Aligning Bearing Mounting Plates

Context

☑ ThermoFlex

Background

Rails on the underside of the flash cover slide along roller bearings mounted on fixed bearing plates. Proper alignment of the bearing plates is essential to smooth linear movement of the flash cover.

Tools and parts

- 3mm, 4mm Allen Keys
- Lithium Grease

Steps

Remove the flash cover before proceeding (see flash cover removal and installation procedure).

1. Remove both rails from the flash cover.
2. Mark the rails with their original location (e.g., Left / right).
3. Slide the rail onto the corresponding set of rollers.

   The rail should slide with minimal effort and there should be virtually no play between the rollers and the rail contact surfaces.

   If rails do not slide smoothly:

   - check the rail and rollers for wear
   - replace parts as required

   If play is present between the rail and roller contact surfaces:

   - adjust the roller bearings (see procedure)
   - re-install the rails onto the flash cover
   - lightly lubricate the bearings and rails with lithium grease.
4. Secure one of the roller bearing plates.
5. Loosely install the screws of the remaining bearing plate.
6. The flash cover is used as an alignment template.

   Slide the flash cover fore and aft on the bearings to set the position of the remaining bearing plate.
7. Carefully pull the flash cover back to expose one of the plate mounting screws and tighten this screw.
8. Slide the flash cover onto the bearings again to check the operation.

   If binding occurs, go back to step 3.
9. Carefully slide the flash cover away from the drum and secure the remaining bearing plate screws.
10. Check the operation of the flash cover once again.

    If the movement is smooth, finish re-installing the flash cover.