

PowerBond by Dayco Harmonic Balancers

Frequently Asked Questions

Q: What is a harmonic balancer?

A: *A harmonic balancer is a front end accessory drive component which is connected to the crankshaft of an engine. The purpose of the harmonic balancer is to reduce engine vibration and many times, serve as a pulley for drive belts.*

Q: Do harmonic balancers have other names?

A: *Yes, such as Damper, Crankshaft pulley, Crankshaft balancer, Balancer, Crank pulley damper, Crankshaft damper, Torsional damper and Vibration damper.*

Q: What are the signs of a failing harmonic balancer?

A:

Rubber Ring Deterioration

Visible deterioration of the rubber ring between the inner-hub and the outer ring

Visible cracking or warping of the balancer hub or outer ring

Leaking front main seal

This is caused by the oil seal and the timing cover actually wearing into the metal of the harmonic balancer and allowing oil to slip by

Ring Wobble

Visible wobble of the outer ring on the inner-hub caused by rubber failure

Excessive engine vibration

Noisy Belts

Slipping or squealing drive belts, belt damage or accelerated belt wear

Misalignment due to a wobbling balancer

Engine Performance

Poor performance and irregular idle on late model engines equipped with electronic ignition

Q: What makes PowerBond by Dayco balancers great?

A: *PowerBond balancers feature strong Spheroidal Graphite (SG) Iron cast hubs for maximum strength*

- *PowerBond carefully inspects and balances all harmonic balancers with state-of-the-art equipment*
- *PowerBond balancers hold incredibly tight tolerances needed for today's engines*
- *PowerBond balancers are manufactured utilizing a bonded dampening process versus the competition's press inserted dampening rubber process*
- *The bonded dampening rubber has up to four times the strength of inserted rubber balancers*