

Table 2-9. Lightweight Multipurpose Shelter (LMS) (continued)

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/REAR	RECOMMENDED AIRSPEED (KNOTS)
Spare Equipment and Maintenance Shelter AN/TSQ-190 (V) 1	9,220	10K	40/3	120
Tactical Remote Sensor System (TRSS) Sensor Mobile Monitoring System (SMMS)	7,685	10K	40/3	120
Meteorological Measuring Set AN/TMQ-41	7,770	15K	40/3	120
Air Defense Communications Platform AN/MSQ-124	10,000	10K	40/3	120
Forward Area Air Defense Command Control System AN/TSQ-182	9,800	10K	40/3	100
Forward Area Air Defense Command Control System AN/TSQ-183	7,561	10K	40/3	100
Forward Area Air Defense Command Control System AN/TSQ-184	7,297	10K	40/3	100
Mobile Radio Broadcasting Subsystem (MRBS)	9,746	10K	40/3	120
Mobile Radio (MR) Cargo Vehicle	9,907	10K	40/3	120
Mobile Television Broadcasting Subsystem (MTBS)	9,295	10K	40/3	120
Mobile Television (MT) Cargo Vehicle	9,637	10K	40/3	120
Common Ground Station, Joint Surveillance Target Attack Radar (JSTAR) System	10,300	25K 15K	32/5 40/3	120
Advanced Field Artillery Tactical Data Systems (AFATADS), System #1, RWS with a CHS-2 AN/GYG-3(V)1	8,882	10K	50/3	100
Marine Expeditionary Force Intelligence Analysis System S1	9,194	15K	40/3	100
Marine Expeditionary Force Intelligence Analysis System S2	9,126	15K	40/3	100
Tactical Control and Analysis Center	9,300	15K	40/3	100

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

(1) Sling set (10,000-pound capacity or 25,000-pound capacity).

(a) Chain length, part number 38850-00053-101, for a 10,000-pound capacity sling set or chain length, part number 38850-00053-102, for a 25,000-pound capacity sling set (4 each).

(b) Coupling link, part number 577-0615, for a 10,000-pound sling set or coupling link, part number 664241, for a 25,000-pound sling set (4 each).

**OR**

(2) Multileg sling set (15,000-pound capacity for the CH-53E only).

(a) Additional chain lengths from 15,000-pound capacity sling sets (8 each).

(b) Additional coupling links from 15,000-pound capacity sling sets (8 each).

(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 IV, 1/2-inch or suitable padding.

**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) Extend the sling leg chains by connecting one additional chain length to each chain on a 10,000-, 25,000- or 40,000-pound capacity sling set with coupling links. Connect two additional chain lengths to each chain on the 15,000-pound multileg sling set chain with coupling links.

(b) Fold mirrors forward in front of the windshield for added protection and tie together with Type III nylon cord.

(c) Secure the shelter to the truck using wire rope or tie-down assemblies.

(d) Secure all equipment inside the shelter with tape, nylon cord, or lashings; close and secure shelter vents and door with nylon cord or tape.

(e) Secure environmental control unit cover with tape.

(f) Disconnect the power cord from the rear panel and secure it to the rear platform with Type III nylon cord. Lower the power panel door and secure the door.

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

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

(i) Engage the vehicle parking brake and put the transmission in neutral.

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

(k) Tape the windshield in an X formation from corner to corner.

(l) 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.

(m) Remove the upper antenna mounting bracket if installed.

(2) **Rigging.** Rig the load according to the steps in Figure 2-9.

**NOTE: Hookup of this load presents substantial risk of damage to the load or injury to the hookup personnel. Use of a reach pendant is recommended for this load.**

(3) **Hookup.** The hookup team stands on top of the shelter. 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