Professional Wheel Balancer Assembly & Usage Instructions

Figure 1

- ❖ (2/ea) Balancer Side Arms
- ❖ (1/ea) Balancer Cross Member
- ❖ (6/ea) 5/16”-18x1" Flat Socket-Head Cap Screws
- ❖ (4/ea) Bearings
- ❖ (2/ea) Standard Balancer Cones
- ❖ (4/ea) Polyurethane Feet
- ❖ (1/ea) 3/16” Hex Key ("Allen" Wrench)
- ❖ (1/ea) 5/32” Hex Key ("Allen" Wrench)
- ❖ (4/ea) Flat Washer
- ❖ (4/ea) 5/16”-18 Flange Nut
- ❖ (1/ea) 18” Smooth Balancer Rod
- ❖ Assembly and Use Instructions

Step 1: Remove all balancer components from packaging, remove all shrink-wrap/banding and remove components from bags and sleeves. Confirm all parts shown in Figure 1 are accounted for before proceeding.

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Step 2: Install the (4) polyurethane feet over the steel feet on the balancer sides.

Step 3: Remove the (2) Flat Socket-Head Cap Screws from the Balancer Crossmember, keep nearby.

Step 4: Aligning the slots on one Balancer Side with the tabs on the Balancer Crossmember press the Balancer Side and Balancer Crossmember together.

Step 5: Install (1) Flat Socket-Head Cap Screw through the hole on the Balancer Side that is pressed into the Balancer Crossmember, use the provided 3/16" Hex Key to tighten. (Do not tighten completely yet)

Step 6: Repeat steps 4 & 5 for the opposite Balancer Side.

Step 7: While applying light pressure to the top of the Balancer Crossmember fully tighten the Flat Socket-Head Cap Screws that secure it to the Balancer Sides. While not necessary for functionality this does help the Balancer sit as square as possible. (Your Balancer should look like figure 2 right now.)

Figure 2

Step 8: At the top of each Balancer Side are two holes for attaching the bearings. One bearing at a time, install a socket head cap screw though one side of the bearing, and place a flat washer over the screw on the opposite side. (Figure 3)

Step 9: For each bearing assembly from the previous step, insert the end of each screw through one of the holes in the balancer arm as shown in Figure 4, making sure to keep the bearing on the inside of the Balancer. ***Installing the bearing on the outside of the Balancer Arms reduces accuracy and can cause the Balancer Rod to bend when balancing heavier wheels & tires. Bent balancer rods are not covered under any warranty.***

Figure 3

Figure 4

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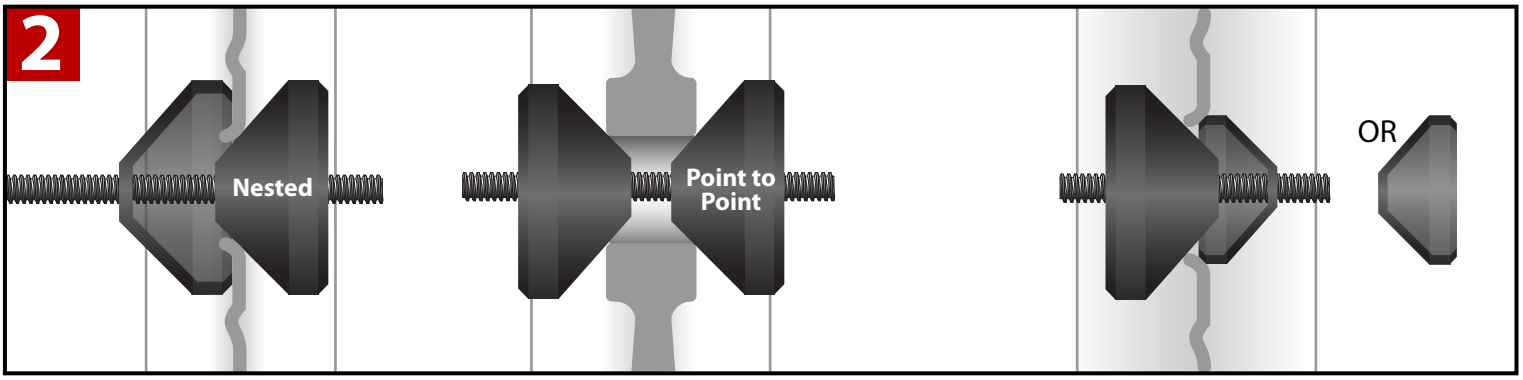
Step 10: Tighten each nut until hand-tight, then use the supplied 3/16" Hex Key to tighten the screw approximately 1/8th of a turn further. The nuts have serrated flanges which should make using another wrench unnecessary, but if the nut continues to turn you can use a ½" wrench or socket to hold it while tightening the screw. **DO NOT OVER-TIGHTEN!**

Step 11: Enjoy your No-Mar Professional Balancer! Please see our website for wheel weights including our exclusive re-useable spoke weights, or any other tire changing and balancing supplies you might need!

Maintenance: Your balancer uses special low-stiction deep v-groove ball bearings which require periodic lubrication. Any conventional or synthetic 30-weight motor or motorcycle oil is acceptable. In especially dirty or dusty environments, we recommend blowing the bearing out with compressed air before lubricating, and covering the balancer when not in use to avoid bearing contamination.

Figure 5 - Completed Balancer

Wheel Balancing Instructions



1 - Remove the existing weights from the wheel and note the total weight.
• Remove Sprocket Carrier with cush drives and/or spacers if installed.
• Rotors stay attached.

2 Mount your wheel on the balancer with the appropriate rod and cone set.

3 Lightly touch the wheel (**DO NOT SPIN**) to cause slight motion. **Gravity will cause the heavy spot in the wheel to rotate to the bottom.**

4 - Clean top portion of wheel to allow adhesion of weights. Always begin with the amount of weight equal to what was removed when you started.

5 Temporarily, apply weight to the TOP of the wheel (which is the 'light' spot), by peeling back only a small portion of the adhesive covering on the weight. This will allow the weight to stick enough for testing and still be easily removed.

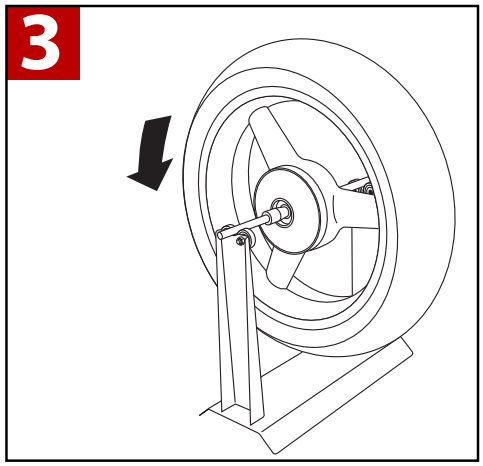
6 Rotate the wheel approximately 90 degrees.

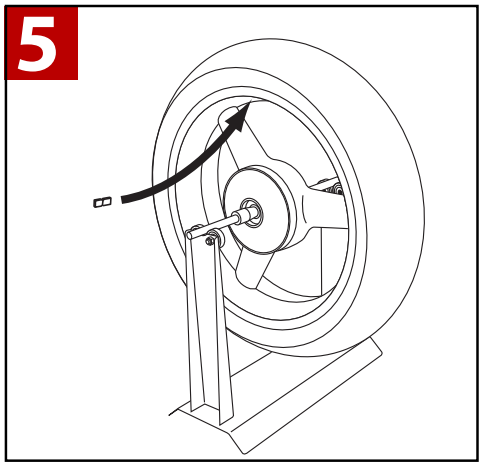
--> If the weight rotates DOWN = Reduce the amount of weight and repeat step 6

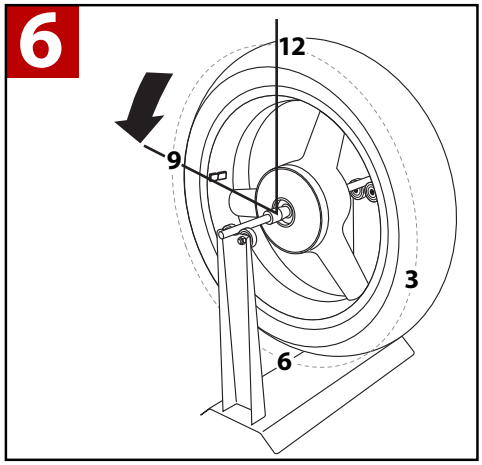
--> If the weight rotates UP = add more weight and repeat step 6

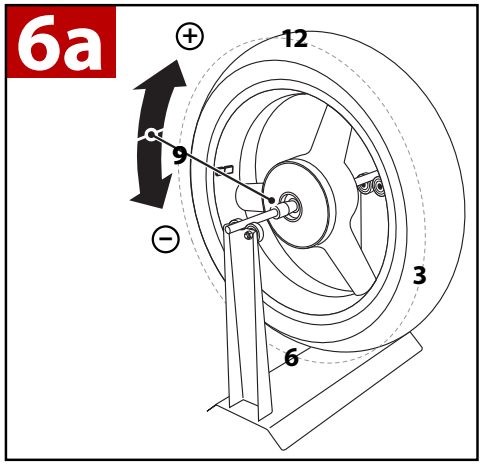
Continue this process until you can rotate the wheel to any position and it does not rotate on its own. This indicates the wheel is now balanced and you can proceed to step 7

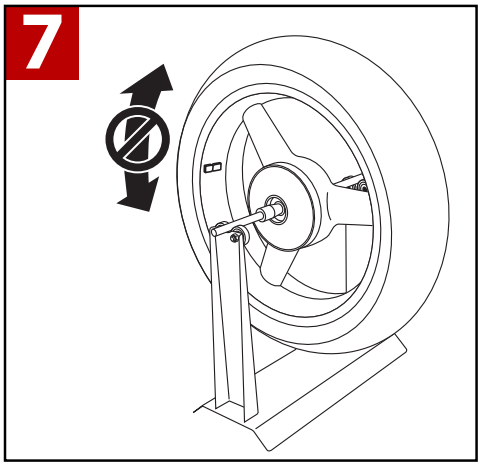
7 When the wheel does not rotate on its own, you have the right amount of weight. Permanently apply the weights by removing all paper covering the adhesive on the weights and apply with moderate pressure. Optionally, you may want to mark the position of those weights on the rim with a piece of tape, so you are sure to replace them in exactly the same position.











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