

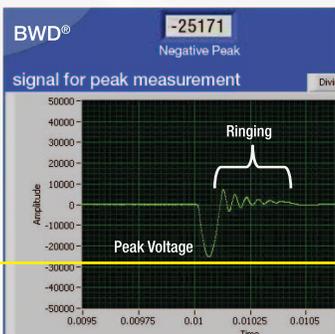
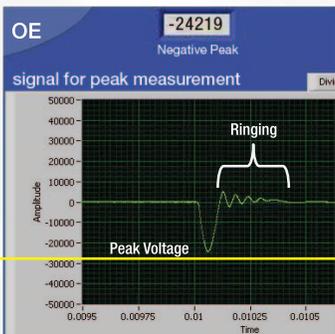
Ignition Coil Testing

BWD® Coils Match or Outperform the OE in Every Performance Test.

WINDING RESISTANCE / INDUCTANCE AND OUTPUT VOLTAGE / SPARK ENERGY							
Part No.	Primary		Secondary		Output Voltage	Spark Energy	
	Resistance	Inductance	Resistance	Inductance	50pf	60 Hz	60 Hz
	(mohms)	(mH)	(kohms)	(H)	(Peak kV)	(mV-S)	(mJ)
BWD® E261	492	1.53	5.36	9.59	25.2	3.70	29.6
BWD® E262	489	1.49	5.28	9.47	25.2	3.74	29.9
Average BWD®	491	1.51	5.32	9.53	25.2	3.72	29.8
OE DG500	515	1.63	5.55	8.61	24.4	3.72	29.8
OE DG508	511	1.58	5.50	8.19	24.2	3.69	29.5
Average OE	513	1.61	5.53	8.40	24.3	3.71	29.7



WAVEFORM TEST RESULTS



The Testing Method

We performed an extensive engineering analysis of OE DG500 and DG508 to BWD®. The engineers measured winding resistance, inductance and output voltage, spark energy, waveform peak voltage and ringing, as well as a complete physical and sectioned comparison to OE.

The Findings

BWD® Ignition Coils look, fit and perform like the original they replace with 100% end of the line production testing.

- The BWD® coils also provide an improved secondary winding design (additional winding bays) that helps prevent internal arcing and high-voltage breakdown.

Comparative Performance Data

- The BWD® coils tested 3.7% higher than OE in output voltage.
- The BWD® coils were equal to OE in spark energy.
- In waveform testing, BWD® coils' peak output voltage was about 1000 volts higher than OE.
- The BWD® coils had a longer spark duration than the OE, resulting in more energy supplied to the spark plugs.

Conclusion

- The BWD® coils match or exceed the OE coils in all categories and are an excellent replacement exceeding the OE performance.

BWD®
Ignition Coils

IMPROVED
Winding Design

LONGER
Spark Duration

HIGHER
Output Voltage

MORE ENERGY
To The Plugs

OUTPERFORM
the OE