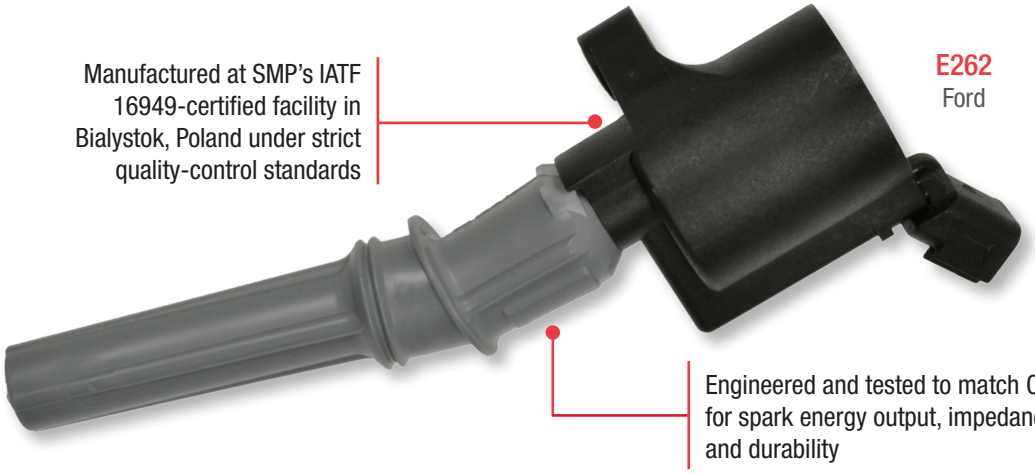
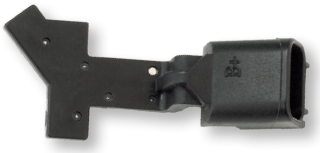
IGNITION COILS

Coil-on-Plug (COP) Breakdown

A coil-on-plug is designed to perform the functions of the ignition coil (creating the spark energy) and the spark plug wire set (containing and delivering the high voltage energy to the spark plug). To ensure proper function, BWD® and Intermotor® Coil-on-Plug Assemblies feature premium-quality components.



A Closer Look at Our Coil-on-Plug Components

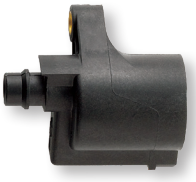


Coil Connector

Designed using advanced thermoplastics to ensure proper connection and resist fractures caused by heat and thermal cycling

Boot & Spring Assembly

High-temp boot prevents high-voltage leaks, while stainless steel spring with internal ferrite noise suppressor prevents radio frequency interference (RFI)

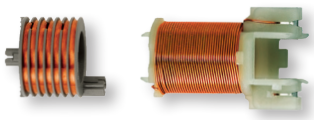


Coil Housing

High-impact material bonds extremely well to epoxy to ensure longer life in all operating conditions

Core

Internal neodymium permanent magnet surrounded by grain-oriented magnetic-laminated steel maximizes high-voltage output at all speeds



Primary & Secondary Bobbins with Winding

Primary (25 gauge) and Secondary (43 gauge) copper wire ensure high-voltage availability for peak performance while reinforced bobbins prevent voltage flashover for extended service life

Isolator

Manufactured using high-voltage resistant thermoplastics to prevent premature coil failure

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