

Operation and Maintenance Manual

Truck Crane

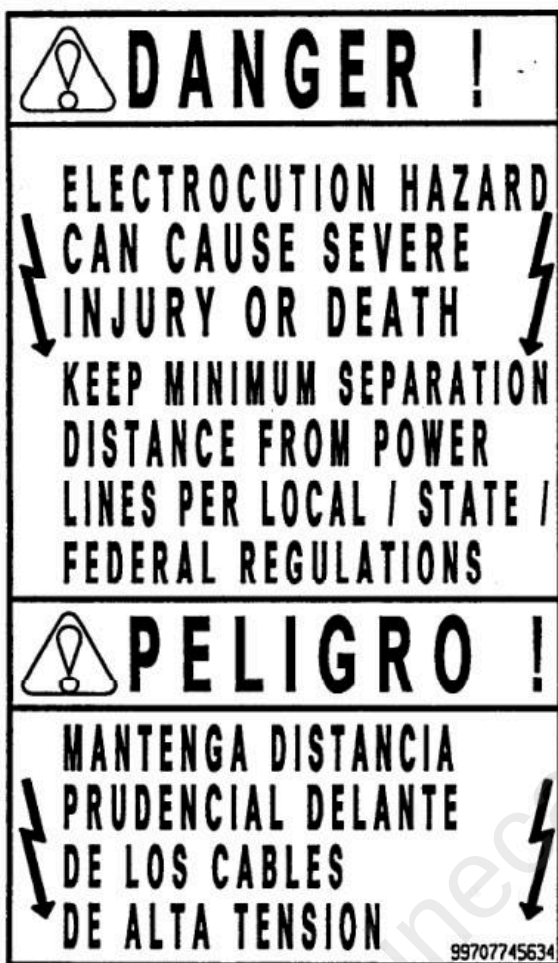
Model TT-800XXL-1

Applicable Serial No. 475326~

▲ CAUTION: Read this manual before operating the crane. Save this manual for future reference.

TADANO LTD.

No.42



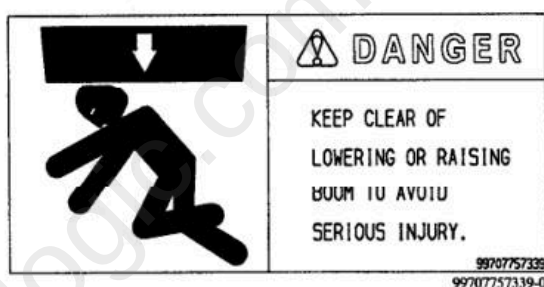
No. 43



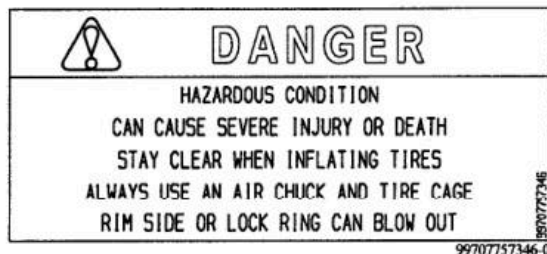
No.44



No.45



No.46



No.47



Disposition of System Troubles

How to Use AML Override Switch and Override Key Switch

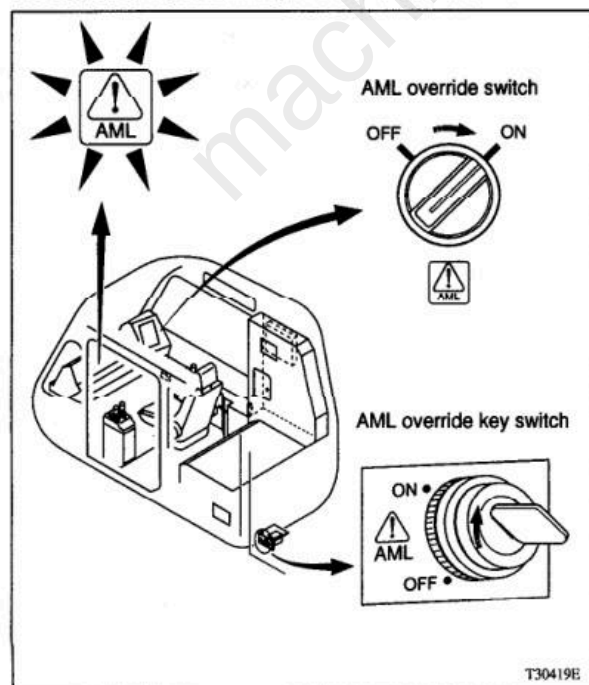
⚠ WARNING

⚠ Keeping the AML override switch set to ON and the override key switch set to ON cancels the AML's safety feature, the stop function. Using these switches during normal operation is extremely dangerous. Do not use these switches during normal operation. Use the switches only when operation has been disabled due to failure of the AML system. Be sure to set the load on the ground and retract the boom before using the switch. Use the elevating and/or swing functions to stow the boom.

If restoring operations after a failure message appears does not normalize crane operations, the AML is in trouble. When the system is out of order, crane operation becomes impossible.

The AML override switch and override key switch are only intended for use to stow the boom. Insert the key into the key hole and turn the switch to ON. The crane operation is available and the AML cancellation warning lamp lights up while the AML override switch is kept in the ON position in this condition.

◆ The key should be kept by a person who takes care of the crane, or a person responsible for job-site works.



How to Use Outrigger State Emergency Register Switch

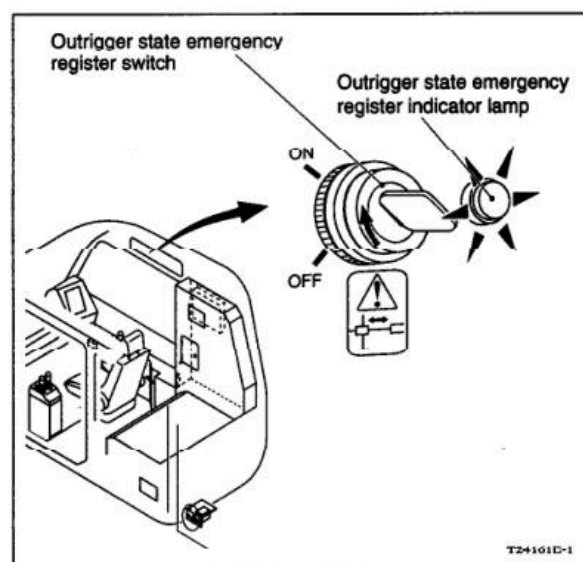
⚠ WARNING

⚠ Use the outrigger state emergency register switch only when the crane is in an emergency. After the operation, contact your nearest TADANO distributor or dealer to repair the outrigger detection device.

When the outrigger extension detection device, such as a code reel, breaks down, the registered outrigger state in the AML is cancelled to make the crane inoperable. In this emergency, use the outrigger state emergency register switch to register the outrigger state into AML, and the indicator lamp will light up.

1. Set the outrigger state emergency register switch to ON. The outrigger state emergency register indicator lamp will light up and the outrigger status, front jack status, counterweight status and lift status on the AML will be set to the default status.

◆ At this time, a message of "Warning: 0041" may appear on the display. If the message disappears in 2 to 3 seconds, the operation goes back to normal.



Single Top Lift

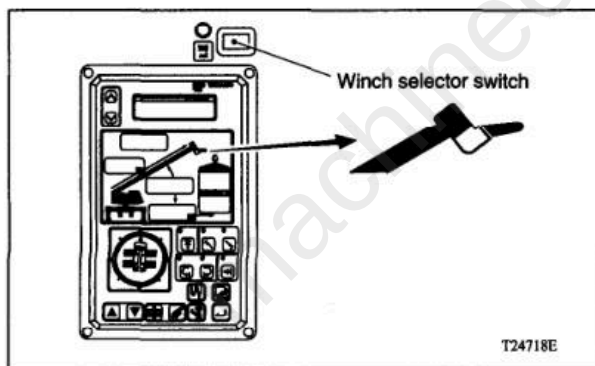
⚠ WARNING

⚠ The rated lifting capacity for a single top lift is determined by subtracting the mass of auxiliary lifting equipment suspended from the boom head from the rated lifting capacity for a boom lift. The maximum load permitted for the single top, however, is limited to 11,000 lbs (5,000 kg). If the load obtained from the above calculation is over 11,000 lbs (5,000 kg), 11,000 lbs (5,000 kg) must be taken as the rated lifting capacity.

The single top is mounted on the the boom head and used for lifting relatively light loads. Although the load that the single top can handle is limited in weight, the single top utilizes a single rope arrangement which significantly shortens hoisting time.

◆ Prior to lifting a load with the single top, select the single top lift status on the load moment indicator.

◆ Select the winch to be used for single top lift on the load moment indicator using the winch selector switch. When the winch selection indicator lamp is lit, the auxiliary winch is selected; when the lamp is not lit, the main winch is selected.



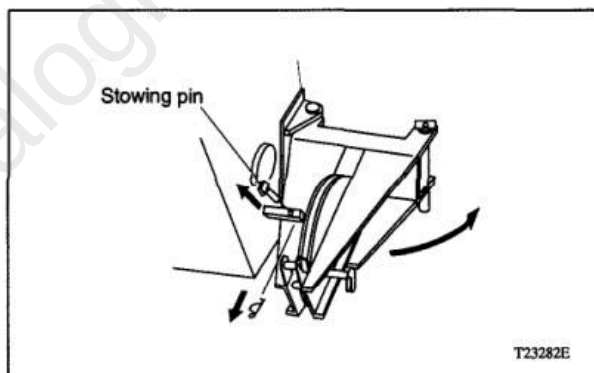
Mounting the Single Top

⚠ WARNING

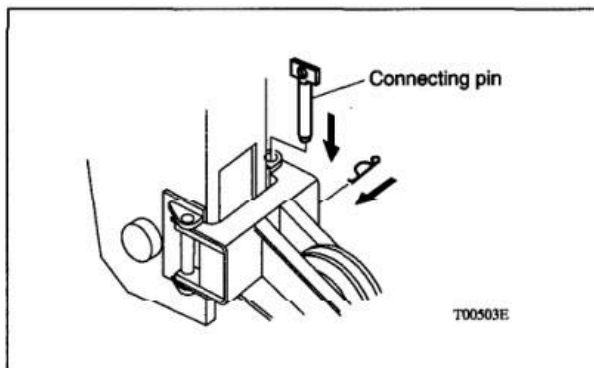
⚠ When working at an elevated position, use a platform or scissor lift to prevent falling and ensure safety.

⚠ Mount the single top securely. Use the attached bolts, cotter pins and rings to ensure that the stowing pin, connecting pins, rope guide pins, and hook mounting pins do not slip out of position.

1. Fully extend the outriggers and set the crane in a level position.
2. Lower the boom all the way down.
3. Remove the stowing pin and swing the single top forward. Replace the stowing pin in its original position.



4. Insert the connecting pin to secure the single top in position.



Oil Level Check (Hydraulic Oil Tank)

..... **Once a Day**

Oil Replacement (Hydraulic Oil Tank)

..... **Every 4,000 Hours**
or Every 4 Years
 **Every 2,000 Hours**
or Every 2 Years

[NOTICE]

◆ After the hydraulic oil has been replaced, the hydraulic pump must be bled since air may be present in the suction side of the pump. The hydraulic pump could experience failure if it is operated without first bleeding it. The hydraulic pump must not be operated after replacing the hydraulic oil unless it has been properly bled. For instructions on how to bleed the hydraulic pump, contact the nearest TADANO distributor or dealer.

◆ Replace the oil within 250 hours or 3 months after the machine has been delivered (whichever comes earlier):

- Replace it every 4,000 hours or 4 years after that.

(Applicable to TADANO Hydraulic Oil LL.)

- Replace it every 2,000 hours or 2 years after that.

(Applicable to other than TADANO Hydraulic Oil LL.)

◆ Replace the oil filters described in this chapter at designated intervals.

Checking Oil Level

1. Stow the crane in the traveling configuration on level ground.

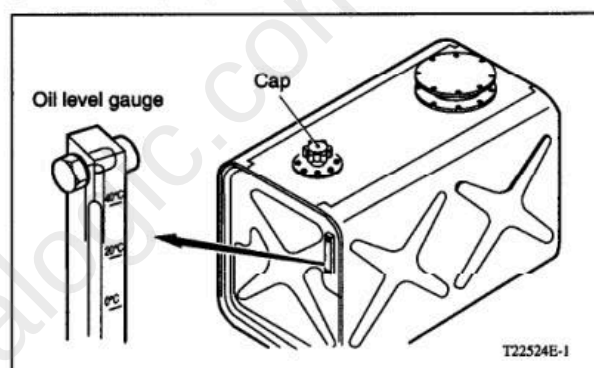
2. Check the oil level with the oil level gauge. The oil level gauge is marked taking into account the effect of oil temperature. Check whether the oil level is between the 32°F (0°C) mark and the mark corresponding to the current oil temperature.

If the oil is low, remove the cap on the hydraulic oil tank and add oil through the filler port.

- Example -

When the current oil temperature is 68°F (20°C), there is sufficient oil in the tank if the oil level is between the 32°F (0°C) and 68°F (20°C) marks.

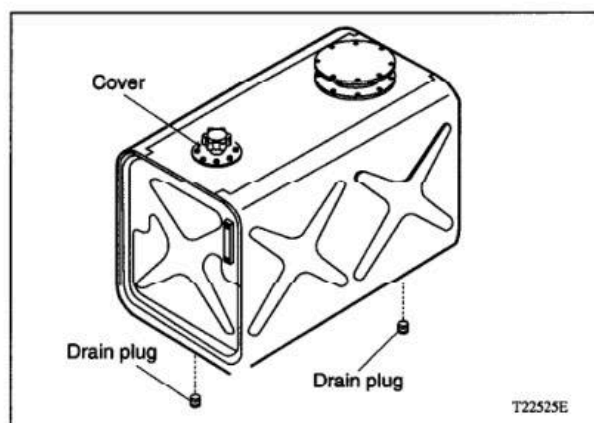
◆ When the oil temperature is 32°F (0°C) or lower, regard the 32°F (0°C) mark as the proper level.



Replacing Oil

◆ When replacing the hydraulic oil, also replace the return filter.

1. Stow the crane in the traveling configuration on level ground.
2. Remove the cover from the filler port and use an oil pump to pump the hydraulic oil from the tank into an oil drum or other suitable container.



Full Version Available

Tadano TT-800XXL-1 Truck Crane Operator Manual

Tadano TT-800XXL-1 truck crane operator manual, covering controls, setup, load charts and daily checks. 4 PDF files, 499 pages. Instant PDF download.

VIEW THE FULL MANUAL

<https://machinecatalogic.com/tadano-tt-800xxl-1-truck-crane-operator-manual/>

Book No: TT-800XXL-1-O1(U)-1E · File Pages: 499 · File Count: 4 · File Language: English