



PPP-BGTDC

Rev.02-10-2020

Installation time 15 - 30 minutes.

- 1) Shut off the main circuit breaker on the pinsetter electrical box
- 2) Remove the tension spring for the long turret drive belt and set aside.
- 3) Remove the long turret drive belt from the pinsetter and discard.
- 4) Remove all 4 bolts attaching the bevel gear drive aluminum housing to the elevator frame.
- 5) Remove the bolt, lock washer, and special flat washer from the foul line side of the jackshaft. **DO NOT DISCARD THE SPECIAL FLAT WASHER.** Discard the bolt and lock washer.
- 6) Remove the nylon pinion gear from the jackshaft.
- 7) Remove and discard the rectangular shaped key from the jackshaft.
- 8) Placed between the nylon pinion gear and the cross conveyor drive pulley is 1 or 2 special spacers (washers). Remove these spacer(s) from the jackshaft but **DO NOT DISCARD** at this time.
- 9) Place the new drive pulley on the jackshaft, with the boss or setscrew side of the pulley toward the foul line. **DO NOT** install the key on the shaft at this time. Slide the pulley onto the jackshaft until it contacts the cross conveyor drive pulley. The face of the turret drive pulley should be even with or up to 3/16" off the end of the jackshaft. If this dimension is correct then move to step 10, if not place a spacer that was removed in step 8 in between the cross conveyor drive pulley and the new turret belt drive pulley to obtain this dimension.
- 10) Remove the turret drive pulley and install the supplied key on the jackshaft. Align the keyways on the pulley and jackshaft and install the drive pulley on the jackshaft over the key.
- 11) Install the supplied 3/8-16 x 3/4 bolt, lock washer and special flat washer that was removed in step 5 to the end of the jackshaft. It is recommended to tighten the allen head set screw in the turret drive pulley with a 5/32" allen wrench after tightening the 3/8" bolt.
- 12) The old bevel gear aluminum housing used 4 mounting holes to attach it to the elevator frame. Locate the 2 **LOWER** mounting holes in the elevator frame. You will be using the lower set of holes to attach the new idler pulley bracket / pulley assy. to the frame. The 2 upper mounting holes in the elevator frame will no longer be used.
- 13) Using supplied 5/16-18 x 3/4" bolts and lock washers attach the idler pulley bracket assy to the elevator frame using the mounting holes described in step 12. The idler pulley bracket will be mounted so that the "V" idler pulley will be on the 10-pin side of the machine. Using a 1/2" wrench, tighten the 2 bolts.
- 14) Route the supplied long turret drive belt to each drive and idler pulley on the pinsetter. See page 139 of the "green" Brunswick service parts catalog for proper routing information.
- 15) Reinstall the idler pulley tension spring. Refer to the Brunswick A-2 service manual for proper belt tension.
- 16) Restore power to the pinsetter and check for proper belt tracking.