

Motorcycle Kit Quick Start Guide

This guide describes the basic set-up procedures for the Atlas MC Kit and MCXLT Kit. Motorcycle wheels vary greatly in size, design, and shape. Because of these many differences, this guide cannot address every individual application. Most wheels can be balanced with the drive pulley and brake rotor in place. Others may require that these items are removed to allow the wheel to fit correctly. It is the operator's responsibility to determine if the brake rotor or pulley must be removed from a particular wheel.

STEP 1. Use the Quick Start Guide provided with your wheel balancer to calibrate the machine. Use a 15 inch diameter, 6 inch wide (P205/70 R15 or P215/70 R15), slightly used or new passenger car steel wheel and tire on the balancer.

You will NOT be able to calibrate the machine using the motorcycle balancer adapter. Failure to follow these instructions will result in an incorrect calibration and poor balancing accuracy.

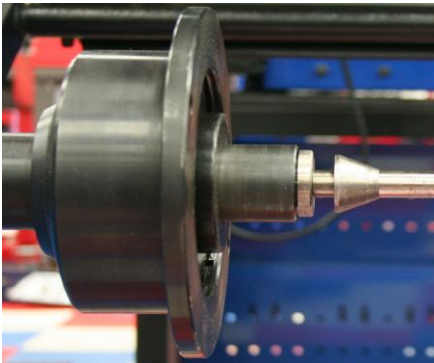
STEP 2. Remove the car shaft and center bolt from the wheel balancer after completing the calibration procedure. Keep the car shaft, and bolt together for future use.



STEP 3. Carefully screw the motorcycle shaft into the same location that you removed the car shaft from in **STEP 2**, taking care not to cross the threads. Use a 30mm wrench to tighten the shaft securely.



STEP 4. Select a cone that has a beveled end that fits easily into the center of the wheel. The cone should fit so that about half of the cone is inside of the wheel. Slide this cone on the shaft with the beveled edge facing away from the balancer and toward the end of the shaft.



STEP 5. The wheel configuration and center hub size will determine the amount of foam spacers needed. Place at least two of these foam spacers onto the shaft, and slide the spacers over the cone and until they contact the backing plate. The number of foam spacers required will vary with each wheel.



STEP 6. Place the motorcycle wheel onto the shaft. Make certain that the motorcycle wheel is flush against the foam spacers from **STEP 5**, and the cone will center into the hole of the wheel when outside pressure is applied.



STEP 7. Select the same cone size as used in **STEP 4** and place that cone on the shaft, outside of the motorcycle wheel. The beveled end should be facing toward the center of the wheel.



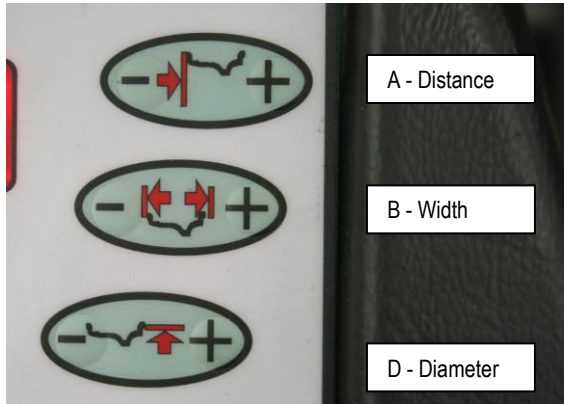
STEP 8. Screw the wing nut onto the end of the motorcycle shaft. **HAND TIGHTEN** the wing nut **SECURELY**. You may need to include a spacer between the wing nut and cone depending on the wheel width. The wing nut should apply pressure so that the foam spacers are compressed, and to allow the cones, wheel and foam spacers to be flush with each other and not slip. There should be a distortion of the foam spacers as pressure is applied. Spin the wheel briefly by hand and check that the wheel does not wobble. If the wheel does wobble, the amount of foam spacers or the tightness of the wing nut must be adjusted until the wobble is eliminated.



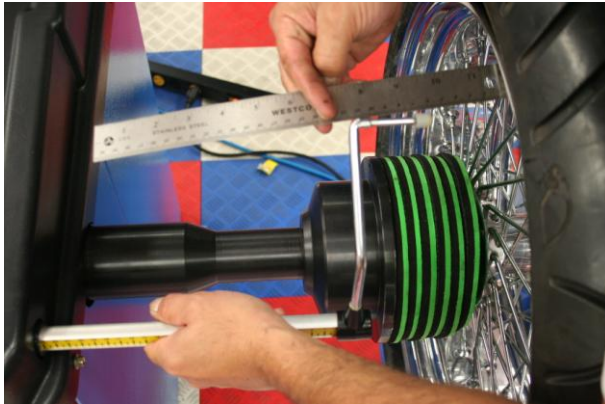
STEP 9. Select the balancing mode you wish to use. Certain models of Atlas wheel balancers are equipped with both Static and Dynamic Motorcycle modes. Most motorcycle wheels are balanced in the Static mode. Refer to the wheel balancer Owners Manual to determine the available settings on your machine.



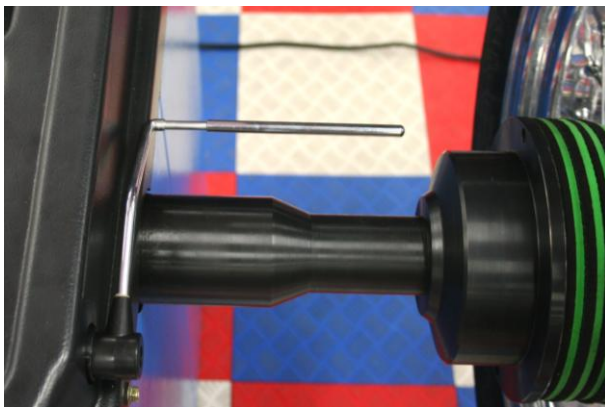
STEP 10. On Atlas WB11 and WB21 models, use the key above to identify the wheel data buttons used in the following steps.



STEP 11. Because the foam spacers add length to the shaft, the measuring rod will no longer reach the wheel for an “A – Distance” measurement. Using a metric ruler, measure the remaining distance.



Or use the optional extension rod (ATWB-MCKIT-EXTROD)



STEP 12. Determine the “**A – Distance**” by adding the measurement from the scale to the extra length you measured with the metric ruler in **STEP 11**.

The measuring rod scale is marked in centimeters. On WB11 and WB21 models, the “**A – Distance**” measurement must be entered in millimeters (Example: 21cm = 210mm).

If using the optional extension rod, it adds 130mm (13cm) to the “**A – Distance**” measurement. Add the measurement from the scale, plus the extension rod length, and enter them in millimeters using the “**A – Distance**” buttons.

STEP 13. Enter the “**B – Width**”, and “**D – Distance**” measurements according to the Owner’s Manual provided with your wheel balancer. Follow the instructions included in the Owner’s Manual to complete balancing the wheel.

REMEMBER: The key to a good balance is positioning the wheel and pads so that the wheel does not slip and does not wobble. If the balancer “chases” weight, the wheel is moving on the shaft.

Greg Smith Equipment Sales
5800 Massachusetts Ave.
Indianapolis, Indiana 46218
1-800-262-1950