Atlas WB41
WHEEL BALANCER

QUICK START GUIDE

INDIANA
5800 MASSACHUSETTS AVE.
INDIANAPOLIS, IN 46218
PHONE: (800) 262-1950
FAX: (317) 542-1448

DELAWARE
250 EXECUTIVE DRIVE, SUITE 1
NEWARK, DE 19702
PHONE: (800) 715-1950
FAX: (302) 894-9136

GEORGIA
2375 BUTTON GWINNETT DR., SUITE 100
ATLANTA, GA 30340
PHONE: (800) 768-4104
FAX: (678) 781-0149

ARIZONA
8399 W VAN BUREN ST., SUITE 210
TOLLESON, AZ 85353
PHONE: (800) 602-9928
FAX: (602) 490-3495

NEW HAMPSHIRE
8 INDUSTRIAL DRIVE
HUDSON, NH 03051
PHONE: (800) 360-0053

FLORIDA
11801 NW 100th RD., SUITE 8
MEDLEY, FL 33178
PHONE: (800) 305-5609

TEXAS
3206 INDUSTRIAL TERRACE., SUITE 102
AUSTIN, TX 78758
PHONE: (800) 512-7611

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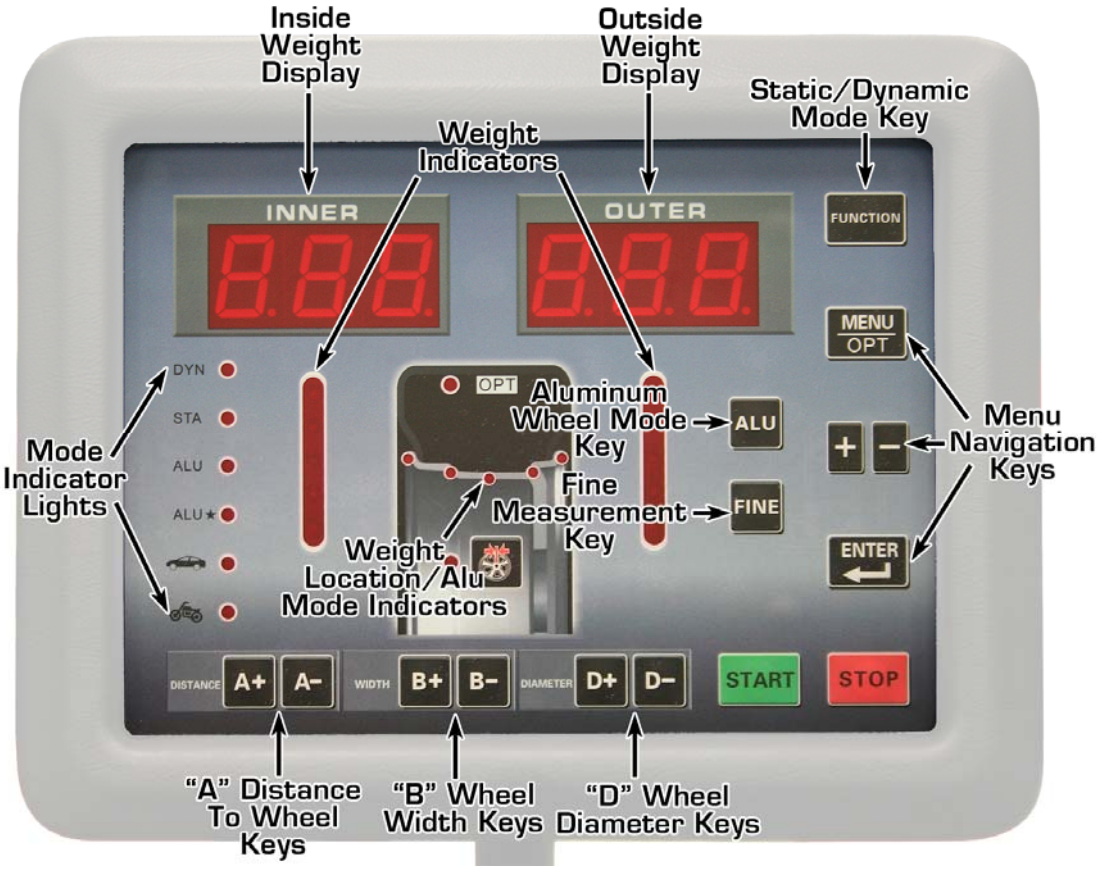
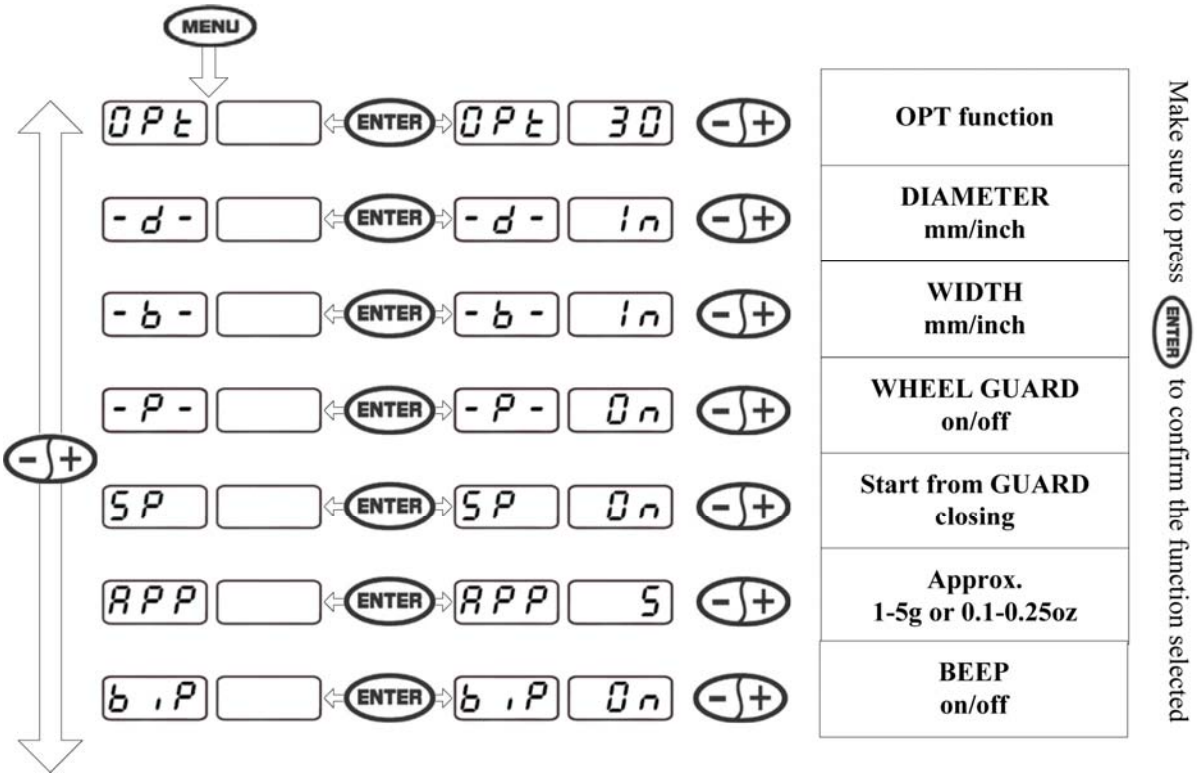
CONTROL PANEL



- **Function** – Press to switch between static and dynamic balancing modes.
- **Aluminum Mode** – Press to change the locations weight will be applied to the wheel (as shown by the Weight Location/ALU mode indicators). Normally used with custom or alloy wheels.
- **Menu Navigation** – Used to select various settings and adjustments. Refer to page 4 of this guide, or page 11 of the owners manual, for additional information.
- **"A" Distance** – Press the -/+ to enter the distance measured from the balancer to the wheel.
- **"B" Width** – Press the -/+ to enter the width of the wheel
- **"D" Diameter** – Press the -/+ to enter the diameter of the wheel.
- **Fine Measurement** – Press and hold to display the exact imbalance measured ("rounded" values will automatically display).
- **Start** – Press to spin the wheel whenever the hood is closed.
- **Stop** – Press to exit any function or to stop the balancer.

DISCLAIMER: The Split Weight Function and ALU* setting are available on wheel balancers that are equipped with the Automatic Data Entry System. The Atlas WB21 and WB49 are both equipped with the Automatic Data Entry System. The Atlas WB41 is NOT equipped with the Automatic Data Entry System.

Special Key Functions



Switching from grams to ounces

STEP 1: Press "**MENU**" to access the menu functions.

STEP 2: Use the "**-/+**" keys to scroll through the menu functions until "**SET UP**" is displayed.

STEP 3: Press "**ENTER**"

STEP 4: Use the "**-/+**" keys to scroll through the set up functions until "**U**" is displayed.

STEP 5: Press "**ENTER**"

STEP 6: Use the "**-/+**" keys to select ounces or grams. Press "**ENTER**" to confirm the setting.

STEP 7: Press "**MENU**" to exit. Press "**STOP**" to return to the regular balancing mode.

NOTE: Refer to the "Installation and Service Manual" for additional key functions and instructions.

STEP 1: Use a 15 inch diameter, 6 inch wide (P205/70 R15 or P215/70 R15), slightly used or new steel wheel and tire on the balancer. Only a hub-centric wheel may be used. Wheels that are lug-centric (center on the studs, not the center hole) cannot be used for calibration. Trailer wheels cannot be used for calibration. Aluminum or alloy wheels cannot be used for calibration. The wheel used must not have any weights installed. The only weight you will use in the calibration procedure is the special (red) calibration weight provided with the balancer. **Failure to follow these instructions will result in an incorrect calibration and poor balancing accuracy.**

Unacceptable Tire And Rim For Calibration

Acceptable Tire And Rim For Calibration

STEP 2: Begin by selecting a cone which will fit the center hole of the wheel.

STEP 3: Place the cone on the shaft.

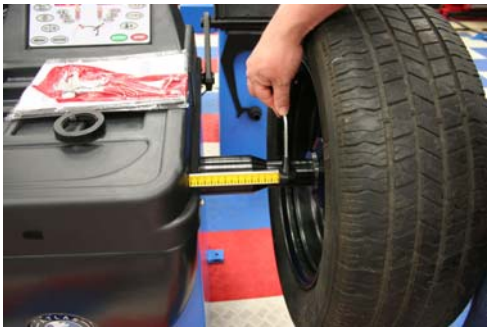
STEP 4: Next, place the wheel on the shaft.

STEP 5: Finally, place the Quick Nut on the shaft with the pressure cup attached. Tighten the Quick Nut securely, but do not over tighten.

NOTE: Over tightening the Quick Nut will cause damage to the nut.

STEP 6: Verify that the balancer is in DYNAMIC mode, then manually enter the…

"**A**" (distance of the wheel from the machine in millimeters)



"**B**" (width of the wheel in inches)

"**D**" (diameter of the wheel in inches; Use caliper, or refer to marking on tire)

NOTE: The measuring rod used to determine the "**A**" distance is marked in centimeters. You must convert to millimeters by multiplying the measurement by 10. This is the value you must enter as the "**A**" measurement. See the examples below:

Example 1 (shown): 13.1cm X 10 = 131mm (Enter 131 as "A")

Example 2: 9.5cm X 10 = 95mm (Enter 95 as "A")

In some cases, you must round the figure to the nearest millimeter as seen below:

Example 3: 3.75cm X 10 = 37.5mm (Enter 37 as "A)

To enter the self-calibration mode, use the following steps:

STEP 1: Press "**MENU**" to access the menu functions

STEP 2: Use the "**-/+**" keys to scroll through the menu functions until "**Set Up**" is displayed.

STEP 3: Press "**ENTER**"

STEP 4: Use the "**-/+**" keys to scroll through the set up functions until "**CAL**" is displayed in the left window.

STEP 5: Press "**ENTER**"

STEP 6: Use the "**-/+**" keys to scroll through the calibration functions until "**CAL-G**" is displayed.

STEP 7: Press “ENTER”

STEP 8: The display will read “**Add 0**”. Lower the hood and spin the wheel.

STEP 9: When the cycle is finished and the tire stops, the display will read “**3.50 Add**” **(100 grams)**. Rotate the wheel until all the inside weight indicators are fully lighted. Apply the **3.5 ounce (100 gram)** calibration weight on the inside edge of the wheel at the 12 o’ clock position. Lower the hood and spin the wheel.

STEP 10: When the cycle is finished, the display will read “**Add 3.50**” **(100 grams)**.
Remove the calibration weight from the inside edge of the wheel.
Rotate the wheel until all the outside weight indicators are fully lighted.
Apply the **3.5 ounce (100 gram)** calibration weight to the outside edge of the wheel at the 12 o’ clock position. Lower the hood and spin the wheel.

STEP 11: After the cycle is finished, the screen will flash **“EEP ON”** then return to **“000 000”**. Your balancer is now calibrated.

NOTE: Some earlier models will not flash “EEP ON” when the calibration is done.