

VibrAlign Laser Alignment Tips

“Broken Coupling” Alignment

Alignment is always easier when the coupling is in place. There are situations, however, when the coupling is “broken”, that is, the coupling is not in place. The SHAFT HOG laser alignment system can still perform precision alignments of shafts when the coupling is broken. This is achieved by the following process that ensures the laser heads are rotated in phase. By following these simple steps one can ensure that the laser units are always rotated in phase even when there is no coupling in place.

- 1. Set up the SHAFT HOG, aim the lasers and enter the required A, B and C dimensions as with any alignment. Upon pushing the right arrow button a clockface appears on screen with a blinking dot at the 9:00 position.**
- 2. Rotate the lasers to the 9:00 o'clock position and use the built in bubble level to level each sensor.**
- 3. Take the initial reading by pressing the right arrow button.**
- 4. Rotate the M laser unit 180 degrees to the 3 o'clock position. The level can be used to determine the exact position.**
- 5. Rotate the S laser unit 180 degrees to the 3 o'clock position. The level can be used to determine the exact position.**
- 6. Proceed to take the reading by pressing the right arrow again. The shaft hog now displays the horizontal misalignment.**
- 7. From here on out the Shaft Hog will display live values in whatever direction the sensors are in. Match up the sensors, using the built in levels, in either the vertical or horizontal planes for live movement in that plane.**

