

TECHNICAL TIPS

CRANES

Type of Tip:

Traveling on the Jobsite

Necessary Tools:

No Tools Required

Applicable Models:

**RT120, 130, 160, 175, 180, 190, 230,
335, 345, 440, 450, 555, 55, 665, 775,
780, 110, 1120.**

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Basic Safety Rules



Danger

Failure to follow the instructions and safety rules in the Operator's Manual and Service Manual appropriate to your machine will result in death or serious injury. Many of the risks identified in the operator's manual are also safety risks when maintenance and repair procedures are performed.

Do not perform maintenance unless:

- You are trained and qualified to perform maintenance on this machine.
- You read, understand and obey:
 - The manufacturer's instructions and safety rules
 - Employer safety rules and workplace regulations
 - Applicable government regulations

- You have the appropriate tools, lifting equipment and a suitable location.

The information contained in this technical tip is a supplement to the service manual. Consult the appropriate service manual for your machine for safety rules and risks.

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When traveling around a job site, it is very important that the crane operator is very aware of what is happening with the crane as well as with other vehicles and personnel on the job site. The crane operator should observe the following rules as well as good common sense while moving a crane around a job site.

NOTE: See the “ON TIRES LIFT” instructions found in the Operating Instructions section for Information on moving the crane with a load.

- Carry the boom over the front only.
- Lock the swing brake and swing lock.
- Secure the hook block or ball to the bumper loop or raise the hook block or ball close to the boom head sheaves before moving.
- Make sure all outriggers are completely retracted before moving the crane.
- Do not travel with boom above horizontal unless the surface is firm, level and free of bumps and potholes.
- Watch for overhead obstructions such as trees, power lines, or bridges.
- If the terrain is rough or uneven it may be necessary to travel at a reduced speed to prevent instability or damage to the crane.
- Operating on steep grades requires caution because the oil in the engine or transmission will move to one side of the engine or transmission. As a result, the engine or transmission may not be fully lubricated which could damage the engine or transmission.

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- The operator must be very careful on steep side slopes to avoid tipping the crane.

NOTE: This machine can travel on 15° side slopes which have a firm level prepared surface. Due to variations in surface, tire pressure, bumps, potholes, etc., we recommend that travel on side slopes be limited to 5° and that the boom be horizontal or below.

Transporting the Crane



The boom must be stowed in the boom rack before transporting the crane.

- The boom extend sections should be restrained to prevent gradual roll-out when transporting the crane on a semitrailer. The hydraulic system will not hold the sections against the hard breaking jolts while the crane is being transported.
- Restrain the boom extend sections by snugging the hook block against the boom head, or secure the boom head back to the base section of the boom with chains or cable. An extended(ing) boom can cause substantial damage.