

3330 Dixie-Narco Blvd.
Williston, SC 29853
www.dixienarco.com

M093.0 DN5800 Belt Tensioner Field Upgrade Kit

6/8/09

Models Affected: All DN5800 Venders.

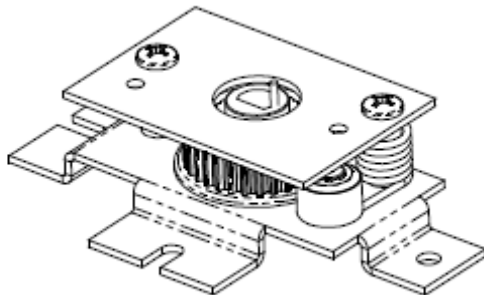
Note: Venders manufactured 8822-0041DG and higher were manufactured with the listed parts.

Reason: To create a field replacement kit to upgrade the belt tensioning components

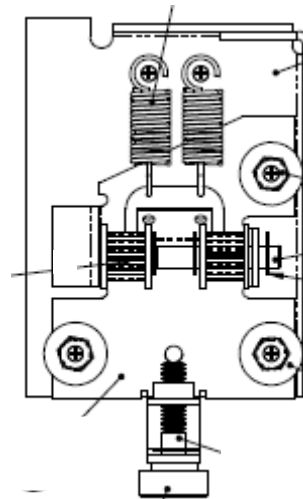
Order: 657,003,80x.x4

Tools required: Philips Screwdriver and 11/32 hex nut driver or socket set.

Parts included in this kit:



X Drive Tensioner Assy.
647,084,70x.x3



Top Left Idler Tension Assy.
647,079,70x.x3

Please read these instructions carefully prior to installing this kit!

If you still have questions, contact Dixie Narco Technical Support Center for additional assistance at 803-266-5001.

Installation instructions:



WARNING: ENSURE THAT POWER IS DISCONNECTED FROM THE VENDER BEFORE WORKING WITH OR ADJUSTING THE VENDING MECHANISM. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY SUBJECT THE USER TO THE RISK OF ELECTRICAL SHOCK OR MECHANICAL INJURY, WHICH CAN BE SERIOUS OR FATAL.

1. Locate the upper X Carriage and loosen the screws as shown in figure 1 to release the belt.

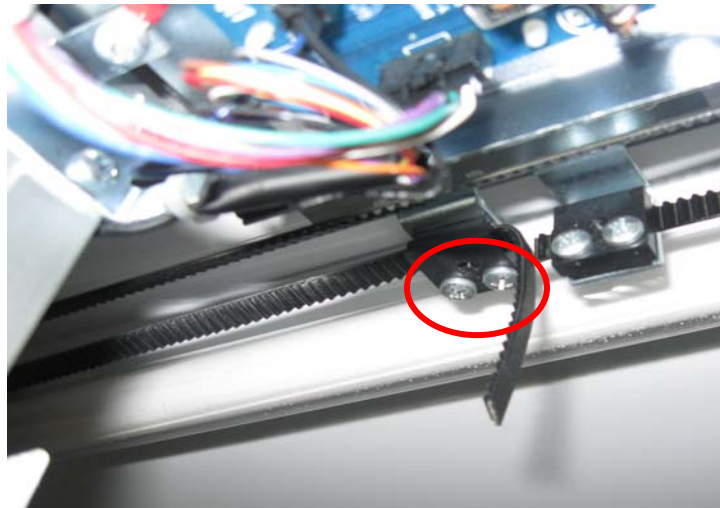


Figure 1

2. Locate and loosen the screws on the belt clamp on the lower X Carriage (shown in figure 2).

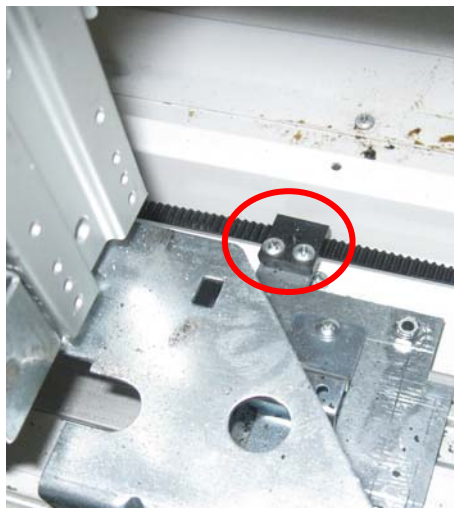


Figure 2

- Partially remove the belt so that the X Drive assembly (figure 3), and the tensioning assembly in the upper left corner (figure 4) can be removed. Pay close attention to the routing of the belt, this will aid in routing the belt after installation is complete.
- Unplug the wiring harness connection from the X motor, and remove the X Drive assembly by removing the three 11/32 nuts as identified in figure 3.



Figure 3

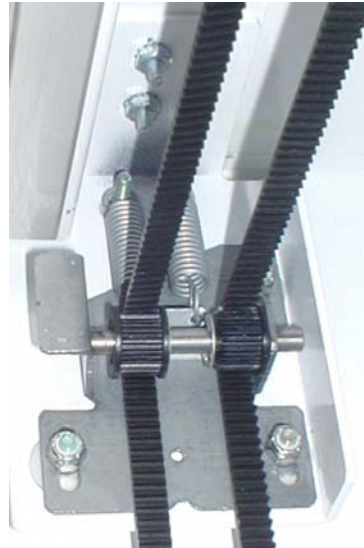
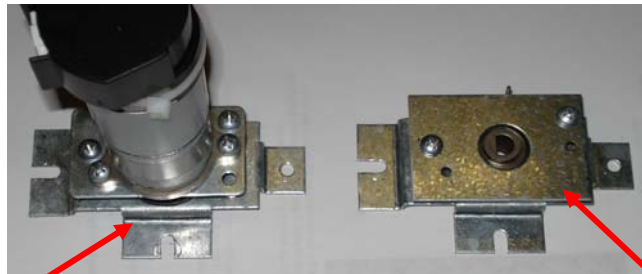


Figure 4

- Remove the motor from the old X drive assembly by removing the two screws located at the motor base. Using the same two screws, thread them into holes in the new X drive assembly, a battery powered screw driver may be necessary.



OLD X DRIVE

Figure 5

NEW X DRIVE



6. Install the new X drive assembly with the tensioner using the three 11/32 nuts. Make certain the ground wire is reinstated under the nut as shown in figure 6.

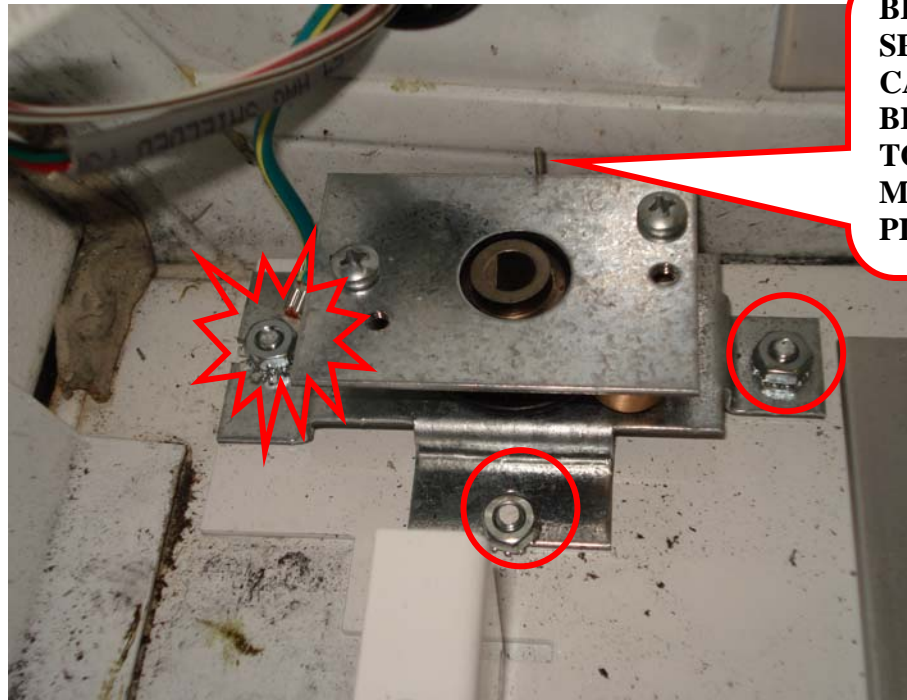


Figure 6

7. Remove the two 11/32 nuts to remove the tensioning assembly in the upper left corner of the cabinet as shown in figure 7.



Figure 7



Figure 8



Figure 9

6. Install the new adjustable tensioning assembly reusing the two 11/32 nuts as shown in figure 8.
NOTE: MAKE CERTAIN THAT THE ASSEMBLY IS MOUNTED FLUSH AGAINST THE TOP X MOUNTING BRACKET. (SEE FIGURE 9)
7. Re-install the belt, recalling how it was routed prior to removing in step 1. Pull the belt through the upper belt clamp as shown in figure 1, and pull on the belt so that the tension is set where the two holes in the upper left corner assembly are aligned as in figure 10. With the two holes aligned, tighten the upper X carriage belt clamp screws. **MAKE SURE THE BELT IS CLEAR FROM THE SPRING AND IT IS NOT TWISTED.**

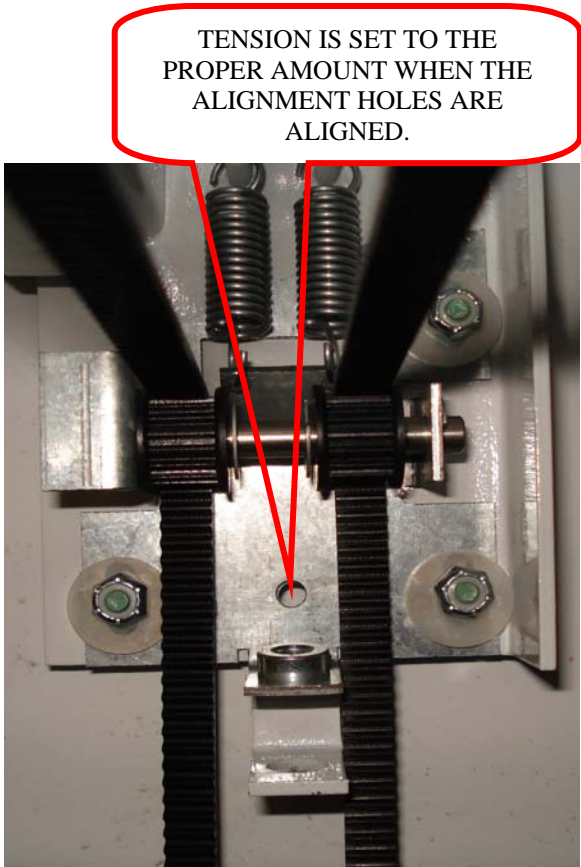
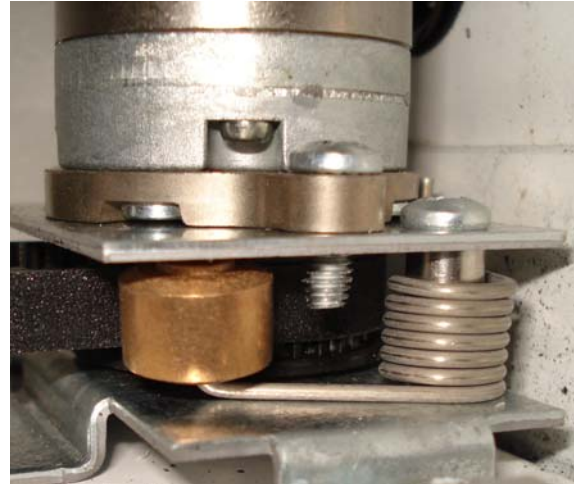


Figure 10



MAKE SURE BELT IS ROUTED PROPERLY BETWEEN THE PULLEY AND OILITE ROLLER AND NOT CAUGHT ON THE SPRING.

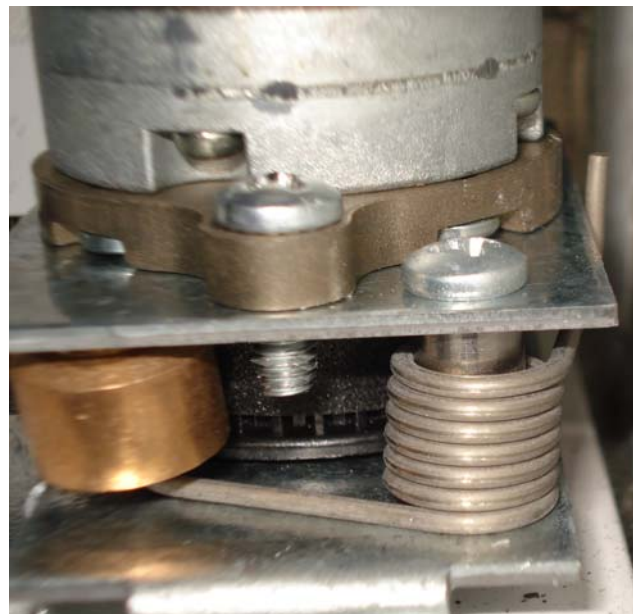


Figure 11



Figure 12

E-Ring groove

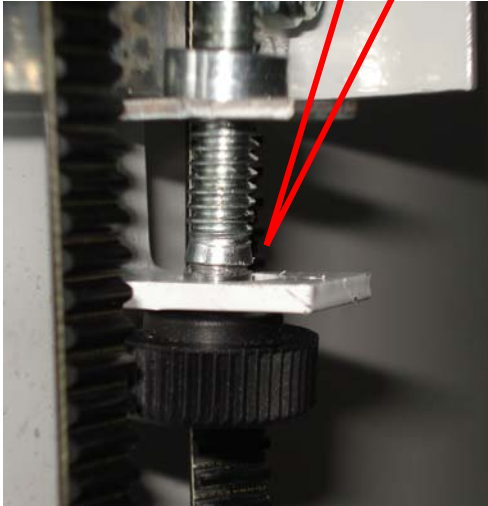


Figure 13

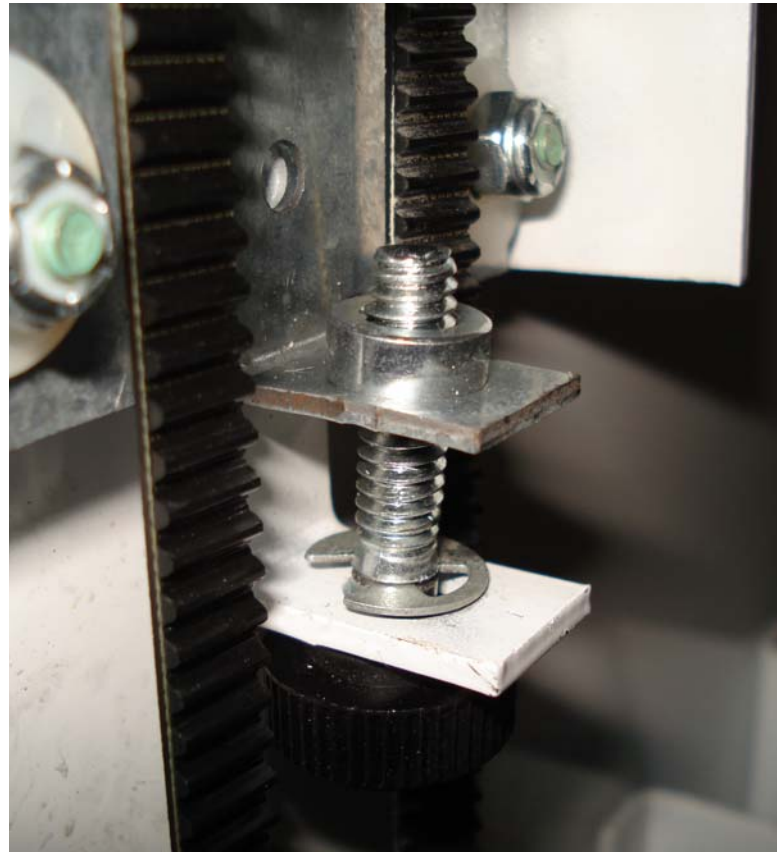


Figure 14

8. Install the adjusting bolt on the upper left corner assembly. Tighten the bolt so that it is just snug and the e-ring groove is exposed. Install the e-ring into the groove. Check the alignment holes (figure 10) and adjust if necessary:
 - a. Tighten the lower X carriage belt clamp (figure 2); making sure that the vertical alignment is correct before tightening.
9. Install the X motor using the two screws and reconnect the harness connection to the motor.

*****Before the machine is placed back into operation make sure*****

1. Belt is routed properly
 - a. Belt is not twisted
 - b. Belt is routed properly in between the drive pulley and Oilite roller.
 - c. Spring on drive assembly is properly captured on the top sheet metal plate and the belt is not making contact with the spring.
2. Proper tension is set by checking the alignment holes in the upper left corner assembly
3. Vertical alignment is correctly set
4. X Motor ground wire is secured correctly
5. All belt clamps screws have been tightened.