

LIFTING AND POSITIONING TRUCK AND INSTALLING OPTIONAL DRIVE-OFF AIDS

5-9. Install the lifting slings and position the truck on the honeycomb stacks as shown in Figure 4-13. Attach the optional drive-off aids to the wheels of the truck as shown in Chapter 3 of this manual. Position the truck on the platform as shown in Figure 5-9.

LASHING TRUCK

5-10. Lash the truck to the platform as shown in Figures 5-10 and 5-11.

INSTALLING SUSPENSION SLINGS AND ATTITUDE CONTROL SYSTEM

5-11. Construct and inspect the Attitude Control System (ACS) according to Chapter 3. Position the ACS and suspension slings as shown in Figure 5-12. Secure the ACS according to Chapter 3 and as shown in Figures 5-13 and 5-14. Complete the suspension slings, pad the links, and safety tie the slings as shown in Figure 5-15.

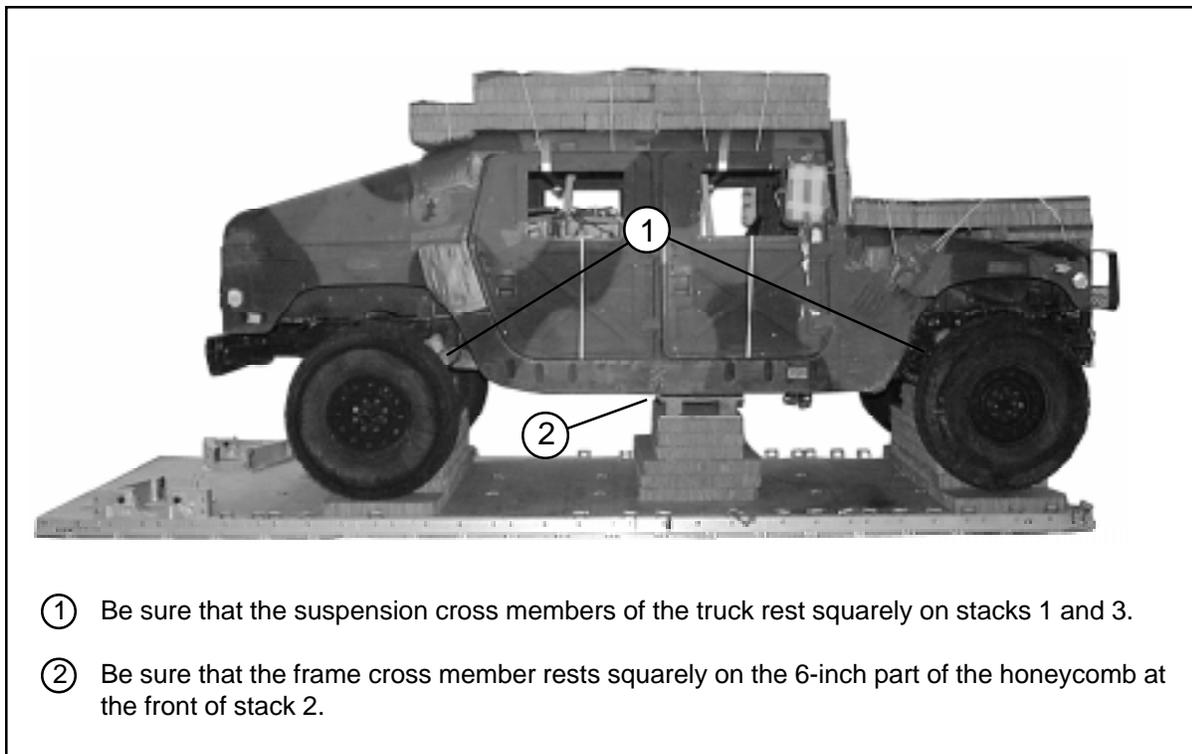
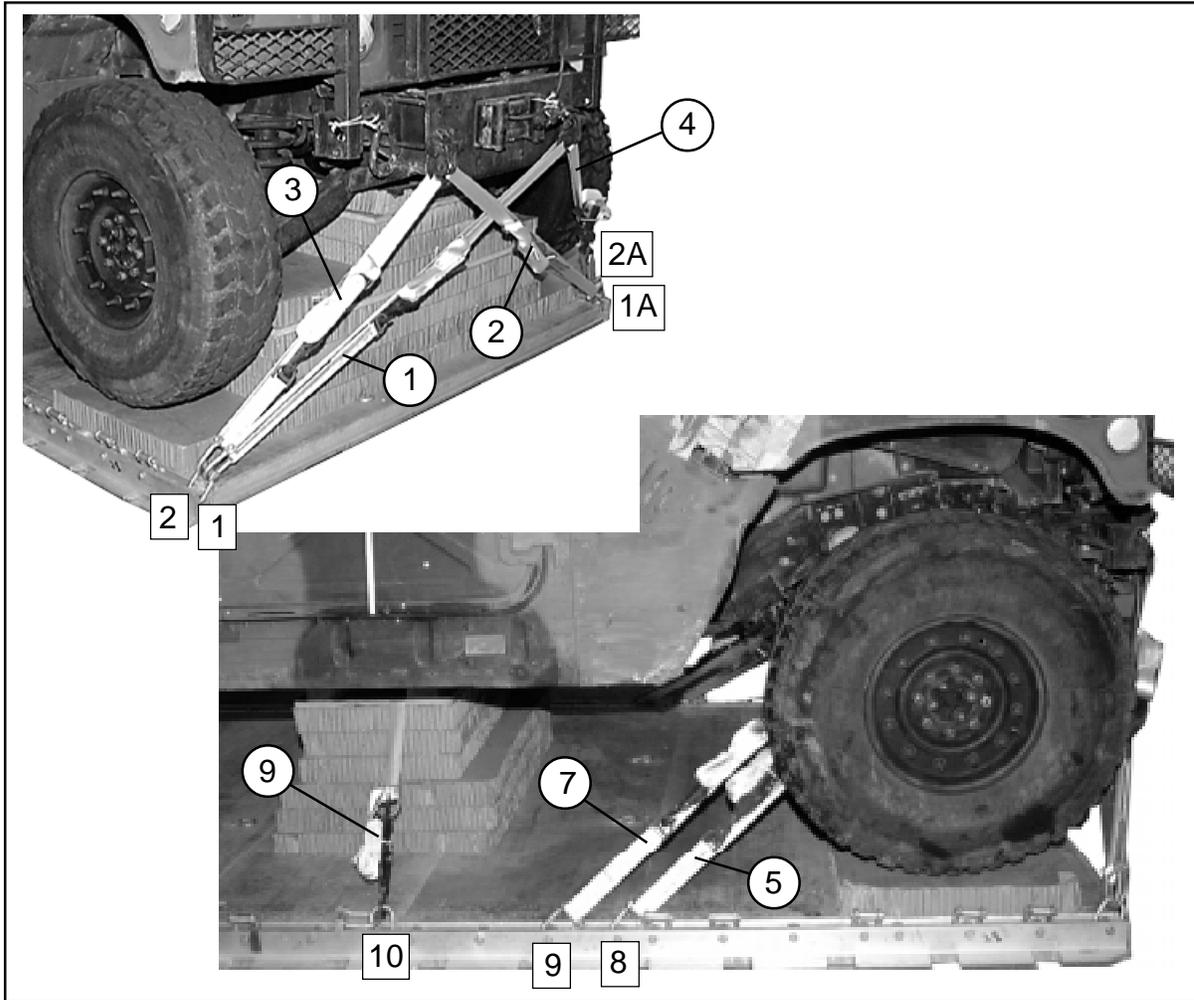
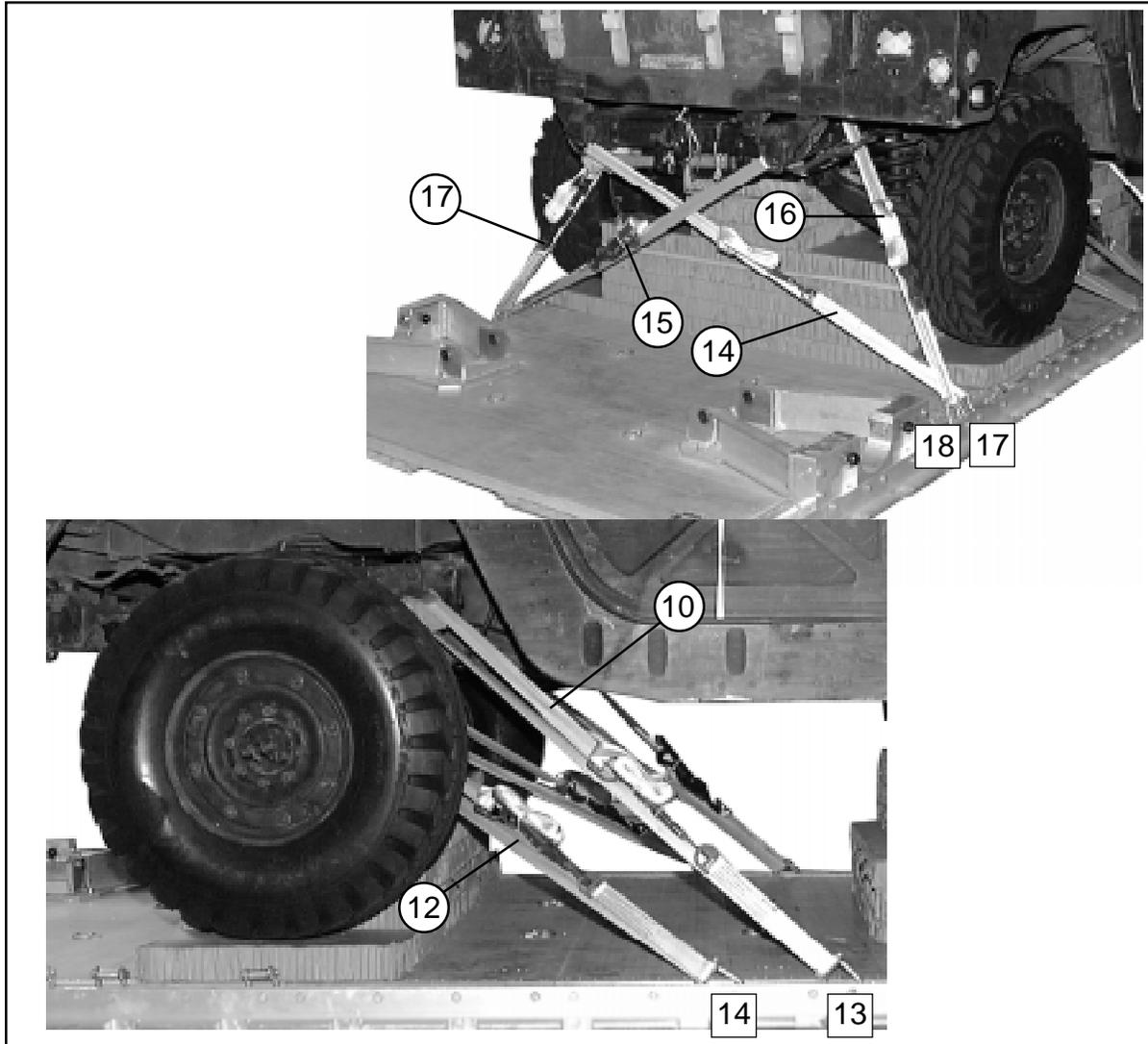


Figure 5-9. M1025 Armament Carrier Positioned on Platform



Lashing Number	Tie-down Clevis Number	Instructions
1	1	Pass lashing:
2	1A	Through left front tie-down provision.
3	2	Through right front tie-down provision.
4	2A	Through left front tie-down provision.
5	8	Around right front lower control arm.
6	8A	Around left front lower control arm.
7	9	Through tie-down bracket behind right front coil spring.
8	9A	Through tie-down bracket behind left front coil spring.
9	10 and 10A	Pass a 15-foot lashing through clevis 10A and through its own D-ring. Pass the lashing through the hole in stack 2. Attach the lashing to clevis 10 with a load binder.

Figure 5-10. Lashings 1 Through 9 Installed



Lashing Number	Tie-down Clevis Number	Instructions
10	13	Pass lashing: Through tie-down bracket in front of right rear coil spring.
11	13A	Through tie-down bracket in front of left rear coil spring.
12	14	Around right rear lower control arm.
13	14A	Around left rear lower control arm.
14	17	Through left rear tie-down provision.
15	17A	Through right rear tie-down provision.
16	18	Through right rear tie-down provision behind the coil spring.
17	18A	Through left rear tie-down provision behind the coil spring.

Figure 5-11. Lashings 10 Through 17 Installed

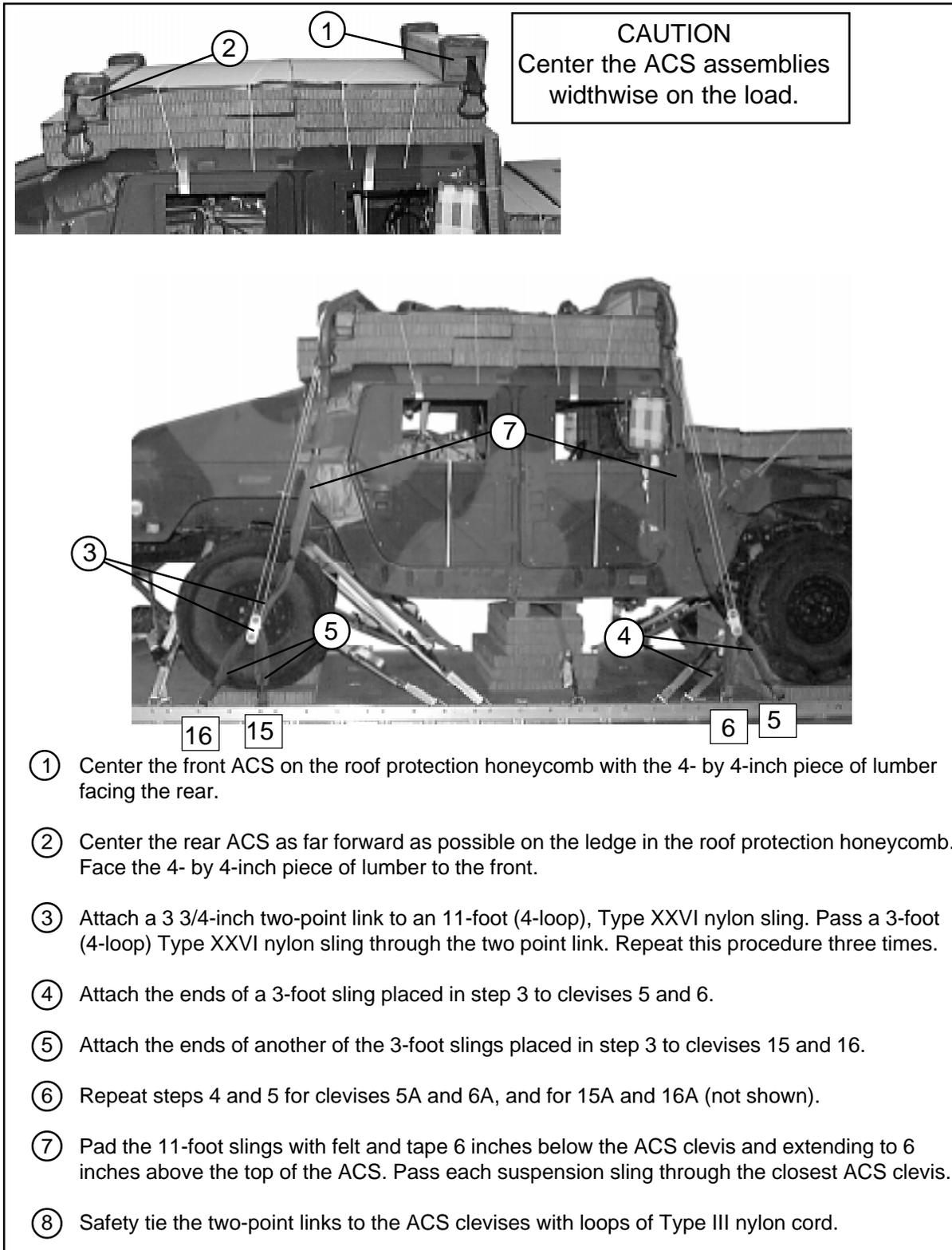


Figure 5-12. Front and Rear ACS Installed, and Suspension Slings Installed

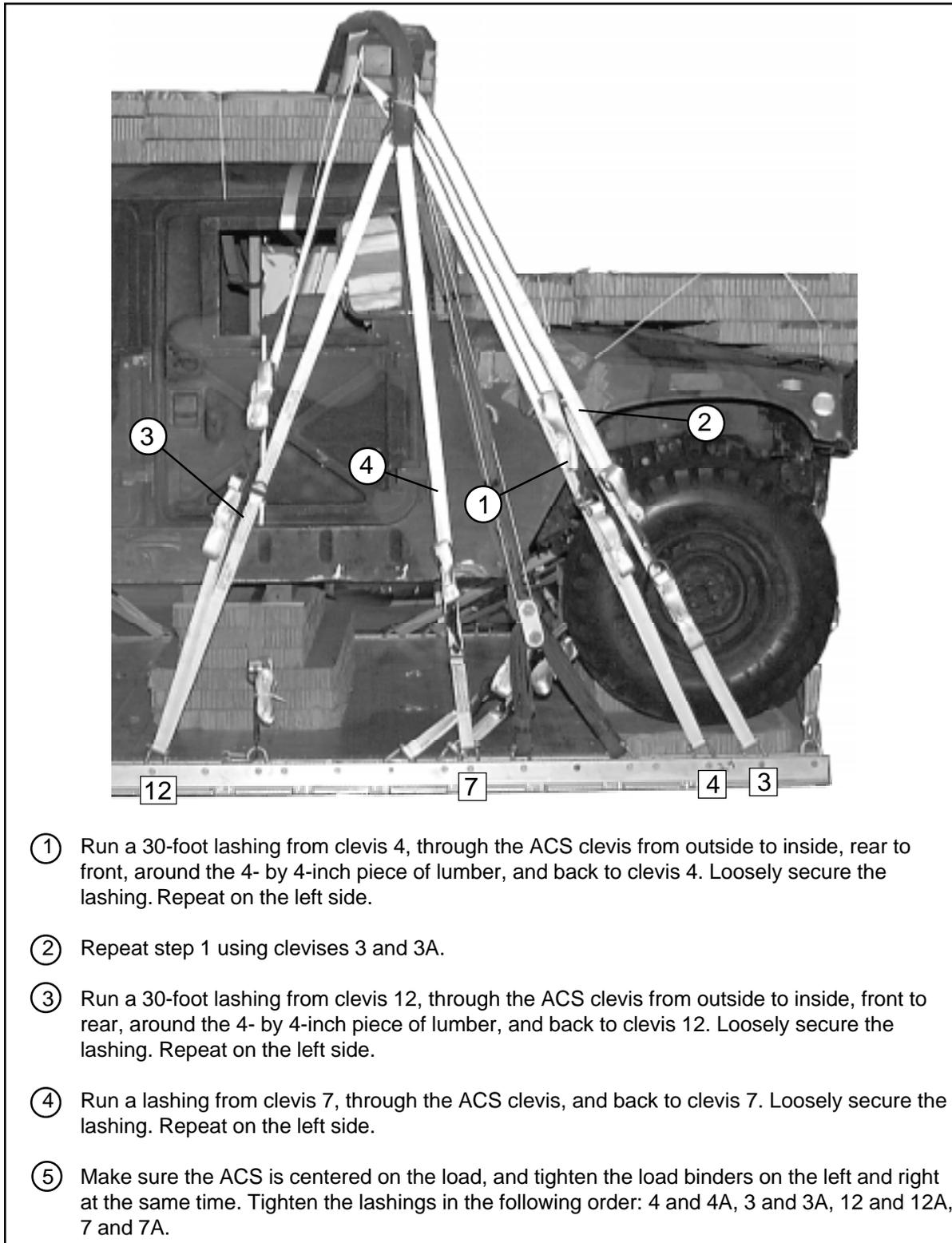
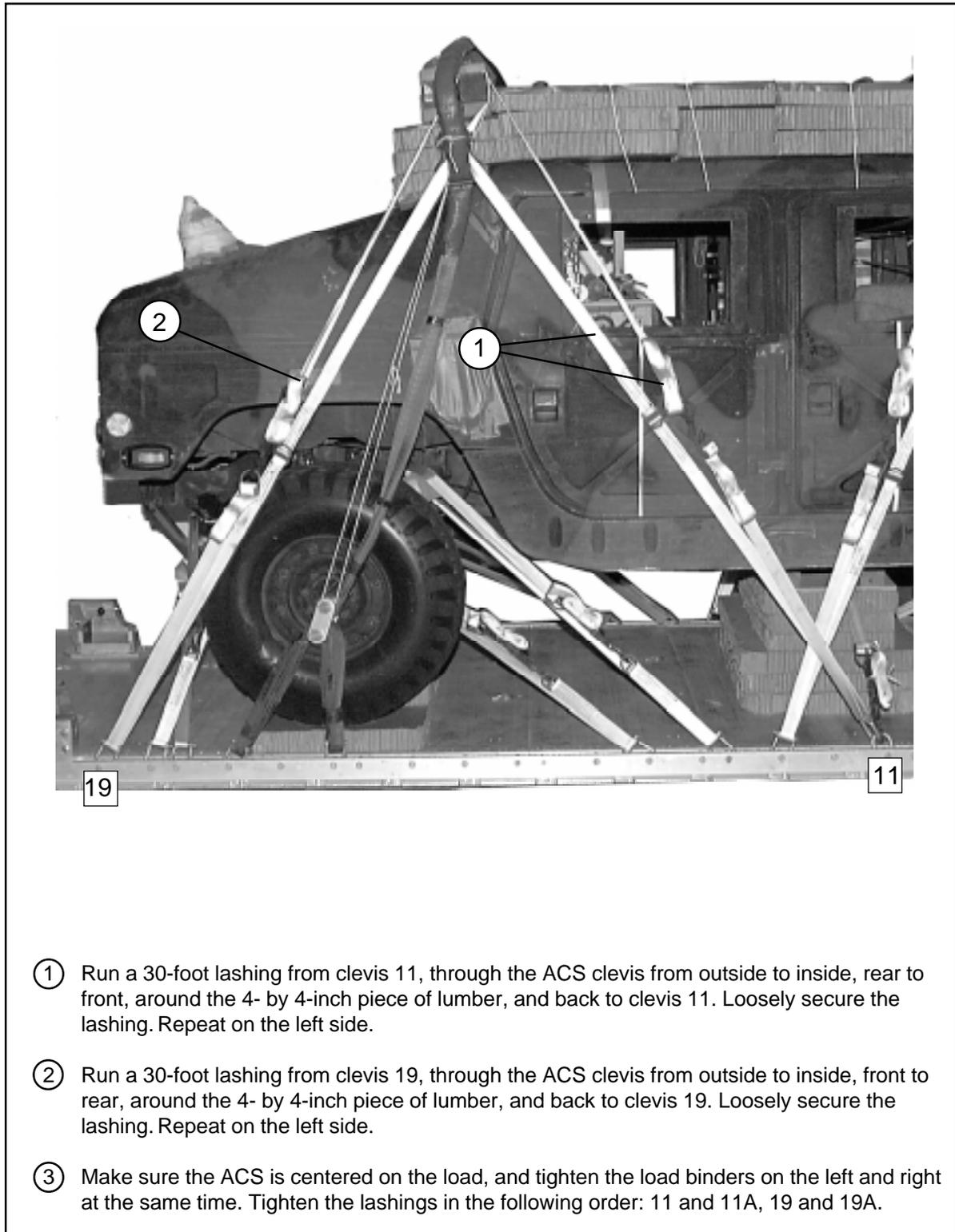


Figure 5-13. Front ACS Secured



- ① Run a 30-foot lashing from clevis 11, through the ACS clevis from outside to inside, rear to front, around the 4- by 4-inch piece of lumber, and back to clevis 11. Loosely secure the lashing. Repeat on the left side.
- ② Run a 30-foot lashing from clevis 19, through the ACS clevis from outside to inside, front to rear, around the 4- by 4-inch piece of lumber, and back to clevis 19. Loosely secure the lashing. Repeat on the left side.
- ③ Make sure the ACS is centered on the load, and tighten the load binders on the left and right at the same time. Tighten the lashings in the following order: 11 and 11A, 19 and 19A.

Figure 5-14. Rear ACS Secured

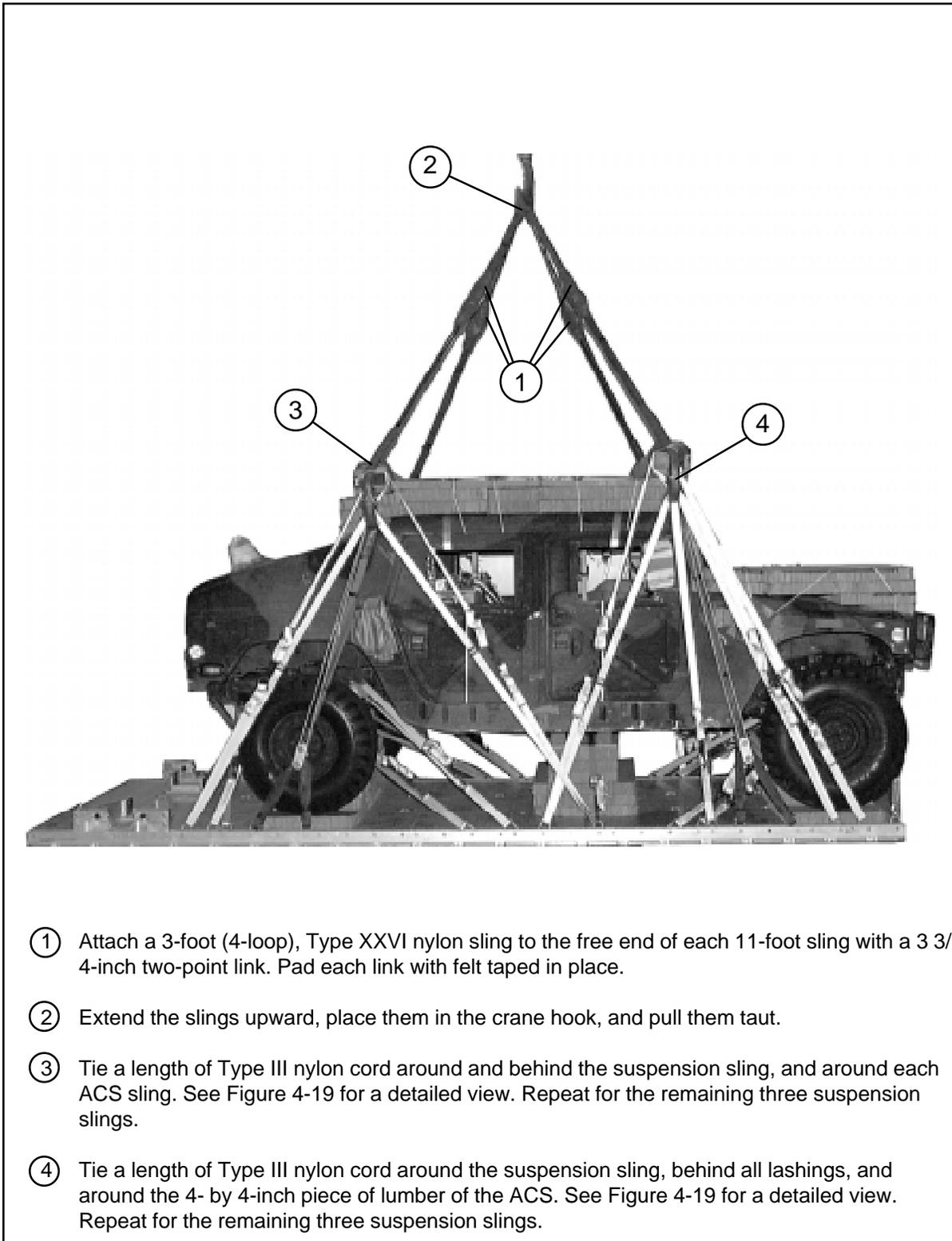


Figure 5-15. Suspension Slings Completed, Raised, Padded, and Secured

INSTALLING OUTRIGGER ASSEMBLIES

5-12. Assemble, install, and safety tie the mast and foot assemblies on the DRAS platform as shown in Chapter 3, Figures 3-33 through 3-36, steps 1 through 3.

STOWING CARGO PARACHUTES

5-13. Prepare, stow, and restrain three G-11D cargo parachutes on the hood of the truck as shown in Chapter 3, and in Figure 5-16.

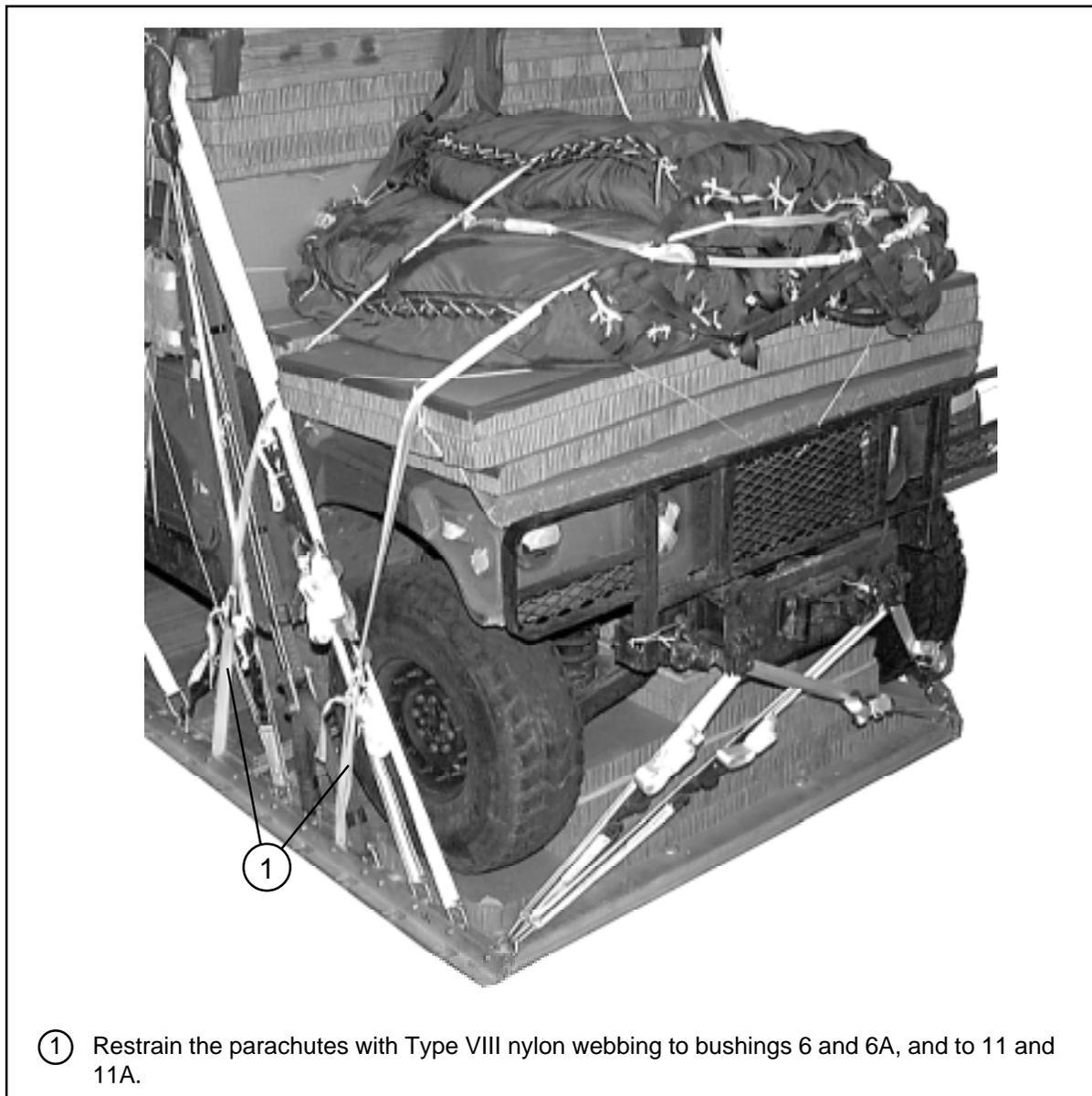


Figure 5-16. Cargo Parachutes Installed

STOWING DEPLOYMENT PARACHUTE

5-14. Prepare, stow, and install the deployment parachute according to Chapter 3, Section IV, and as shown in Figure 5-17.



Figure 5-17. Deployment Parachutes Installed

INSTALLING M-1 RELEASE SYSTEM

5-15. Prepare and install the M-1 parachute release system according to Chapter 3, and as shown in Figure 5-18.

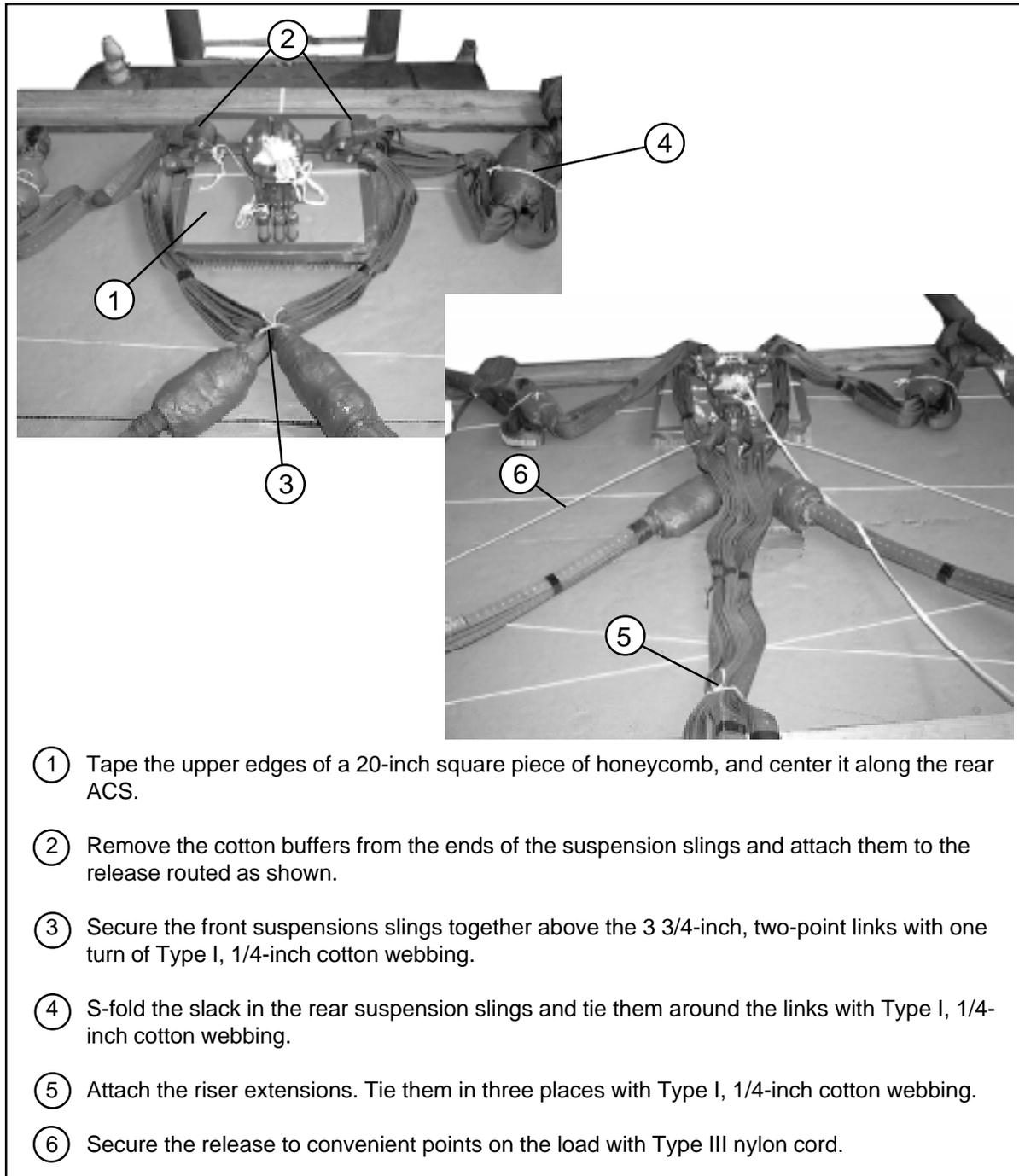


Figure 5-18. M-1 Cargo Parachute Release Installed

INSTALLING MAST RELEASE KNIVES

5-16. Install the mast release knives according to Chapter 3, Figure 3-36, steps 4 through 10 and as shown in Figure 5-19.

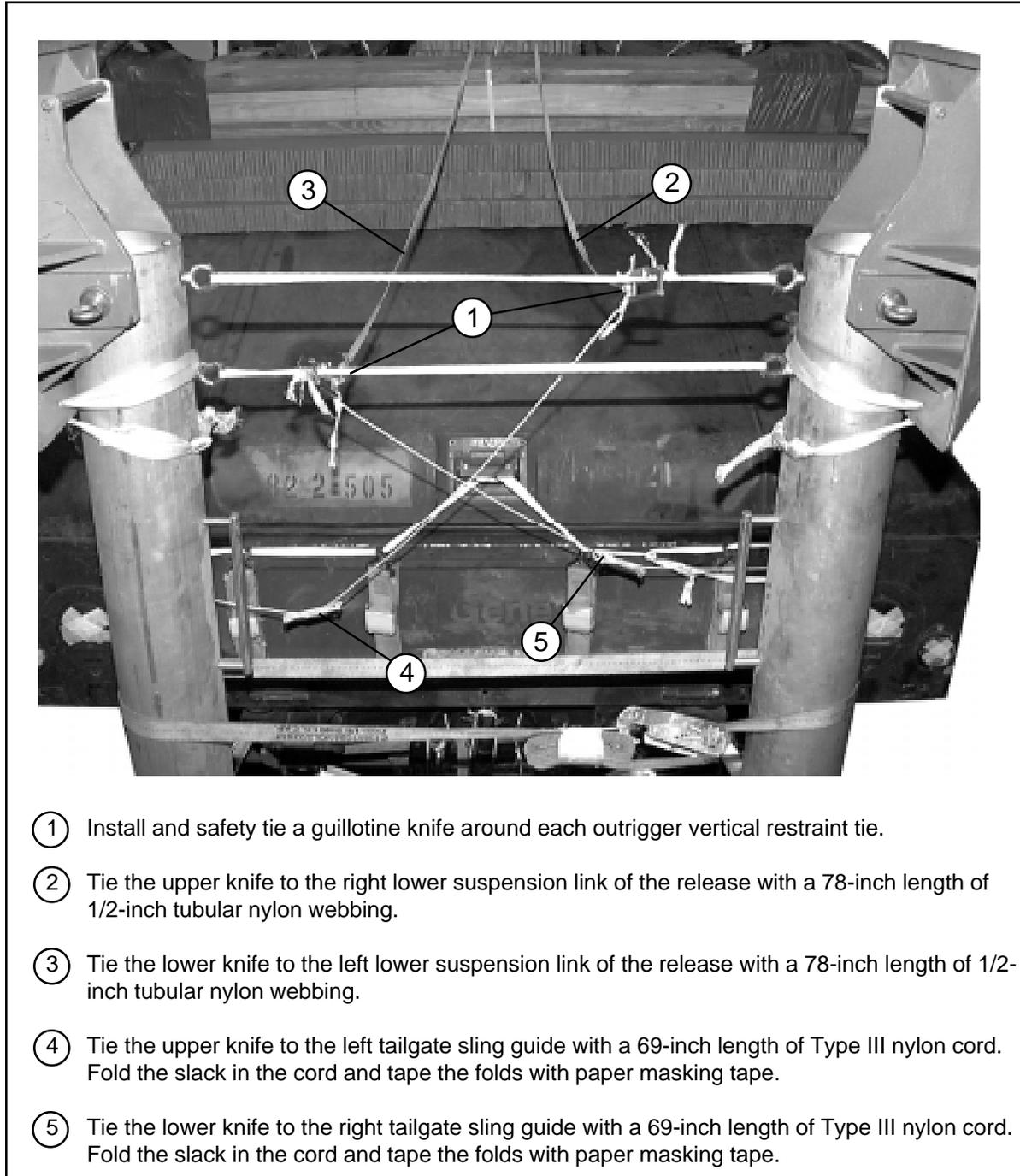


Figure 5-19. Mast Release Knives Installed

MARKING RIGGED LOAD

5-17. Mark the rigged load according to Chapter 3 and as shown in Figures 5-20 and 5-21.

EQUIPMENT REQUIRED

5-18. The equipment required to rig this load is given in Table 5-1.

CAUTION

Make the final rigger inspection required by Chapter 3 of this manual before the load leaves the rigging site.



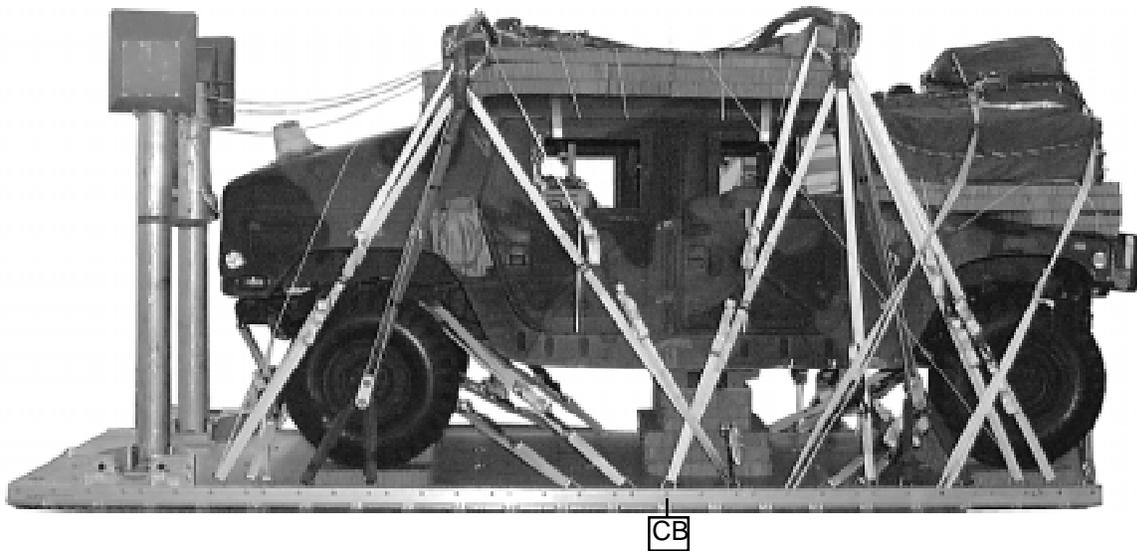
RIGGED LOAD DATA, M1025

Weight: Load shown	12,637 pounds
Maximum load allowed	12,637 pounds
Height (with three G-11D parachutes)	98 inches
Width.....	94 inches
Length (overall)	229 inches
Overhang: Front	13 inches
Rear	0 inches
CB (from front edge of platform)	94 inches

Figure 5-20. M1025 Armament Carrier Rigged for Dual Row Airdrop

CAUTION

Make the final rigger inspection required by Chapter 3 of this manual before the load leaves the rigging site.



RIGGED LOAD DATA, M1121

Weight: Load shown	10,455 pounds
Maximum load allowed	12,637 pounds
Height (with three G-11D parachutes)	98 inches
Width.....	94 inches
Length (overall)	224 inches
Overhang: Front.....	8 inches
Rear	0 inches
CB (from front edge of platform)	86 inches

Figure 5-21. M1121 TOW Carrier Rigged for Dual Row Airdrop

Table 5-1. Rigging M1025 Armament Carrier and M1121 TOW Carrier on a Dual Row Platform for Dual Row Airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive paste, 1-gal	As required
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
4030-00-090-5354	Clevis, large	1
4030-00-678-8562	Clevis, medium	4
	Link assembly:	
	Two-point, 3 3/4-in (for C-17)	9
5306-00-435-8994	Bolt, 1-in diam, 4-in long	18
5310-00-232-5165	Nut, 1-in, hexagonal	18
1670-00-003-1953	Plate, side, 3 3/4-in	18
5365-00-007-3414	Spacer, large	18
	Lumber:	
5510-00-220-6146	2- by 4-in	As required
5510-00-220-6148	2- by 6-in	As required
5510-00-220-6274	4- by 4-in	As required
5530-00-618-8073	Plywood, 3/4-in	5 sheets
	Nail, steel wire, common,	
5315-00-010-4659	8d	As required
5315-00-010-4662	12d	As required
1670-00-753-3928	Pad, energy dissipating, honeycomb, 3- by 36- by 96-in	16 sheets
000-00-000-0000	Static line assembly release away	1
	Parachute:	
	Cargo:	
1670-01-016-7481	G-11D	3
	Cargo extraction:	
1670-00-040-8135	28-foot	1
	Platform, Dual Row, 18-foot	1
1670-01-485-1656	Panel assembly, main	1
1670-01-485-1654	Rail, DRAS	2
1670-01-486-1342	Roller Pad, DRAS	2
1670-01-162-2372	Clevis assembly	38
1670-01-097-8816	Release, cargo parachute, M-1	1

Table 5-1. Rigging M1025 Armament Carrier and M1121 TOW Carrier on a Dual Row Platform for Dual Row Airdrop (continued)

National Stock Number	Item	Quantity
	Sling, cargo airdrop	
	For suspension:	
1670-01-062-6310	11-ft (4-loop), type XXVI nylon webbing	4
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	8
	For deployment:	
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	1
	For riser extension:	
1670-01-062-6313	60-ft (3-loop), type XXVI nylon webbing	2
	For ACS:	
1670-01-063-7761	16-ft (2-loop), type XXVI nylon webbing	2
	For lifting:	
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing	2
1670-01-062-6303	12-ft (2-loop), type XXVI nylon webbing	2
1670-00-040-8219	Strap, parachute release, multicut	2
1670-00-937-0271	Knife release,cargo (guillotine)	2
1670-01-487-5464	Outrigger assembly	2
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tie-down assembly, 15-ft	51
1670-00-725-1437	Tie-down, Cargo, Aircraft, (CGU-1B)	1
	Webbing:	
8305-00-268-2411	Cotton, 1/4-in, type I	As required
	Nylon:	
8305-00-082-5752	Tubular, 1/2-in	As required
8305-00-263-3591	Type VIII	8 yds