

# Technical Bulletin

Bulletin Number: 253 Revision Number: R-03

Release Date: May 23, 1983 Revision Date: January 21, 1997

**SUBJECT:** DRIVE ARM / LINKAGE ARM

**MODELS AFFECTED:** DNCB Dual Adaptables, T-Models, and E-Models  
DN Adaptables and Dual Adaptable Models

**REASON:** To provide a list of changes to drive arm / linkage arm and how to install the drive arm so the vend motor will be "in time".

**PARTS:** A) Plastic Drive Arm and Linkage Arm beginning 0001-6271CT (8-21-95) on all models except E-Model venders. Including 1675 to 1773-6241BT. See figure 1, page 2.

Drive Arm	801,806,160.21	Current as of 1/1/97
Linkage Arm	801,806,170.01	Current as of 1/1/97

B) Zinc Drive Arm and Linkage Arm beginning 0001-6378DU (11-4-96) on E-Model Venders. See figure 2, page 2.

Drive Arm	801,200,950.91	Current as of 1/1/97
Linkage Arm	801,201,590.21	Current as of 1/1/97

E-Model Venders 0001-6368DU (10-7-96) to 0001-6378DU (11-4-96).

Drive Arm	801,806,160.01	replace with 801,806,160.21
Linkage Arm	801,201,590.01	replace with 801,806,590.21

C) Zinc Drive Arm and Linkage Arm prior to 0001-6271CT. See figure 3, page 2.

Drive Arm	801,200,950.91	replace with 801,806,160.21
Linkage Arm	801,201,030.11	replace with 801,806,170.01

Black Nylon Material Drive Arm and Linkage Arm on production run 3131CN (1989)

This was a prototype run and the only one with this material. Replace with 801,806,160.21 and 801,806,170.01.

## DNCB Dual Adaptable Models and T-Models

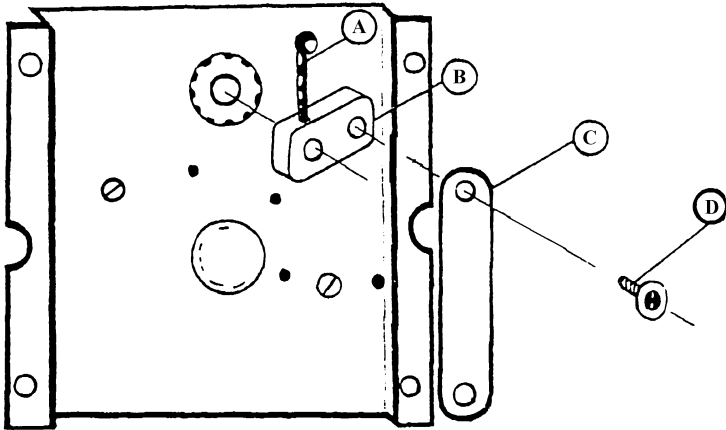


Figure 1

### A) Assembly with Plastic Parts

A. Drive Pin	900,901,940.41
B. Drive Arm, Plastic	801,806,160.21
C. Linkage Arm, Plastic	801,806,170.01
D. Phil Pan Screw, #8-32x½	900,303,090.01

## DNCB E-Models Only

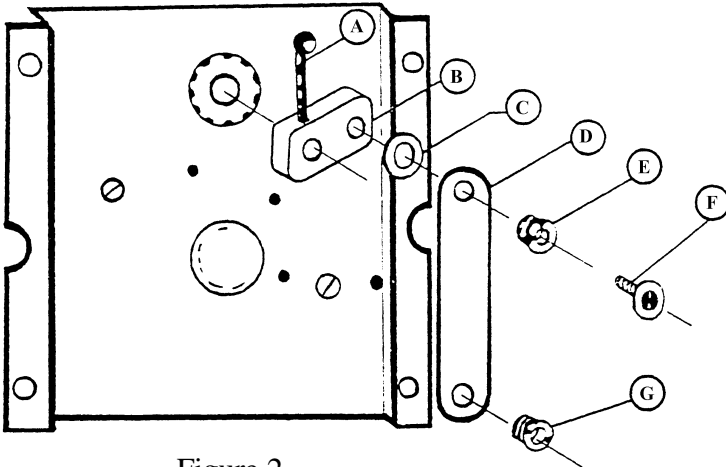


Figure 2

### B) Assembly with Zinc Parts

A. Drive Pin	900,901,940.41
B. Drive Arm, Zinc	801,200,950.91
C. Washer, Delrin	900,700,600.01
D. Linkage Arm, Zinc	801,201,590.21
E. Nyliner (Top)	901,803,160.01
F. Truss Screw, #8-32x½	900,303,180.01
G. Nyliner (Bottom)	901,804,770.01

## DNCB Dual Adaptable Models and T-Models DN Adaptable and Dual Adaptable Models

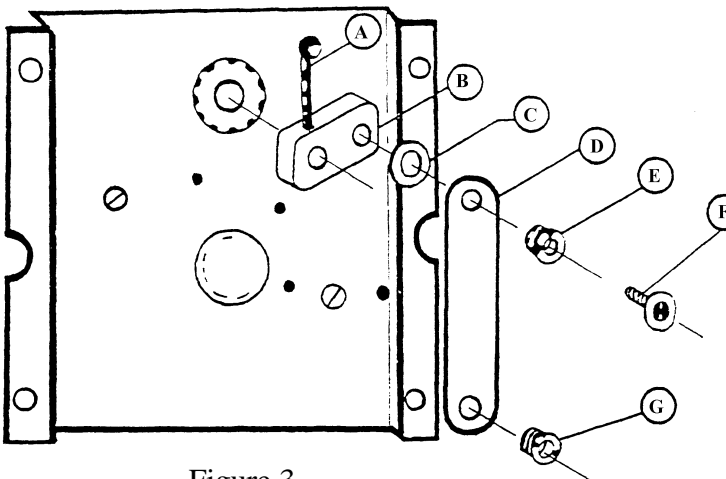


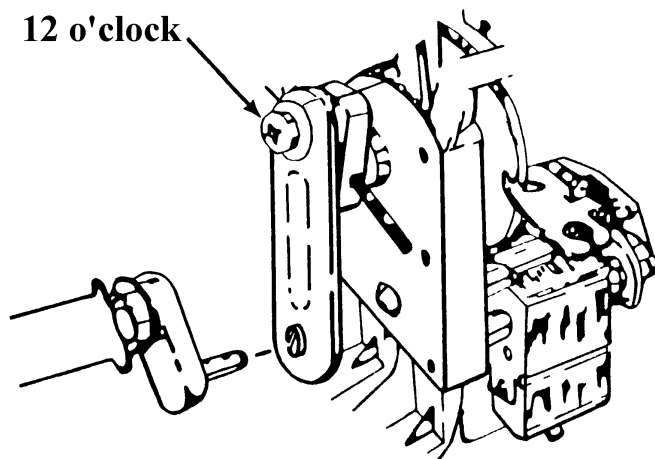
Figure 3

### C) Assembly with Zinc Parts

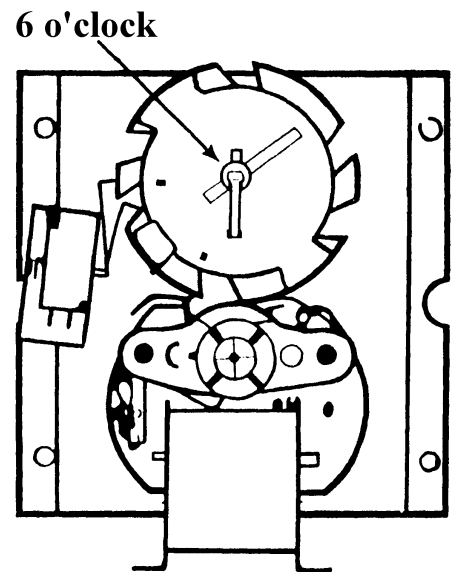
A. Drive Pin	900,901,940.41
B. Drive Arm, Zinc	801,200,950.91
C. Washer	900,700,600.01
D. Linkage Arm, Zinc	801,201,030.11
E. Nyliner (Top)	901,803,160.01
F. Phil Pan Screw, #8-32x½	900,303,090.01
G. Nyliner (Bottom)	901,804,770.01

## TO INSTALL DRIVE ARM / LINKAGE ARM SO TIMING IS CORRECT

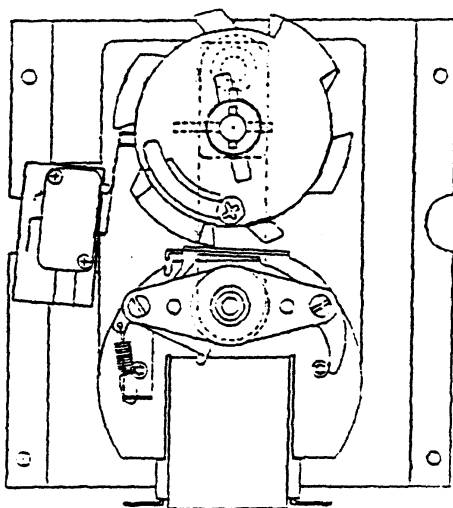
1.
  - A) In Series 90 venders: The lock tab of the vending cam should be at the 6 o'clock position. See figure 5.
  - B) In Pre-Series 90 venders: The pin that secures the cams to the motor will be horizontal and the adjustable cams locking screw is in the 6 o'clock position. See figure 6.
2.
  - A) In Series 90 venders: Place the Drive Arm in position so it is in a vertical position with the screw that secures the Linkage Arm to the Drive Arm in the 12 o'clock position. See figure 4.
  - B) In Pre-Series 90 venders: Place the Drive Arm in position so the Drive Arm is in a vertical position with the screw that secures the Linkage Arm to the Drive Arm in the 12 o'clock position. See figure 4.



Drive Arm / Linkage Arm  
Figure 4



Series 90  
Figure 5



Pre-Series 90  
Figure 6