

SERVICE BULLETIN

Subject: Envoy Duster Cloth Clutch Adjustment Revision**Date: 6/14/13****Bulletin No. SB13-8**

This is a revised adjustment procedure for the Envoy Duster Cloth Clutch on page #115 in the Maintenance & Service section of the Envoy Operation & Service Manual, part number 14-900098-000. Please include this in your Envoy service manual.



CAUTION! To prevent damage to the duster gear motor, do **NOT** force motor to turn by rotating shaft or chain.

Tools Required

- 3/16" Allen wrench.

Checking for Proper Operation

Lower the duster cloth using the "Duster Unwind" button in the GUI diagnostics for cleaning. Then wind the cloth up using the "Duster Wind" button. The motor should lift the duster contact roller to its raised position and then advance 1/2" +/- 1/16" of new cloth .

Once the motor quits turning, the clutch on the duster cloth supply roll and duster motor on the duster cloth take-up roller should maintain their position. Press down firmly on the raised, black duster contact roller between the duster cloth supply roll and the duster cloth take up roll (Refer to Figure 1) with the fingertips of both hands, to check for proper adjustment of the duster clutch.

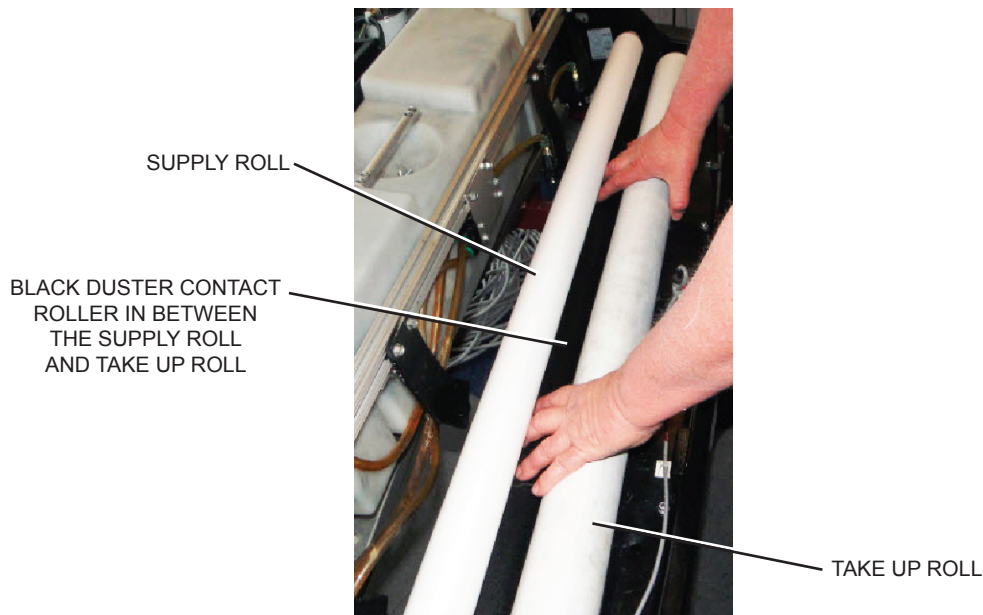


Figure 1

1. If the duster roller does not remain in the raised position after trying to press down on the cushion roller, the duster clutch needs to be adjusted. To increase torque, use a 3/16" Allen wrench and loosen the collar bolt.
2. Looking at the duster clutch from the inside of the machine (Refer to Figure 2), hold the supply roll of cloth to keep the threaded inner drive post of the clutch stationary during this adjustment. Use the 3/16" Allen wrench as a lever to rotate the outer clutch collar clockwise in steps of 1/4 turn (90 degrees). Then retighten the collar bolt with the 3/16" Allen wrench to hold this setting.

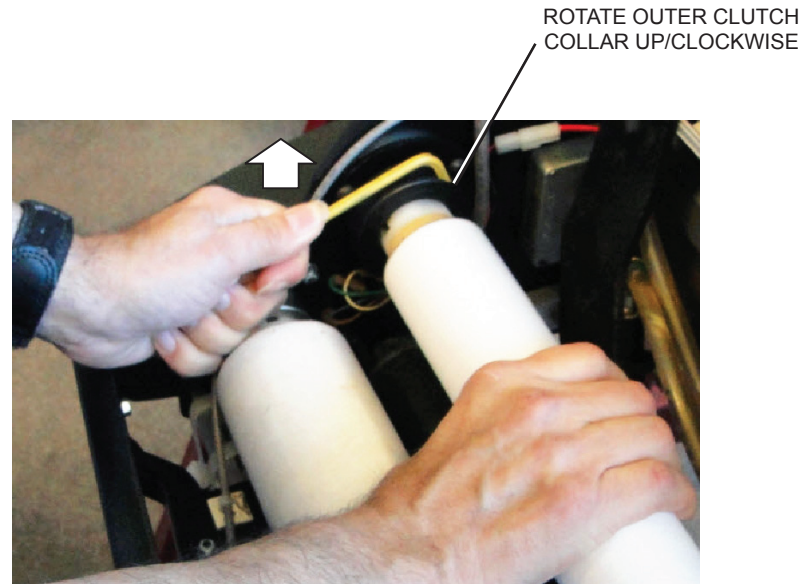


Figure 2

3. Next, check to make sure that the duster clutch is not over tightened when advancing the duster cloth. Lower the duster cloth using the "Duster Unwind" button in the GUI diagnostics for cleaning. Then wind the duster cloth using the "Duster Wind" button. The load on the duster cloth motor should increase and turn more slowly when the supply roll of cloth turns (causing the duster clutch to slip). At least 1/4" of new cloth should be unrolled from the supply roll.
4. If the duster cloth motor stalls before it advances at least 1/4" of new cloth OR if it reverses direction or "back lashes" after the duster cloth motor stops turning, there is too much torque on the duster clutch. To decrease torque, use a 3/16" Allen wrench to loosen the collar bolt.
5. Looking at the duster clutch from the inside of the machine (Refer to Figure 3), hold the supply roll of cloth to keep the threaded inner drive post of the clutch stationary during this adjustment. Use the 3/16" Allen wrench as a lever to rotate the outer clutch collar counter-clockwise in steps of 1/8 turn (45 degrees). Then retighten the collar bolt with the 3/16" Allen wrench to hold this setting.

ROTATE OUTER CLUTCH COLLAR
DOWN/COUNTER-CLOCKWISE

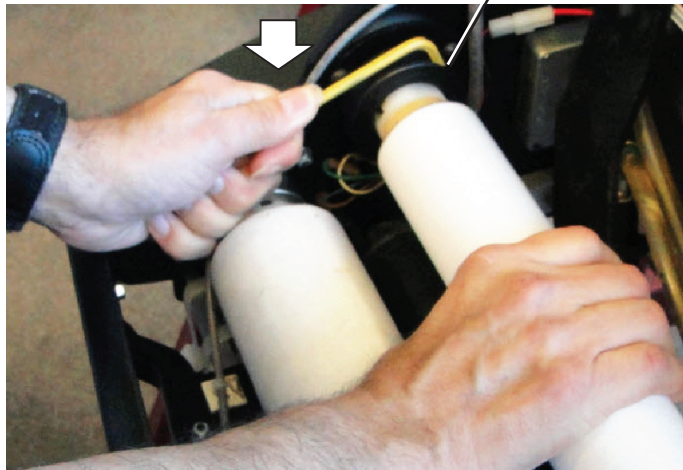


Figure 3

6. Repeat steps 1-5 to verify the proper duster clutch adjustment.

If you have questions regarding the information contained in this Service Bulletin, please contact Brunswick Technical Support at 1-800-937-2695 or 231-725-4966, FAX 231-725-4667, or Email techsupport@brunbowl.com Visit <http://www.brunswickbowling.com/service-support/tech-support/> for electronic files of this and other Service Bulletins.

Chuck Heuer
Senior Service Technician - After Market

David E. Rice
Director of World Wide Service