

CHAPTER 6

CERTIFIED DUAL-POINT RIGGING PROCEDURES FOR HOWITZERS AND WEAPONS SYSTEMS

6-1. INTRODUCTION

This chapter contains rigging procedures for dual-point howitzer and weapon system loads that have been certified for sling load. Each rigging procedure is found in a paragraph that includes a description of the load, materials required for rigging, and steps to complete the procedure. An applicability paragraph is also a part of each paragraph and identifies the certified loads. The certified

dual-point rigging procedures for howitzer and weapon system loads are in this section. Paragraphs 6-2 through 6-7 give detailed instructions for rigging loads.

NOTE: Reach Pendants may be used on dual point loads. Place a Reach Pendant on each apex fitting. A static discharge person is not required when using a Reach Pendant.

6-2. M101A1 Howitzer, 105-mm, with or without A-22 Cargo Bags

a. Applicability. The following items in Table 6-1 are certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-1. M101A1 Howitzer, 105-mm, with or without A-22 Cargo Bags

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
M101A1 Howitzer	4,980	10K	30/30	CH-47	120
M101A1 Howitzer with 1 A-22 Cargo Bag	7,180	25K	12/12	CH-47	120
M101A1 Howitzer with 2 A-22 Cargo Bags	9,380	25K	12/12	CH-47	120
M101A1 Howitzer with 3 A-22 Cargo Bags	11,580	25K	12/12	CH-47	120

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

(1) Sling set (10,000- or 25,000-pound capacity) with one additional apex fitting for the sling set being used.

NOTE: Because of the additional weight of the A-22 cargo bags use the 25,000-pound capacity sling set when sling loading howitzers with accompanying loads.

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

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

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

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

(6) Additional sling leg assemblies (2,500-pound capacity) from 10,000-pound capacity sling sets (one per A-22 cargo bag).

(7) Additional apex fitting (one per accompanying load).

(8) Bag, cargo, A-22 (as required).

c. Personnel. Two persons can prepare and rig this load in 10 minutes.

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

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

(a) Close and lock the breech.

(b) Ensure the trails are closed and secured. Rotate the lunette downward. Safety the trail closing lock handle with tape or Type III nylon cord.

(c) Ensure the muzzle cover, breech and tube covers, and all stowed equipment are secured with tape or Type III nylon cord.

(d) Pad the gun tube above the cradle around the forward edges of the sleigh assembly with felt padding. Secure the padding with tape or Type III nylon cord.

(e) Pad each trail aft of the traveling lock shaft with felt padding. Secure the padding with tape or Type III nylon cord.

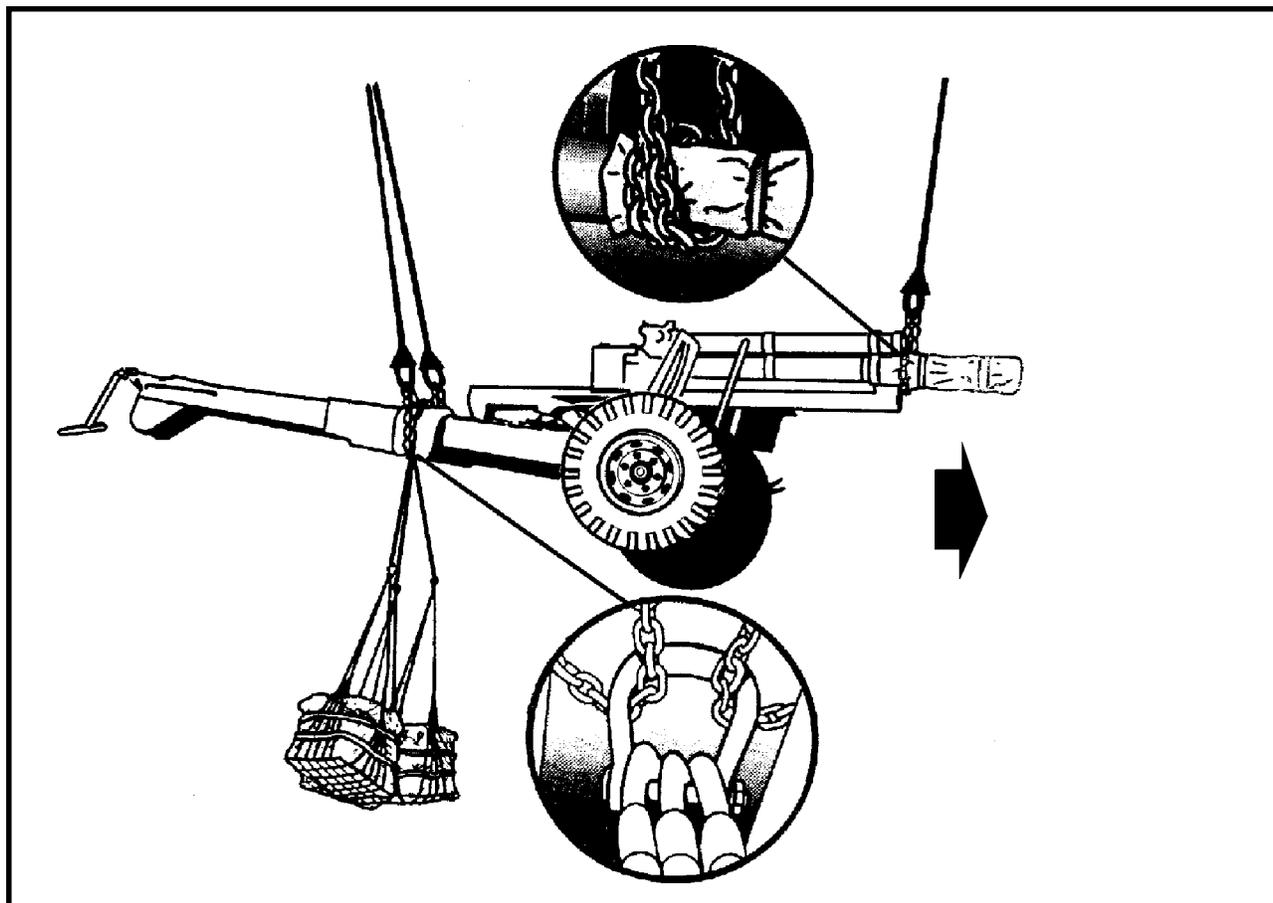
(f) Set the hand brakes.

(g) If required, inspect and prepare the A-22 cargo bag in accordance with FM 10-450-3 as close as possible to the gun trails.

(2) **Rigging.** Rig the load according to the steps in Figure 6-1.

(3) **Hookup.** Two hookup teams are required for this load. The static wand person stands on the trail of the howitzer and discharges the static electricity with the static wand. The forward hookup person straddles the gun tube and places apex fitting 1 onto the forward cargo hook. The aft hookup person stands on the trails and places apex fitting 2 onto the aft cargo hook. The hookup teams then carefully dismount the howitzer and remain close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup teams quickly exit 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).



RIGGING STEPS

1. Connect two sling legs to apex fitting number 1. Position the sling set on top of the breech. Both sling legs go around the barrel.
2. Loop the chain end of sling leg 1 around the padded muzzle (one complete wrap). Place the correct link from Table 6-1 in the grab hook. Loop sling leg 2 around the padded muzzle in the opposite direction from sling leg 1 (one complete wrap). Secure excess chain with tape or Type III nylon cord.
3. Connect two sling legs to apex fitting number 2. Position the sling set on top of the gun trails.
4. Wrap the left chain end around the left padded trail two complete wraps. Place the correct link from Table 6-1 in the grab hook. Repeat with the right sling leg and the right padded gun trail. Secure excess chain with tape or Type III nylon cord.
5. Cluster and tie or tape (breakaway technique) the sling legs in each sling set together to prevent entanglement during hookup and lift-off.
6. If required, attach the accompanying A-22 (s) by placing an additional apex fitting around the inner chains of the rear sling legs, so the fitting is between the trails. Route the chain end of an additional sling leg through the clevis on the A-22 cargo bag and insert link 3 in the grab hook. Place the eye of the sling leg in the additional apex fitting between the trails. Repeat this procedure for each A-22 cargo bag being lifted.

Figure 6-1. M101A1 Howitzer, 105-mm, with or without A-22 Cargo Bags

6-3. Two M101A1 Howitzers, Side by Side (USMC)

a. Applicability. The following items in Table 6-2 are certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-2. Two M101A1 Howitzers, Side by Side

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
Two M101A1 Howitzers, 105-mm, (side by side)	9,012	40K	Listed in Rigging Instructions	CH-53	120

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

(1) Sling set (40,000-pound capacity) with one additional apex fitting.

(a) Chain length, part number 607050, from a 40,000-pound capacity sling set (2 each).

(b) Coupling link, part number 577-0815, from a 40,000-pound sling set (2 each).

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

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

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

(5) Strap, cargo, tiedown, CGU-1/B (as required).

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

(7) Pad, energy, dissipating, honeycomb, 24 inch x 24 inch (2 each) or 4 inch x 4 inch x 24 inch wood (2 each).

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) Position the two howitzers side by side with the barrels facing in opposite directions.

(b) Place the honeycomb or wood between the inboard wheel of one howitzer and the inboard trail of the other howitzer. Secure the honeycomb or wood in place with a tiedown strap. Repeat with the other tiedown strap on the inboard wheel of the other howitzer and the inboard trail.

(c) Close and lock the breech of each howitzer.

(d) Ensure the trails are properly closed and secured. Rotate the lunette downward. Secure the trail closing lock handles with tape or Type III nylon cord.

(e) Remove or secure the muzzle, breech, and barrel covers.

(f) Remove or pad the sight mounts.

(g) Secure loose equipment with tape or Type III nylon cord. Place the section equipment chest on the trails and secure with tiedown straps.

(h) Set the hand brake.

(i) Wrap padding around the gun tubes above the cradle and the forward edge of the recoil damper assembly. Secure the padding with tape or Type III nylon cord.

(j) Wrap padding around the left and right trails of both howitzers just aft of the travel lock shaft area and secure with tape or Type III nylon cord.

(2) **Rigging.** Rig the load according to the steps in Figure 6-2.

(3) **Hookup.** Two hookup teams are required for this load. The static wand person discharges the static electricity with the static wand. The forward hookup person stands on the trail end of howitzer 2 and places apex

fitting 1 onto the forward cargo hook. The aft hookup person stands on the trail end of howitzer 1 and places apex fitting 2 onto the aft cargo hook. The hookup teams then carefully dismount the howitzers and remain close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup teams quickly exit 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).

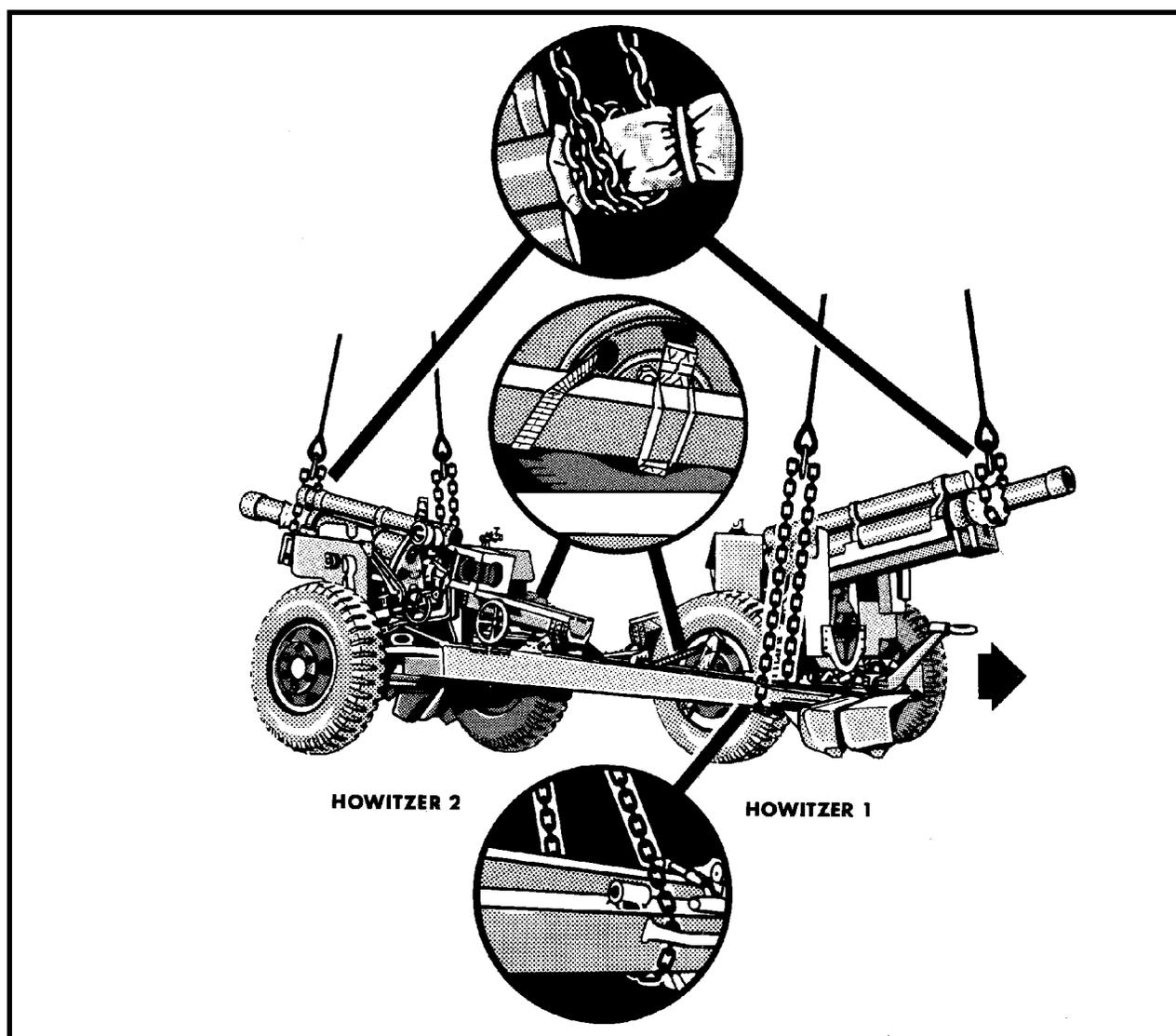


Figure 6-2. Two M101A1 Howitzers, Side by Side

RIGGING STEPS	
NOTE: The howitzer with the barrel facing in the direction of flight is designated as howitzer 1.	
<ol style="list-style-type: none">1. Place two sling legs on apex fitting number 1. Attach a chain length to one sling leg using the coupling link. Position apex fitting number 1 on top of the barrel of howitzer number 1. 2. Wrap the chain end of the sling leg that does not have the additional chain length once around the padding on the barrel of howitzer 1 and insert link 30 in the grab hook. Secure excess chain with tape or Type III nylon cord. 3. Wrap the chain end of the other sling leg around the padding on the trail end of howitzer 2 and insert link 55 in the grab hook. Secure excess chain with tape or Type III nylon cord.	<ol style="list-style-type: none">4. Place two sling legs on apex fitting number 2. Attach a chain length to one sling leg using the coupling link. Position apex fitting number 2 on top of the barrel of howitzer number 2. 5. Wrap the chain end of the sling leg that does not have the additional chain length once around the padding on the barrel of howitzer 2 and insert link 30 in the grab hook. Secure excess chain with tape or Type III nylon cord. 6. Wrap the chain end of the other sling leg around the padding on the trail end of howitzer 1 and insert link 56 in the grab hook. Secure excess chain with tape or Type III nylon cord. 7. Cluster and tie or tape (breakaway technique) the sling legs in each sling set together to prevent entanglement during hookup and lift-off.

Figure 6-2. Two M101A1 Howitzers, Side by Side (continued)

6-4. M102 Howitzer, 105-mm

a. Applicability. The following item in Table 6-3 is certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-3. M102 Howitzer, 105-mm

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
Howitzer, 105-mm, M102	3,330	10K	70/3	CH-47	130

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

(1) Sling set (10,000-pound capacity) with one additional apex fitting .

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

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

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

(5) Strap, cargo, tiedown, CGU-1/B (as required).

c. Personnel. Two persons can prepare and rig this load in 10 minutes.

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

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

(a) Place muzzle and sight covers on howitzer and secure with tape or Type III nylon cord.

(b) Place the section equipment chest on the end of the trails and secure with tiedown straps.

(c) Set the handbrake.

(2) **Rigging.** Rig the load according to the steps in Figure 6-3.

(3) **Hookup.** Two hookup teams are required for this load. The static wand person stands on the trail of the howitzer and discharges the static electricity with the static wand. The forward hookup person stands on the wheel and places apex fitting 1 onto the forward cargo hook. The aft hookup person stands on the trails and places apex fitting 2 onto the aft cargo hook. The hookup teams then carefully dismount the howitzer and remain close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup teams quickly exit 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).

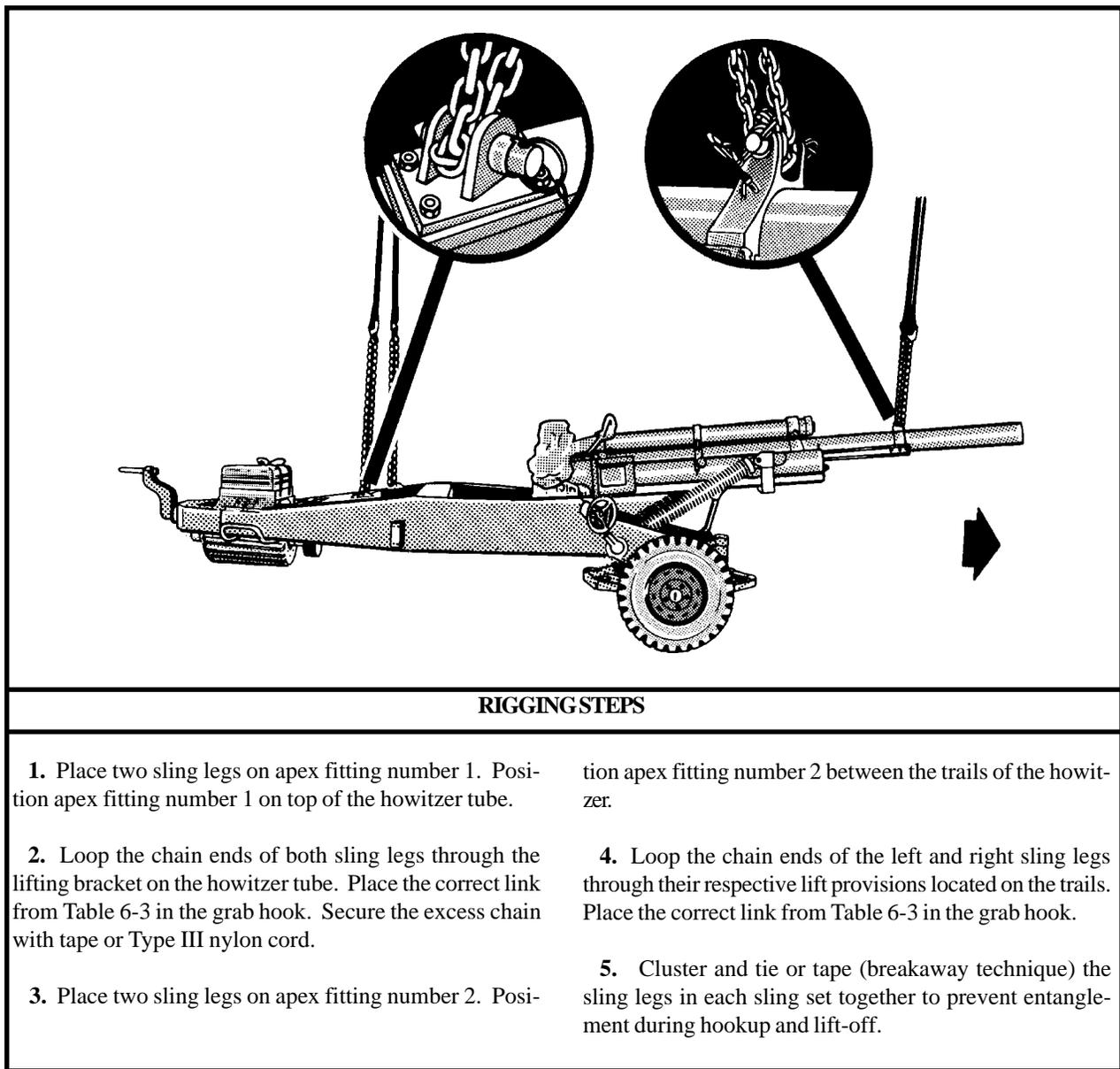


Figure 6-3. M102 Howitzer

6-5. Two M102 Howitzers, 105-mm, with or without One, Two, or Three A-22 Cargo Bags

a. Applicability. The following items in Table 6-4 are certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-4. Two M102 Howitzers, 105-mm, with or without One, Two, or Three A-22 Cargo Bags

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
Two M102 Howitzers, 105-mm	6,600	10K	Listed in Rigging Instructions	CH-47	120
Two M102 Howitzers, 105-mm with one A-22 Cargo Bag	8,800	10K	Listed in Rigging Instructions	CH-47	120
Two M102 Howitzers, 105-mm with two A-22 Cargo Bags	11,000	25K	Listed in Rigging Instructions	CH-47	120
Two M102 Howitzers, 105-mm with three A-22 Cargo Bags	13,200	25K	Listed in Rigging Instructions	CH-47	120

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

(1) Sling set (10,000-pound capacity) (used for rigging two howitzers or two howitzers and one A-22 cargo bag).

(a) One additional apex fitting (10,000-pound capacity) (2 additional apex fittings if rigging an accompanying load).

(b) One additional sling leg assembly (2,500-pound capacity) (2 additional sling leg assemblies if rigging an accompanying load).

OR

(2) Sling set (25,000-pound capacity) (used for rigging two howitzers with two or three A-22 cargo bags).

(a) One additional apex fitting (25,000-pound capacity).

(b) One additional apex fitting (10,000- or 25,000-pound capacity) (used for accompanying load).

(c) Two additional sling leg assemblies (6,250-pound capacity) when rigging two howitzers and two A-22 cargo bags (3 additional sling leg assemblies if rigging three A-22 cargo bags) (6,250-pound capacity).

(3) Clevis assembly, medium, used with 25,000-pound capacity sling set (4 each) .

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

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

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

(7) Felt sheet, cattle hair, Type IV, 1/2-inch, 24 inches x 60 inches (2 each) or suitable substitute.

(8) Strap, cargo, tiedown, CGU-1/B (as required).

(9) Pad, energy, dissipating, honeycomb, 36 inch x 36 inch (1 each) or wood block or felt sheets (4 each).

(10) Bag, cargo, A-22 with medium clevis (as required).

c. Personnel. Two persons can prepare and rig this load in 30 minutes. Add 15 minutes rigging time for each A-22 cargo bag.

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

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

(a) Position the two howitzers side by side approximately 18 inches apart at the wheels with the barrels facing the same direction.

(b) Place the honeycomb pad between the two inboard wheels. Slide both howitzers together and lash the wheels together securely with the tiedown straps.

(c) Wrap a sheet of felt around each inboard trail at the center of the load to prevent chafing between trails. Secure the padding with tape or Type III nylon cord. Ensure the lift provisions are exposed.

(d) Secure all howitzer covers and loose equipment with tape or Type III nylon cord.

(e) If the 25,000-pound capacity sling set is used, remove the trail lift provision pins and install medium clevises. Reinstall the lift provision pins ensuring the pins are over the bell portion of the clevises.

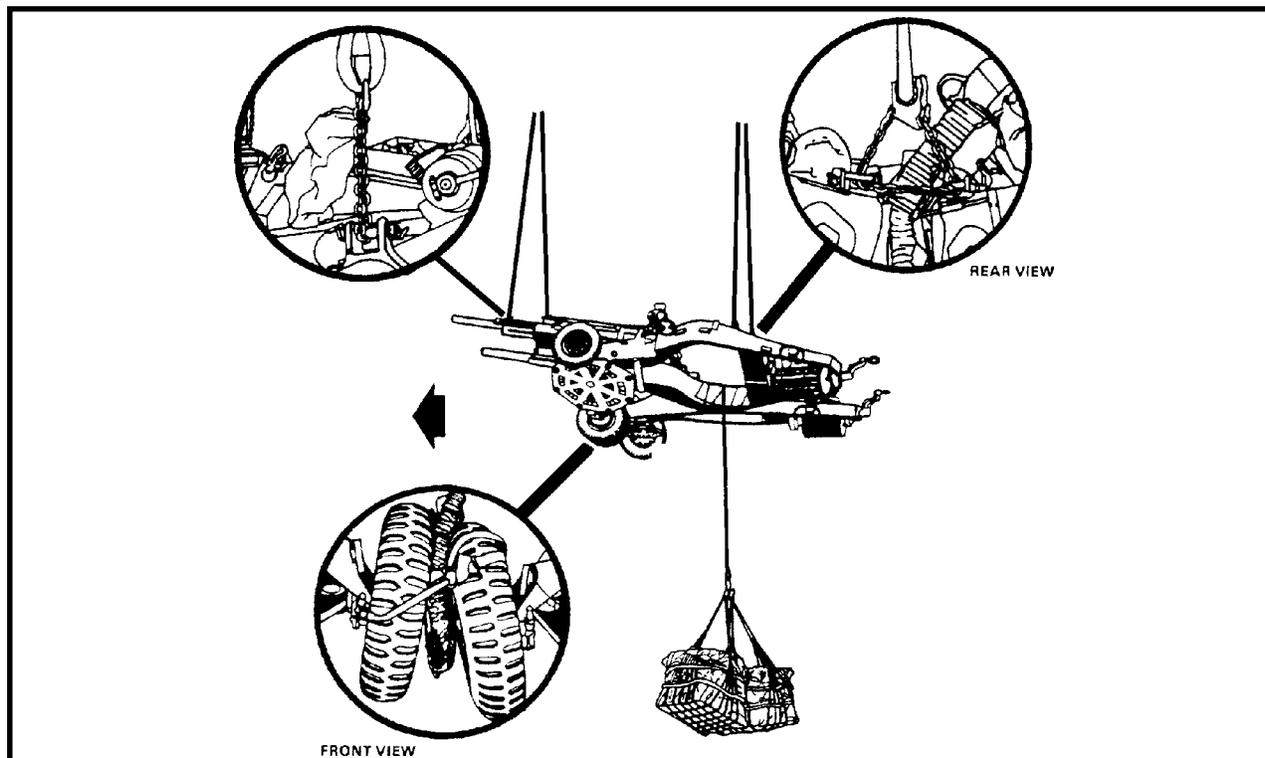
(f) If required, inspect and prepare the A-22 cargo bag in accordance with FM 10-450-3 as close as possible to the gun trails.

(g) Set the handbrake.

(2) **Rigging.** Rig the load according to the steps in Figure 6-4.

(3) **Hookup.** Two hookup teams are required for this load. The static wand person stands on the trail of the howitzer and discharges the static electricity with the static wand. The forward hookup person stands on the inner wheels and places apex fitting 1 onto the forward cargo hook. The aft hookup person stands on the trails and places apex fitting 2 onto the aft cargo hook. The hookup teams then carefully dismount the howitzer and remain close to the load as the helicopter removes slack from the sling legs. When successful hookup is assured, the hookup teams quickly exit 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).



RIGGING STEPS

NOTE: The chain link number inside the parentheses is used for the 10,000-pound capacity sling set.

1. Connect two sling legs to apex fitting number 1. Position the apex fitting on the ground between the barrels of the howitzers.

2. Loop the chain end of sling leg 1 through the lift provision on the barrel of the left howitzer and insert link 42 (60) in the grab hook. Repeat with sling leg 2 on the lift provision on the barrel of the right howitzer. Secure excess chain with tape or Type III nylon cord.

3. Connect three sling legs to apex fitting number 2. Position the apex fitting on the two inner wheels.

4. Route outer sling legs 1 and 2 to the outboard trails of the left and right howitzers respectively. Route inner sling leg 3 to the two inboard trails.

5. Loop the chain end of sling leg 1 through the lift provision or medium clevis on the outboard trail of the left

howitzer and insert link 3 (3) in the grab hook. Repeat with sling leg 2 on the lift provision on the outboard trail of the right howitzer.

6. Loop the chain end of inner sling leg 3 through the lift provisions or the medium clevises located on the inboard trails of both howitzers and insert link 16 (20) in the grabhook. Secure excess chain with tape or Type III nylon cord.

7. Cluster and tie or tape (breakaway technique) the sling legs in each sling set together to prevent entanglement during hookup and lift-off.

8. If lifting an accompanying load, wrap the chain end of the additional sling leg (s) around the padded inboard trails and insert link 42 (60) in the grab hook. The chain should be as tight as possible. Route the other end of the sling leg under the trail toward the accompanying load. Place the additional apex fitting through the sling leg (s) eyelet. Place the medium clevises of the A-22 cargo bags on the bolt of the apex fitting.

Figure 6-4. Two M102 Howitzers, 105-mm, with or without One, Two, or Three A-22 Cargo Bags

6-6. M198 Howitzer, 155-mm, Towed with External Airlift Travel Lock Assembly

a. Applicability. The following item in Table 6-5 is certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-5. M198 Howitzer

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
Howitzer, 155-mm, M198 with External Airlift Travel Lock Assembly	15,740	25K	33/3	CH-47	130

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

- (1) Sling set (25,000-pound capacity) with one additional apex fitting (25,000-pound capacity).
- (2) Tape, adhesive, pressure-sensitive, 2-inch wide roll.
- (3) Cord, nylon, Type III, 550-pound breaking strength.
- (4) Webbing, cotton, 1/4-inch, 80-pound breaking strength.
- (5) Felt sheet, cattle hair, Type IV, 1/2-inch or suitable substitute.
- (6) Strap, cargo, tiedown, CGU-1/B (as required).
- (7) Clevis assembly, large (one per lift provision).
- (8) Reach pendant, 11,000- or 25,000-pound capacity (2 each).

c. Personnel. Two persons can prepare and rig this load in 20 minutes.

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

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

- (a) Secure the spades to the trails with CGU-1/B

tiedown straps.

(b) Secure the air hoses and electrical cable to the outboard side of the right trail with tape or Type III nylon cord.

(c) Stow and secure all equipment in place with tape or Type III nylon cord.

(d) Pad the sight mounts with felt padding. Secure the padding with tape or Type III nylon cord.

(e) Attach a large clevis assembly to the trail and carriage lifting provisions.

(f) Ensure the top carriage locking pin is in place and secured with a locking safety clip.

CAUTION

Do not attempt to lift the howitzer if the top carriage lock pin will not drop into place or if the locking safety clip is missing. Either of these conditions could result in the top carriage rotating in flight.

(g) Position the barrel and install the travel lock. Secure the lock with pins.

(h) Attach a reach pendant to each apex fitting in accordance with FM 10-450-3.

(i) Set the handbrakes.

(2) **Rigging.** Rig the load according to the steps in Figure 6-5.

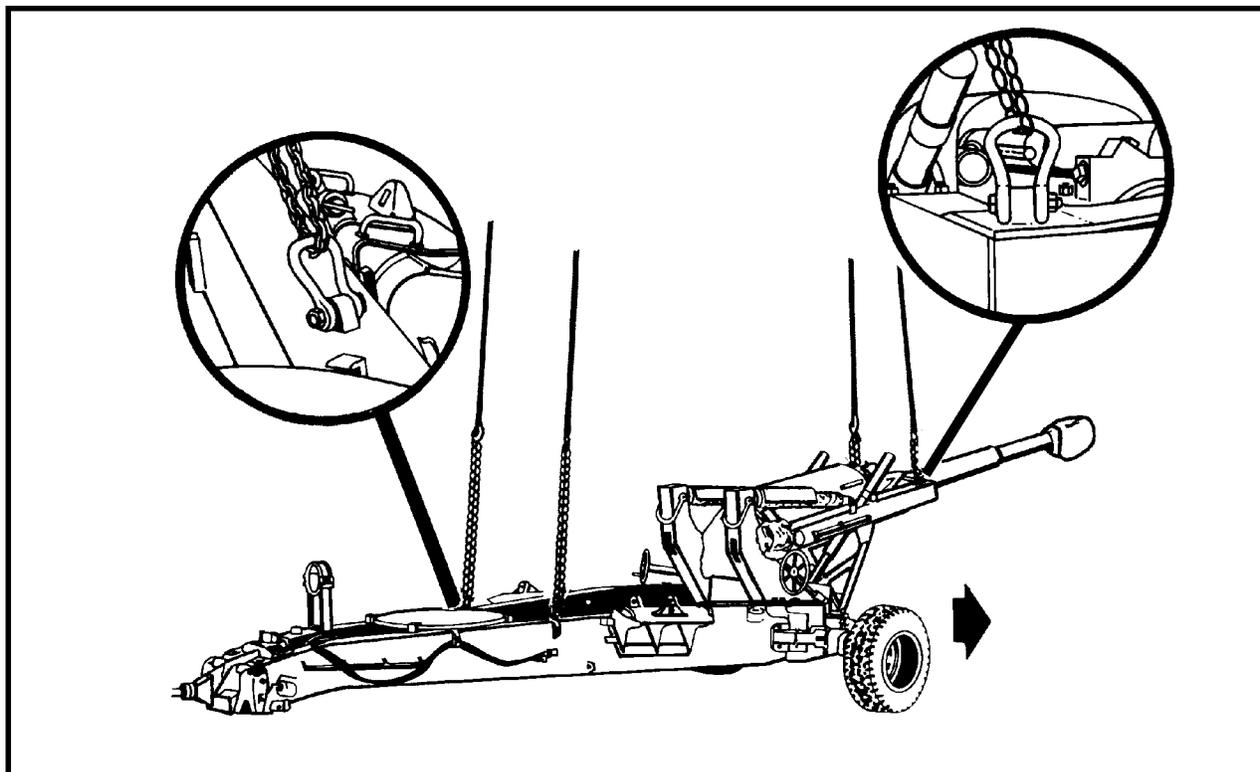
(3) **Hookup.** Two hookup teams are required for this load. The forward hookup person stands on top of the

gun carriage and places apex fitting 1 onto the forward cargo hook. The aft hookup person stands on the firing base plate and places apex fitting 2 onto the aft cargo hook. The hookup teams then carefully dismount the howitzer and remain 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.

NOTE: The helicopter must approach the howitzer over the trails.

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



RIGGING STEPS

1. Connect two sling legs to apex fitting number 1. Position the sling set on top of the forward end of the breech.
2. Loop the chain end of the sling legs through the large clevises installed on their respective lift provisions located on the carriage. Place the correct link from Table 6-5 in the grab hook. Secure excess chain with tape or Type III nylon cord.
3. Connect two sling legs to apex fitting number 2. Position the sling set on top of the baseplate between the

trails.

4. Loop the chain end of the sling legs through the large clevises installed on their respective lift provisions located on the trails. Place the correct link from Table 6-5 in the grab hook. Secure excess chain with tape or Type III nylon cord.

5. Cluster and tie or tape (breakaway technique) the sling legs in each sling set together to prevent entanglement during hookup and lift-off.

Figure 6-5. M198 Howitzer

6-7. M167 20-mm AA Gun (Vulcan)

a. Applicability. The following item in Table 6-6 is certified for the helicopter(s) listed in the following table by the US Army Soldier Systems Center:

Table 6-6. M167 20-mm AA Gun (Vulcan)

NOMENCLATURE	MAX WEIGHT (POUNDS)	SLING SET	LINK COUNT FRONT/ REAR	TYPE OF AIRCRAFT	RECOMMENDED AIRSPEED (KNOTS)
Antiaircraft Gun, 20-mm, M167	3,260	10K	80/3	CH-47	85

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

- (1) Sling set (10,000-pound capacity) with one additional apex fitting.
- (2) Tape, adhesive, pressure-sensitive, 2-inch wide roll.
- (3) Cord, nylon, Type III, 550-pound breaking strength.
- (4) Webbing, cotton, 1/4-inch, 80-pound breaking strength.

c. Personnel. Two persons can prepare and rig this load in 20 minutes.

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

- (1) **Preparation.** Prepare the load using the following steps:
 - (a) Position the radar antenna assembly to point directly upward.
 - (b) Place the cover on the gun and secure with Type III nylon cord.
 - (c) Secure any loose equipment with tape or Type III

nylon cord.

(d) Extend and secure the rear trails in the down position.

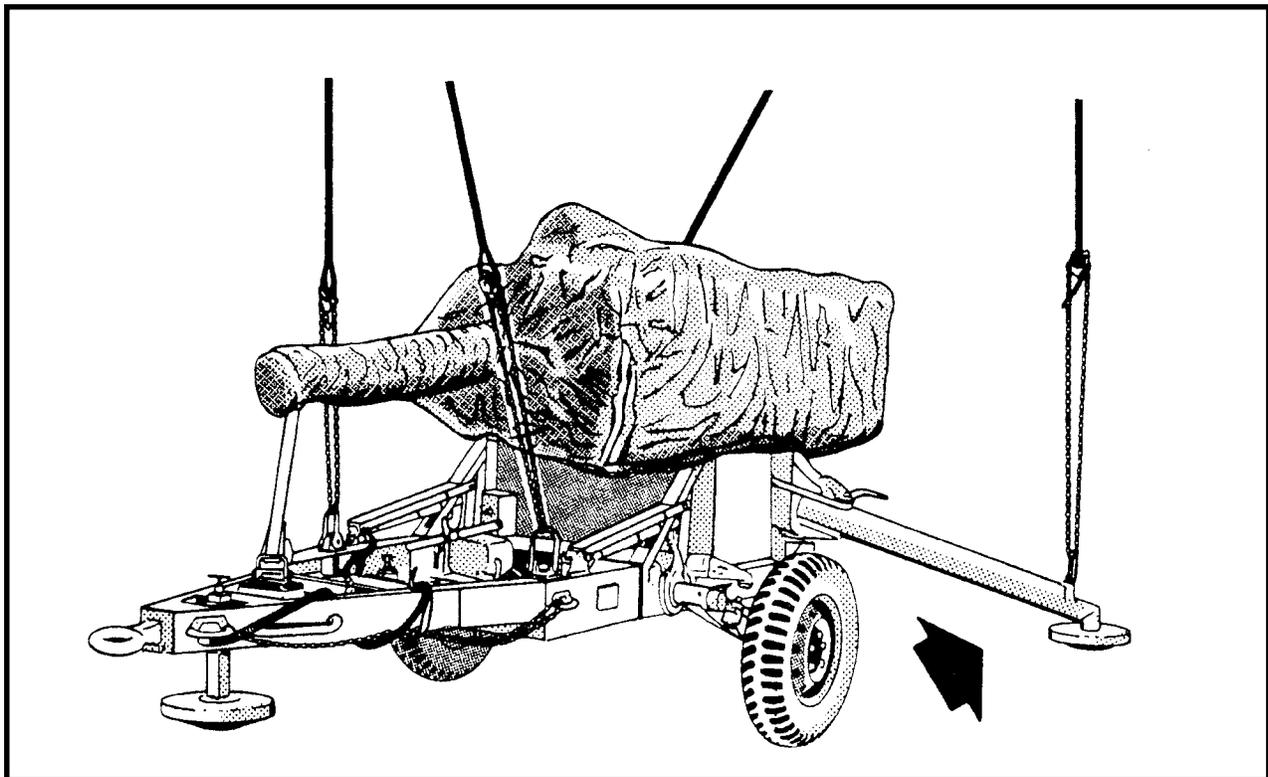
(e) Engage the hand brakes and install lifting shackles on the tongue and trails.

(2) **Rigging.** Rig the load according to the steps in Figure 6-6.

(3) **Hookup.** Two hookup teams are required for this load. The static wand person discharges the static electricity with the static wand. One hookup person stands on the tongue and places apex fitting 1 onto the aft cargo hook. The other hookup person stands on the gunner's seat or on the trailer frame on the same side as the radar dish and places apex fitting 2 onto the forward cargo hook. The hookup teams then carefully dismount the gun and remain 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.

NOTE: Advise the aircraft commander to release the apex fittings on the side of the gun away from the radar antenna to prevent damage to the radar unit.

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



RIGGING STEPS

1. Place two sling legs on apex fitting number 1. Position apex fitting number 1 on top of the barrel.

2. Loop the chain end of the left and right sling legs through their respective lift provision on the tongue of the gun. Place the correct link from Table 6-6 in the grab hook. Secure excess chain with tape or Type III nylon cord.

3. Place two sling legs on apex fitting number 2. Posi-

tion apex fitting number 2 between the two rear trails.

4. Loop the chain end of the left and right sling legs through their respective lift provision on the lower end of each rear trail. Place the correct link from Table 6-6 in the grab hook.

5. Cluster and tie or tape (breakaway technique) the sling legs in each sling set together to prevent entanglement during hookup and lift-off.

Figure 6-6. M167 20-mm AA Gun (Vulcan)