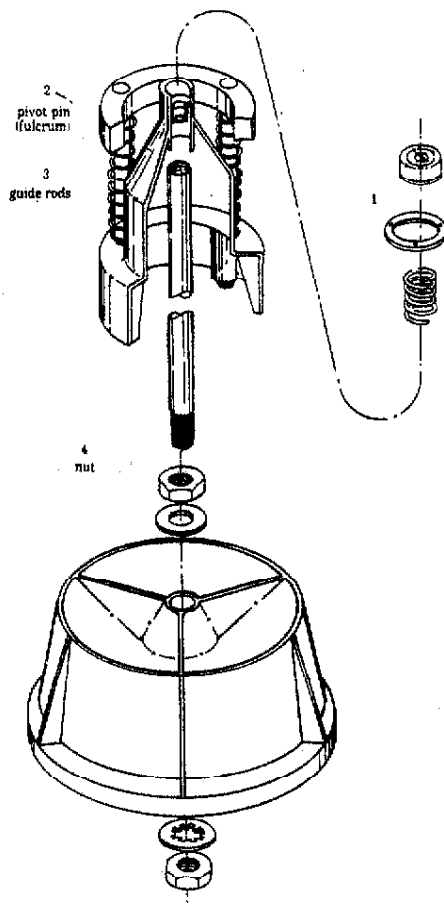


# HOW TO OPERATE/ INSTRUCTIONS

**\*\* PLEASE FOLLOW THESE INSTRUCTIONS IN DETAIL \*\***



1. Assemble the Challenger Wheel Balancer as shown in Figure A.

2. After assembling the wheel balancer, view the circular level (bubble) at the top of the head. See Arrow 1, Figure B. **Make certain the bubble rests in the middle of the black circle before using the balancer.** Adjustments are made while the head rests on the support shaft (X-065). The bubble on the **Challenger Wheel Balancer** is mounted onto the top of the head assembly cone by three (3) adjusting screws. Turn one of the screws downward and the bubble moves away from that screw. Take care to make certain that the bubble rests squarely in the center of the black circle.

## CARE AND MAINTENANCE

- 1) Always keep No. 10 weight oil (or equivalent) around the pivot pin located in the upper end of the support shaft (X-065).  
[Arrow 2, Fig. A]
- 2) Make certain the four (4) guide posts on the head assembly are free of dirt and debris and kept treated with a light lubricant.
- 3) Keep dirt and any foreign materials from gathering on the bottom flange of the head assembly.

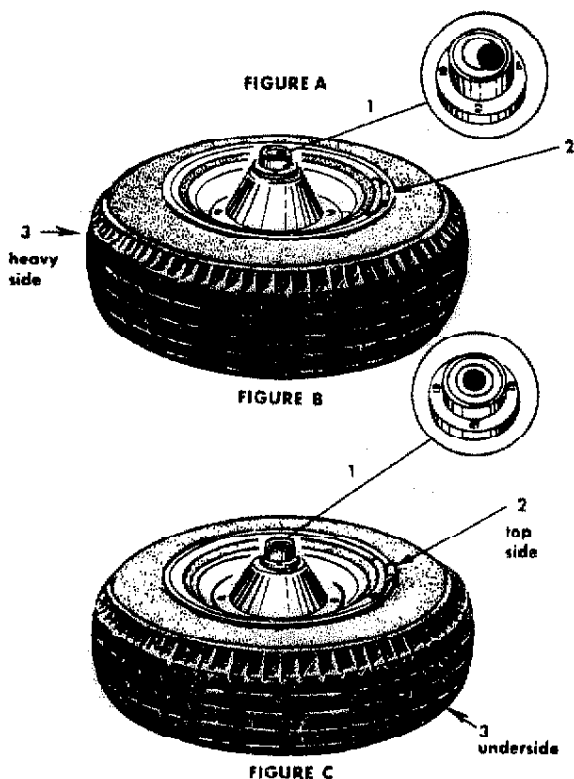
3. Remove the tire and wheel from the vehicle. Clean off any debris from the inside/underside of the rim. Check the hub hole on the rim to insure that it is clean to allow for uniform seating on the balancer cone (head assy.).

Place the tire/ wheel assembly on the balancer. Listen for uniform seating when tire/wheel assy. engages cone. Let the tire/wheel settle to a stop.

There exists an out-of-balance condition when the heavy side of the tire/wheel causes the bubble to move outside the black circle in the opposite direction from the heavy side. See Arrow 1, Figure B.

Place a weight on the light side of the rim closest to the bubble. See Arrow 2, Figure B. If the first weight does not bring the bubble back to the middle of the black circle, then try a larger (heavier) weight, or a smaller (lighter) weight to bring the bubble into the middle of the circle as shown in Arrow 1, Figure C.

4. Remove the tire/wheel from the balancer and place the proper amount of weight needed equally on both sides of the wheel. For example, if it requires a total of 3 ounces to balance the wheel, attach 1 1/2 ounce weight on the top of the wheel rim and 1 1/2 ounce weight on the underside of the wheel rim at the same location.



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