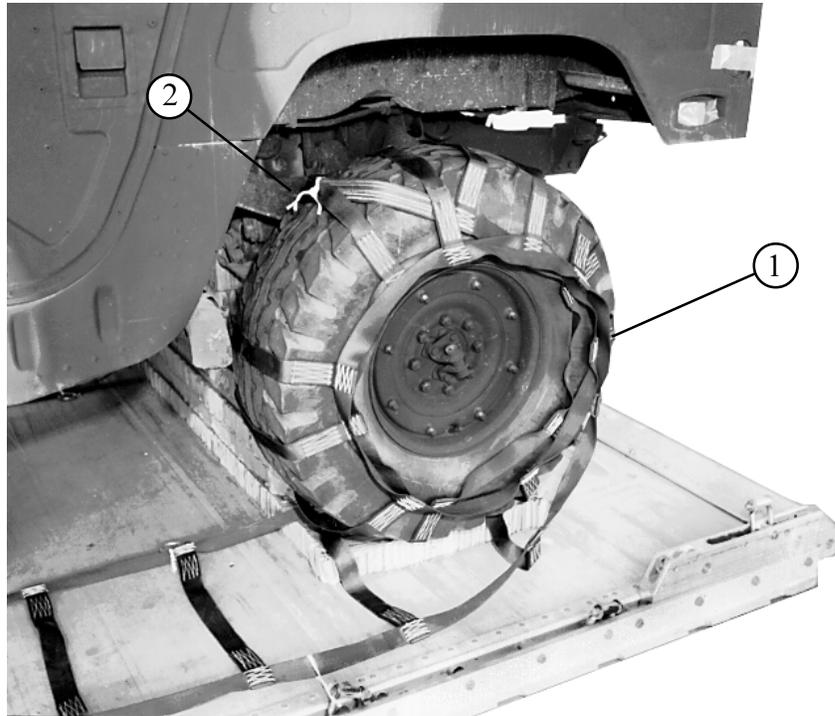


Figure 2-16. Lifting Slings Installed and Truck Positioned (continued)

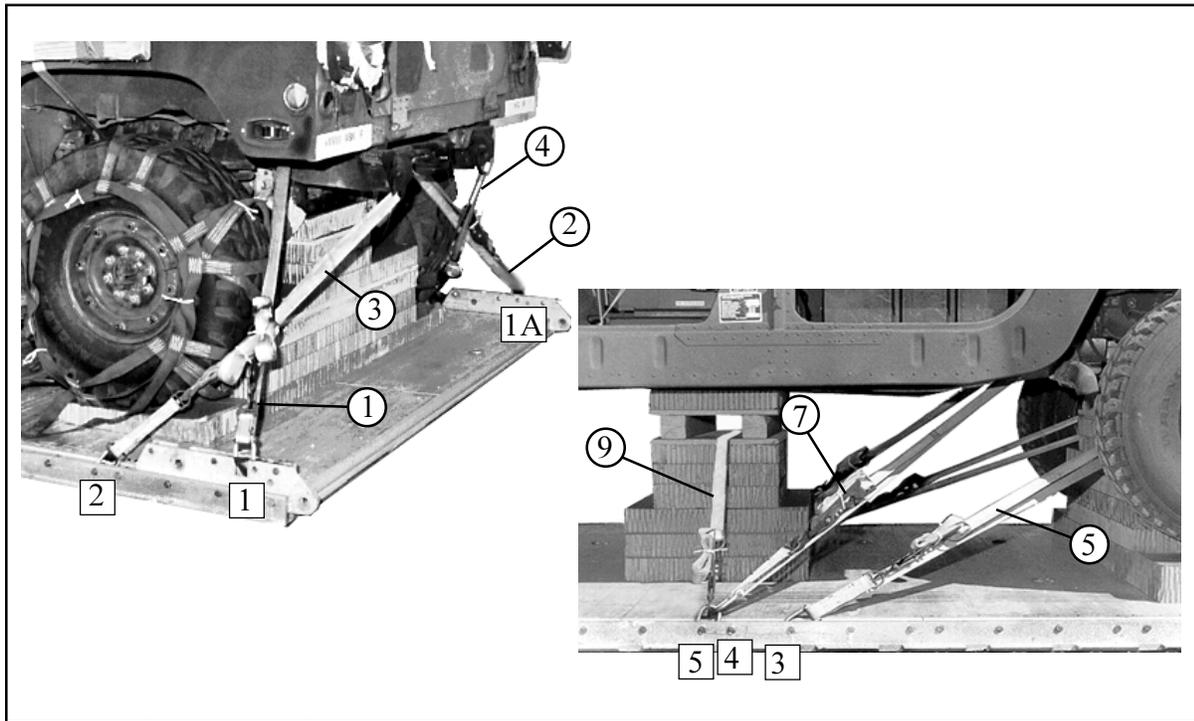


- ① Place a drive-off aid under the right wheel. Holding the drive-off aid against the wheel, turn the wheel counter-clockwise until the drive-off aid is under slight tension. Repeat for the other side, but turn the wheel clockwise.
- ② Tie the end loop of each drive-off aid to the nearest cross-piece with a double length of type I, 1/4-inch cotton webbing.

**Figure 2-17. Drive-off Aids Attached to Wheels**

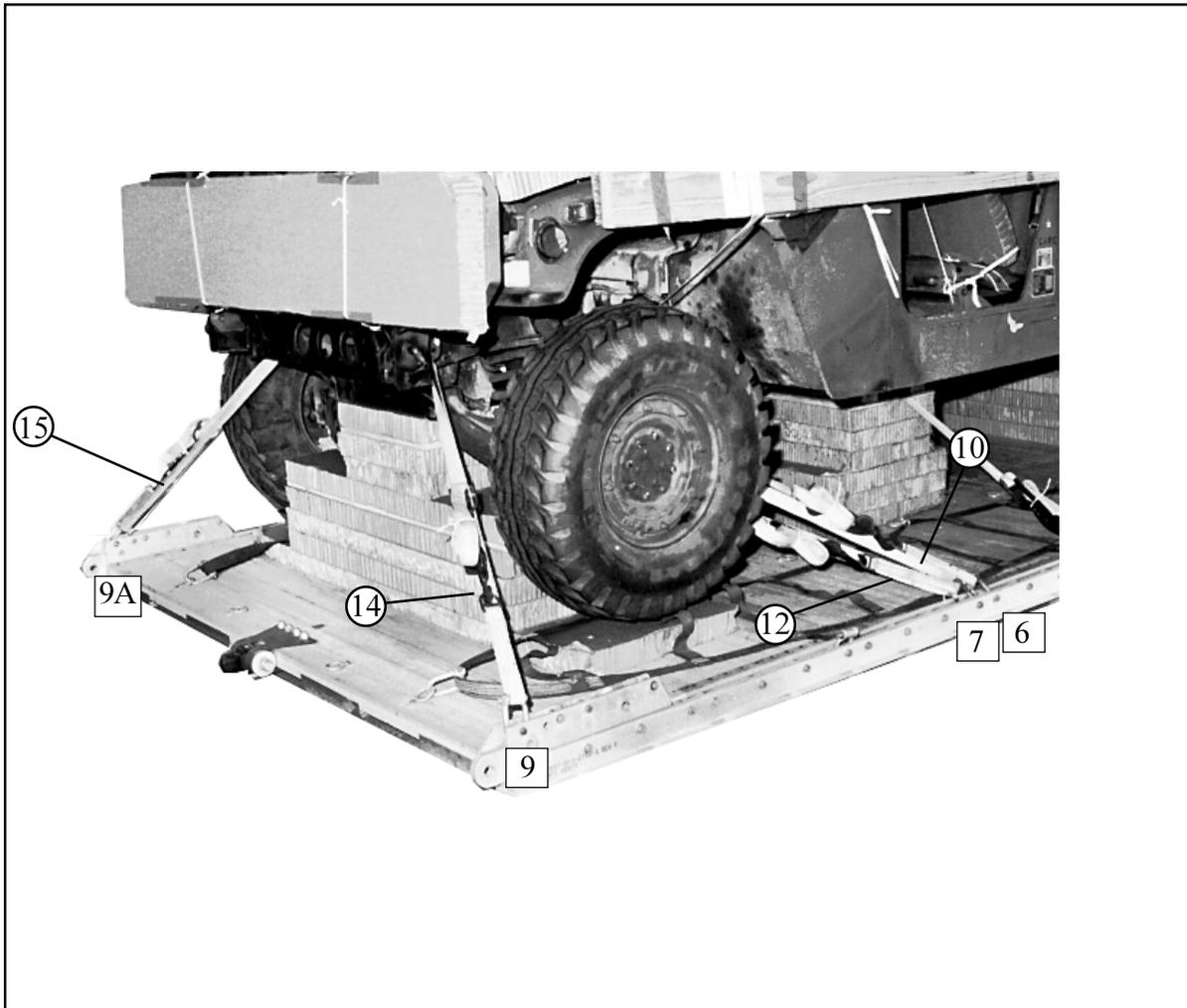
**LASHING TRUCK**

2-8. Lash the truck to the platform with fifteen 15-foot tie-down assemblies. Install the lashings according to FM 4-20.102/TO 13C7-1-5, and as shown in Figures 2-18 and 2-19.



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

**Figure 2-18. Lashings 1 through 9 Installed**

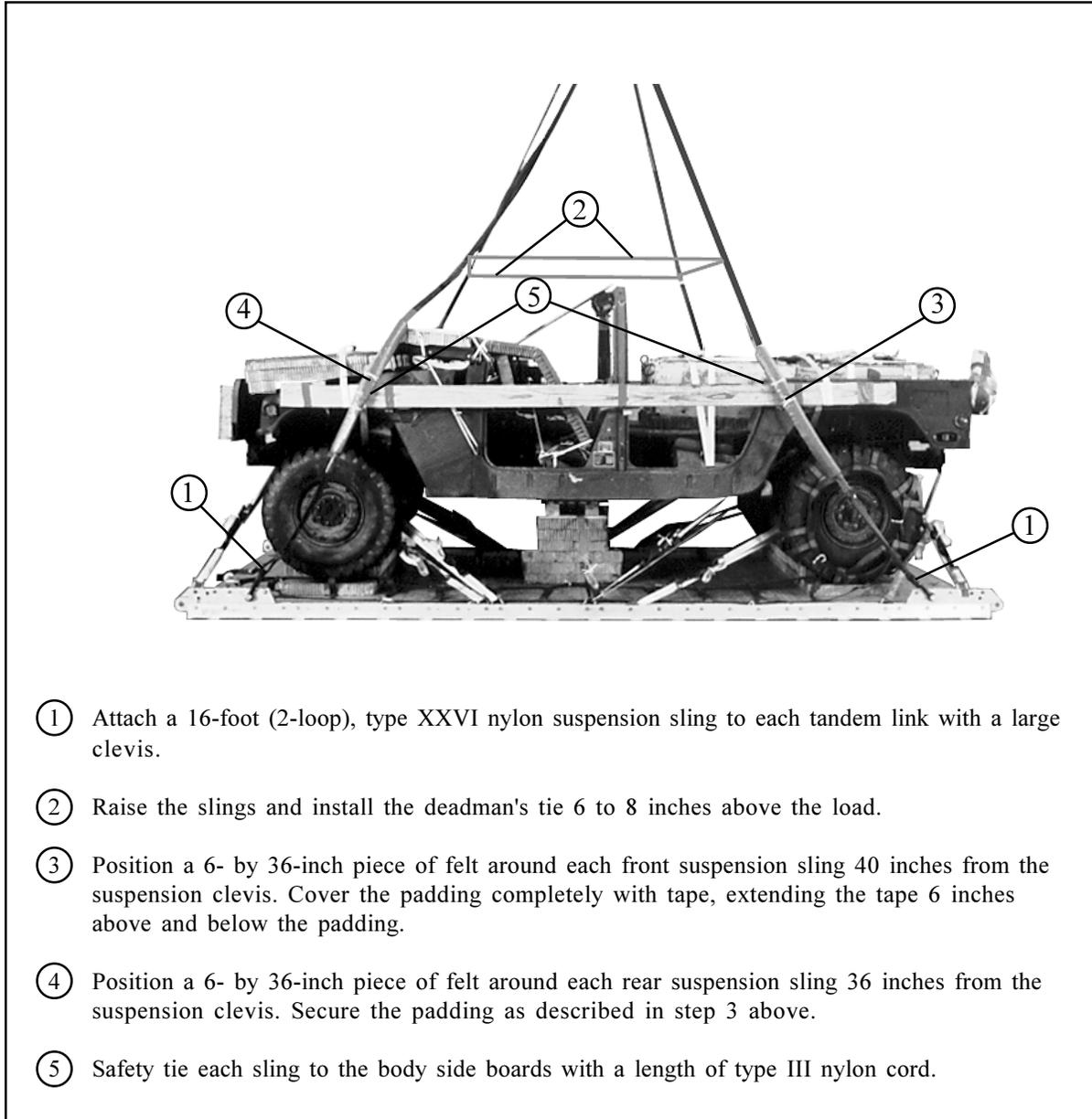


Lashing Number	Tie-down Clevis Number	Instructions
10	6	Pass lashing:
11	6A	Through tie-down bracket behind left front coil spring.
12	7	Through tie-down bracket behind right front coil spring.
13	7A	Around left lower control arm.
14	9	Around right lower control arm.
15	9A	Through tie-down bracket on end of left frame rail.
		Through tie-down bracket on end of right frame rail.

Figure 2-19. Lashings 10 through 15 Installed

## INSTALLING AND SAFETY TYING SUSPENSION SLINGS

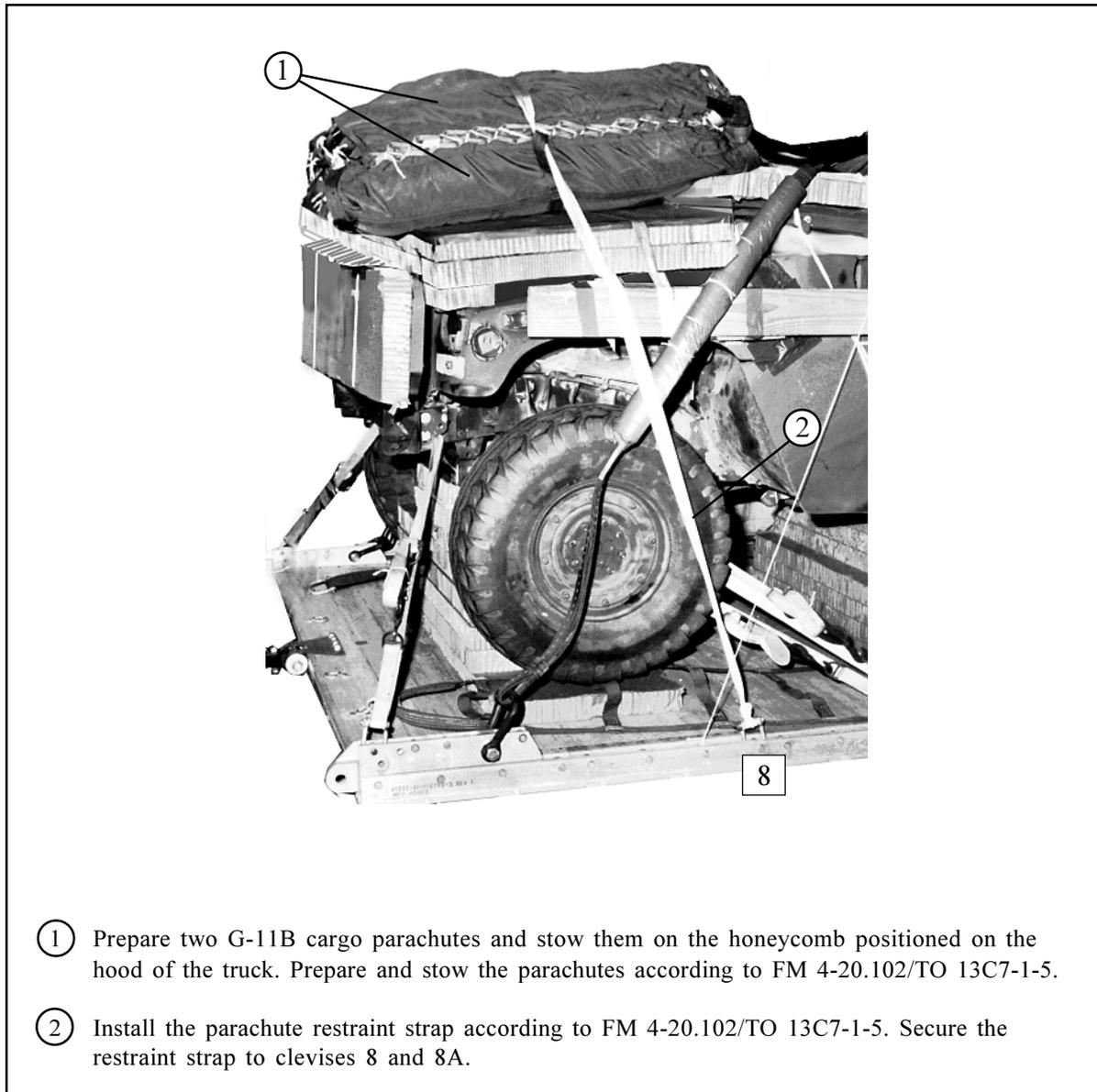
2-9. Install and safety tie four 16-foot (2-loop), type XXVI nylon webbing suspension slings according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 2-20.



**Figure 2-20. Suspension Slings Installed, Padded, and Safety Tied**

**STOWING CARGO PARACHUTES**

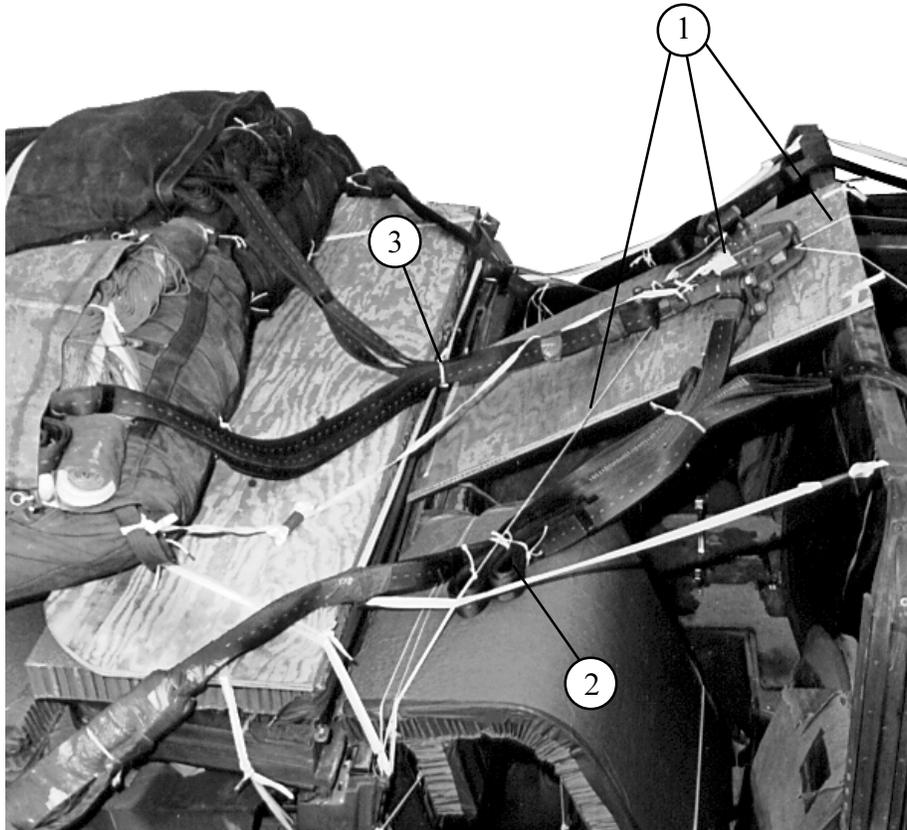
2-10. Use two G-11 cargo parachutes on this load. Prepare and stow the cargo parachutes as shown in Figure 2-21.



**Figure 2-21. G-11 Cargo Parachutes Stowed**

## INSTALLING PARACHUTE RELEASE

2-11. Prepare and install an M-1 cargo parachute release according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 2-22.



- ① Place the M-1 release on the 3/4- by 24- by 42-inch plywood over the driver compartment. Secure it to convenient points on the load with type III nylon cord.
- ② S-fold any slack in the suspension slings. Tie the folds in place with type I, 1/4-inch cotton webbing.
- ③ Tie the riser extensions together with a length of type I, 1/4-inch cotton webbing.

**Figure 2-22. M-1 Cargo Parachute Release Installed**

## INSTALLING EXTRACTION SYSTEM

2-12. Install the extraction force transfer coupling (EFTC) according to FM 4-20.102/TO 13C7-1-5, and as shown in Figure 2-23.

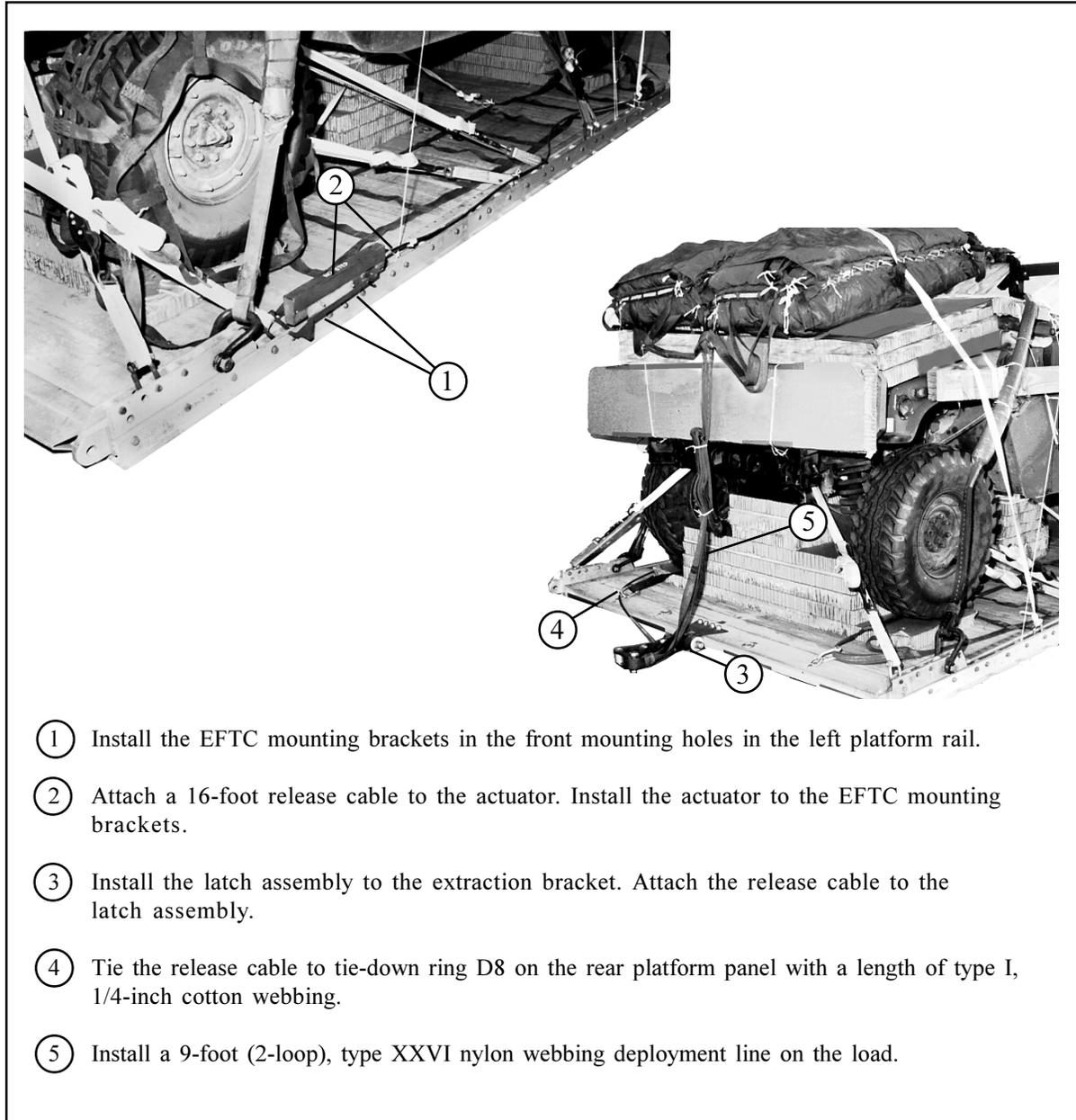


Figure 2-23. EFTC Installed

## **INSTALLING PROVISIONS FOR EMERGENCY RESTRAINTS**

2-13. 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**

2-14. 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**

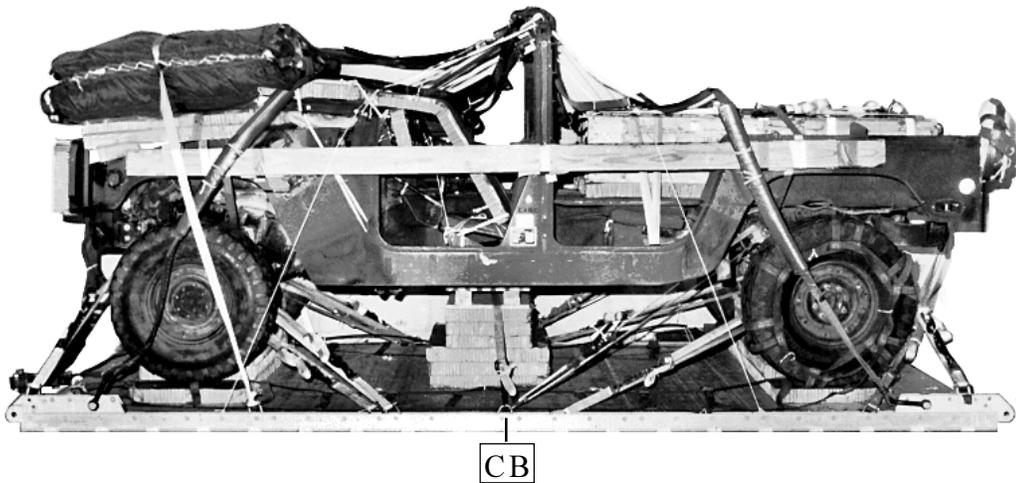
2-15. Mark the rigged load according to FM 4-20.102/TO 13C7-1-5 and as shown in Figure 2-24. Complete Shipper's Declaration for Dangerous Goods according to AFJMAN 24-204/TM 38-250. If the load varies from the one shown, the weight, height, CB, tip-off curve, and parachute requirements must be recomputed.

## **EQUIPMENT REQUIRED**

2-16. Use the equipment listed in Table 2-1 to rig this load. The equipment for rigging an accompanying load is NOT given in Table 2-1.

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

Note: This load includes a 1,800-pound accompanying load.



**RIGGED LOAD DATA**

Weight: Load shown .....	9,750 pounds
Maximum load allowed .....	10,500 pounds
Height (with two G-11B parachutes).....	86 inches
Width.....	108 inches
Length (overall) .....	215 inches
Overhang: Front .....	0 inches
Rear (EFTC).....	.18 inches
CB (from front edge of platform) .....	95 inches

**Figure 2-24. M998 Cargo/Troop Carrier Rigged for Low-Velocity Airdrop**

**Table 2-1. Equipment Required for Rigging the M998 Cargo/Troop Carrier on a 16-Foot Platform**

National Stock Number	Item	Quantity
8040-00-273-8713	Adhesive, paste, 1-gal	As required
4030-00-090-5354	Clevis, suspension, 1-in (large)	5
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5785	Coupling assembly, airdrop, extraction force transfer with cable, 16-ft	1
1670-00-360-0328	Cover: Clevis, large	1
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	1 (2)
5310-00-232-5165	Nut, 1-in, hexagonal	(2)
1670-00-003-1953	Plate, side, 3 3/4-in	(2)
5365-00-007-3414	Spacer, large	(2)
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 2-1. Equipment Required for Rigging the M998 Cargo/Troop Carrier on a 16-Foot Platform (continued)**

National Stock Number	Item	Quantity
1670-00-753-3928	Pad, energy-dissipating (honeycomb) 3- by 36- by 96-in	10 sheets
1670-01-016-7841	Parachute: Cargo: G-11B	2
1670-01-063-3716	Cargo extraction: 22-ft (for C-17, use H-block with this parachute.) Drogue (for C-17)	1
1670-01-063-3715	15-ft	1
1670-01-353-8425	Platform, airdrop, type V, 16-ft Bracket assembly, coupling	(1)
1670-01-162-2372	Clevis assembly, type V	(20)
1670-01-162-2376	Extraction bracket assembly	(1)
1670-01-162-2381	Tandem link assembly (Multipurpose link)	(4)
5530-00-128-4981	Plywood, 3/4-in	3 sheets
1670-01-097-8816	Release, cargo parachute, M-1	1
1670-01-063-7761	Sling, cargo, airdrop For suspension: 16-ft (2-loop), type XXVI nylon webbing	4
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
1670-01-062-6302	For riser extension: 20-ft (2-loop), type XXVI nylon webbing	2
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	19
1670-01-344-0825	Vehicle drive-off aid	1
8305-00-268-2411	Webbing: Cotton, 1/4-in, type I	As required
8305-00-082-5752	Nylon, tubular, 1/2-in	As required
8305-00-263-3591	Type VIII	As required