



ATLAS WBT-210 TRUCK WHEEL BALANCER

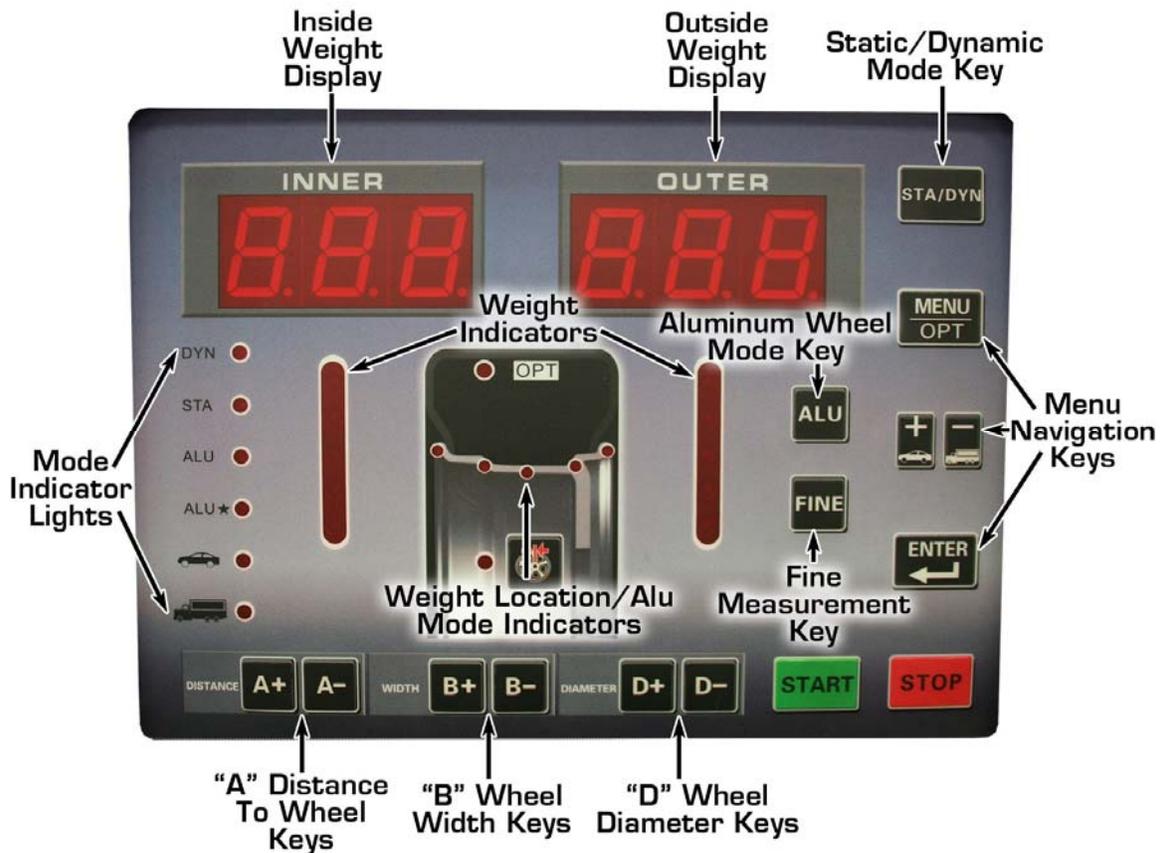
QUICK START GUIDE



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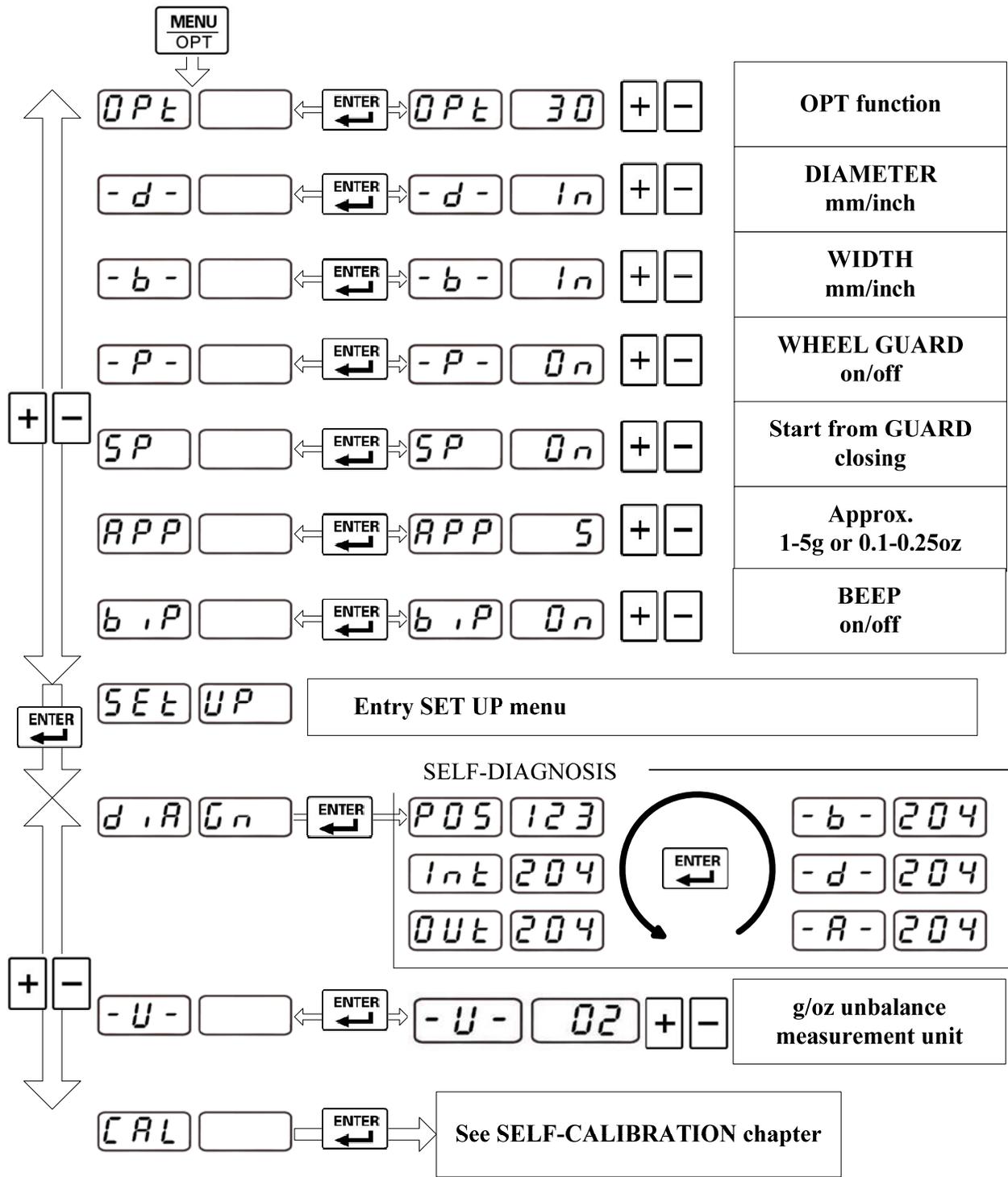
CONTROL PANEL



- **Static/Dynamic Mode** – 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 WBT-210, WB11, and WB41 are NOT equipped with the Automatic Data Entry System.

Special Key Functions



Press **STOP** to exit any function.

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.

CALIBRATION

Calibrating With A Passenger Car Steel Wheel And Tire:

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: Next, place the wheel on the shaft.



STEP 4: Place the cone on the shaft.



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

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



STEP 6: Install the car extension on the measuring rod.



STEP 7: Verify that the balancer is in CAR mode and DYNAMIC mode:



Then manually enter the...

“A” (distance of the wheel from the machine in millimeters)



“B” (width of the wheel in inches)

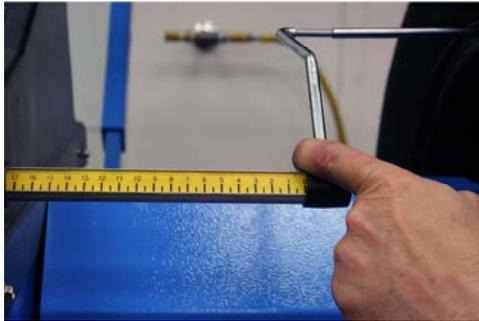


“D” (diameter of the wheel in inches; (refer to marking on tire))



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): 17cm X 10 = 170mm (Enter 170 as “A”)



STEP 8: Press “MENU” to access the menu functions

STEP 9: Use the “-/+” keys to scroll through the menu functions until “Set Up” is displayed.



STEP 10: Press “ENTER”

STEP 11: Use the “-/+” keys to scroll through the set up functions until “CAL” is displayed in the left window.



STEP 12: Press “ENTER”

STEP 13: Use the “-/+” keys to scroll through the calibration functions until “CAL-G” is displayed.



STEP 14: Press “ENTER”

STEP 15: The display will read “Add 0”. Lower the hood and spin the wheel.



STEP 16: 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)** passenger car/light truck calibration weight (shown below) on the inside edge of the wheel at the 12 o’ clock position. Lower the hood and spin the wheel.



**Passenger Car And Light Truck
Calibration Weight**

STEP 17: 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 18: After the cycle is finished, the screen will flash “EEP ON” then return to “000 000”. Your balancer is now calibrated. To check the calibration, rotate the wheel so that the weight is positioned at 6 o’clock. All of the weight indicators should be fully lighted as shown below.



Calibrating With a Semi Truck Wheel And Tire:

STEP 1: Mount a 22 1/2 inch diameter slightly used or new semi truck 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.**



STEP 2: Install the truck flange on the shaft with the two Allen bolts.



STEP 3: Next, place the wheel on the shaft



STEP 4: Place the cone on the shaft..



STEP 5: Finally, place the Heavy Duty Nut on the shaft and tighten securely.



STEP 6: Make sure the car extension is removed from the measuring rod.



STEP 7: Verify that the balancer is in TRUCK mode and 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; (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): 17cm X 10 = 170mm (Enter 170 as “A”)



STEP 8: Press “MENU” to access the menu functions

STEP 9: Use the “-/+” keys to scroll through the menu functions until “Set Up” is displayed.



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STEP 11: Use the “-/+” keys to scroll through the set up functions until “CAL” is displayed in the left window.



STEP 12: Press “ENTER”

STEP 13: Use the “-/+” keys to scroll through the calibration functions until “CAL-G” is displayed.



STEP 14: Press “ENTER”

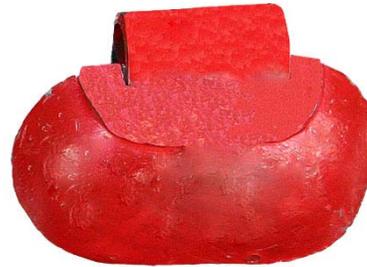
STEP 15: The display will read “Add 0”.



STEP 16: Give the wheel a push to get it spinning, lower the hood, and spin the wheel. Giving the wheel a “push start” reduces the strain on the motor.



STEP 17: 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)** truck calibration weight (shown below) on the inside edge of the wheel at the 12 o’ clock position. “Push start” the wheel, lower the hood, and spin the wheel.



**Heavy Truck
Calibration Weight**

STEP 18: 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. “Push start” the wheel, lower the hood, and spin the wheel.



STEP 19: After the cycle is finished, the screen will flash “**EEP ON**” then return to “**000 000**”. Your balancer is now calibrated. To check the calibration, rotate the wheel so that the weight is positioned at 6 o’clock. All of the weight indicators should be fully lighted as shown below.

