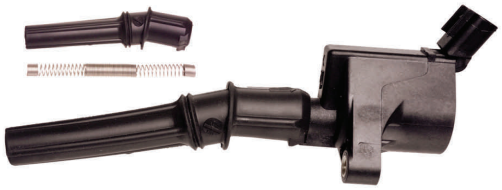
NAPA ECHLIN®

Did You Know?

# NAPA Echlin Coil-on-Plugs – Superior Inside and Out!



## External Components

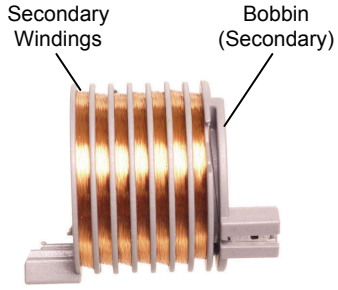
***Case:*** The coil housing is manufactured by NAPA Echlin from high impact material that is tough and durable. It bonds extremely well to epoxy with excellent thermal qualities to protect against the extreme temperature changes underhood.

***Connector:*** NAPA Echlin designs it to match original specifications using an advanced thermoplastic which resists heat fracture, ensures a proper connection resulting in a long service life.

***Spring:*** Made of corrosion resistant stainless steel, it contains a ferrite radio frequency interference (RFI) noise suppressor to absorb the RFI created by the high energy passing through the spring assembly so that it doesn't interfere with the many electronics and computers throughout the vehicle.

***Boot:*** Manufactured of a high temp resistant silicone rubber it's designed to contain the voltage as it travels through the spring. Boots stay flexible for easy removal during related component servicing.

## Internal Components



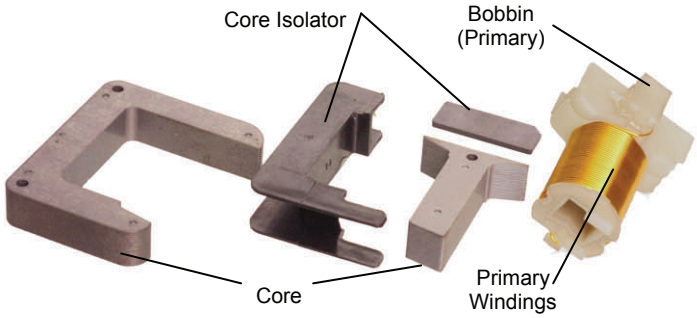

***Core:*** An internal neodymium electro-magnet is surrounded by grain-oriented magnetic laminated steel. Neodymium the strongest magnetic field when energized. Secondary windings create maximum high voltage output at all speeds.

***Primary Windings:*** Designed with a 200°C insulation coating over premium 25 gauge copper wire. The premium copper wire allows maximum low voltage current, and the high temperature insulation coating prevents wire breakdown in extreme operating conditions enabling perfect performance and extended life.

***Bobbins:*** Designed from a fiber reinforced polyphenylene oxide glass material with high dielectric strength, the bobbins prevent voltage flash-over. Prevalent in the original design, NAPA Echlin has engineered a solution that gives our coil an extended service life.

***Secondary Windings:*** NAPA Echlin secondary windings are manufactured with pure electrolytic tough pitch (ETP) fine (43 gauge) copper wire coated with a 180°C coating. ETP is the finest wire for maximum voltage conductivity and the wire coating provides a tough insulating jacket that prevents shorts under high heat conditions.

***Epoxy:*** Engineered to bond with the coil housing and bobbins, the high dielectric epoxy is pulled into a vacuum to eliminate any air pockets. This prevents moisture intrusion or thermal breakdown.




**NAPA Echlin**
**LOOKS RIGHT. FITS RIGHT. PERFORMS RIGHT.**
**THE BEAR IS BACK**

ECHLIN®