

### Lift-Tek Mast Carriage Side Thrust Roller Adjustment

This sheet describes procedures and processes to properly adjust the carriage side thrust rollers.

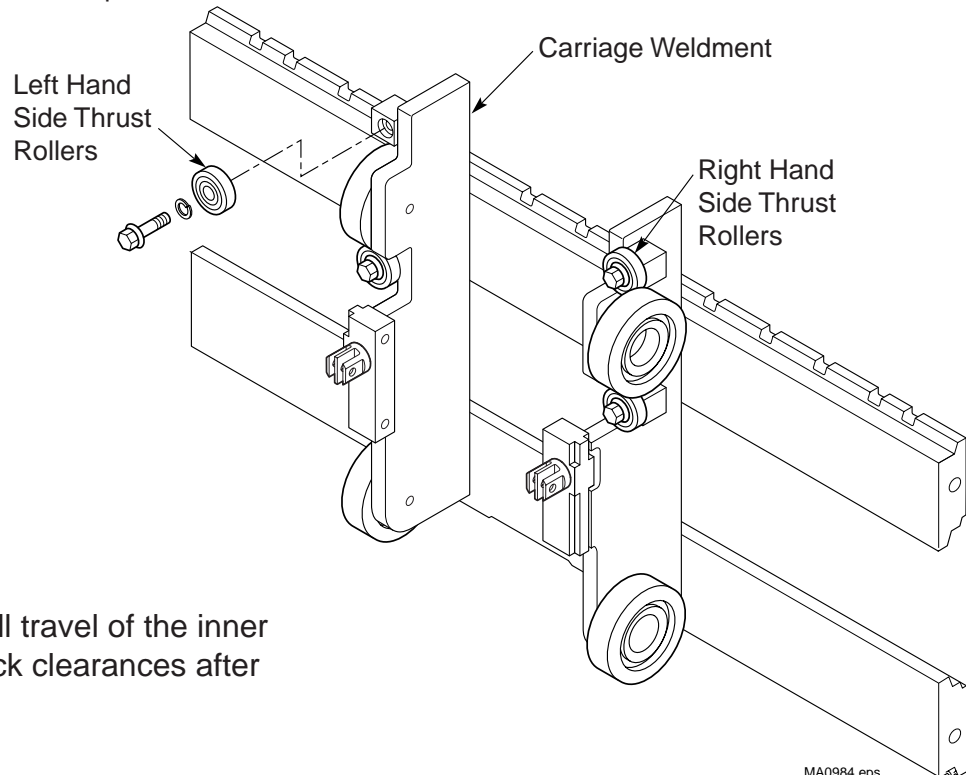
#### 2 - Stage Limited Free Lift Masts

- 1 Roll the carriage the full travel of the inner upright channel checking side play and freedom of movement.
- 2 Adjust the carriage side thrust rollers for unrestricted clearance along the travel of the carriage. The rollers have eccentric mount bases.

**RIGHT HAND ROLLERS** - Turn the bottom of the roller toward the upright rail to decrease clearance.

**LEFT HAND ROLLERS** - Turn the top of the roller toward the upright rail to decrease clearance.

- 3 Tighten the roller capscrews to a torque of 70 - 80 ft.-lbs. (95 - 110Nm).



- 4 Roll the carriage the full travel of the inner upright channel to check clearances after adjustment.

**Note:** This information should not be interpreted as the basis for warranty claims unless so designated.

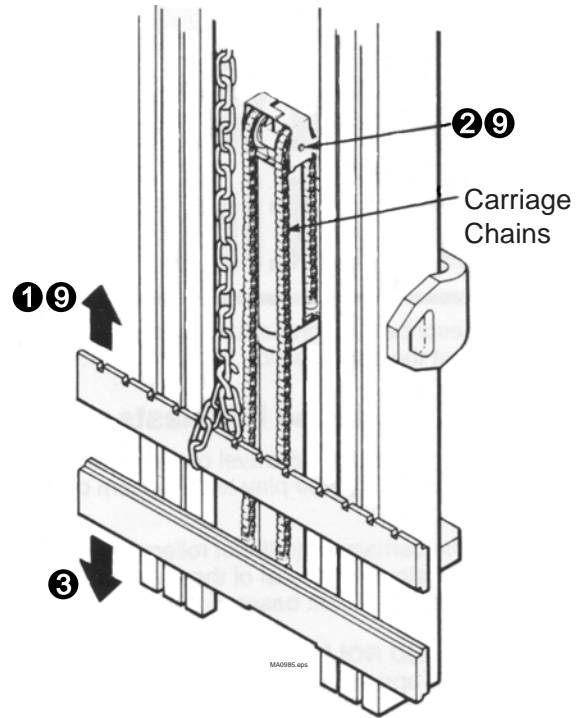
Part Number : 200263

### 3 - Stage Full Free Lift Masts

- 1 Attach an overhead hoist to the carriage. Raise the carriage to slacken the carriage chains.
- 2 Remove the chain guards from the crosshead. Pull the chains off the rollers and lay them next to the cylinder.
- 3 Lower the carriage to the ground.
- 4 Operate the truck lever to raise the mast. The free lift cylinder will extend fully, then the main lift cylinders will raise the intermediate and inner uprights. Raise the uprights until the carriage is free of the inner upright.
- 5 Adjust the carriage side thrust rollers for unrestricted clearance along the travel in the inner upright. The rollers have eccentric mount bases.

**RIGHT HAND ROLLERS** - Turn the bottom of the roller toward the upright rail to decrease clearance.

**LEFT HAND ROLLERS** - Turn the top of the roller toward the upright rail to decrease clearance.



- 6 Tighten the roller capscrews to a torque of 70 - 80 ft.-lbs. (95 - 110Nm).
- 7 Use the hoist to roll the carriage the full travel of the inner upright channel to check for clearances after adjustment.
- 8 Operate the truck control lever to lower the mast uprights and install the carriage in the inner.
- 9 Raise the carriage to install the carriage chains on the crosshead rollers. Install the chain guards and tighten the capscrews to a torque of 48 - 52 ft.lbs. (65-70 Nm).

