

MSD[®] IGNITION INSTALLATION INSTRUCTIONS

Advance Kit, GM HEI Distributors PN 8428

Parts Included:

2 - Blue Weight Bushings	3 - Sets of Advance Springs
2 - Black Weight Bushings	2 - Weights
2 - Red Weight Bushings	1 - Center Plate

WARNING: When installing the Advance Kit, disconnect the battery cables. When disconnecting, always remove the negative cable first and install it last.

Note: This kit is designed for stock style GM HEI Distributors. It is not for use with MSD's Pro-Billet HEI, PN 8365.

ADVANCE SPRINGS

This kit provides three different advance springs; light, medium and heavy. These determine how quick the centrifugal advance comes in as the weights overcome the spring tension. The chart in Figure 1 shows the approximate advance of the spring combinations.

ADVANCE CURVE FOR THE PN 8428 GM HEI WEIGHT AND SPRING KIT

	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
LIGHT SPRING	8	12	16	20	22	24	24	24	24	24	24	24	24	24
MED. SPRING	0	8	10	14	16	18	20	20	22	22	22	22	22	22
HEAVY SPRING	0	0	8	10	12	12	14	14	16	16	18	18	18	18

Figure 1 Spring Rate Timing Advance.

1. Once you've selected the springs for your distributor, remove the cap and rotor.
2. Use a pair of needlenose pliers and remove the original springs. Note the fit and direction of the weights and center plate (Figure 2).
3. If equipped, remove the E-clips that secure the weights. Remove the weights and center plate.
4. Install the supplied bushings to the weights. Three sets are supplied. Use the set that fits snug over the weight pin.
5. Install the center plate followed by the weights. A small dot of lubricant on the bottom of the weights will ensure smooth operation.

Note: Figure 2 shows a clockwise rotating engine. For CCW, the weights and center plate are reversed.

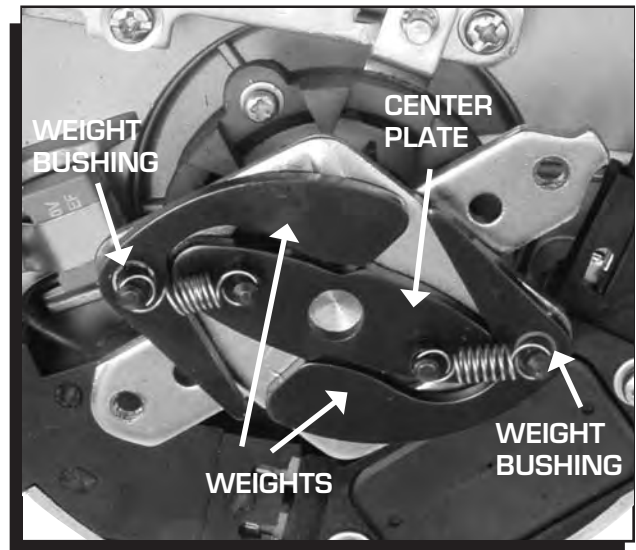


Figure 2 Installing the Advance Kit.

6. Install the springs making sure they are positioned in the spring grooves of the pins. Install the rotor and cap.