

**Report Date:** 25 Mar 2014

**Summary Report for Individual Task  
551-88H-2406  
Direct Set-up Procedures on Hagglands Crane for Twin Mode Operations  
Status: Approved**

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DESTRUCTION NOTICE: None

**Condition:** Assigned as a senior crane operator in an operational environment, during day or night, in normal weather conditions, given a completed risk assessment, an Operation Order/Operation Plan, safety briefing, safety equipment, a Haggglunds crane, and Haggglunds Crane Operator's Manual. This task should not be trained in MOPP 4.

**Standard:** Direct the set-up procedures on a Haggglunds crane for twin mode operations without injury to personnel or damage to equipment.

**Special Condition:** None

**Safety Level:** Medium

**MOPP:** Never

<b>Task Statements</b>
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**Cue:** You are assigned as a Senior Crane Operator tasked with directing the set-up procedures of the Haggglunds Crane for Twin Mode Operations.

<b>DANGER</b> Adhere to all DANGER statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.
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<b>WARNING</b> Adhere to all WARNING statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.
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<b>CAUTION</b> Adhere to all CAUTION statements listed in the equipment technical operator's manual applicable to this procedure. Failure to comply may result in injury to personnel or damage to the equipment.
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**Remarks:** None

**Notes:** None

### Performance Steps

1. Assign an assistant crane operator to assist the master crane operator.
2. Direct the crane operator to start slave/single crane.
3. Direct the slewing/swinging of the slave crane next to the master crane.
4. Direct the assistant crane operator to engage the slew/swing lock levers on the crane platform by extracting the slew lockpin and pulling up on the lever until the lock engages.
5. Direct the crane operator to shut down the slave/single crane and move over the master crane.
6. Direct the crane operator to place the single/twin control switch to the twin mode.
7. Direct the crane operator to start the cranes from the master crane to begin operations.
8. Direct the signalman to hoist the hook and raise the boom (jib).
9. Direct the operator to slew (swing) the crane 360 degrees in either direction.
10. Direct the operator to synchronize the booms by using the twin reset button and move the booms up and down until both booms move together at the same height.
11. Direct the operator to synchronize the hooks by using the differential synchro knob for twin mode and moving the hooks up and down until both hooks move together at the same time.
12. Direct crew to secure a twin hook to the single hooks and begin the operation.  
Note: Instruct the crane operator to turn the EMERGENCY SHUTDOWN switch on if the low oil light comes on.

(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 directing set-up procedures on the Haggglunds crane for twin mode operations.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Assigned an assistant crane operator to assist the master crane operator.			
2. Directed the crane operator to start slave/single crane.			
3. Directed the slewing/swinging of the slave crane next to the master crane.			
4. Directed the assistant crane operator to engage the slew/swing lock levers on the crane platform by extracting the slew lockpin and pulling up on the lever until the lock engages.			
5. Directed the crane operator to shut down the slave/single crane and move over the master crane.			
6. Directed the crane operator to place the single/twin control switch to the twin mode.			
7. Directed the crane operator to start the cranes from the master crane to begin operations.			
8. Directed the signalman to hoist the hook and raise the boom (jib).			
9. Directed the operator to slew (swing) the crane 360 degrees in either direction.			
10. Directed the operator to synchronize the booms by using the twin reset button and moving the booms up and down until both booms moved together at the same height.			
11. Directed the operator to synchronize the hooks by using the differential synchro knob for twin mode and moving the hooks up and down until both hooks moved together at the same time.			
12. Directed crew to secure a twin hook to the single hooks and begin the operation.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	HAGGLUNDS CRANE OP MANUAL	Hagglunds Hydraulic Deck Crane Manual	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 conducting Haggglunds Crane operations. Safety awareness is most effective at three levels: command, leader, and individual. Observe all Warnings and Cautions.

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 :**

Task Number	Title	Proponent	Status
551-88H-1406	Place Haggglunds Crane in Twin Mode	551 - Transportation (Individual)	Analysis Completed
551-88H-1403	Prepare Haggglunds Crane for Operation	551 - Transportation (Individual)	Analysis Completed

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-88H-2403	Direct Preparation of Haggglunds Crane for Operations	551 - Transportation (Individual)	Approved
551-88H-2408	Direct Hatch Cover Operations	551 - Transportation (Individual)	Approved
551-88H-4508	Monitor Marine Terminal Operations	551 - Transportation (Individual)	Analysis

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
55-2-1405	Conducts LOTS Operation to Discharge and Load RO/RO, LO/LO, and Containers	55 - Transportation (Collective)	Approved
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 SL2	Enlisted	MOS: 88H, Skill Level: SL2, Duty Pos: ABW