

# INSTALLATION INSTRUCTIONS



Part Number: 162-8300  
Part Name: Pinwheel Clutch Pulley  
Revision Date: September 18, 2012  
Written By: Don Agent  
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## Packaging Contents:

Qty.	Part Number
1	162-8300

## Description

\* Installation Instructions

## Tools Required

(1) 9/16 wrench  
(1) 9/16 socket and ratchet

Completely read and understand these instructions prior to the installation of this assembly. If you should have any questions please contact Kegel's Pinsetter Part technical support team at one of the contact numbers listed below.

***The purpose of this kit is to minimize the reversal of the pinwheel when the magnetic clutch is disengaged. Many turn pan jams are a result of the pinwheel traveling backwards and upon restart can cause misorientation in relation to the turn pan. This pulley is 1-way directional therefore when the wheel is stopped it does not have the ability to coast in the reverse direction.***

**Note:** If replacing the original OEM pinwheel brake, you must also have either a spare existing OEM idler arm or you must order the 162-8056 Idler arm from Kegel.

***WARNING! Always remove power to pinsetter by turning off main circuit breaker and disconnecting high voltage input power cord to electrical box when performing service work.***

Steps:

**When replacing OEM pinwheel brake:**

1. Remove the tension from the pinwheel belt.
2. Remove the tension from the crossconveyor drive belt.
3. Using a 9/16 remove the bolts that go through the elevator into each side of the idler arm/pinwheel brake shaft and remove shaft. **Save hardware for reinstallation of shaft.**
4. Remove the brake from the shaft and install either an existing OEM idler arm that you may have in stock or install the 162-8056 that you purchased for this conversion. Make sure to apply some lubrication on the shaft before installing the replacement idler arm.
5. Install the new pinwheel clutch pulley and all related hardware that came with this kit onto the idler arm in the sequence listed below in figure 1. Remember to apply lubrication such as wheel bearing grease to the long spacer that seats inside of the pulley bearing. **Do not install dry.**
6. Reinstall shaft with idler arms and tension spring back into elevator frame with the hardware that you saved from **step 3.**
7. This is also a good time to check your upper pinwheel guide roller adjustment. Refer to the A-2 service manual for this adjustment.
8. Install the pinwheel belt under the pulley.
9. Install the crossconveyor drive belt back onto the secondary idler arm.
10. When installed correctly the pinwheel will rotate clockwise when looking from the back of the pinsetter.

**When replacing OEM idler pulley:**

1. Release tension and remove pinwheel belt from OEM idler pulley.
2. Using a 9/16 wrench and a 9/16 socket and ratchet, remove the bolt, pulley and hardware from the idler arm.
3. Install the new pinwheel clutch pulley and all related hardware on the existing idler arm in the sequence listed below in figure 1. Remember to apply lubrication such as wheel bearing grease to the long spacer that seats inside of the pulley bearing. **Do not install dry.**
4. This is also a good time to check your upper pinwheel guide roller adjustment. Refer to the A-2 service manual for this adjustment.

5. Install pinwheel belt under the pulley.
6. When installed correctly the pinwheel will rotate clockwise when looking from the back of the pinsetter.

Figure 1

