

Anti-lock Brake (ABS) Sensors Testing

How does the rest of the pack stack up to BWD® ABS Sensors?

The Testing Method

We left no stone unturned; performing extensive laboratory and real life testing that included measuring and comparing shaft speed vs. delta voltage, output voltage and variation to OE, magnetic field strength, air gap, output wave form, pulse width as well as a complete physical product comparison to OE.

The Findings

BWD®: Quite simply, BWD® ABS Sensors look, fit and perform like the original they replace with 100% end of the line production testing while the competition falls short.

Competition ABS Sensors:

- **No Consistency** in signal output performance
- **Inferior** materials in the magnetic circuit which results in low voltage output and can lead to ABS system failure
- **No Consistency** in critical sensor dimensions which establish the gap between the sensor tip and target wheel which can lead to the sensor tip hitting the spinning target wheel causing sensor damage
- **Inadequate** quality inspection and product testing
- **No Consistency in matching OE for form, fit and critical function**

BWD®: ABS Sensor# ABS1433 (GM 02-95; ranked in the top 10 sellers) matches OE for output voltage, resistance, trigger wheel gap and all critical fit, form, and function measurables.

Competition: 29%-51% lower voltage output when compared to OE leading to potential ABS system failure. Incorrect mounting bracket does not match OE.

BWD®: ABS Sensor# ABS309 (Ford 09-95; ranked in the top 10 sellers) matches OE for output voltage, resistance, trigger wheel gap and all critical fit, form, and function measurables.

Competition: 45%-74% lower voltage output when compared to OE leading to potential ABS system failure. Inconsistent winding resistance, electrical inductance and magnetic field orientation resulting in poor sensor performance. Inconsistent gap between sensor tip and trigger wheel leading to potential sensor tip damage.

BWD®: ABS Sensor# ABS378, ABS377 (Toyota 96-92; ranked in the top 20 sellers) matches OE for output voltage, resistance, trigger wheel gap and all critical fit, form, and function measurables.

Competition: 64%-74% lower voltage output when compared to OE leading to potential ABS system failure. Inconsistent gap between sensor tip and trigger wheel leading to potential sensor tip damage. Does not match OE in electrical inductance and magnetic field orientation resulting in poor performance. Does not include the seal to stop contaminants from entering the functional area of the sensor tip. Metal harness channel does not match the OE shape.



ABS309



ABS378



ABS377



ABS1443