Adjusting the Flash Cover Roller Bearings

Context

☑ ThermoFlex

Background

Rails on the underside of the flash cover slide along roller bearings mounted on fixed bearing plates. The bearings must be adjusted for proper flash cover operation.

Tools and parts

- 4mm Allen key
- Rollon roller low profile wrench

Steps

1. Remove the flash cover (see flash cover removal procedure).
2. Remove both rails from the flash cover. Mark the rails with the 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 the rails do not slide smoothly:

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

   If the rails fit well and the sliding action is smooth, go to step 8.
4. Disconnect the lock plunger cylinder airlines and the reed switch sensors (both sides).
5. Remove the screws securing the roller bearing plate to the crossmember
6. Remove the bearing/lock cylinder assembly from the machine.
7. Using the appropriate rail as a template, adjust the middle roller bearing to minimize the play.

   Sliding action should be smooth and free rolling.

   Repeat for the remaining bearing/cylinder assembly.
8. Re-install the rails onto the flash cover.
9. Lightly lubricate the bearings and rails with lithium grease.
10. Re-install and align the bearing mount plates. (see procedure)
11. Re-install the flash cover.(see procedure)