

What causes a driveshaft to vibrate?

Causes	Solutions
Driveshaft out of Phase	Most driveshafts are built with the yokes at each end of the tube aligned in the same position. If the transmission yoke ear faces the side and the rear end yoke ear faces up, then the driveshaft could be phased wrong. Multi Piece driveshafts usually have all yokes aligned for best operation. Rephase driveshaft and balance.
Worn or Broken U-Joint	Check for movement. Check U-joint trunions (ends) for any uneven wear.
Wrong Size U-Joints	Check OEM specs. Use Measuring Guides to check driveshaft and yokes for proper fit.
Driveshaft too Long	Call us to review your set up. Solution could be to install 2 Piece driveshaft.
Worn Slip Yoke or Spline	Slip yoke and spline should have very little torsional rotation. Also, the slip yoke should move smoothly and evenly over the spline. The coating on the spline, if it has it, should fully cover the spline. If worn, we can help by replacing the slip, spline (or both if required) and then balancing the driveshaft.
Lack of Grease	Where applicable, make sure that ALL U-Joint caps and slip yoke accept grease. Follow lube interval recommendations.
Driveshaft not straight or out of balance	In most cases, straightening and balancing will solve this problem. Worst case scenario is that the driveshaft tube would have to be replaced.
Balance weight fell off.	Balance driveshaft.
Torsional and/or inertial excitation	Straighten tube and balance driveshaft.