

# TECHNICAL TIPS

## CRANES

Type of Tip:

### RT Crane Movement with Swing Away Jib Erected

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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CRANES

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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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Operation ON TIRES with the swing-on jib erected moves the center of gravity of the crane toward the end the boom is over and upward decreasing the overall stability of the crane not only over the end but sideways as well. For this reason, such operation is not recommended except when moving short distances to reposition the crane or moving into or out of a position where the swing-on cannot be erected in position. The following conditions should be observed when such a move is undertaken:

NOTE: As in all ON TIRE work, proper tire inflation is necessary for safe operation.

- The surface over which the crane is to be moved must be hard and level.
- The powered boom is to be fully retracted and positioned at no more than a 40 degree boom angle.
- The crane cannot carry suspended loads while moving with the jib erected.
- Hook blocks or balls must be restrained so that they cannot swing and damage the jib during the move.
- Travel speed should be limited to 2.5 mph while moving the crane with the swing-on erected.
- The boom should be positioned straight over the front (or in the case of a truck crane – over the rear) during the move.

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- It is recommended that the swing brake be engaged and the mechanical house lock set.
- If space permits, it is desirable (though not mandatory) to have the outrigger beams extended and the jacks partially lowered during the move. (The operator must take this determination based on job site conditions.)