

Our name: **QLC, INC.**

Our products: Pressure sensitive labeling equipment and bar code application systems

Our goal: Quality of products, processes, and people

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Rewind Slip Clutch Adjustment – Label-Aire 311xNV series

You may need to adjust the rewind slip clutch if the rewind mandrel is not turning fast enough to take up the label liner, or if the rewind mandrel torque is such that the liner is breaking. When making adjustments to the rewind slip clutch (drawing below) note that the spring tension can be adjusted by adding or removing flat washers. Sometimes it may be necessary to replace the o-ring and slip clutch disk.

To increase friction drive (rewind), add flat washers P/N 7101697, to compress or increase spring tension, (drawing below). To decrease friction drive, remove flat washers P/N 7101697, to expand or lessen spring tension, (drawing below). Flat washers should be added or subtracted one at a time until proper drive is achieved.

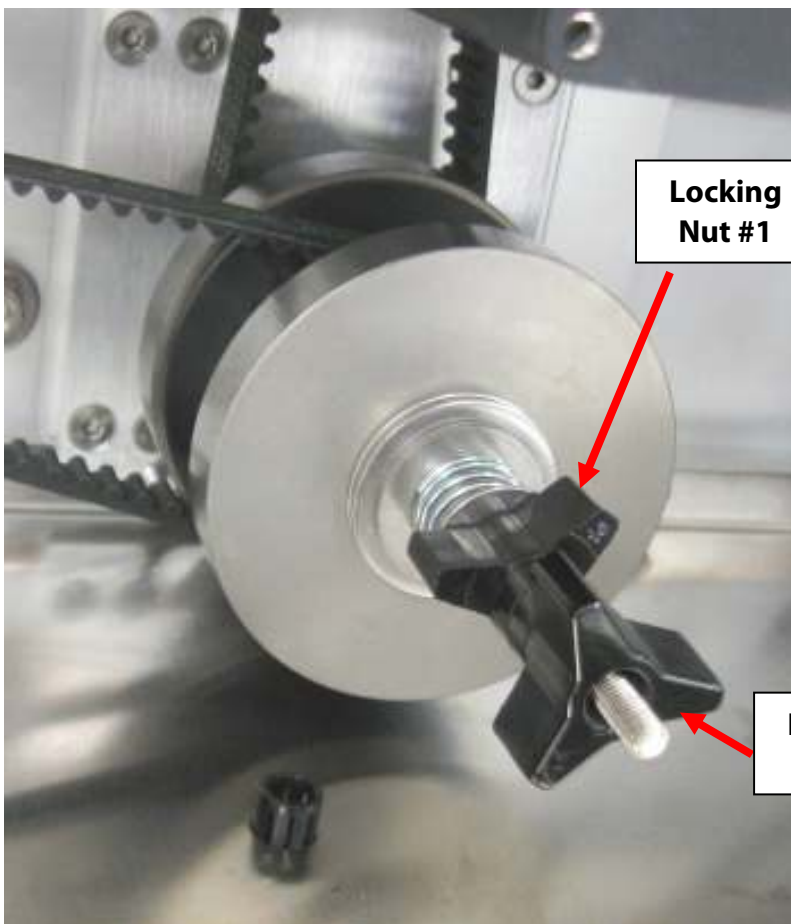
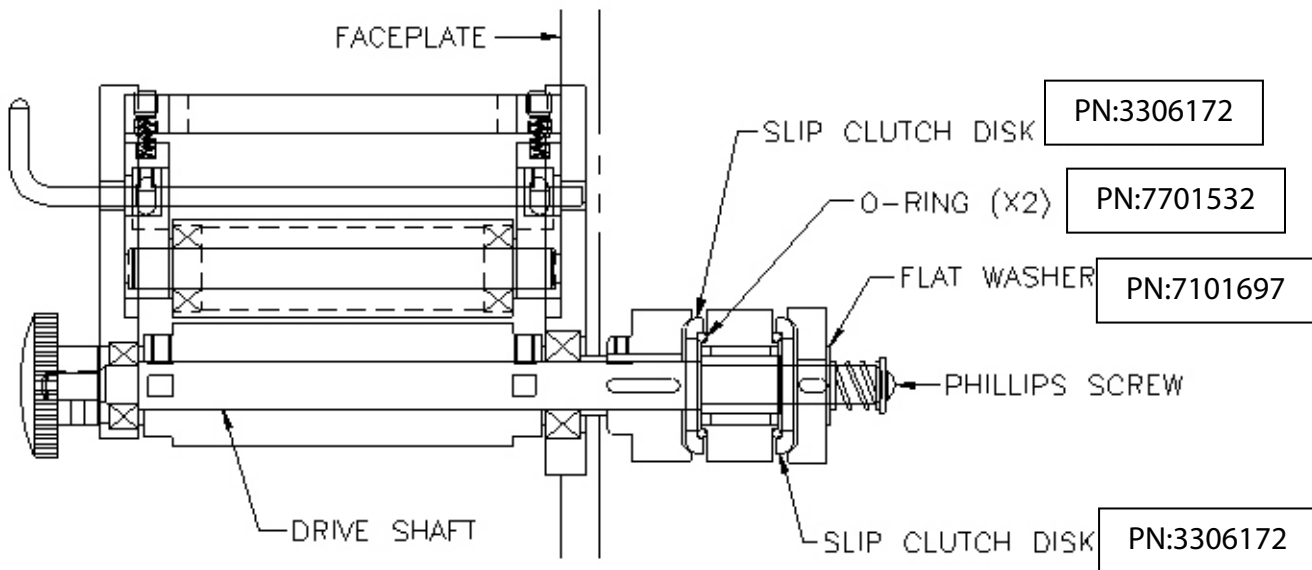
NOTE: Depending on the attitude of the machine, you will need to observe the response of the rewind mandrel from the beginning of a roll, (no web liner on rewind mandrel), to the end of the roll (a full web liner roll on the rewind mandrel). As waste builds up on the rewind mandrel, the weight will play a roll in the way that the rewind operates. Some further adjustments may still be necessary to compensate for the change in load from the beginning to the end of a roll of labels.

When replacing the o-ring and slip clutch disk (drawing below), it will be necessary to follow these adjustment procedures to attain the correct web rewind tension. As the o-ring and slip clutch disk wear you may have to periodically follow the adjustment procedures to maintain consistent web rewind tension.

Follow these instructions to adjust the rewind slip clutch tension.

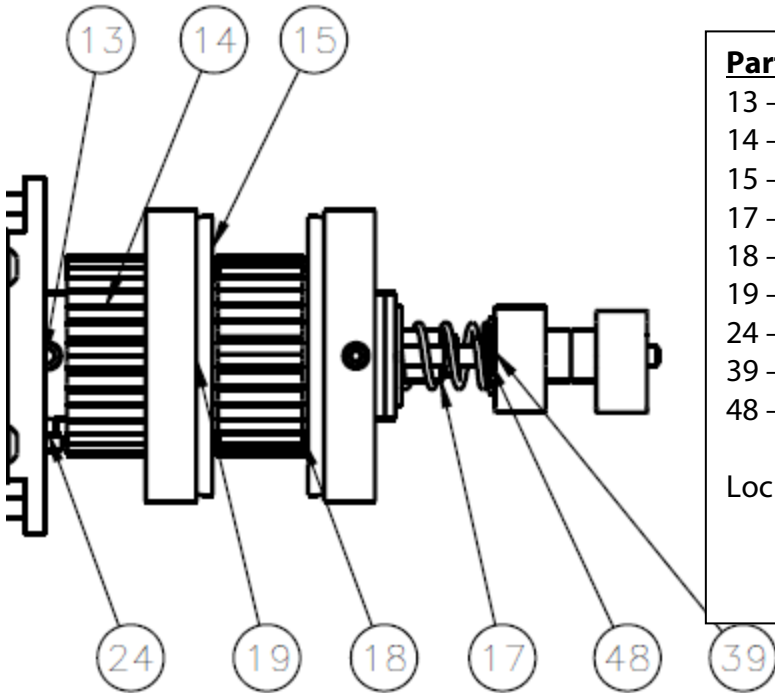
- (1) Turn the [POWER] OFF (F).
- (2) Disconnect the machine A.C. power cord from the A.C. power.
- (3) Disconnect the A.C. power cord from the IEC receptacle on the machine.
- (4) Use a #1 Phillips screwdriver to remove the screws from the enclosure cover. Remove the enclosure cover.
- (5) Use a #1 Phillips screwdriver to remove the screw from the end of the drive shaft.
- (6) Carefully remove the flat washer, and the compression spring.
 - a. Older units have a Phillips screw to remove washer and spring (diagram below)
 - b. Newer units have dual thumb screws to remove washer and spring (photo below)
- (7) Install one flat washer (P/N 7101697) to increase the rewind drive, or remove one flat washer to decrease the rewind drive.
- (8) Carefully re-install the compression spring, the flat washer, and the screw.
 - a. Older units tighten the Phillips screw onto the rewind shaft.
 - b. Newer units tighten the locking nuts onto the rewind shaft (shown below).
- (9) Use a #1 Phillips screwdriver to install the enclosure cover.
- (10) Reconnect the A.C. power cord to the IEC receptacle on the machine.

- (11) Reconnect the machine A.C. power cord to the A.C. power.
- (12) Turn the [POWER] ON (.). Test the machine and observe the rewind from the beginning of a new roll of labels, to the end of the roll.
- (13) Re-adjust if necessary.



All Standard applicators are set-up with the locking nuts all the way inward then lock down Locking nut (# 1) then tighten locking nut (# 2).

If adjustment needed for less pressure is needed loosen locking nut # 2 and # 1 one or two turns counter clockwise retighten locking nuts and run applicator to evaluate tension. Repeat if necessary till the right tension you desired.



Parts:

- 13 – Plate Mounting Adaptor PN:3306158
 - 14 – Pulley 32T PN:3306171
 - 15 – Disk slip clutch PN:3306172
 - 17 – Shaft Drive roller PN:3306177
 - 18 – Pulley 32T PN:3306178
 - 19 – Spacer Slip Clutch PN:3306179
 - 24 – Screw PN:7100051
 - 39 – Washer PN:7436100
 - 48 – Spring PN:7707469
- Locking Nuts (knobs) PN:7703040



O-ring ware:

There is an o-ring and slip clutch disk on each side of the gear. The o-ring does ware out (it doesn't grip well over time) and break. Make sure it is in the proper position. Also make sure it is not pinched incorrectly, torn or worn out.

Slip clutch disk can also ware out. We recommend replacing both at the same time.