



# **T.I.P. Troubleshooting Information on Power Gear**

## **BEDROOM SLIDE FIELD REPAIR INSTRUCTIONS.**

Some bed slide assemblies have experienced a problem where the drive gear is too far away from the gear rack, and the gear will climb or skip, damaging the teeth. The repair consists of taking out the nylon bearings on the gear shaft and replacing them with brass bearings that have offset holes. By installing the brass bearings with the holes closer to the rack, the gear shaft and gear are moved closer to the rack.

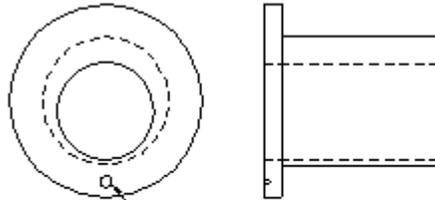
Repair kit includes two brass bearings, and two brass washers. You will also need to provide Loctite® 680, 660, 620, 609, or 603 retaining compound from a local source. Loctite ® 7649 primer is optional but it helps speed up the cure time.

### Repair steps:

1. Disassemble the frame (top) of the bed slide from the bottom (cage).
2. Disassemble the square drive tubes from the round drive shafts.
3. Pull out the hairpin clips on both sides of the round drive shaft/gear assembly (one gear shaft on each side of the cage). Remove the gray nylon bearings.
4. The brass bushing has the gear shaft hole offset. If you install the bushing with the offset hole closer to the rack, it will move the gear closer to the rack. There is a punch mark on the head of the brass bushing. If the punch mark is next to the rack, the gear will be moved as close to the rack as possible.
5. Make a trial fit without the Loctite® to make sure the gear and rack engage ok. It is possible for the offset bushing to move the gear too close to the rack. In this case, you can back off the bushing by rotating the bushing to move the punch mark away from the rack, until the gear and rack are not jammed together. The bushing can be installed from either side of the steel sleeve. Note the position of the dot.
6. To install the bushing, clean out the inside bore of the steel housing with lacquer thinner or acetone and let it dry. Apply primer to the steel bore at this point if you so choose. You do not need primer on the brass.
7. Apply Loctite® inside the steel bore and on the outside of the brass bushing. Insert the brass bushing into the steel bore. Install with the punch mark in the same position as noted during the trial fit. Wipe off the excess. The Loctite® will harden in about ten minutes, but it won't be very strong for about 2 hours. Do not re-assemble the bed slide until two hours have gone by.
8. Reassemble by installing the brass washer. Then oil the gear shaft and slide it into the brass bearing. Reinstall the hairpin clips. Reassemble the drive tubes.



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DIMPLE NEAR OFFSET HOLE.  
SIZE AND LOCATION NOT CRITICAL.  
CENTER PUNCH MARK O.K.