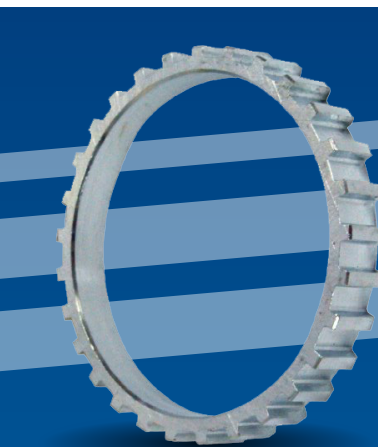


PTC

Power Train Components

YOUR PARTNERS FOR PROFIT!

Are You Experiencing ABS Trouble Code Issues? An Inferior Quality Tone Ring May be the Culprit.



Premium Casted Metal Tone Ring
OE Style casted metal tone rings have rectangular teeth vs. cheaper pot metal tone rings with rounded teeth. This helps eliminate erratic ABS signals that can cause braking problems.

Most vehicles on the road today are equipped with an ABS braking system and the hub bearing plays an integral roll in ensuring the ABS system is functioning properly. Many hub bearing assemblies include an integrated WSS (wheel speed sensor) tone ring to generate a pulse signal to the ABS module.

The pulse signal is generated when a tooth passes under the magnetic tip of the sensor. The tooth passing through the sensor's magnetic field causes the sensor to act like a little generator and produce an alternating current signal that increases in frequency and amplitude in direct proportion to wheel speed. If you look at the signal on an oscilloscope, it should look like a nice even sine wave with all the up and down humps in the waveform evenly spaced and the same height.

However, a difference of only a **few thousandths of an inch** in the height of the teeth on the tone ring can greatly affect the WSS signal, which can trigger trouble codes to the vehicle's computer.

PROBLEM: Many competitive Hub Assemblies include tone rings that are made out of cheap "pot metal" to reduce costs. The teeth on these tone rings are rounded which does not conform to OE standards, resulting in wrong impulse signals being sent to the ABS module.



SOLUTION: PTC Hub Assemblies use premium casted metal tone rings which have rectangular teeth that match OE specs to ensure a proper signal is always being sent to the ABS module.

An erratic ABS signal will cause braking problems. In extreme cases, the brakes can lock up in high speed driving (65-75 miles per hour or 100-120km) which can cause the driver to lose control, resulting in a possible serious accident or even death.

**Don't compromise your safety.
PTC is your best value choice!**



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