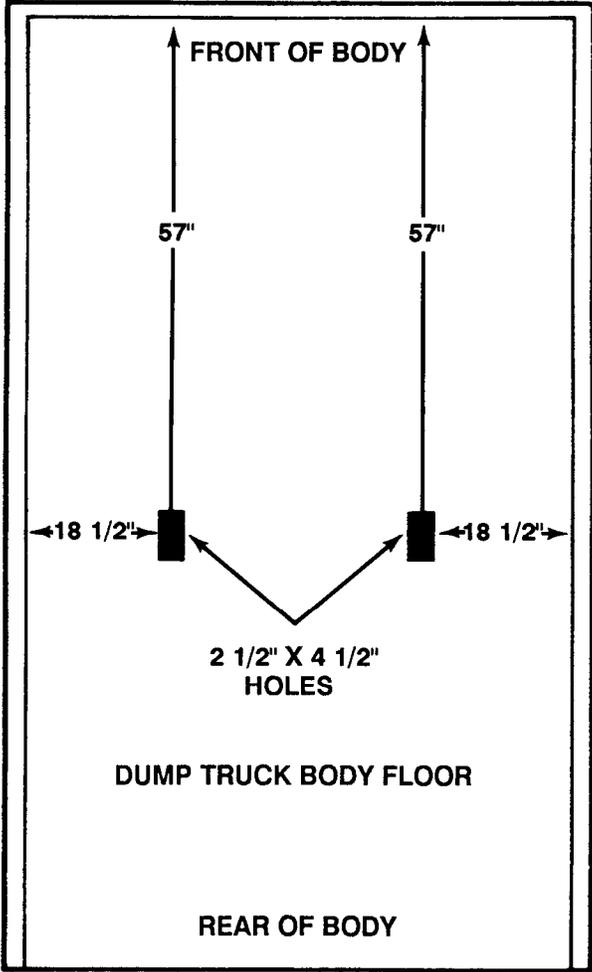


Figure 4-4. Access holes cut in the body of the dump truck

4.4. Accompanying Load

An accompanying load may be rigged as part of any load listed in this manual.

a. The accompanying load **MUST**—

- (1) Be stowed in the body of the truck.
- (2) Meet the requirements and the restrictions given in FM 10-500-2/TO 13C7-1-5.

b. The accompanying load **MUST NOT**—

- (1) Exceed the height of the cab when the cargo truck is rigged.

(2) Exceed the height of the spare tire when the dump truck is rigged.

(3) Increase the height of the completely rigged load.

(4) Interfere with or restrict the suspension slings.

(5) Cause the total suspended weight to exceed 25,270 pounds.