



# INSTALLATION INSTRUCTIONS

## MSD Extreme HEI Cap PN 84111

### Parts Included In This Kit

- 1 - PN 84111, MSD HEI Cap
- 1 - [Factory Rotor Bushing](#)
- 1 - Low Resistance Rotor Bushing, PN 8412
- 1 - Insulator

This cap is supplied with a stock GM rotor bushing as well as an MSD Low Resistance Bushing, PN 8412, which only has 1 - 3 ohms. The Rotor Bushings used in GM HEI Distributors are made from high resistance carbon to help suppress radio frequency interference. However, when the increased voltage and spark energy of an MSD Ignition Control is added, this high resistance may build up excessive heat which may damage the cap or rotor.

The Low Resistance Bushing allows the secondary voltage to be transferred from the cap to the rotor without excessive heat build up. The stock bushing is black with a bronze tip while the Low Resistance Bushing is solid bronze.

**Stock HEI or a Performance Coil:** It is recommended to use the Stock Rotor Bushing in stock applications. The higher resistance reduces the chance of excessive Electro Magnetic Interference, or radio noise. If you have only added a performance coil, use this Bushing as well.

**MSD 6A Series Ignitions:** GM used a variety of Rotor Bushings with a large variance in resistance and in most cases with a 6 Series Ignition, the Low Resistance Bushing is not required. In applications where the engine will be running at high rpm for long amounts of time, it is recommended to use. If you experience any problems within your cap and rotor, install the PN 8412.

**MSD Digital Ignitions and 7 Series Ignitions:** The Low Resistance Bushing is required.

**Note:** The MSD Pro-Billet HEI Distributor, PN 8365, is supplied with the Low Resistance Bushing.

