

TECHNICAL BULLETIN

TB # 0815.3

DATE: August 12th 2015

PRODUCT: All Elevators (Residential & LULA)

SUBJECT: Inspecting and Adjusting New Rollers

It is important that the weight of the elevator rests evenly on the four fixed rollers, and that all other rollers are touching the rail but not under tension. The setup procedure should be used to setup the rollers correctly during the installation, and when one or more rollers have been replaced. The Inspection should be done whenever there are concerns about roller flat spots or noises, and at annual maintenance visits.

Sling roller inspection procedure:

1. Check that each fixed roller has weight on it and cannot be turned by hand.
2. Check that each adjustable main roller does not have weight on it, is in contact with the rail but can be turned by hand.
3. Check that the sling is straight and running true by ensuring the inside edge of the rollers are flush with the DBG face of the rails.
4. Check that the four side rollers are touching the rail but can still be turned by hand.
5. If any of the above procedures find faults the setup procedure should be performed.
6. Inspect the rollers for cracks or deformities. If found, these rollers should be replaced.
7. Ride the elevator and ensure the ride is smooth. If flat spots can be felt/heard, some of the rollers may need to be replaced.
8. Check that the brakes have a 1/16 to 1/8 gap between the back of each brake and the back side of the rail, adjust the brakes if necessary.

Sling roller setup procedure:

1. If the cab is already connected to the sling, back off all eccentric main rollers and confirm that all four of the fixed rollers are in full contact with the rail and appear to have an even amount of weight on each. If not, the cab may be twisting the sling and it will need to be detached from the sling before the

rollers can be adjusted. Once the procedures are done the cab will need to be adjusted before it is attached to the sling.

2. Loosen the four eccentric rollers.
3. Loosen the four side rollers.
4. Shift the sling till it is straight and centered by ensuring the inside edge of the rollers are flush with the DBG face of the rails.
5. Tighten the side rollers till they touch the rail but can still be turned by hand.
6. Tighten the adjustable main rollers (bottom ones first) till they make contact with the rails but can still be turned by hand.
7. Re-check that all side and adjustable main rollers are touching and still can be turned by hand.
8. Check that the brakes have a 1/16 to 1/8 gap between the back of each brake and the back side of the rail, adjust the brakes if necessary.

Cab adjustment and attachment:

It is essential that the cab not be pulled straight by using the attachment points between the sling and the cab.

1. Check that the floor is level, and shim if necessary.
2. Check that the walls are plumb. It may be necessary to loosen the bolts to shift the cab. Retighten bolts.
3. Hold cab in position by pushing against walls if necessary.
4. Attach cab to sling.
5. Check that cab is straight and square.
6. Recheck that weight is on all fixed rollers.
7. Recheck that all adjustable rollers are touching the rails but can be turned by hand.
8. Check that the brakes have a 1/16" to 1/8" gap between the back of each brake and the back side of the rail, adjust the brakes if necessary.

Call CE technical support if you require any assistance with this procedure: Toll-free 1-866-209-3421