

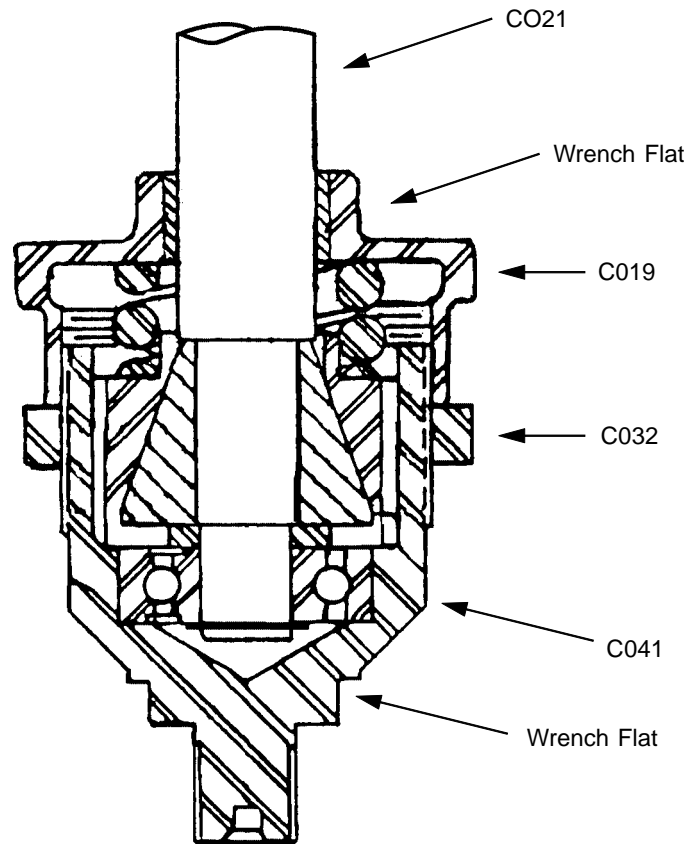
Automation Devices, Inc.

SWAN-MATIC CLUTCH ADJUSTMENT TO REDUCE DRIVER INSERT WEAR

One of the main contributing factors to insert wear is **improper clutch adjustment**. Each Swan-Matic capper has an adjustable clutch above the cap driver shell. Proper clutch torque adjustment is essential for an insert's proper wear time. Another contributing factor that shortens insert life is dirt, oil, or any liquid. Wipe out the insert occasionally with isopropyl alcohol and a clean cloth. Many solvents in the products will attack the rubber insert also, causing it to swell and then break off when used for tightening. To overcome this, use a steel serrated shell instead of rubber inserts. For a quotation, send two sample caps to the Swan-Matic Division at our Fairview address.

To adjust the clutch:

1. Loosen the clutch lock nut (C032) two turns.
2. Place wrenches on the flats of the clutch cap (C019) and the clutch body (C041).
3. To increase the applied torque, tighten either wrench; loosen them to decrease the torque. (Clutch cap, body, and lock nut have right-hand threads.)
4. Tighten the clutch lock nut.
5. To adjust the height of the capping head to allow for different sized containers, stop the spindle at its lowest point and lower the machine head until the insert touches a hand-tightened cap.
6. Tighten the column clamp to hold the head in position.
7. Raise the spindle (C021) and the insert by turning on the machine, then remove the container and cap.
8. Lower the machine head about $\frac{1}{8}$ inch and re-tighten it.



9. Utilize the capper to tighten a cap onto a container. The shell and insert will stop rotating when the cap is tight.
10. If the clutch does not stop rotating at the bottom of the stroke and the cap is tight, the insert will wear rapidly. If this happens, loosen the clutch slightly. If you cannot see the shell stop, draw vertical lines on it with a marker to help you see when the shell stops turning.

IN04.01

In USA: Automation Devices, Inc.

7050 West Ridge Road
Fairview, PA 16415-2099
Phone: 814-474-5561

FAX: 814-474-2131 or 800-235-9382

Web Site: www.autodev.com E-mail: info@autodev.com

In Canada: Automation Devices (Canada) Ltd.

4700 Montrose Road
Niagara Falls, Ontario L2H 1K3
Phone: 905-354-3881

FAX: 905-354-4072

Email: sales@adlcan.com