

Figure 2-3. 1 1/4-Ton Cargo Truck (HMMWV)

2-5. M1037/M1042/M1097/M1097A1/M1097A2 Shelter Carrier (HMMWV) Without Shelter

a. Applicability. The following items in Table 2-4 are certified for all helicopters with suitable lift capacity by the US Army Soldier Systems Center:

Table 2-4. M1037/M1042/M1097/M1097A1/M1097A2 Shelter Carrier (HMMWV) Without Shelter

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/REAR	RECOMMENDED AIRSPEED (KNOTS)
Shelter Carriers, M1037/M1042	5,220	15K 10K	60/3	100
Shelter Carriers, M1097/M1097A1	10,000	10K	60/3	100
Shelter Carriers, M1097A2	10,300	25K	50/3	100

b. Materials. The following materials are required to rig this load:

(1) Multileg sling set (15,000-pound capacity or 40,000-pound capacity for CH-53 only).

OR

(2) Sling set (10,000-pound capacity or 25,000-pound capacity for CH-60 and CH-47).

(3) Tape, adhesive, pressure-sensitive, 2-inch wide roll.

(4) Cord, nylon, Type III, 550-pound breaking strength.

(5) Webbing, cotton, 1/4-inch, 80-pound breaking strength.

(6) Felt sheet, cattle hair, Type VI, 1/2-inch or suitable substitute.

c. Personnel. Two persons can prepare and rig this load in 15 minutes.

d. Procedures. The following procedures apply to this load:

(1) **Preparation.** Prepare the load using the following steps:

(a) Fold mirrors forward in front of the windshield for

added protection and tie together with Type III nylon cord. Tape the windshield in an X formation from corner to corner.

(b) Secure all equipment and cargo inside the vehicle with tape, nylon cord, or lashings. Secure the doors shut if installed.

(c) Ensure the fuel tank is not over 3/4 full. Inspect the fuel tank cap, oil filler cap, and battery caps for proper installation.

(d) Engage the vehicle parking brake and place the transmission in neutral.

(e) Ensure the front wheels are in pointed straight ahead. Tie down the steering wheel using the securing device attached under the dashboard.

(f) Install the lift provisions on the outer ends of the rear bumper by removing the tiedown provisions located inboard of the bumper end and installing them on the outer ends of the rear bumper.

(2) **Rigging.** Rig the load according to the steps in Figure 2-4.

(3) **Hookup.** The hookup team stands in the bed of the vehicle. The static wand person discharges the static electricity with the static wand. The hookup person places the apex fitting onto the aircraft cargo hook. The hookup team then carefully dismounts the vehicle and remains

close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup team quickly exits the area underneath the helicopter to the designated rendezvous point.

(4) Derigging. Derigging is the reverse of the preparation and rigging procedures in steps d (1) and d (2).

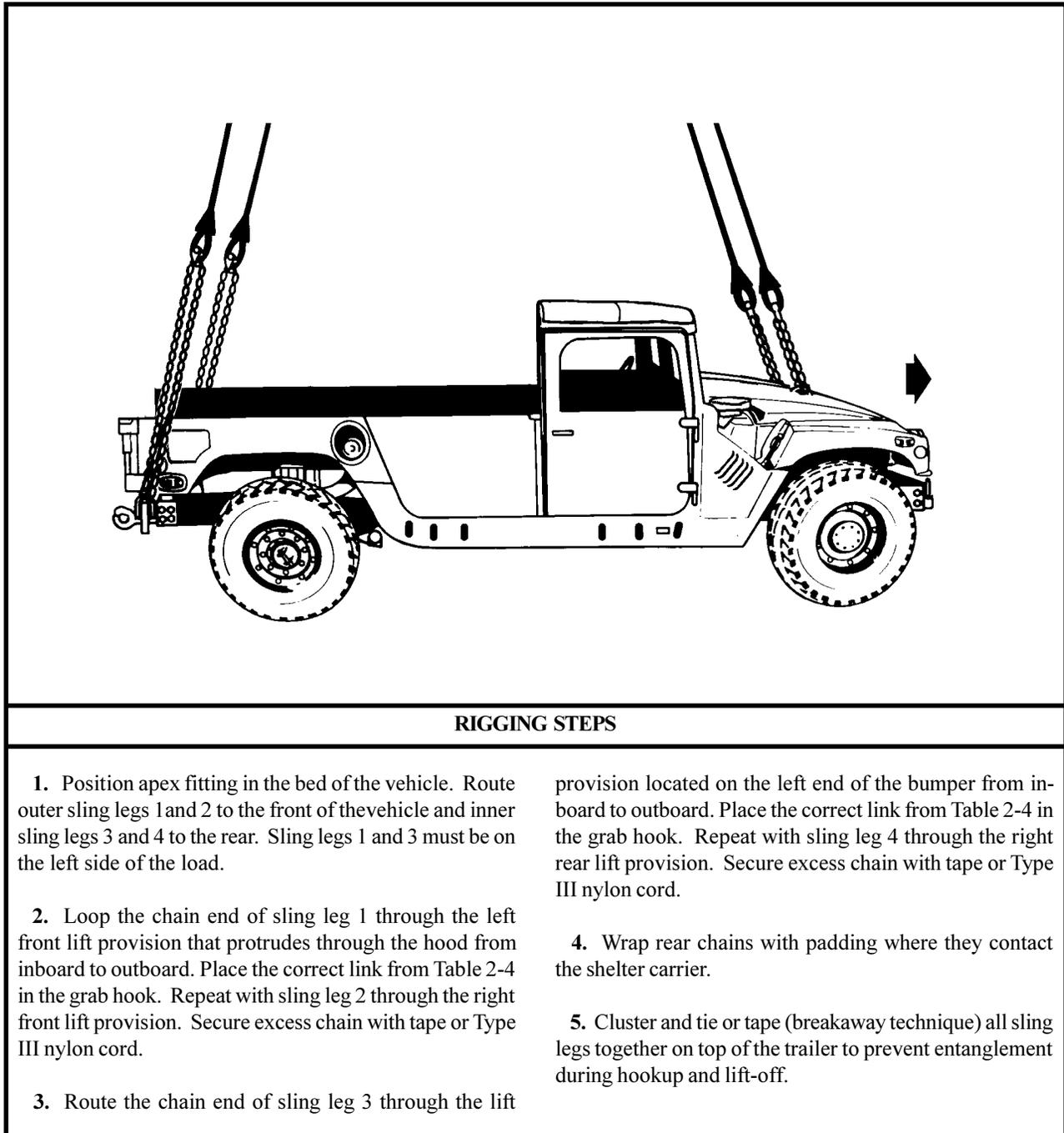


Figure 2-4. M1037/M1042/M1097/M1097A1/M1097A2 Shelter Carrier (HMMWV) Without Shelter

2-6. M1037/M1042 Shelter Carrier (HMMWV) With S-250 or S-250E Shelter

a. **Applicability.** The following items in Table 2-5 are certified for all helicopters with suitable lift capacity by the US Army Natick Research, Development, and Engineering Center:

Table 2-5. Shelter Carrier (HMMWV) With S-250 or S-250E Shelter

SHELTER VARIANT NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/REAR	RECOMMENDED AIRSPEED (KNOTS)
NC Operations	8,800	10K	80/30	110
NC Switch	8,513	10K	80/30	100
NC LOS (V3)	8,611	10K	80/30	100
NC Management	8,800	10K	80/30	100
NC Support Vehicle	8,400	10K	80/30	100
LEN Operations	8,800	10K	80/30	100
LEN Switch	8,800	10K	80/30	100
LEN LOS (V4)	8,800	10K	80/30	100
LEN Management	8,800	10K	80/30	100
LEN Cable Vehicle	8,180	10K	80/30	100
SCC Command	8,800	10K	80/30	100
SCC Planning	8,300	10K	80/30	100
SCC Technical	8,507	10K	80/30	100
LOS (V1)	8,800	10K	80/30	100
LOS (V2)	8,500	10K	80/30	100
Radio Access Unit	8,800	10K	80/30	100
SEN (V1)	8,800	10K	80/30	100
SEN (V2)	8,800	10K	80/30	100
Maintenance #1	8,084	10K	80/30	100
Maintenance #2	8,350	10K	80/30	100