

Summary Report for Individual Task  
551-88H-1517  
Inspect Cargo Handling Gear  
Status: Approved

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**Distribution Restriction:** Approved for public release; distribution is unlimited.

**Destruction Notice:** None

**Foreign Disclosure: FD5** - This product/publication has been reviewed by the product developers in coordination with the Transportation School, Fort Lee, VA 23801 foreign disclosure authority.

This product is releasable to students from all requesting foreign countries without restrictions.

**Condition:** Assigned as a Cargo Checker/Handler given a requirement to inspect cargo handling gear in an operational environment, during day or night, in normal weather conditions, a completed risk assessment, safety briefing, a cargo vessel, cargo handling gear, TM 3-34.86, and TC 4-13.17. This task should not be trained in MOPP 4.

**Standard:** Inspect cargo handling gear without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Risk:** Low

**MOPP 4:** Never

<b>Task Statements</b>
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**Cue:** You are assigned as a Cargo Checker/Handler tasked with inspecting the cargo handling gear prior to starting operations.

## DANGER

Adhere to all DANGER statements listed in the technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

## WARNING

Adhere to all WARNING statements listed in the technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

## CAUTION

Adhere to all CAUTION statements listed in the technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.

**Remarks:** None

**Notes:** None

## Performance Steps

1. Inspect fiber ropes for chafing, breaking, and evidence of mildew.
2. Inspect wire rope such as cargo runners, preventers, guy pendants, and topping lifts.
  - a. Check for fraying.
  - b. Check for kinking
  - c. Check for wear (obvious loss of metal due to metal to metal contact).
  - d. Check for corrosion.
  - e. Check for cuts.
  - f. Check for broken strands

Note: Inspect wire rope for broken strands within each strand allowing no more than three broken wires in one strand of 6 X 7 rope, six broken wires within one strand of 6 X 19 rope, or nine broken wires within one strand of 6 X 37 rope.

3. Inspect wire rope cargo blocks for serviceability.
  - a. Inspect for cracks, splits, or any evidence of the sheave wearing on the frame.
  - b. Check the sheave pin to see if it is bent; check the inside of the frame for wear.
  - c. Check the hook shackle or beackets for any evidence of damage or distortion.
  - d. Check to see if the swivel turns freely.
  - e. Check to see if the snatch block gate is working properly.
  - f. Check the block for lubrication.
4. Inspect chains, shackles, and hooks.
  - a. Check for cracks.
  - b. Check for dents
  - c. Check for sharp nicks.
  - d. Check for cuts.
  - e. Check for worn surfaces.
  - f. Check for paint.
  - g. Check for distortion.

Note: Do not use painted chains, shackles, and hooks: they cannot be inspected for serviceability.

5. Inspect winches to ensure that runners are wound in the correct direction and that they are free of foreign objects that could damage equipment.

6. Inspect standing rigging (see Figure 3-28).

- a. Check for rust.
- b. Check for bent booms.
- c. Check for worn spots.
- d. Check for oily spots.
- e. Check for safe working load (SWL) of cargo booms.

Note: A wire preventer is shackled to the head of each boom and to any suitable fitting near the heel of each boom.

7. Inspect running rigging (see Figure 3-29).

- a. Check for kinks.
- b. Check for worn spots.
- c. Check for broken strands of wire rope.
- d. Check for broken fiber in fiber rope.

8. Inspect deck fittings and shackles (see Figure 3-30).

- a. Check for rust.
- b. Check for worn spots.
- c. Check for paint.
- d. Check for distortion.

9. Report defective equipment to the hatch foreman.

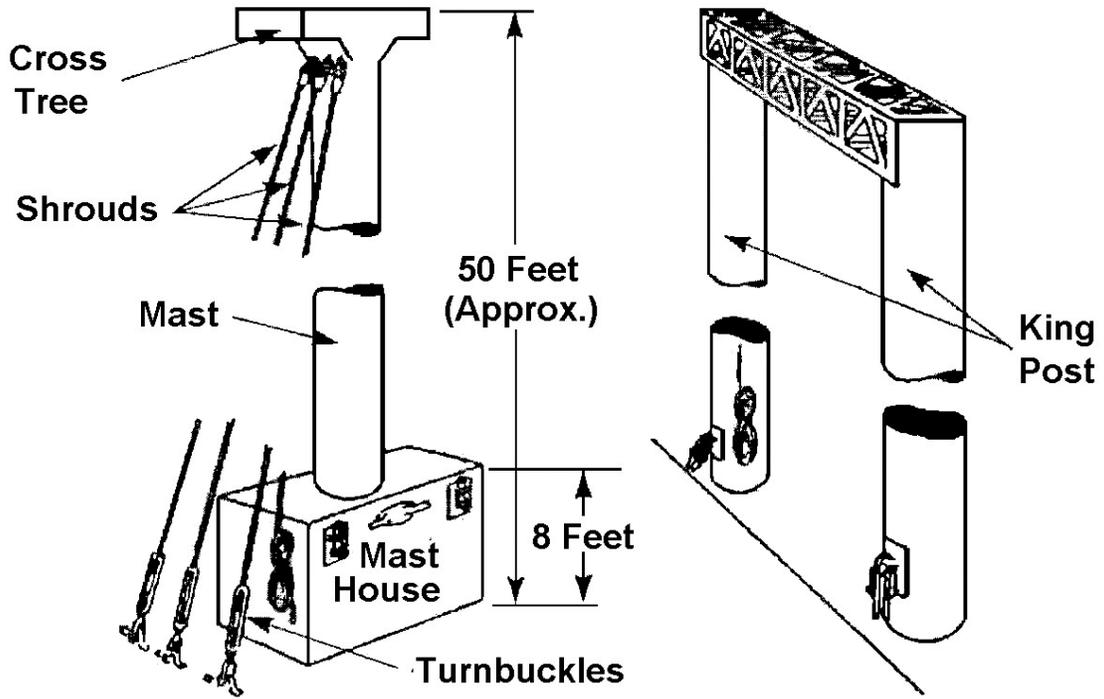


Figure 3-28  
Standing Rigging

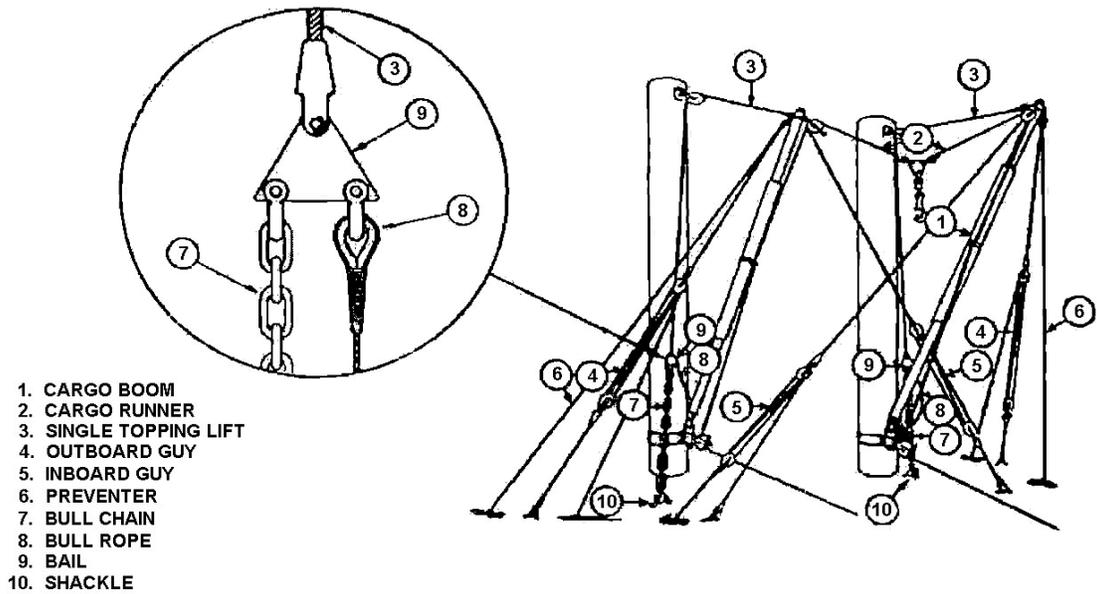


Figure 3-29  
Running Rigging

1. MULTIPLE TOPPING LIFT
2. AMIDSHIP GUY
3. TOPPING-LIFT CLEAT
4. HEADBLOCK
5. HEELBLOCK
6. GUY TACKLE
7. GUY PENDANT
8. GOOSENECK
9. TOPPING LIFT BLOCKS
10. FAIRLEAD
11. LINK BAND

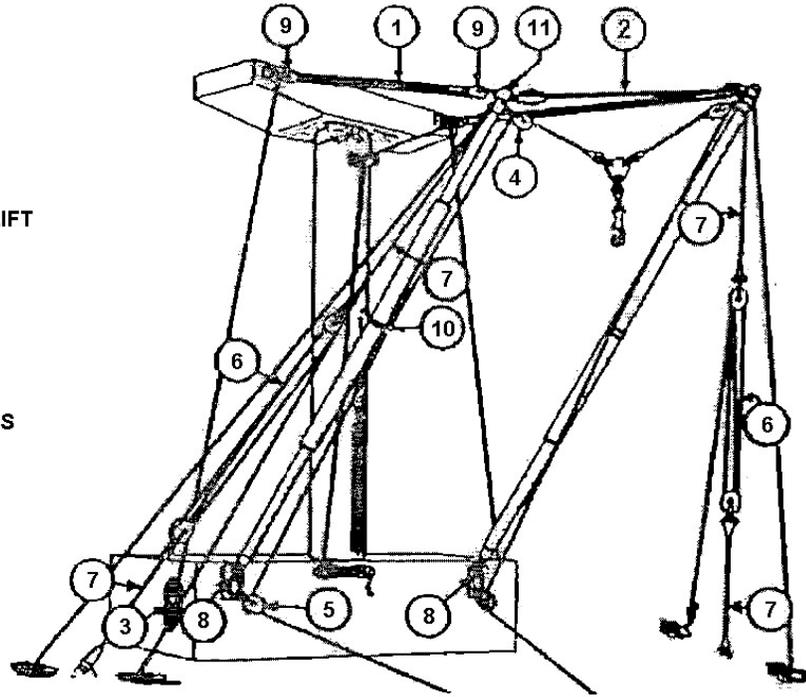


Figure 3-29 (cont)  
Running Rigging (continued)

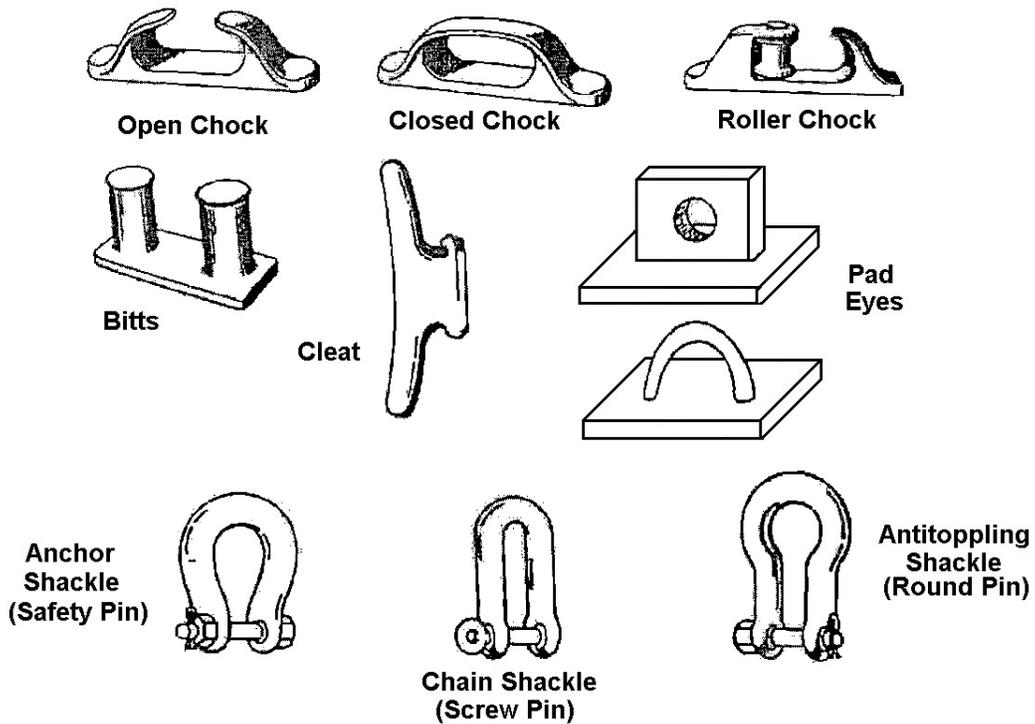


Figure 3-30  
Deck Fitting and Shackles

(Asterisks indicates a leader performance step.)

**Evaluation Guidance:** Score the Soldier GO if all performance steps are passed (P). Score the Soldier NO-GO if any performance step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

**Evaluation Preparation:** Ensure that all materials required to perform the task are available. Tell the Soldier that he/she will be evaluated on inspecting cargo handling gear.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Inspected fiber ropes for chafing, breaking, and evidence of mildew.			
2. Inspected wire rope such as cargo runners, preventers, guy pendants, and topping lifts.			
3. Inspected wire rope cargo blocks for serviceability.			
4. Inspected chains, shackles, and hooks.			
5. Inspected winches to ensure that runners were wound in the correct direction and that they were free of foreign objects that could damage equipment.			
6. Inspected standing rigging.			
7. Inspected running rigging.			
8. Inspected deck fittings and shackles.			
9. Reported defective equipment to the hatch foreman.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	TC 4-13.17	Cargo Specialist's Handbook	Yes	No
	TM 3-34.86	Rigging Techniques, Procedures, and Applications {MCRP 3-17.7j}	Yes	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste.

Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All soldiers and leaders must maintain a proactive posture towards safety in day-to-day operations. The need for total commitment to safety should be evident to commanders, senior soldiers, and their subordinates. The importance of safety is intensified for personnel inspecting cargo handling gear. Safety awareness is most effective at three levels: command, leader, and individual.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at

every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88H-1520	Reeve Triple-Sheave Blocks	551 - Transportation (Individual)	Reviewed
551-88H-2523	Direct Inspection of Cargo Handling Gear	551 - Transportation (Individual)	Approved

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-1407	Conduct Pierside Operations to Discharge and Load Cargo	55 - Transportation (Collective)	Approved

**ICTL Data :**

ICTL Title	Personnel Type	MOS Data
MOS 88H - CARGO SPECIALIST SL4	Enlisted	MOS: 88H, Skill Level: SL4, Duty Pos: TGI
MOS 88H - CARGO SPECIALIST SL1	Enlisted	MOS: 88H, Skill Level: SL1, Duty Pos: TAZ
MOS 88H - CARGO SPECIALIST SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW
MOS 88H - CARGO SPECIALIST SL3	Enlisted	MOS: 88H, Skill Level: SL3, Duty Pos: TBA