

CHAPTER 6

**Rigging M35A1 or M35A2, 6 X 6,  
Cargo Truck for a LAPE Airdrop**

**Section I**

**RIGGING FLOODLIGHT SET AS AN ACCOMPANYING LOAD**

**6-1. Description of Load**

The electric floodlight set contains six floodlights and a model MED-017A, 5-kilowatt AC generator set. It can only be dropped as a LAPE load because slings cannot be installed when the light set is stowed. Data for the light set are in table 6-1.

**6-2. Preparing Generator**

Prepare the generator as shown in figure 6-1.

**6-3. Stowing Generator**

After the truck has been set on the platform, stow the generator in the bed of the truck as shown in figures 6-2 and 6-3.

**Table 6-1. Floodlight set data**

	<b>*Floodlight Set</b>	<b>Generator</b>
<b>Weight</b>	345 pounds	479 pounds
<b>Width</b>	30 inches	30 inches
<b>Height</b>	21 inches	25 inches
<b>Length</b>	76 inches	40 inches
	<b>*each box</b>	

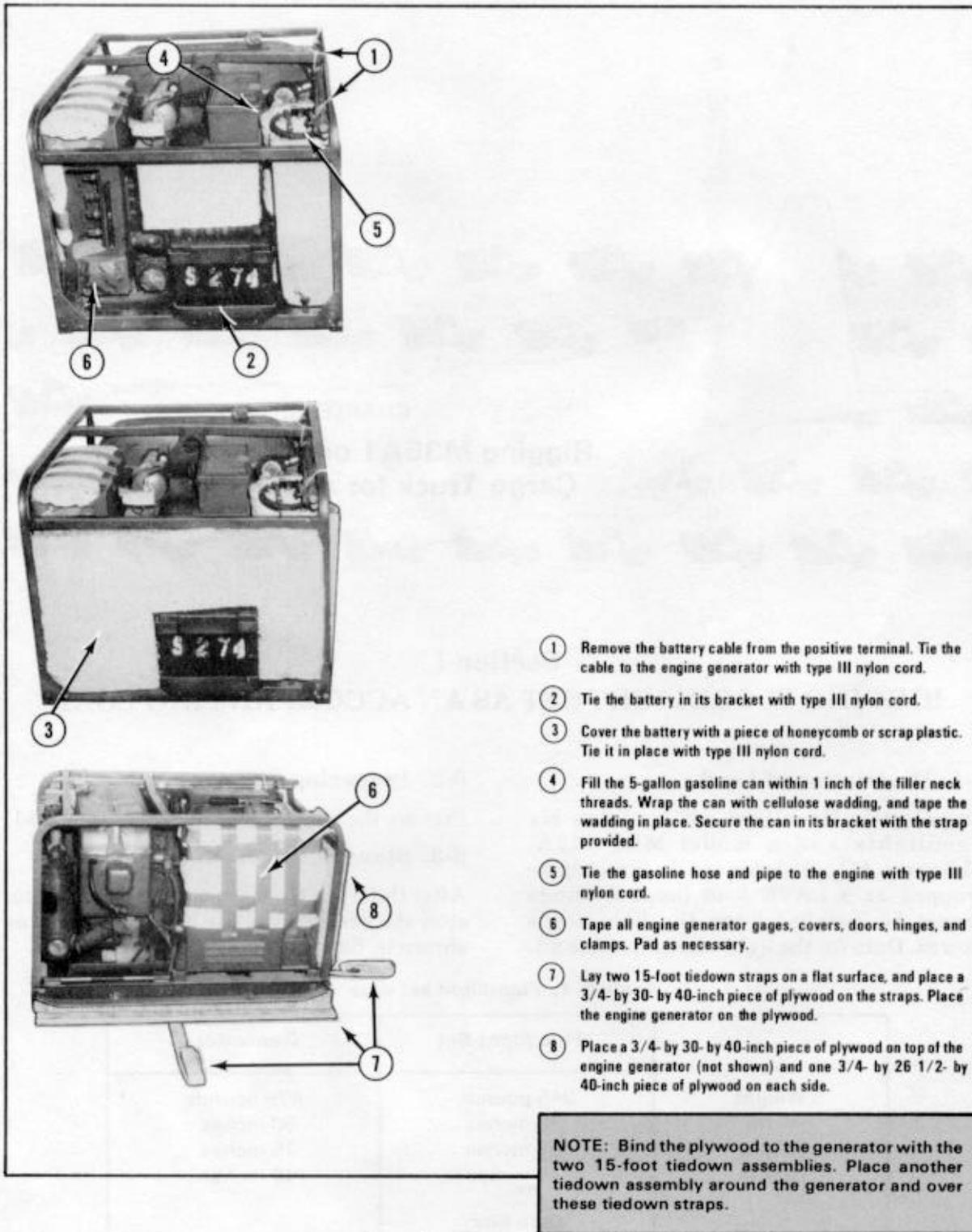
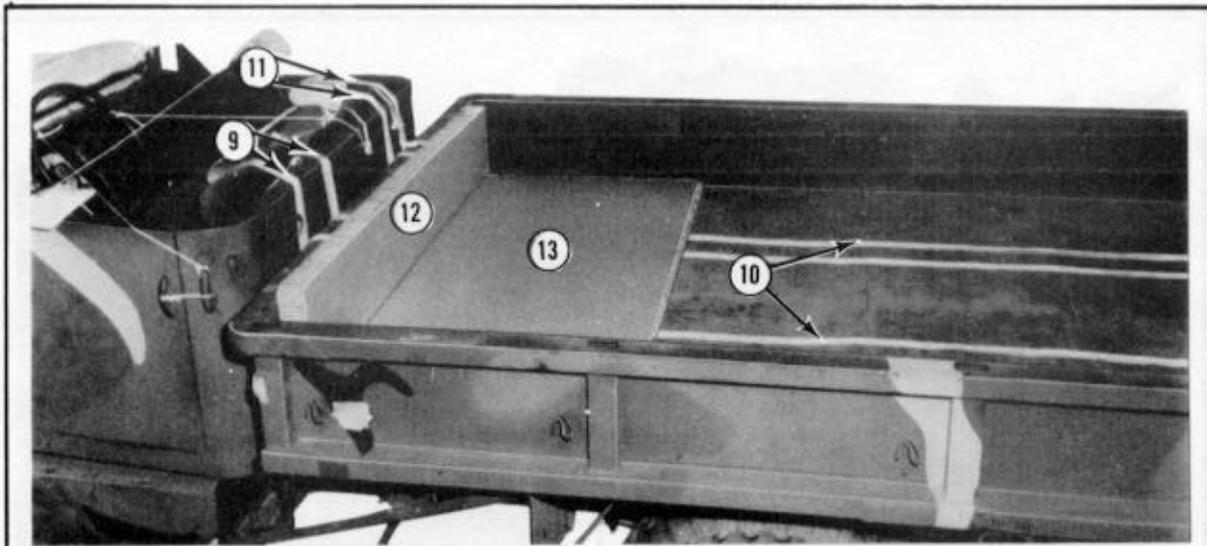


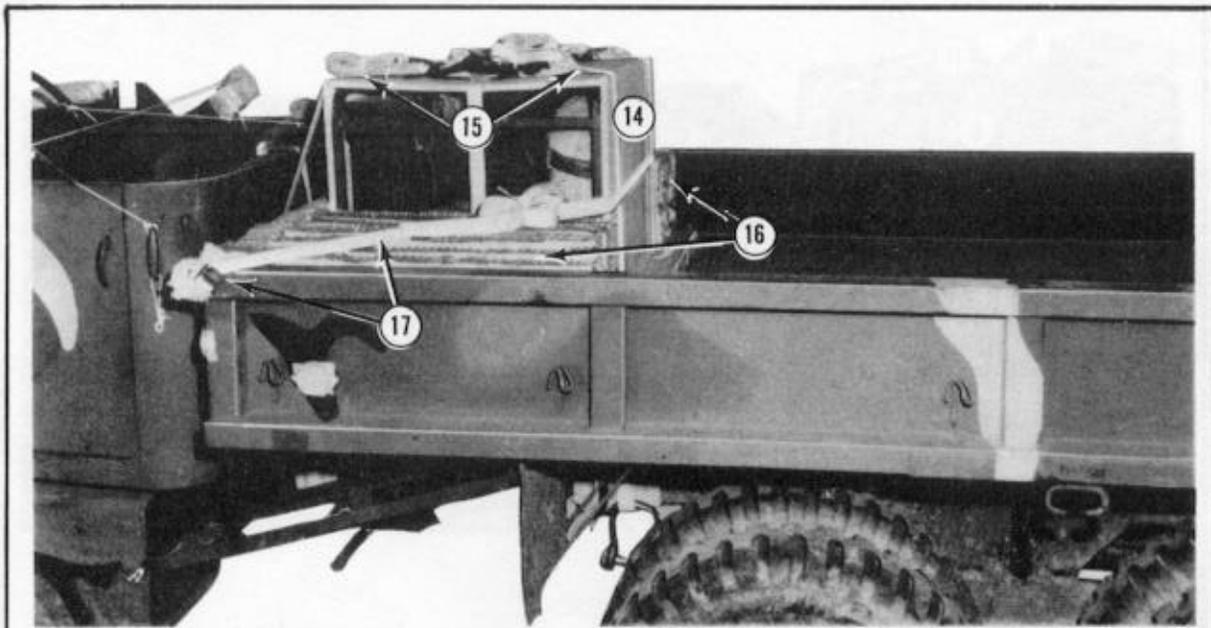
Figure 6-1. Generator prepared.



**NOTE:** Form four 30-foot tiedown straps as outlined in FM 10-500/TO 13C7-1-5.

- ⑨ Pass two straps over the front of the cargo bed and around the left mainframe rail. Lay them on the operator's compartment.
- ⑩ Lay the other end of the straps in step 9 lengthwise on the cargo bed.
- ⑪ Pass the remaining two straps around the right mainframe rail, and place them as described in steps 9 and 10 above.
- ⑫ Place a 3- by 13- by 72-inch piece of honeycomb against the front of the cargo bed.
- ⑬ Place a 3- by 36- by 72-inch piece of honeycomb in the front area of the cargo bed.

Figure 6-2. Tiedown straps and honeycomb in place.



- ⑭ Center the generator on the honeycomb in the cargo bed.
- ⑮ Secure the generator with two 30-foot tiedown assemblies.
- ⑯ Place honeycomb filler on each side of the generator.

**NOTE:** This filler must not extend above the sides of the cargo bed or to the rear of the generator.

- ⑰ Pass the end of one 15-foot tiedown strap through the front cargo rack socket on each side of the cargo bed and through its own D-ring. Pull each strap taut. Run the straps behind the generator, and secure them with two heavy-duty D-rings and one load binder.

Figure 6-3. Generator stowed.

#### 6-4. Preparing Floodlight Set

The floodlight set consists of two separate boxes packed with the light stand, three reflectors, bulbs, lenses, and light cords. Prepare the floodlight set as shown in figure 6-4. Bind each box closed with two 15-foot tiedown assemblies. In addition, form one 30-foot tiedown strap according to FM 10-500/TO 13C7-1-5, and secure it endwise around each floodlight box.

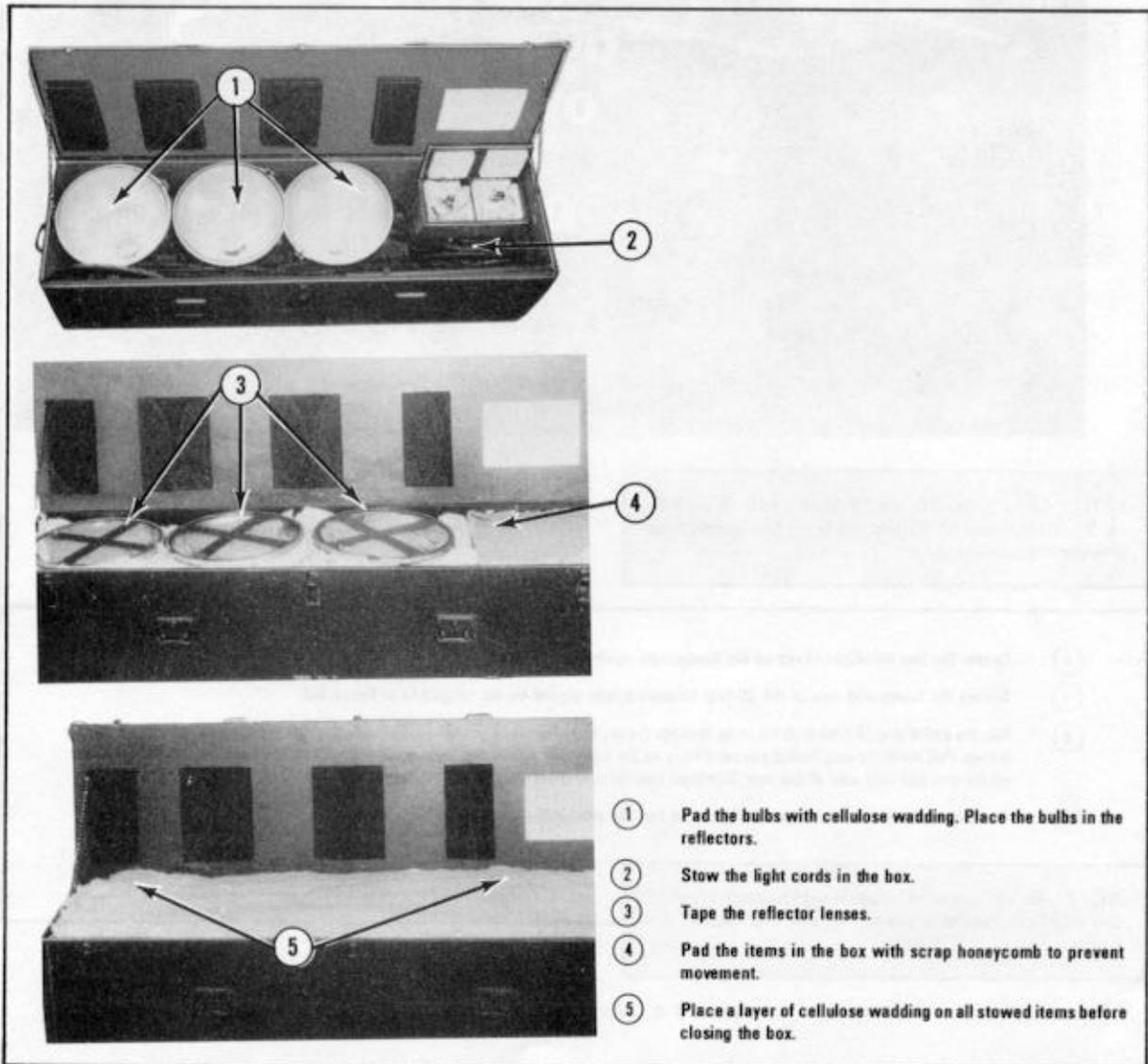
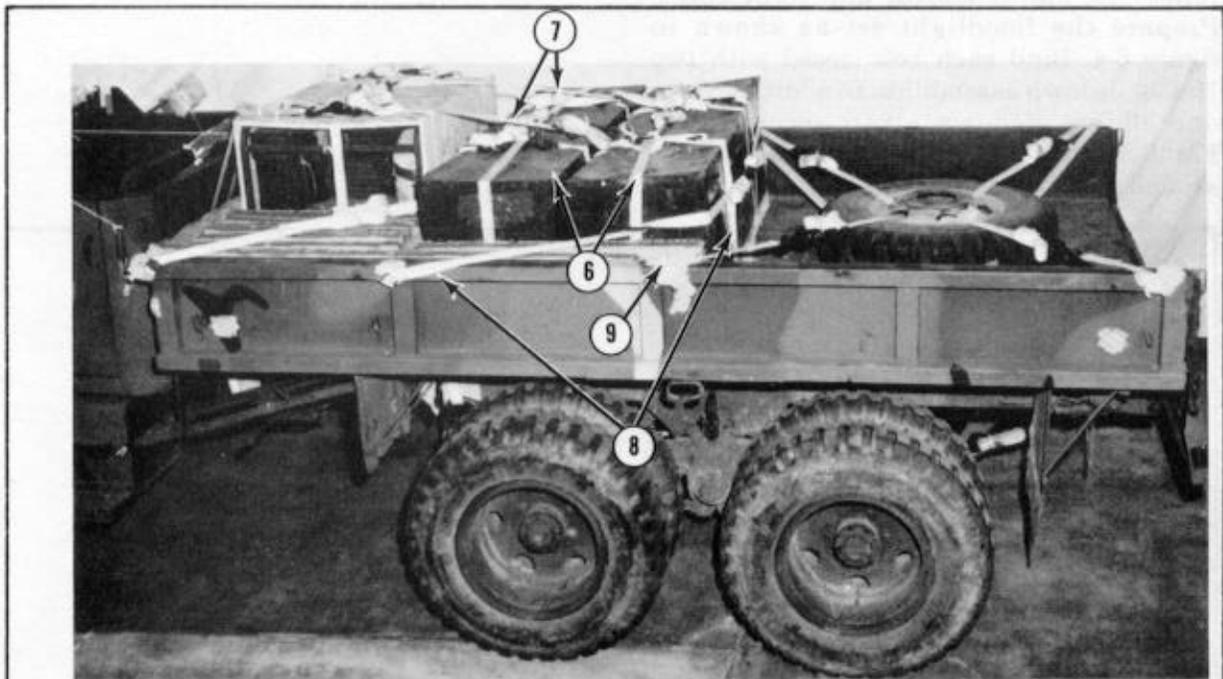


Figure 6-4. Floodlight set prepared.

### 6-5. Stowing Floodlight Boxes

Stow the floodlight boxes behind the generator as shown in figure 6-5.



**NOTE:** Lay a 3- by 36- by 72-inch and a 3- by 14- by 72-inch piece of honeycomb on the cargo bed behind the generator.

- ⑥ Center the two floodlight boxes on the honeycomb against the generator.
- ⑦ Secure the boxes with two of the 30-foot tiedown straps placed on the cargo bed in figure 6-2.
- ⑧ Run the end of one 15-foot tiedown strap through the second cargo rack socket on the left side of the cargo bed and through its own D-ring. Pull the strap taut. Install a second strap on the right side in the same manner. Run the straps through the carrying handles on the end and rear side of the rear floodlight box. Secure them with two D-rings and a load binder.
- ⑨ Place honeycomb filler between the light sets and the side of the truck bed.

**NOTE:** This filler must not extend above the bed of the truck or past the boxes toward the rear of the truck.

Figure 6-5. Floodlight boxes stowed.

### 6-6. Equipment Required

The equipment required to prepare and stow the floodlight set as an accompanying load is listed in table 6-2.

Table 6-2. Equipment required for rigging a floodlight set in a 2 1/2-ton dump truck

National Stock Number	Item	Quantity
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
8135-00-664-6958	Cushioning material, packaging, cellulose wadding	As required
1670-00-753-3928	Pad, energy dissipating, honeycomb, 3- by 36- by 96-in: 13- by 72-in 36- by 72-in	3 sheets (1) (2)
5530-00-128-4981	Plywood, 3/4-in: 26 1/2- by 40-in 30- by 40-in	2 2
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tiedown assembly, 15-ft:	19
1670-00-937-0272	Binder, load, 10,000-lb	(15)
5365-00-937-0147	D-ring, heavy-duty	(32)
1670-00-937-0273	Strap, 15-ft	(19)