



GM 8" OPEL

MECHANICAL DIODE REFRESHER KIT

H I G H P E R F O R M A N C E T O R Q U E C O N V E R T E R P A R T S

Part No.

GM-MD-RK

Refresher Kit

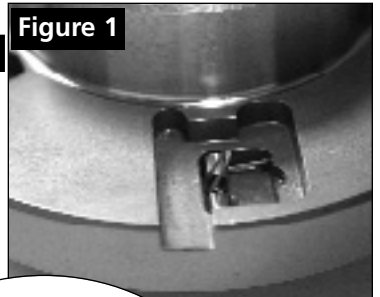
NOTE: This refresher kit can be used to rebuild Sonnax mechanical diodes GM-MD-3, GM-MD-3DP, GM-MD-3UA, CH-MD-1, FD-MD-2, FDGM-MD-1 and GMFD-MD-1.

INSTALLATION INSTRUCTIONS

1. Place the core on a suitable work area with the spring and strut cavities facing up.

NOTE: Proper positioning of the spring and strut are critical for correctly assembling the unit.

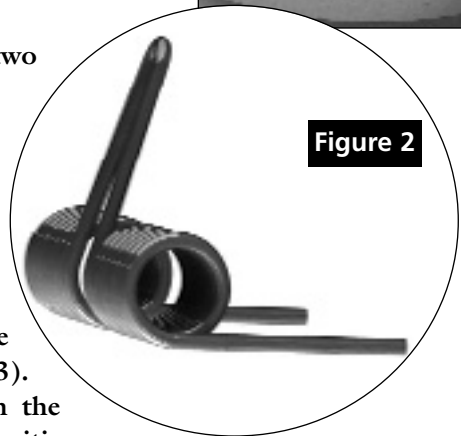
Figure 1



2. The spring and strut cavities have two levels (see Figure 1).

3. Orient the spring as shown in Figure 2. When installed correctly, the spring will look like the one shown in Figure 1.

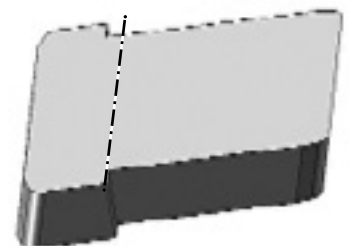
Figure 2



4. The strut is basically square-shaped with two tabs. Note the two tabs are different widths (see Figure 3). Installing the small and large tab in the matching small and large cavities positions the strut for correct operation. The smaller tab is always positioned inboard on the hub and the larger tab is always positioned outboard on the hub.

Figure 3

Narrow tab goes toward inside



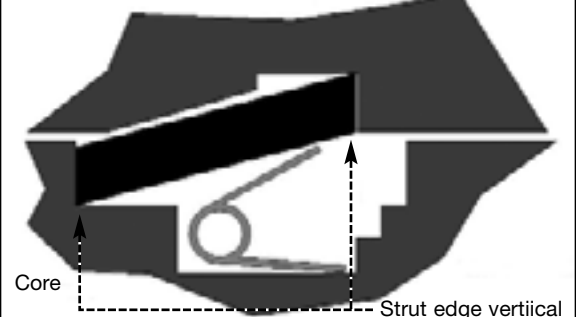
Wide tab goes toward outside

5. The load-bearing edges of the strut are angled and should appear as shown in Figure 4 when installed.

6. Place the notch plate with the spiral ring groove (ring groove facing down) onto the core. You will begin to feel spring tension as the plate comes into contact with the struts. Continue pushing the plate down until the springs are fully compressed. Hold the two parts firmly together and turn the assembly over to expose the spiral ring groove. If the ring groove is not visible, the springs and struts are not installed correctly.

Figure 4

Notch Plate



Core

Strut edge vertical

7. Continue holding the parts together and install the spiral snap ring.