

Animation Worksheet: Camshaft Runout Inspection

Name: _____ **Date:** _____

1. The camshaft is a vital engine component that controls the _____ of the intake and exhaust valves.
2. The egg-shaped bumps on the shaft that push against valve lifters are called _____.
3. The smooth, round sections of the camshaft that sit in the engine block or cam bearings are called _____.
4. Proper _____ and clearances are critical to ensure the bearing journals do not wear out prematurely.
5. **Runout** is defined as the amount of _____ or deviation from straightness along the camshaft.
6. Before starting the test, you must ensure all journals are free of _____, oil, and burrs.
7. To perform the test, place the camshaft on two _____ (blocks shaped like the letter V) under the outer bearing journals.
8. A tool called a _____ is used to measure the runout.
9. Place the indicator's _____ on the center bearing journal and set the dial face to _____.
10. When performing the test, you must slowly rotate the camshaft by _____ and watch the needle move.