

TECHNICAL BULLETIN - #2908
SUBJECT: **CAMSHAFT #5031 REPLACEMENT INSTRUCTIONS**
Effective Date: 6/26/92 Revised Date: 2/19/05

To replace part number 05031 (camshaft) on the 5000 series stop/crossing arm, use the following procedure:

1. Disconnect the vehicle battery.
2. Remove the (2) cover retaining screws at the front and rear of the cover. Open the stop arm to the maximum open position to allow clearance of the cover. Remove the cover. After removing the cover, return the stop arm to the full closed position.
3. Using a $\frac{3}{4}$ " wrench, remove the whiz nut (#05122) retaining the camshaft. Earlier stop arms using camshaft #05025 will have the camshaft retained using a snap ring (#05120), which must be removed using snap ring pliers. After removing retaining device, carefully slide camshaft upward clear of the microswitches and remove.
4. Note that the camshaft #05031 is offset ground, and can only be inserted into hinge #05168 one way. Because of this, cams #05031 and #05025 are not interchangeable. If cam #05025 is to be replaced by #05031, hinge #05168 must be used to replace hinge #05167.
5. With the hinge in full closed position, carefully insert cam #05031 through the microswitch, bushing and hinge as shown on drawing #05169. Note that for correct installation, the top (small) lobe will be facing directly outward when the hinge is in the full closed position. It may be necessary to depress the microswitch plungers with a small screwdriver during installation to allow the switches to clear the camshaft lobes.
6. After making certain the cam is correctly and fully inserted, replace nut #05122 and tighten to 20 ft-lbs. At this point reconnect the battery and check for correct operation of the stop arm.
7. Open the stop arm to the maximum open position and replace the cover, securing the cover with two sheet metal screws removed in step #1.