



INSTALLATION, MAINTENANCE AND PARTS MANUAL

to view the video "Setting a Torque Limiter" https://youtu.be/qyz94Tc1Zfg

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TITAN CONVEYORS

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MODEL 500 TORQUE LIMITER RUN IN AND PRESET TORQUE ADJUSTMENTS

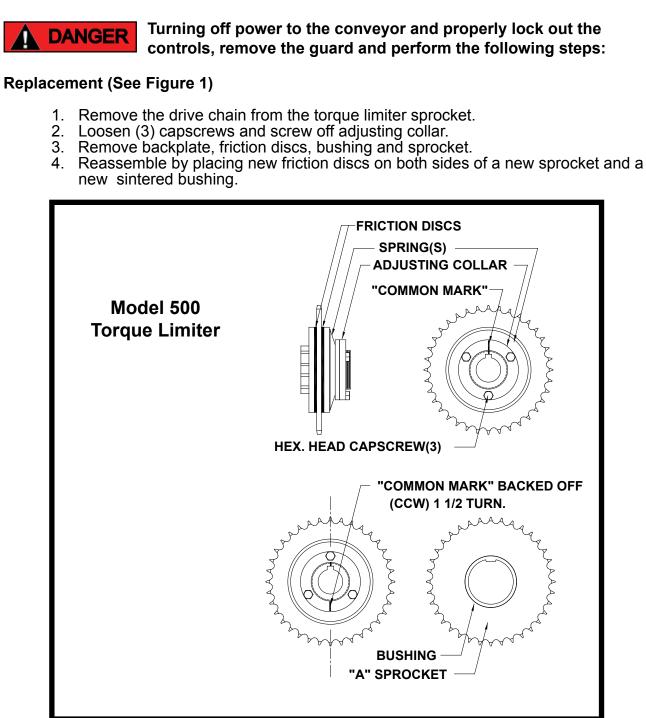


Figure 1

Run IN

- 1. With (3) capscrews backed off so ends are recessed into the adjusting collar, screw on adjusting collar finger tight. Mark the adjusting collar and hub with a common mark.
- Now back the adjusting collar off counter clockwise 1 1/2 turns. Tighten the (3) capscrews until they bottom out on the collar.
- 3. Réplace the chain and let the sprocket slip 3 to 4 minutes.

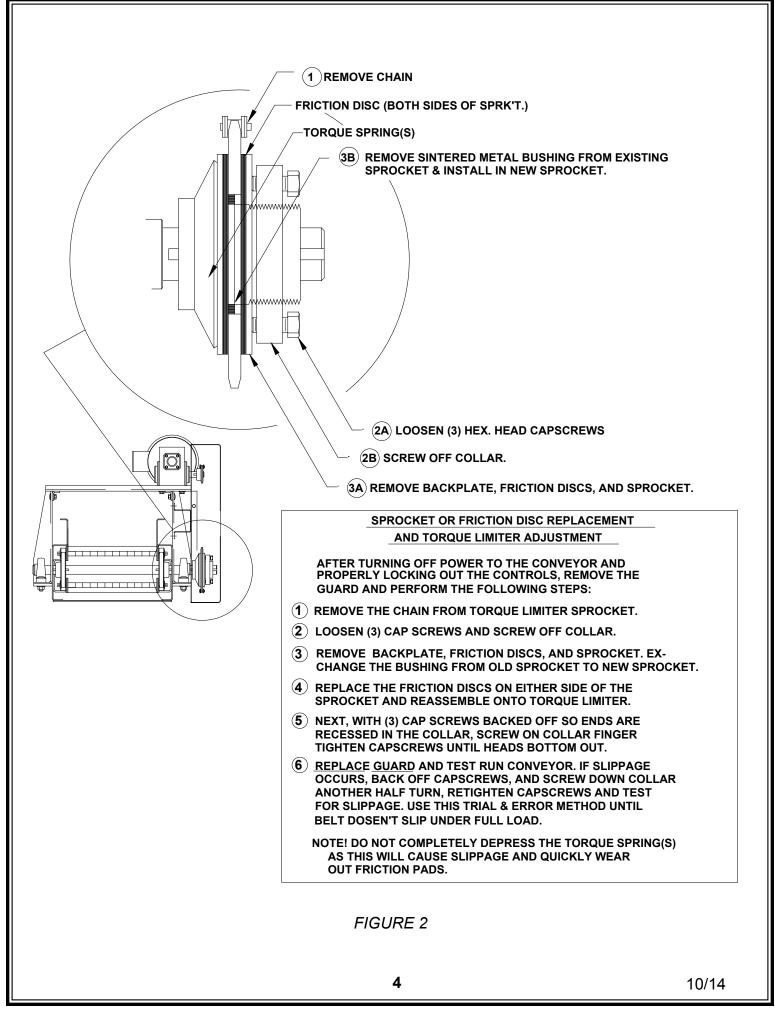
Set Up

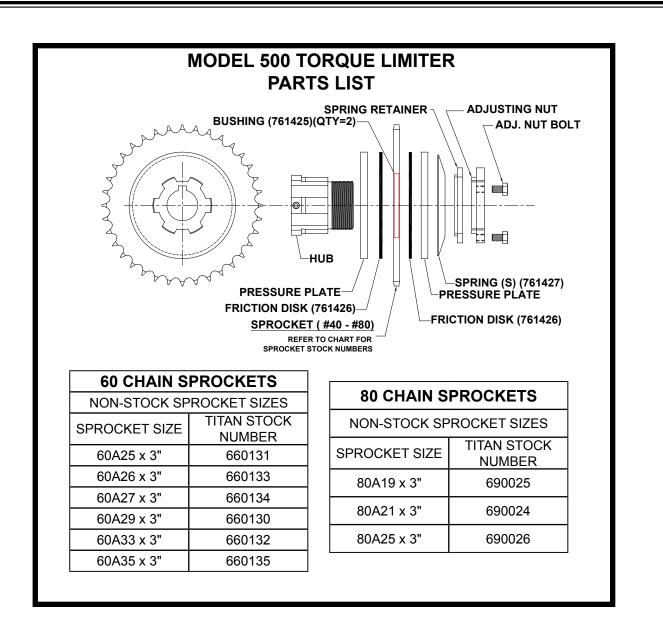
- 4. With "Run In" complete, loosen (3) capscrews as before and rotate the adjusting collar clockwise 1/2 turn. Tighten (3) capscrews until they bottom out on the collar and test for slippage under normal load.
- 5. Repeat, if necessary, until the sprocket doesn't slip. Refer to the chart below for approximate torque ratings based on rotations counter clockwise off of "finger tight".

Model	Approximate Break Away Torque			
500 1 Spring	90 LB FT	150 LB FT	200 LB FT	250 LB FT MAX
500 2 Springs	120 LB FT	300 LB FT	350 LB FT	400 LB FT MAX
TURNS	1 1/2	1	3/4	0

- CLEANING If, under normal load, the torque limiter begins to slip, check the sprocket and friction facings to ensure they are free of oil, grease, moisture, or rust. Clean or adjust if necessary and return to service.
- **REPLACEMENT** After continued slipping it is possible that there is sufficient wear to warrant part replacement. Install new friction discs, reset and run the conveyor.

USE THE FOLLOWING INFORMATION IN FIGURE 2 TO ADJUST THE TORQUE SETTING OR FIGURE 3 FOR PART REPLACEMENT.





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