

TECHNICAL BULLETIN

For the Attention of : Installers, Trade Customers

Date : 15/11/07

Product : System 21 Passenger Lifts

Subject : Sling Installation

Status : Technical Information

Pages : 1 of 2

Originator : Stannah Lifts Ltd, Anton Mill, Andover, Hants SP10 2NX 01264 339090

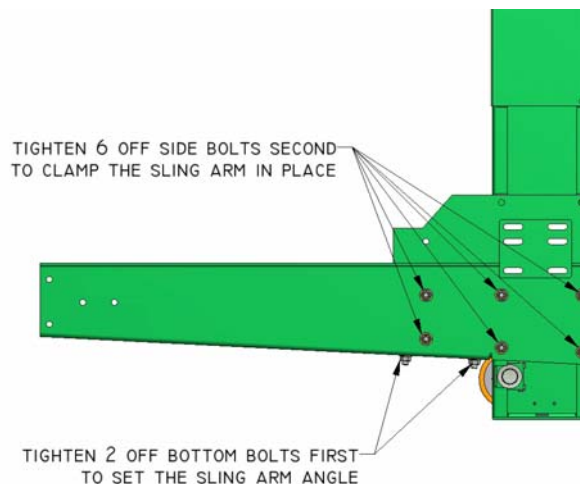
It has recently been reported that upon installation of the sling the rollers have been lifting away from the guide rails on 6 person sling assemblies. The design incorporates several areas of adjustment. These are intended to accommodate a build up of small discrepancies but it is vital that the basic alignment of the components is correct before making any adjustments.

If the following steps are carried out the amount of packing and adjusting will be kept to a minimum and will result in a more efficient installation.

1. Check that the guide rails have been plumbed correctly to GA, BWD and the correct Distance Between Guides has been set.

Note: If assembling the sling on the buffers, ensure the top of the buffers are level with one another with a spirit level.

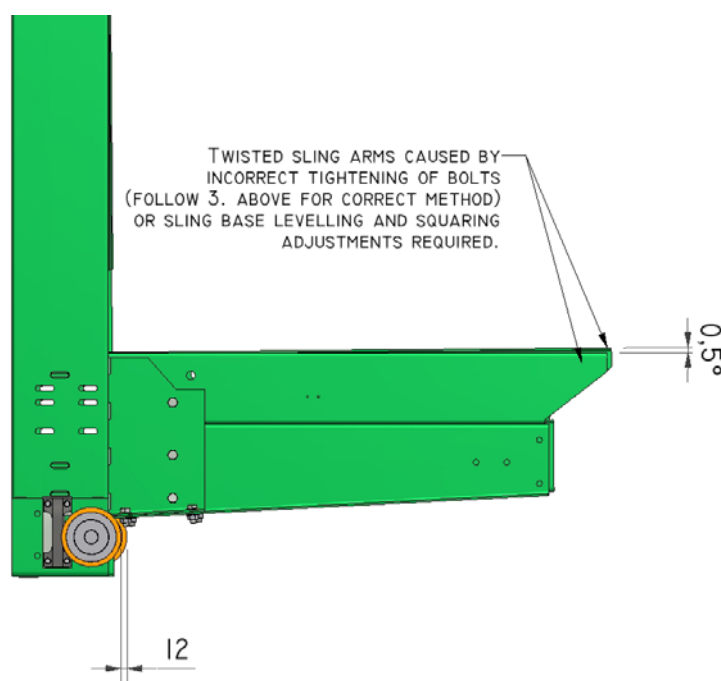
2. Top and Bottom rollers should be set to their mid-adjustment position to allow for full range of adjustment upon completion of the car on the sling.
3. When the sling arm is bolted to the sling uprights the bottom two bolts underneath the arm must be tightened first and foremost. This sets the sling arm angle at the correct position. The side bolts can then be tightened once this has been completed. At this stage both sling arms should be level and parallel to each other, this should be checked with a spirit level.



- Place the sling base on to the sling arms. The base should sit flat along the full length of both arms. If it does sit flat then bolt the base to the arms and move on to step 5. If the base is not sitting flat, then either the sling arms are not parallel (check steps 1, 2 and 3 again) or the base itself is “twisted” and/or “out of square”.

Any twist can be identified using a spirit level and squareness can be checked using a tape measure across the diagonals. In most cases the discrepancy will be small, any tendency for a roller to come away from the guide is eliminated as the mass of the car is added during the installation.

Once the base is flat and square, fasten it to the sling arms.



- The car floor can then be installed. Shims are provided to enable the floor to be set level. If any of the rollers are not sitting on the guide at this stage, this needs to be taken into account so that as the Car, PDO etc are added, the floor will be level at the completion of the installation.