

Determining Balancing Mode

Dynamic Balancing

This is the default mode for the balancer.

This mode places weights on both the inner and outer plane of the wheel.

Static Balancing

This mode determines the position for a single adhesive weight along the centerline of the wheel. Wheels balanced in this mode may wobble if the imbalance mass is large enough and off the centerline of the wheel width. Wobble caused by an off center imbalance can only be corrected by dynamic balancing of the wheel.

When this mode is selected, the computer automatically calculates the middle of the wheel and the proper weight position. When attaching the weight, it is important that it be positioned as accurately as possible at the centerline (figure 14).

Attach the adhesive weight according to the top-dead-center positioning LEDs as described in the Balancing a Wheel section on page 8.

Important: After balancing the wheel, it is necessary to verify that the weight will clear the brake caliper when the wheel is mounted on the vehicle. The weight must not contact the brake caliper, or any other brake components when the wheel is mounted.

Note: It is advisable to cover the adhesive weight with a strip of duct tape to help prevent deterioration of the weight adhesive. Adhesive backed aluminum foil may also be used. Smooth out the covering to eliminate air pockets and bubbles, and smooth down all edges and corners.

Alloy Balancing

Balance specialty wheels with adhesive weights in this mode. The computer automatically calculates the outer weight position as the centerline of the wheel, and the inner weight position under the rim flange (figure 15).

Position the weights at top-dead-center as described in the Balancing a Wheel section. Make sure the outer weight is placed as accurately as possible to the centerline on a horizontal surface. Cover the weights with duct tape or adhesive backed aluminum foil as describe in Static Balancing (figure 16).

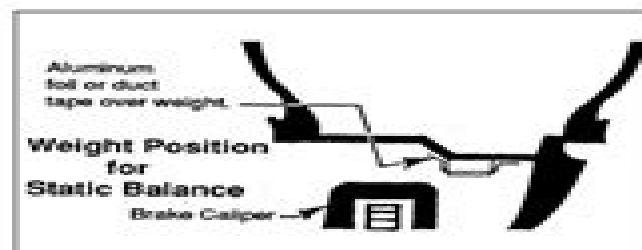


Figure 14 - Static Weight Positioning

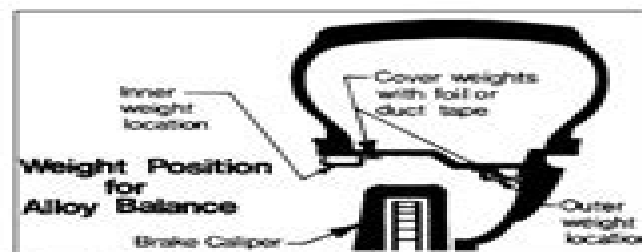


Figure 15 - Alloy Weight Positioning

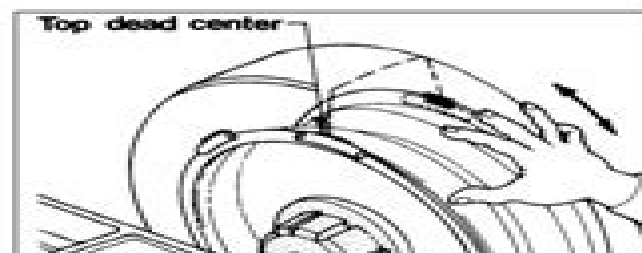


Figure 16 - Top-Dead-Center Weight Positioning

Coats 850 Wheel Balancer Manual

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