



THE IGNITION SPECIALIST™

# PARTSMARTS

Insight and intelligence from The Ignition Specialist™

## U5121 Ignition Solution for CHRYSLER, DODGE, RAM and JEEP Coil corrosion

### THE PROBLEM

ZINC-PLATED STEEL SECONDARY WINDING TERMINAL CONNECTIONS ARE PRONE TO CORROSION, WHICH CAN REDUCE ENERGY OUTPUT OF IGNITION COILS.

Ignition coils that are used in many Chrysler, Dodge, Ram and Jeep models feature steel secondary winding terminal connections that are plated with zinc. When these connections become corroded (Figures 1–2 below), **engine performance is reduced** and **fuel economy is lowered**. Over 2.5 million Chrysler, Dodge, Ram and Jeep vehicles with zinc-plated coil terminal connections are in operation today.



Figure 1: Corroded zinc-plated terminal connection at 20x magnification.

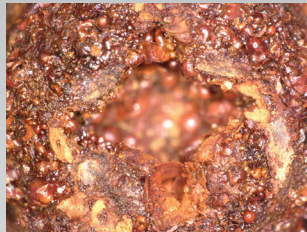


Figure 2: Corroded zinc-plated terminal connection at 50x magnification.

### THE SOLUTION

BRASS SECONDARY WINDING TERMINAL CONNECTIONS AND INSULATING DIELECTRIC GREASE REDUCES CORROSION.



Product U5121

NGK utilizes an anti-corrosive brass terminal connection insulated with dielectric grease to reduce corrosion (Figures 3–4 below). In turn, this optimizes engine performance and can improve fuel economy up to 20%, which can yield an additional 4-6 mpg. **NGK is the Ignition Specialist.**



Figure 3: Brass terminal connection with dielectric grease at 20x magnification.



Figure 4: Brass terminal connection with dielectric grease at 50x magnification.

### U5121 Ignition Coil Applications

Years	Make / Model	Years	Make / Model	Years	Make / Model	Years	Make / Model
2005-2015	Chrysler 300	2006-2015	Dodge Durango	2006-2009	Dodge Ram 3500	2011-2014	Ram 2500
2007-2009	Chrysler Aspen	2006-2008	Dodge Magnum	2006-2010	Jeep Commander	2012-2014	Ram 3500
2008-2015	Dodge Challenger	2006-2010	Dodge Ram 1500	2006-2015	Jeep Grand Cherokee		
2006-2015	Dodge Charger	2006-2010	Dodge Ram 2500	2011-2014	Ram 1500		



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