

Pit Cushion Cam and Roller Kit Upgrade (PPP-PC1K-UP)

U.S. PATENT NO. 7,115,040



Rev. 03-13-2020

Installation Instructions

Two Kits are required per machine

It is recommended to change one side at a time as this can be performed without removing pit cushion from machine.

1. Shut off power to pinsetter at circuit breaker.
2. Lower rake by unlatching rake latch assembly (shotgun).
3. Remove Pit Curtain.
4. Remove ½ inch cap nut at lower end of follower link assembly.
5. Remove 3/8 X 20 cap nuts at center and top of follower link assembly.
6. Lift pit cushion side you are working on and work uniball and link assembly off the ½ inch bolt at lower end of pit cushion mount.
7. Remove outside follower link and all washers, bushings and rollers that can be removed at this time.
8. Remove 3/8 inch bolts securing pit cushion to pit cushion mount and lower pit cushion to shaker board.
9. Remove inside follower Link along with ½-20 X 3 ½ inch bolt and steel spacer from bottom of pit cushion mount. Condition of bronze bushing does not matter.
10. Thoroughly clean remaining components.
11. From Kit. Install new ½ inch bolt and washer onto pit cushion mount. Slide new spacer onto bolt and into bushing on lower end of mount.
12. Install new pit cushion cam onto bolt with flat side against pit cushion mount.
13. Install one half-inch washer previously removed from follower link assembly.
14. Install uniball and link onto bolt. Uniball will now be against shouldered side of cam.
15. Install ½ inch washer and new ½ inch cap nut and tighten securely. **The uniball is now the only pivot for the pit cushion assembly.**
16. Lift pit cushion and reinstall to pit cushion mount.
17. From 3/8 inch bolt and spacer assembly supplied with kit, remove the nut and two washers. Install spacer (apply light film of grease) and roller supplied with kit. Add 1 washer. Install this onto lower end of pit cushion support arm assembly.
18. Install 3/8 inch washer and nut and tighten securely.
19. Repeat for other side of pit cushion.

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