Tilt/Telescope Column Tilt Mechanism
Cleaning Procedure for columns TC34017 - TC34025, TC34027-TC34030, TC34032-TC34035, TC34037, TC34040 & TC34041

Remove handle

Remove spring cover plate

Remove screws

1. Extend column to full telescope out, and raise column into full tilt up position to minimize spring loads. Remove tilt handle.

2. Locate the tilt/telescope actuator housing and remove the spring cover plate screw. Remove the spring cover plate.

3. Remove the four (4) screws that hold the tilt/telescope lever actuator housing to the tilt column.
4. Remove the actuator housing and tilt/telescope cam & pin assembly. Do not lose the two springs attached to the cam & pin assembly.

5. Study the location of the lock bar, wedge lock and disengaging plate prior to removal. These components will be installed in the same location later in the procedure.

6. Remove the disengaging plate, lock bar, wedge lock and springs. Replace any component that is damaged or broken.

7. Carefully inspect the disengaging plate for broken, cracked or otherwise damaged tabs. Replace if damaged or broken.

8. Remove all grease and dirt from the lock bar/wedge lock cavity in the main housing by wiping the cavity with a clean shop towel. Clean all components in a clean, petroleum-based solvent and air-blow them dry.

**WARNING** Since they are flammable, be extremely careful when using any solvent. Even a small explosion or fire could cause injury or death.
9. Apply dry lubricant to the cavity in the tilt column housing, the lock bar, wedge lock and the disengaging plate. These components will be either silver or black.

10. Assemble lock bar into main housing with locating pin out. Engage the lock bar teeth with the support bracket teeth.

11. Assemble wedge lock next to lock bar with tapered end toward the support bracket teeth and the locating pin out.

12. Assemble disengaging plate (with tabs out) onto the lock bar and wedge lock locating pins.

13. Install the actuator cam and lock pin assembly, with springs, into actuator housing and bushing assembly. Make sure the actuator housing spring (large) goes into the bushing in the actuator housing. The anti-rattle spring should remain as shown.
14. Assemble the actuator housing assembly on the main housing. The lock pin must be inserted into the bushing in the main housing. Actuator cam ears must be assembled under the disengaging plate’s raised tabs; and actuator housing alignment lugs must be engaged in main housing.

**CAUTION** The springs will push the actuator housing away from the column housing. Hold it tightly until screws are installed.

15. While holding actuator housing firmly down on main housing, tighten four self-tapping screws into the actuator housing and main housing. Torque screws to **40-50 in. lbs.** (4.5-6.8 Nm) using a 5⁄16” hex socket.

16. Assemble lock bar spring on the end of the lock bar and wedge lock spring on the end of the wedge lock. Hold spring cover plate firmly down over the ends of the two springs while turning self-tapping screw into actuator housing and bushing assembly. Torque screw to **40-50 in. lbs.** (4.5-6.8 Nm) using a 5⁄16” hex socket.

17. Reinstall tilt lever.