

Operation and Maintenance Manual

Truck Crane

Model **GT-600EX-1**

Applicable Serial No. **437888 ~**

Operate this machine only after reading this Manual.
Keep this Manual in the cab so that it can be consulted at any time.

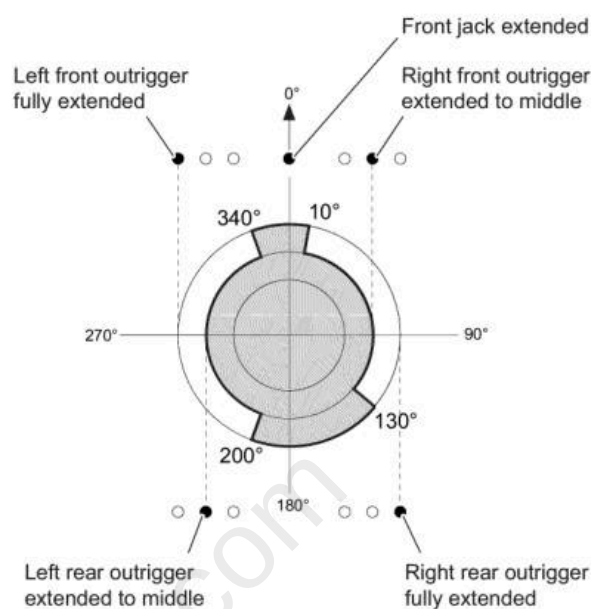
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When the boom is operated with the extension width of outriggers and front jack state as shown in the right figure, the capacity and range for each working area is determined as below.

- Over-front area: maximum extension capacity (340° to 10°)
- Over-side area (right): intermediate extension capacity (10° to 130°)
- Over-rear area: maximum extension capacity (130° to 200°)
- Over-rear area (left): intermediate extension capacity (200° to 340°)

With the outrigger extension state as shown in the right figure, when the boom is swung from the over-rear area via the over-rear left limit (200°) to the over-side area (left) (200° to 340°), the capacity changes from the maximum extension capacity to intermediate extension capacity.

When the boom is then swung to the over-front area (340° to 10°), the capacity changes from the intermediate extension capacity to maximum extension capacity.



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Start of Engine

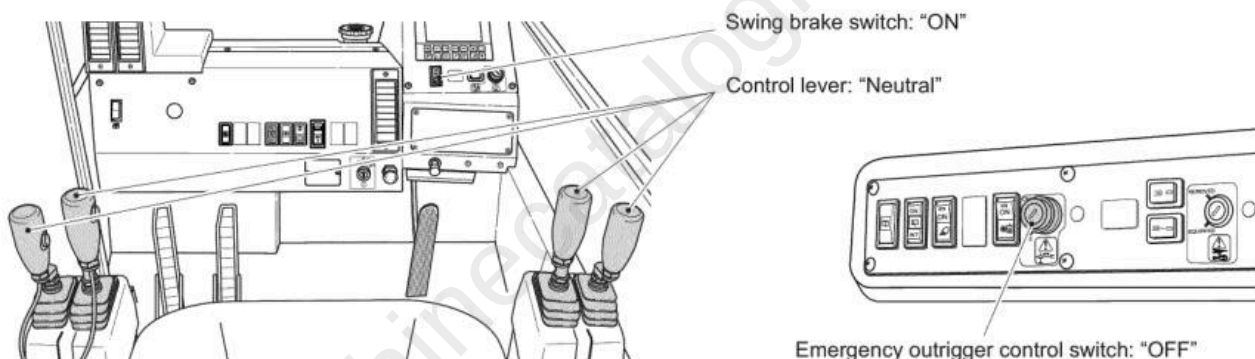
⚠ WARNING

- Do not start the engine from outside the vehicle (through the window opening, etc.). It may cause an accident. Sit on the driver's seat to start the engine.
- Do not leave the engine running for a long time in a poorly ventilated place. You may suffer from carbon monoxide poisoning by the exhaust gas.

 The engine can be started either from the carrier cab or crane cab, but normally start the engine from the carrier cab. Starting from the crane cab should be restricted to the case for restarting the engine after it stops during the crane operation.

For starting the engine from the carrier cab, refer to the separate operation manual for crane carrier.

1. Before starting the engine, set the levers and switches to the following states.

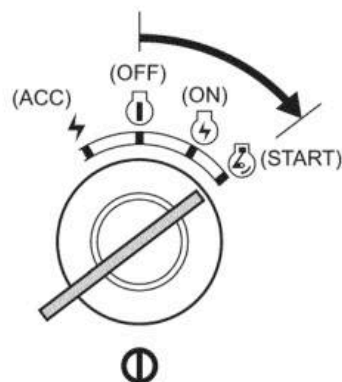


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2. Turn the starter switch to "START."
When the engine is started, immediately release the key.

NOTICE

- Do not keep running the starter motor for 20 seconds or more. Otherwise, the motor may burn out. If the engine does not start, return the starter switch to "OFF" and wait for 60 seconds or more, and then restart the engine.
- Check that there is no abnormality with the color of exhaust gas, sound, and vibration after the engine has started. If there is any abnormality, contact your nearest TADANO distributor or dealer.

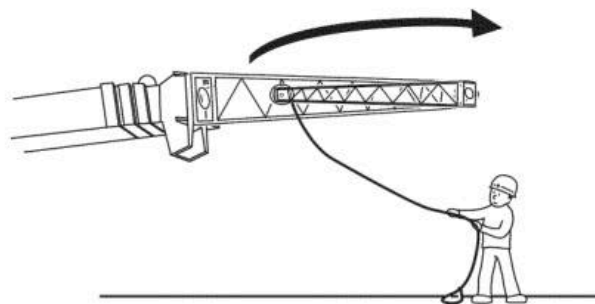


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- 26.** Pull the guide rope to swing the top jib forward.

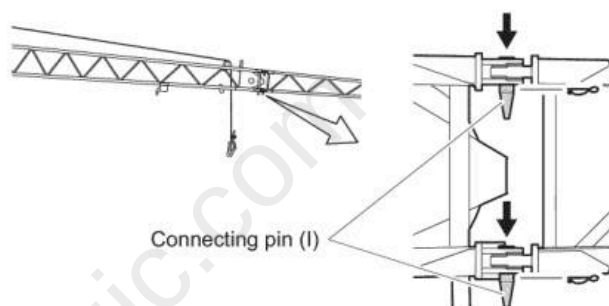
⚠ WARNING

Do not enter the area within the range of jib turning and under the jib. The jib may move unexpectedly and cause an injury.



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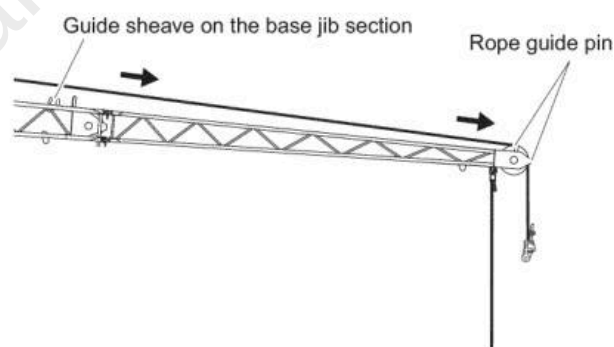
- 27.** Lower the boom, and insert the connecting pins (I). Then, secure them with the snap pins.



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- 28.** Wind down and reel out the wire rope to the top of the top jib, and pass it through the sheave.

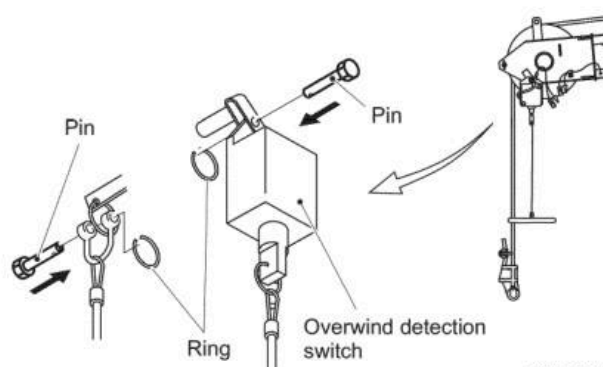
- ✎ Do not pass the wire rope through the guide sheave on the top of the base jib.
- ✎ To prevent disorderly winding of the wire rope, wind down the wire rope while pulling the wire rope by hand.



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- 29.** Remove the guide rope.

- 30.** Mount the overwind cutout device to the top of the top jib.



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Inspection and maintenance item			Inspection and maintenance interval			Remarks
			Daily inspection	Monthly	Annually	
Components	Inspection item					
Outrigger system	Jack cylinder (including holding valve)	Operation, oil leakage, spontaneous lowering	○	○	○	
		Mounting state, looseness, damage, spontaneous retraction		○	○	
	Beam (including lock pin)	Operation, oil leakage	○	○	○	
		Mounting state, operation, damage, looseness, oil leakage, wire winding/unwinding synchronization, wear, corrosion, wire breakage		○	○	
	Front jack	Operation, oil leakage, spontaneous lowering	○	○	○	
		Mounting state, looseness, damage, spontaneous retraction		○	○	
	Extension width detector	Mounting state, operation (reel, switch), accuracy, reel winding condition, damage		○	○	
	Control valve	Mounting state, operation, oil leakage		○	○	
	Control lever	Mounting state, operation, damage, stained or peeled nameplate		○	○	
	Level	State of bubble	○	○	○	
		Mounting state, contamination, damage		○	○	
	Outrigger state indicator	Indication state	○	○	○	
	Float	Mounting state, crack, deformation, contamination, lubrication		○	○	
	Piping, hose	Mounting state, looseness, crack, oil leakage, damage, deterioration		○	○	
Swing system	Swing frame	Crack, deformation, damage		○	○	
		Damage, wear, breakage, deformation, abnormal noise of swing frame structure		◇		
		Welded structural parts		◇		
		Important structure mounting parts (pin, blot, etc.)		◇		
	Swing bearing	Operation, mounting blot looseness (inner ring, outer ring)/elongation, fit, lubrication		○	○	
	Swing speed reducer, swing motor, rotary joint	Operation, oil leakage	○	○	○	
		Mounting state, looseness, crack, contamination, damage, oil level		○	○	
	Swing brake	Performance, oil leakage	○	○	○	
	Swing lock system	Mounting state, operation, crack, damage		○	○	
	Piping, hose	Mounting state, looseness, crack, oil leakage, damage, deterioration		○	○	

Full Version Available

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Tadano GT-600EX-1 truck crane operator manual, with daily inspection, greasing, wire rope care and emergency action. Instant PDF download.

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