

15



The pulley assembly will drop down and be held by the loop at the end of the belt. Remove the pulley assembly from the loop and inspect for bearing or nilos ring damage. Replace damaged bearings and seals upon reassembly.

16



Stay clear of the underside of the belt for this step. Depending on the year of manufacture, there will be either a 5/16" or M16 bolt at each end of the tail pulley. Remove the bolts and the tail pulley. Once the tail pulley has been removed, the old belt can be removed and rolled up.

Unroll the new belt far enough to find a travel direction arrow. Make sure to install the belt in the correct direction. If the arrow is pointed the wrong way, reverse the belt or flip it over. If the arrow is visible on the top of the feeder, it must point to the drive pulley. If the arrow is visible underneath the feeder, it must point to the tail pulley.

### Additional Tips

- Leave the hopper u-rollers out until the belt has been tensioned. The feeder can be arched to add the rollers.

- Make sure hinges are straight when tensioning the belt.

- Check the manual for roller placement and spacing, pages 6-22.

- Make sure the feeder hose loop is routed the way it was when you started.

- Retighten the collet draw bolt after the first hour of operation.

- Use the torque arm pin (not a bolt and nut) in the motor mounting plate. The motor will wobble slightly, and a rigid, bolted connection causes broken motor shafts.

- Check the belt tension at the first available break. Retension whenever the belt won't stay centered on the pulleys.

# TELEBELT®

## Tricks of the Trade

Volume: 12232003 ■ December 2003 ■ PMA-0010-8 TB



### Tips on Feeder Belt Replacement for a TB 105

- Read this *entire* procedure before starting the process. Observe safety rules when working on equipment.
- Inspect cable, covers, sheaves and skirt rubber. Have new parts and drive assembly parts ready.
- If the unit has no telescope drive cover, consider ordering one (A320832) for reassembly.

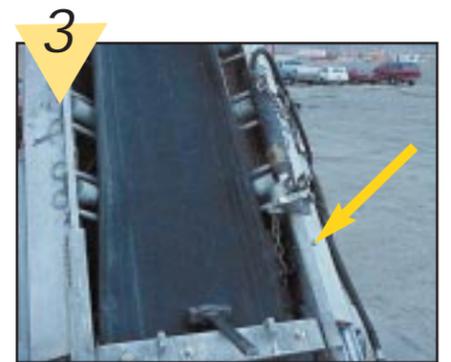


Set the feeder to the rear of the machine.

Place the main boom back in the transport rest. Position the outriggers so they are out of the way.



Raise the feeder hinges as high as possible, or until the stack valve is nearly out of reach. This will allow enough slack in the belt to release the belt tension.



Tap the tail pulley slide frame to loosen the bolts. It might be necessary to use a tensioning jack to move the slide enough to loosen the bolts.

Remove the bolts. The right-hand tension bolt is indicated by the arrow. The left hand bolt has already been removed.



Remove the hair pins from one side of the three hopper u-rollers.

Remove the hair pins from the other side of the hopper u-rollers. Remove the hopper u-rollers, v-scraper and tail pulley scraper (see Parts Book page 22.7 A90092).



Questions? Call the Putzmeister Customer Support Center.  
1-800-890-0269



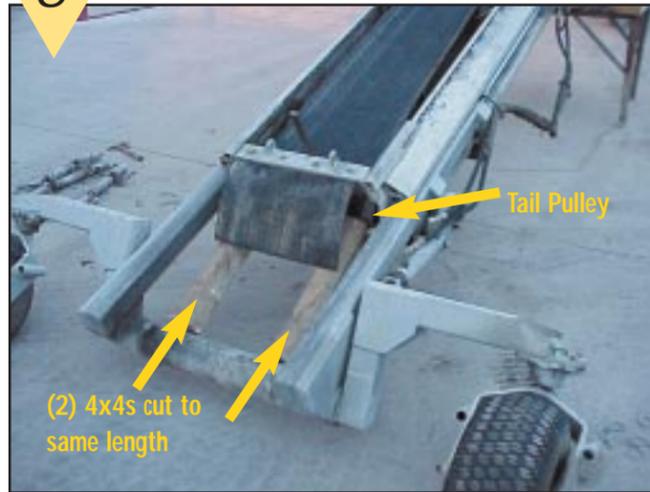
Putzmeister America ■ 1733 90th Street ■ Sturtevant, WI 53177 USA  
Phone (262) 886-3200 ■ (800) 884-7210 ■ Facsimile (262) 884-6338



# Telebelt® Tricks of the Trade Continued...

## TB 105 Feeder Belt Replacement

5

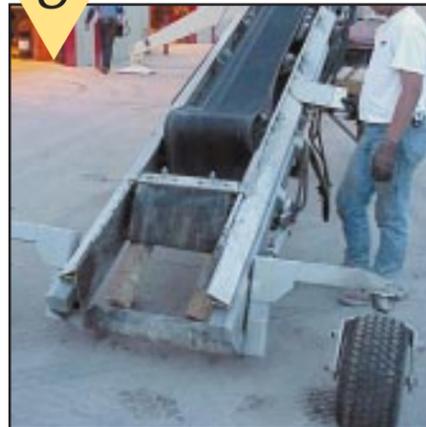


Straighten the feeder hinges. Cut two 4 x 4 boards to equal lengths (about 18" to 24").

Place these boards between the dolly axle and the feeder tail pulley. Have an assistant hold them in place while you slowly retract the dolly until the boards fit snugly against the pulley.

**Do not** let the 4 x 4 boards push against the top or bottom tie strips or the tie strips might be stripped out of the slide plates.

6



Slowly retract the dolly. This will push the tail pulley frame into the side rails. Do not push the frame so contact is made with the first u-roller. When the frame is positioned as shown, there is plenty of room to remove the tail pulley.

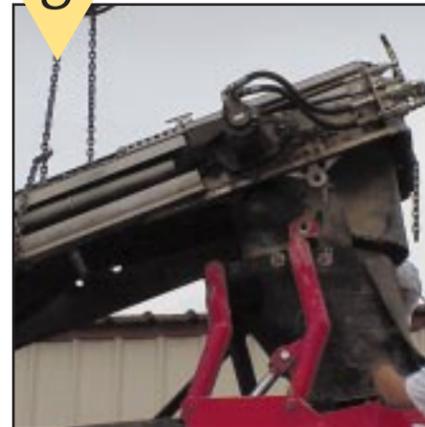
7



Attach a suitable lifting device to the top section of the feeder.

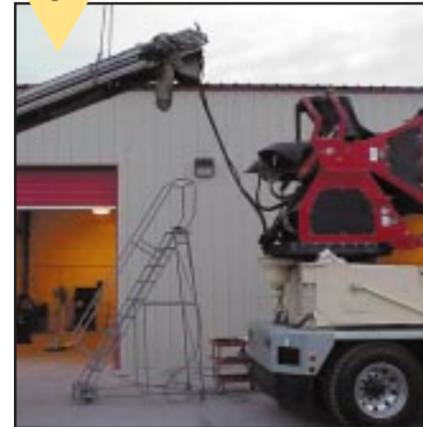
Remove the two 1" - 8 1/2" bolts located on each side of the swivel transfer indicated by the arrow. It is not necessary to disconnect the feeder hydraulic hoses when the feeder is positioned in this manner.

8



Raise the feeder until the transfer skirts clear the swivel ring.

9



Keep the feeder hoses away from projections and pull the truck ahead enough for clearance. Set the parking brake and re-engage the right-hand PTO.

10



Lower the feeder to suitable work stands (horses) in order to remove the pulley and feeder belt. Operating the hinges and dolly can make setting the feeder in place much easier. When the feeder hinges are straight, shut off the truck engine and remove the keys.

11



Remove the u-rollers, upper side idler rollers, discharge boot and head scraper assembly. It is not necessary to remove the bottom rollers.

12

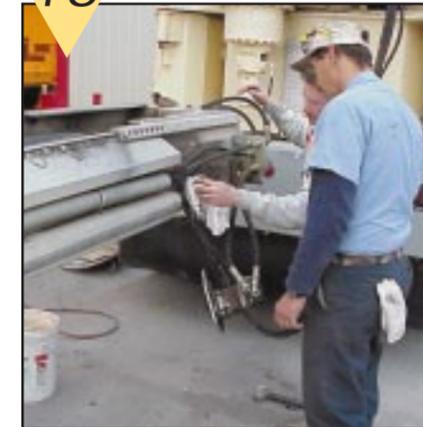


Refer to the Telebelt Manual Maintenance Section 6.11 for the complete procedure for removing and installing the feeder collet.

Loosen the collet retainer bolt (arrow) and strike with a hammer to drive the collet out of its seat.

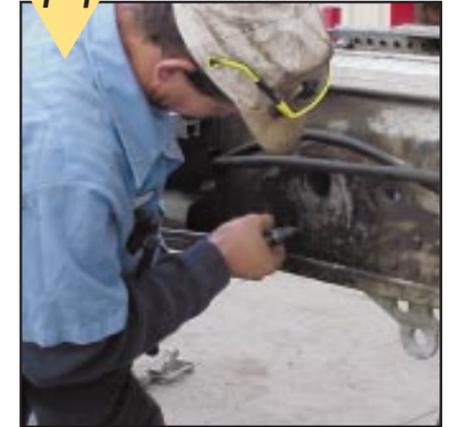
Note the four hex head bolts near the arrow. They hold the left-side bearing box and can be removed after the collet and collet retainer bolt have been removed.

13



Remove the feeder drive motor from the collet and let it hang by the hoses. Remove the collet and clean the collet bore. Inspect the collet splines, drive motor splines, collet key and collet keyway for wear. Replace worn parts upon reassembly.

14



**Keep clear of the underside of the belt in case the pulley drops out when the bolts are removed.**

Remove the four flat head hex socket bolts from the right-side bearing box. If you haven't already done so, remove the four hex head bolts from the left-side bearing box. If the pulley does not drop free, spread the rails slightly with a tensioning jack.

