Adjusting 3230 (TS4), 3244 (TS8) TEC backbone cylinder rod ends

Context

☑ Trendsetter 3230 (TS4 Version)

☑ Trendsetter 3244 (TS8)

Special Tools

- Feeler gauge
- 19mm combination wrench
- 16mm combination wrench



WARNING: Failure to follow the safety policies and procedures for field engineers may create a dangerous situation that could result in serious injury as well as damage to the output device. For more information, see: http://techplanet.creo.com/output/computer_to_plate/all_ctp/nav/safety.htm

Steps

1. Activate the TEC valve to move the TEC to the drum.
2. Use the feeler gauge to determine if the gap between the drum and the TEC lock pins is between 0.5 and 1 mm.

   The gap between the drum and the TEC lock pins should be approximately the same on both ends.
3. To adjust the gap, loosen the locknut with the 13 mm wrench, then turn the piston with the 14 mm combination wrench.

   Turn the piston counterclockwise to decrease the gap; clockwise to increase the gap.
4. Once adjusted, hold the piston in place and tighten the lock nut snugly against the piston with 13 mm combination wrench.
5. Check the motion of the TEC unlock mechanism by activating the TEC unlock valve.

   The action of the slider should be smooth and quiet. The default position of the flow control valves is open about 3/4 of a turn.
6. Install two north and south magnetic clamps on the drum as indicated by the labels on the drum.
7. Turn on the power to the recorder (if it is off), connect to the Diagnostics Monitor, and type `getclamp`.

   If the clamp has been adjusted properly, the TEC will pick up all of the clamps.

   The flow control valve on the main actuator cylinders can be adjusted for smooth TEC operation.

The default settings are:

- 11 turns for RETRACT
- 3 turns for EXTEND

To adjust the flow control valve on the main actuator cylinders

1. Turn the TEC control valve on and off and check that the TEC clamps at both ends of the bar contact the drum at the same time.
2. Adjust the flow control valve on the main motor (away) side to match the speeds of the actuating cylinders.

   They should reach top and bottom of travel at the same time.

When the adjustment is complete, lock the flow control valve.

Notes

There is no home side adjustment. Only the away side has a retract control.