



VANGUARD 20HP

TIMING MARK ALIGNMENT

Always torque the allen screws before installing billet camshaft in the engine

DESCRIPTION:

This guide explains how to adjust timing on a 20hp Vanguard billet camshaft by moving the cam gear. If you have any questions regarding your billet cam timing setup please give us a call. We will be more than happy to assist you with your application!

STOCK SETUP:

To setup stock timing for a billet camshaft the DynoCams logo, or zero mark, will be in line with the #1 exhaust lobe when the cam is assembled.

EXHAUST LOBE #1 UP



EXHAUST LOBE #1 UP



STOCK CAM TIMING SETUP

MODIFIED SETUP:

If you want to change the setup of your billet cam to advance or retard the centerlines follow these steps:

1. Remove the 9 allen head screws.
2. Separate the cam gear from the cam shaft and clean all surfaces.
3. Find the new timing mark you wish to use, and put the cam back together with the #1 exhaust lobe pointing up in the same direction as the new timing mark.
4. Install the 9 allen head screws and torque to 85in/lbs.

Example:

The following image shows a billet cam setup with +5.5 degrees advanced timing.

EXHAUST LOBE #1 UP



EXHAUST LOBE #1 UP



ADVANCED +5.5 DEGREES