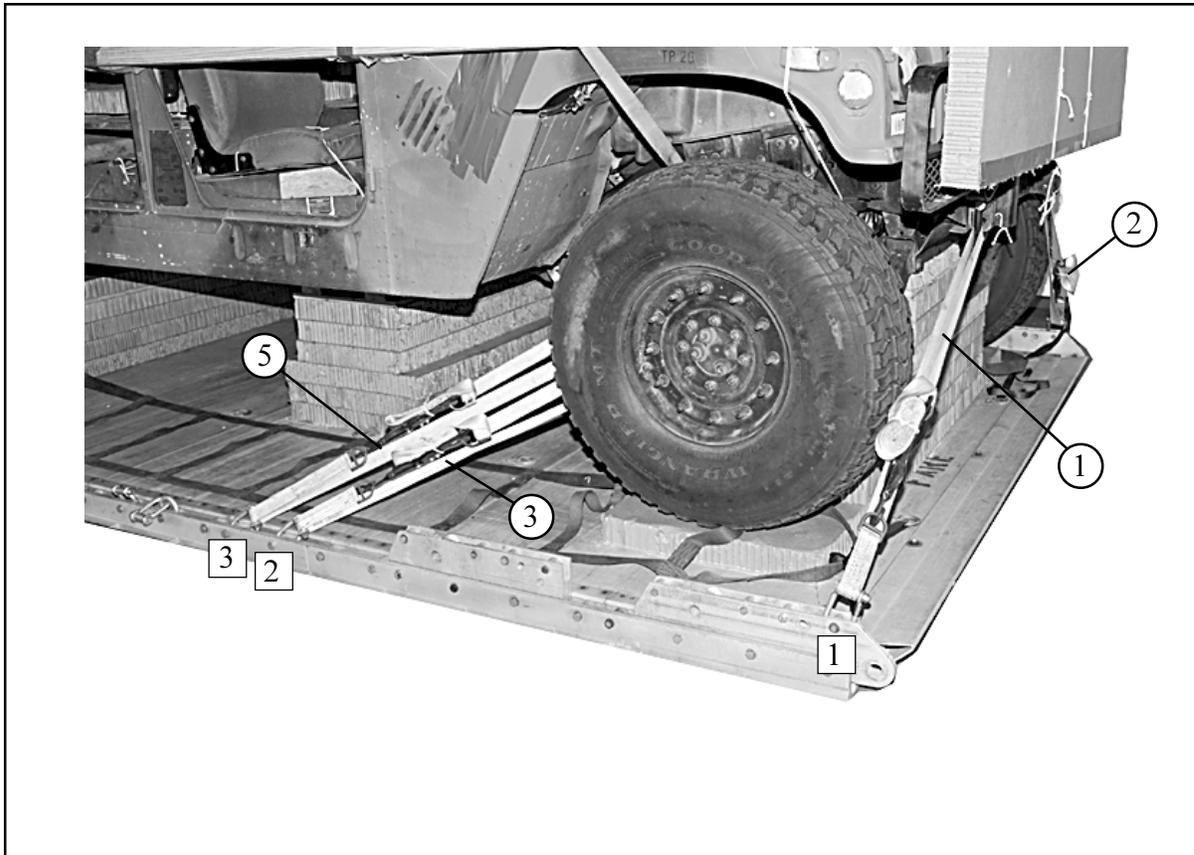


LASHING TRUCKS

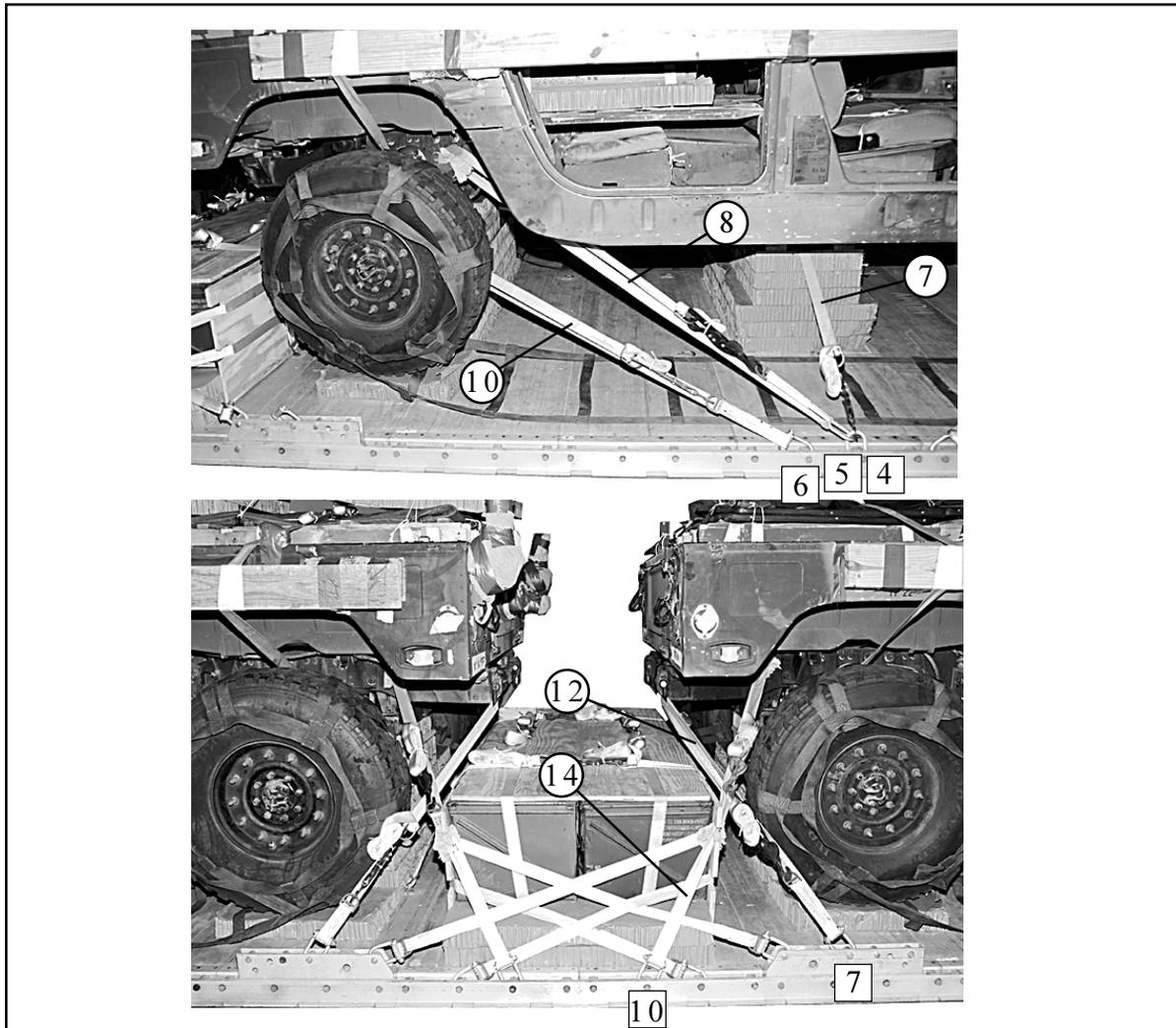
6-8. Lash the trucks to the platform as shown in Figures 6-8 through 6-11, and according to FM 4-20.102/TO 13C7-1-5.

Note: Right and left in this figure refer to the right and left sides of the trucks.



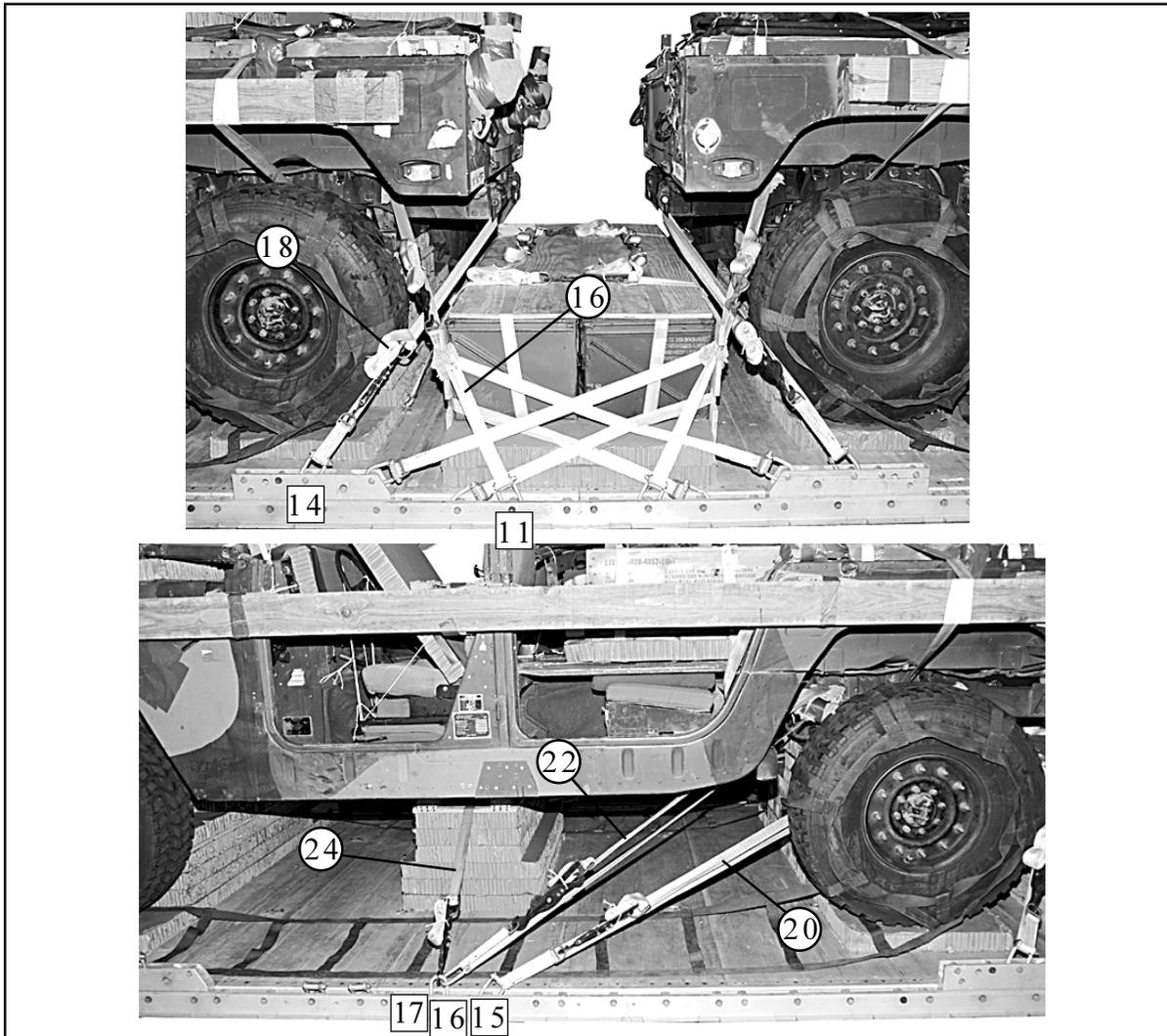
Lashing Number	Tie-down Clevis Number	Instructions
1	1	Pass lashing:
2	1A	Through right lifting shackle on front bumper.
3	2	Through left lifting shackle on front bumper.
4	2A	Around right front lower control arm.
5	3	Around left front lower control arm.
6	3A	Through tie-down bracket behind right front coil spring.
		Through tie-down bracket behind left front coil spring.

Figure 6-8. Lashings 1 Through 6 Installed



Lashing Number	Tie-down Clevis Number	Instructions
7	4 and 4A	Pass lashing: Pass a 15-foot lashing through clevis 4A and through its own D-ring. Pass the lashing through the hole in stack 2. Attach the lashing to clevis 4 with a load binder.
8	5	Around the right upper control arm.
9	5A	Around the left upper control arm.
10	6	Around the right lower control arm.
11	6A	Around the left lower control arm.
12	7	Through the right rear tie-down shackle.
13	7A	Through the left rear tie-down shackle.
14	10	Through the tie-down bracket behind the right rear coil spring.
15	10A	Through the tie-down bracket behind the left rear coil spring.

Figure 6-9. Lashings 7 through 15 Installed



Lashing Number	Tie-down Clevis Number	Instructions
16	11	Pass lashing:
17	11A	Through tie-down bracket behind left rear coil spring.
18	14	Through tie-down bracket behind right rear coil spring.
19	14A	Through left lifting shackle on rear bumper.
20	15	Through right lifting shackle on rear bumper.
21	15A	Around left lower control arm.
22	16	Around right lower control arm.
23	16A	Around left upper control arm.
24	17 and 17A	Around right upper control arm. Pass a 15-foot lashing through clevis 17A and through its own D-ring. Pass the lashing through the hole in stack 6. Attach the lashing to clevis 17 with a load binder.

Figure 6-10. Lashings 16 Through 24 Installed

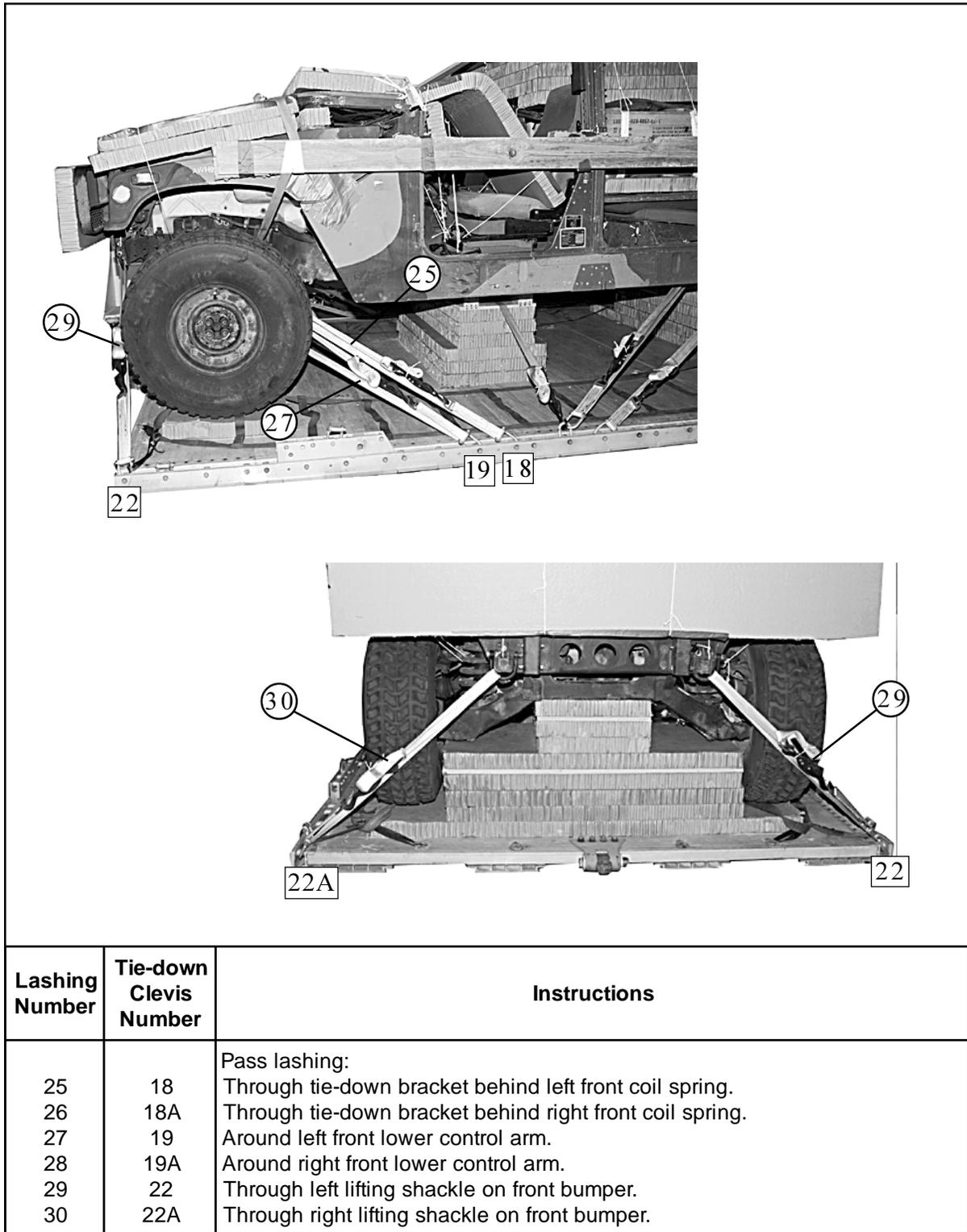


Figure 6-11. Lashings 25 through 30 Installed

INSTALLING AND SAFETY TYING SUSPENSION SLINGS

6-9. Install the suspension slings according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 6-12. Pad and safety tie the suspension slings as shown in Figure 6-13.

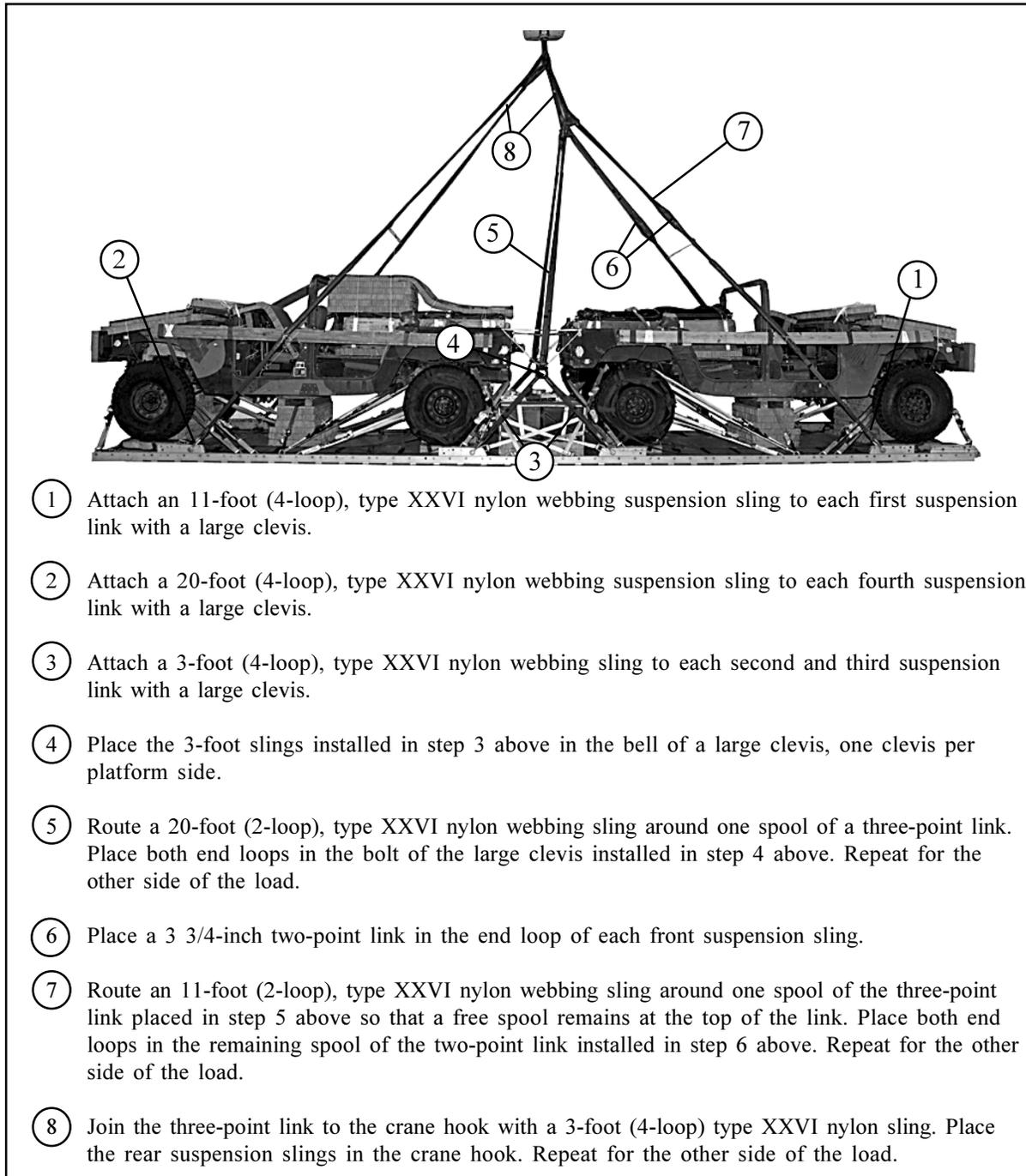
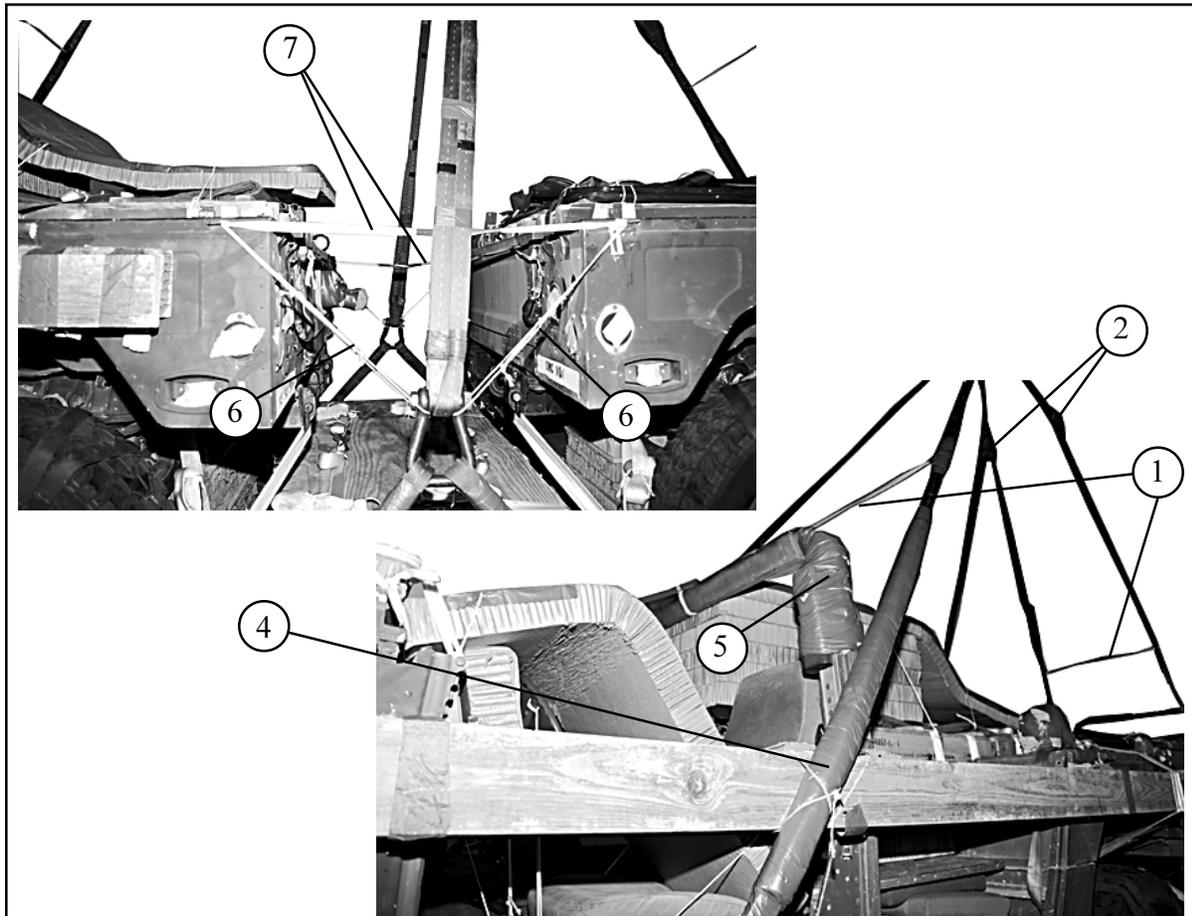


Figure 6-12. Suspension Slings Installed



- ① Make anti-tumble ties on the front and rear suspension slings using the instructions for the deadman's tie in FM 4-20.102/TO 13C7-1-5.
- ② Wrap all links with felt taped in place.
- ③ Wrap the front suspension slings between 50 and 104 inches along the slings with felt taped in place. Secure the slings to the truck sideboards with type III nylon cord (not shown).
- ④ Wrap the rear suspension slings between 47 and 97 inches along the slings with felt taped in place. Secure the slings to the truck sideboards with type III nylon cord.
- ⑤ Pad both truck B-pillars with cellulose wadding and tape in place.
- ⑥ Support the large clevises on both center suspension slings with 1/2-inch tubular nylon webbing tied to convenient points on the trucks.
- ⑦ Tie an additional length of 1/2-inch tubular nylon webbing between convenient points on the two trucks to safety tie the suspension slings to the outside.

Figure 6-13. Suspension Slings Padded and Safety Tied

BUILDING AND INSTALLING PARACHUTE STOWAGE PLATFORM

6-10. Build and install the parachute stowage platform as shown in Figure 6-14.

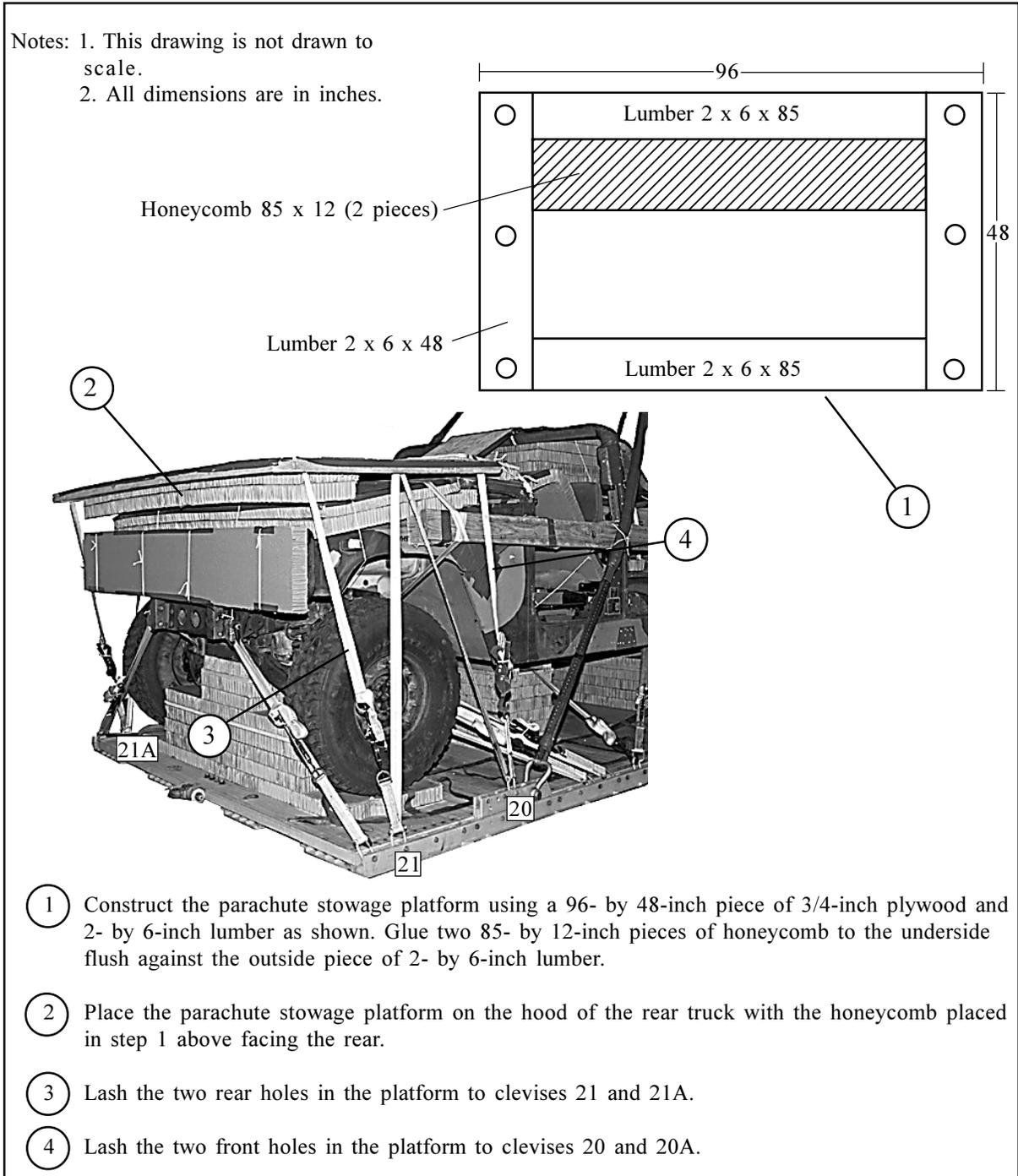


Figure 6-14. Parachute Stowage Platform Constructed and Installed

STOWING CARGO PARACHUTES

6-11. Use five G-11 cargo parachutes on this load. Prepare and stow the cargo parachutes as shown in Figure 6-15.

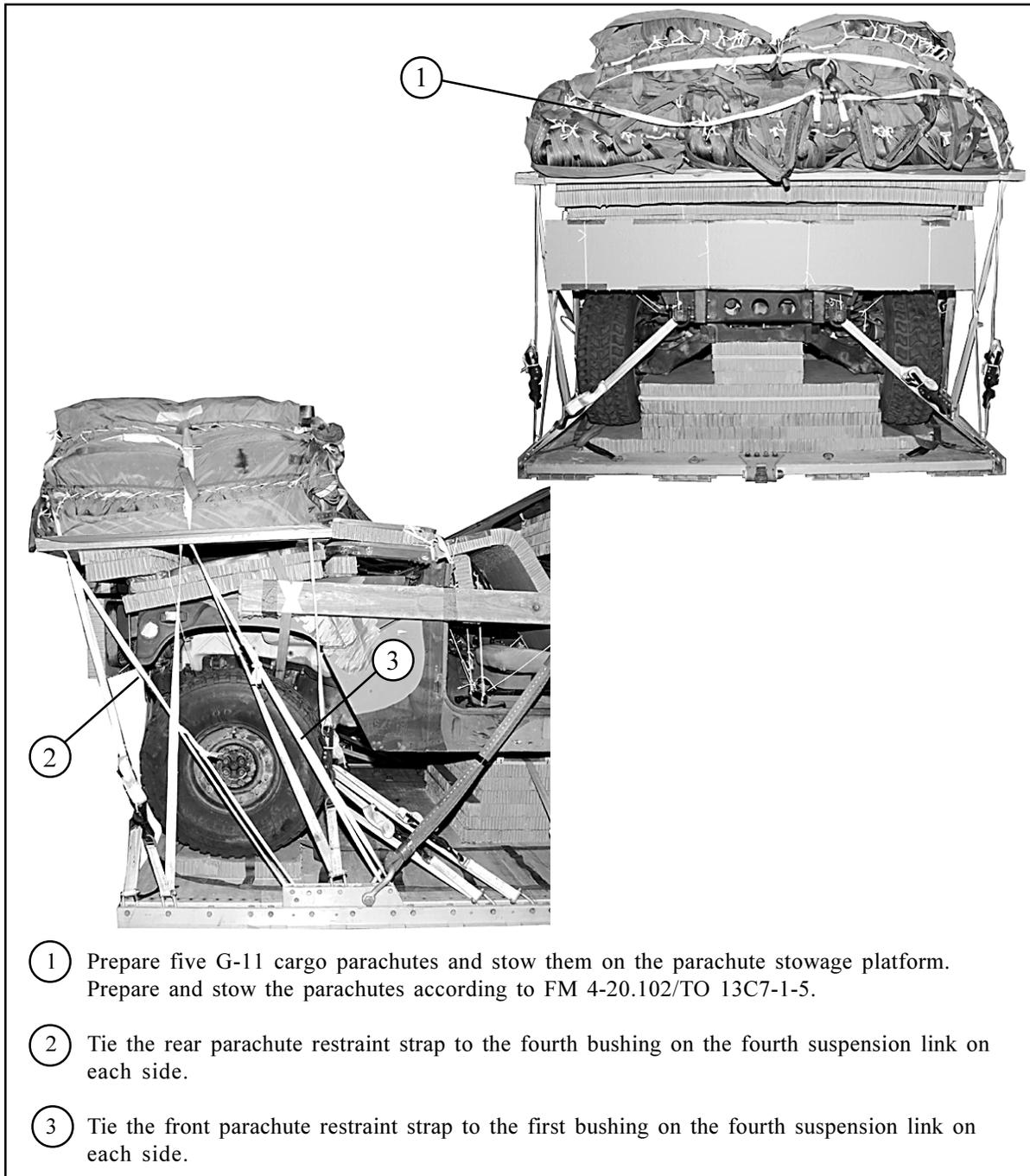
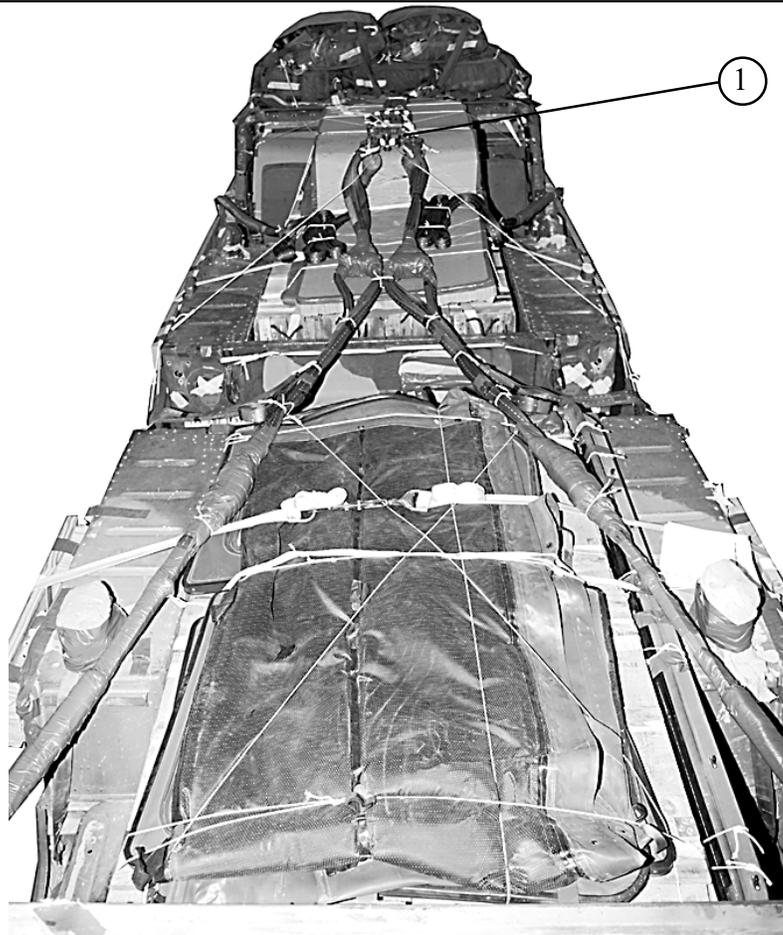


Figure 6-15. G-11 Cargo Parachutes Stowed

INSTALLING PARACHUTE RELEASE

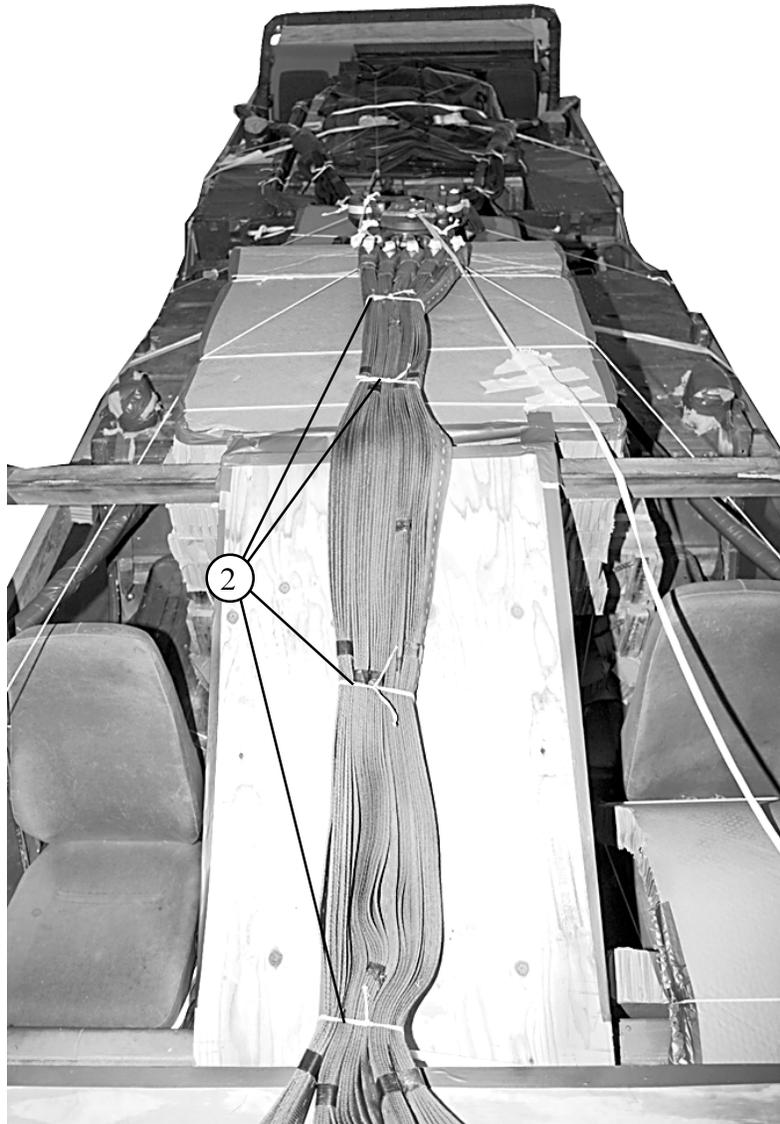
6-12. Prepare and install an M-2 cargo -parachute release according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 6-16.



View from front of load

- ① Place the M-2 release on the parachute release platform. Tie it to convenient points on the load with type III nylon cord.

Figure 6-16. M-2 Cargo Parachute Release Installed



View from rear of load

- ② Tie the riser extensions in four places, equally spaced, with type I, 1/4-inch cotton webbing.

Figure 6-16. M-2 Cargo Parachute Release Installed (continued)

INSTALLING EXTRACTION SYSTEM

6-13. Install the EFTC according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 6-17.

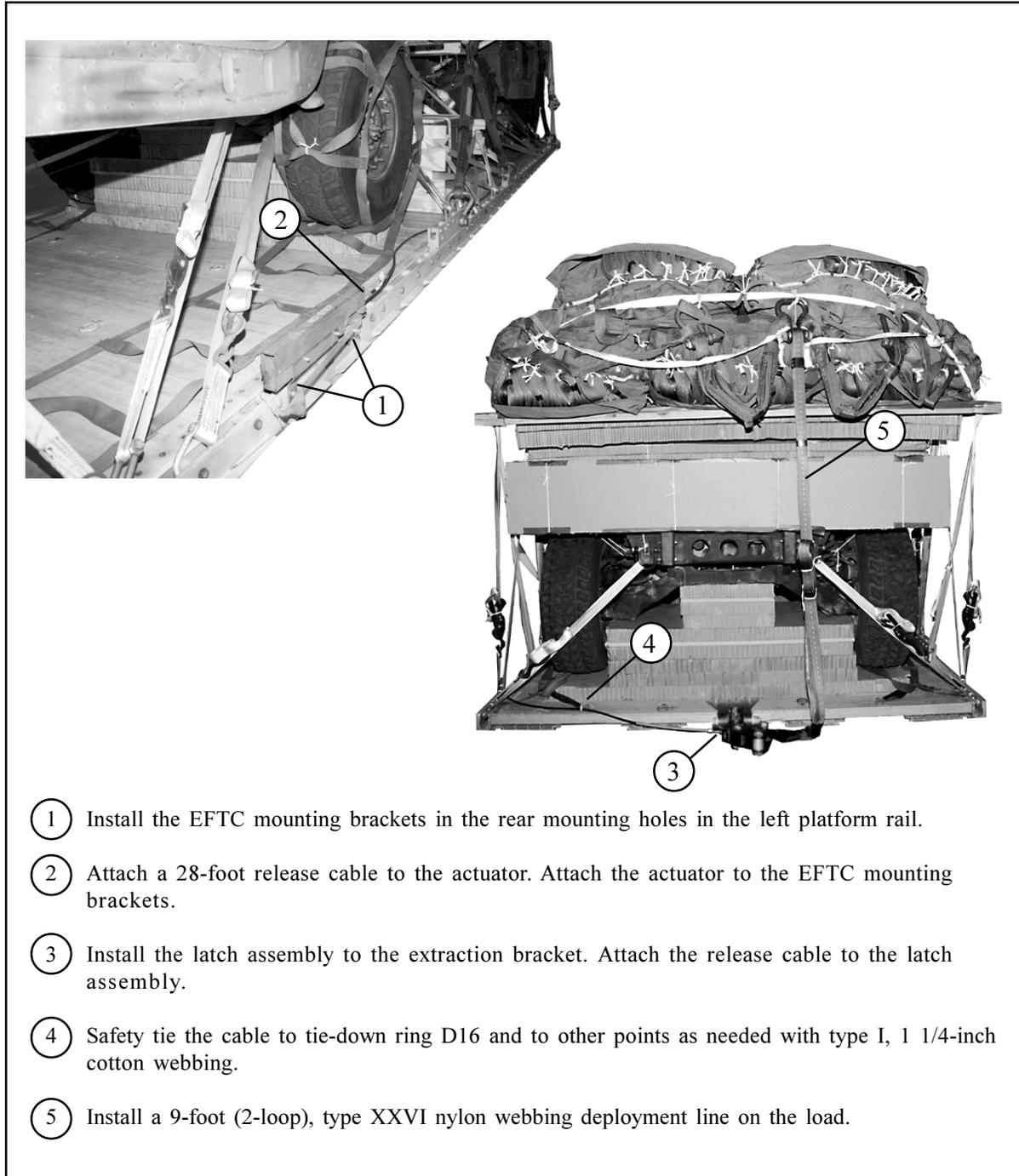


Figure 6-17. EFTC Installed

INSTALLING PROVISIONS FOR EMERGENCY RESTRAINTS

6-14. Select and install provisions for emergency restraint according to the emergency aft restraint requirements table in FM 4-20.102/TO 13C7-1-5.

PLACING EXTRACTION PARACHUTE

6-15. Select the extraction parachute and extraction line needed using the extraction line requirements table in FM 4-20.102/TO13C7-1-5. Rig the extraction line in an extraction line bag according to TM 10-1670-286-20/TO 13C5-2-41. Place the extraction parachute and extraction line on the load for installation in the aircraft.

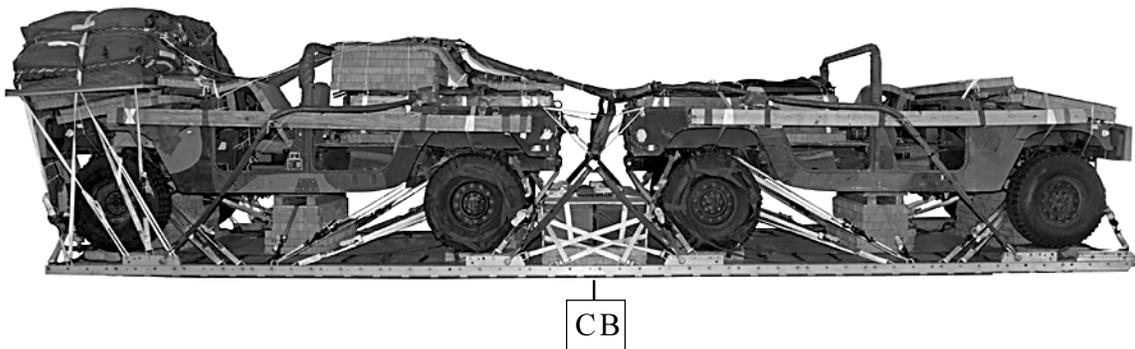
MARKING RIGGED LOAD

6-16. Mark the rigged load according to FM 4-20.102/TO 13C7-1-5 and as shown in Figure 6-18. Complete Shipper's Declaration for Dangerous Goods according to AFJMAN 24-204/TM 38-250. If the load varies from the one shown, the weight, height, CB, tip-off curve, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

6-17. Use the equipment listed in Table 6-1 to rig this load. The equipment for rigging an accompanying load in the trucks is NOT given in Table 6-1.

CAUTION
 Make the final rigger inspection required by FM 4-20.102/TO 13C7-1-5
 before the load leaves the rigging site.



RIGGED LOAD DATA

Weight: Load shown	21,200 pounds
Maximum load allowed	26,250 pounds
Height (with five G-11 parachutes)	96 inches
Width	108 inches
Length (overall)	409 inches
Overhang: Front	0 inches
Rear (EFTC).....	18 inches
CB (from front edge of platform)	207 inches

Figure 6-18. Two M998 Trucks and Ammunition Rigged on a 32-Foot Type V Platform

Table 6-1. Equipment Required for Rigging Two M998 Trucks and Ammunition for Low-Velocity Airdrop

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
4030-00-090-5354	Clevis, suspension, 1-in (large)	18
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-01-326-7309	Coupling assembly, airdrop, extraction force transfer with cable, 28-ft	1
1670-00-360-0328	Cover: Clevis, large	5
8135-00-664-6958	Cushioning material, packaging, cellulose wadding	As required
8305-00-958-3685	Felt, 1/2-in thick	As required
1670-01-183-2678	Leaf, extraction line (line bag)	2
1670-01-062-6313	Line, drogue (for C-17) 60-ft (3-loop), type XXVI	1
1670-01-062-6313	Line, extraction: For C-130: 60-ft (3-loop), type XXVI	1
1670-01-107-7651	For C-141: 140-ft (3-loop), type XXVI	1
1670-01-062-6313	For C-5: 60-ft, (3-loop), type XXVI and	1
1670-01-107-7651	140-ft (3-loop), type XXVI	1
1670-01-107-7651	For C-17: 140-ft (3-loop), type XXVI	1
5306-00-435-8994	Link Assembly: Two-point: Bolt, 1-in diam, 4-in long	3 (6)
5310-00-232-5165	Nut, 1-in, hexagonal	(6)
1670-00-003-1953	Plate, side, 3 3/4-in	(6)
5365-00-007-3414	Spacer, large	(6)
5510-00-220-6448	Lumber: 2- by 6-in	As required
5510-00-220-6274	4- by 4-in	As required
5315-00-010-4659	Nail, steel wire, 8d	As required

Table 6-1. Equipment Required for Rigging Two M998 Trucks and Ammunition for Low-Velocity Airdrop (continued)

National Stock Number	Item	Quantity
1670-00-753-3928	Pad, energy-dissipating (honeycomb) 3- by 36- by 96-in	28 sheets
1670-01-016-7841	Parachute: Cargo: G-11B	5
1670-00-040-8135	Cargo extraction: 28-ft (Add H-block for use with C-17 aircraft)	1
1670-01-063-3715	Drogue (for C-17) 15-ft	1
1670-01-353-8425	Platform, airdrop, type V, 32-ft Bracket assembly, EFTC	(1)
1670-01-162-2372	Clevis assembly, type V	(46)
1670-01-162-2376	Bracket assembly, extraction	(1)
1670-01-247-2389	Link, suspension bracket, type V	(8)
1670-01-162-2381	Tandem link assembly (Multipurpose link)	(2)
5530-00-128-4981	Plywood, 3/4-in	7 sheets
1670-01-097-8817	Release, cargo parachute, M-2	1
1670-01-062-6306	Sling, cargo, airdrop For suspension: 3-ft (4-loop), type XXVI nylon webbing	6
1670-01-063-7760	11-ft (2-loop), type XXVI nylon webbing	2
1670-01-062-6310	11-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6302	20-ft (2-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6304	For lifting: 9-ft (2-loop), type XXVI nylon webbing	2
1670-01-062-6303	12-ft (2-loop), type XXVI nylon webbing	2
1670-01-062-6304	For deployment: 9-ft (2-loop), type XXVI nylon webbing	1
1670-01-062-6311	For riser extension: 120-ft (2-loop), type XXVI nylon webbing	5
5340-00-040-8219	Strap, parachute release, multi-cut, comes w/ 3 knives	2
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tie-down assembly, 15-foot	58
1670-01-344-0825	Vehicle drive-off aid	2
8305-00-268-2411	Webbing: Cotton, 1/4-in, type I	As required
8305-00-082-5752	Nylon, tubular, 1/2-in	As required
No NSN	Type V	As required
8305-00-263-3591	Type VIII	As required