



# Service Bulletin

File in Section: 03 - Suspension

Bulletin No.: 09-03-10-016B

Date: February, 2014

## INFORMATION

**Subject:** Wheel Balancing Machine Finish Damage to Chrome Clad or ChromeTech® Wheels

**Models:** 2015 and Prior GM Passenger Cars and Trucks  
Equipped with Plastic Clad Aluminum Wheels

**Attention:** The information in this bulletin is intended for any personnel connected with tire and wheel assembly balancing. If your service department sublets tire and wheel servicing to another location, please share this information with the manager of that facility.

This bulletin has been revised to add the 2014-2015 model years. Please discard Corporate Bulletin Number 09-03-10-016A.

### Overview

Chrome clad wheels have become an increasingly popular option on General Motors vehicles. Due to the design of these wheels, GM now recommends specific handling precautions when performing high-speed balancing. This type of wheel has a chrome-plated plastic cladding applied to the front of the wheel. The cladding is permanently attached to the aluminum wheel with an adhesive foam. The foam material is not present near the conical seat area of the wheel. Without the support of the backing foam around the mounting stud holes, it is possible to damage the cladding during service balancing. Pressure on the cladding near the unsupported areas may cause the cladding to flex sufficiently to cause finish damage to the decorative chrome surface.

GM advises using a device that applies the clamping pressure from the wheel balancer to the stud holes in the wheel. This type of adapter will prevent damage to the chrome surface.

### Adjustable Flange Plate

Current GM-purchased wheel balancing machines are supplied with an adjustable wheel flange plate while other brands of balancers may have them available for purchase. This adapter style is easy to use and provides confident results.

### Typical Adjustable Wheel Flange Plate

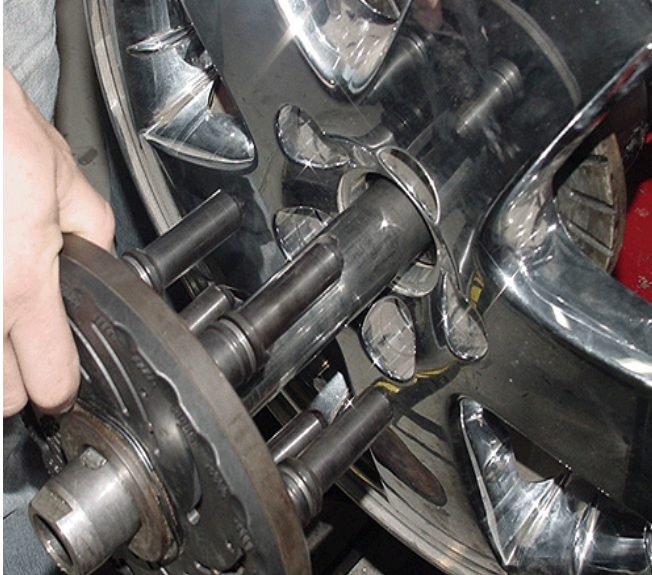


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To use the flange plate:

1. Place the wheel mounting cone on the spindle against the spring plate.
2. Determine the cone (or collet) that fits the center bore of the chrome clad wheels that are to be balanced.

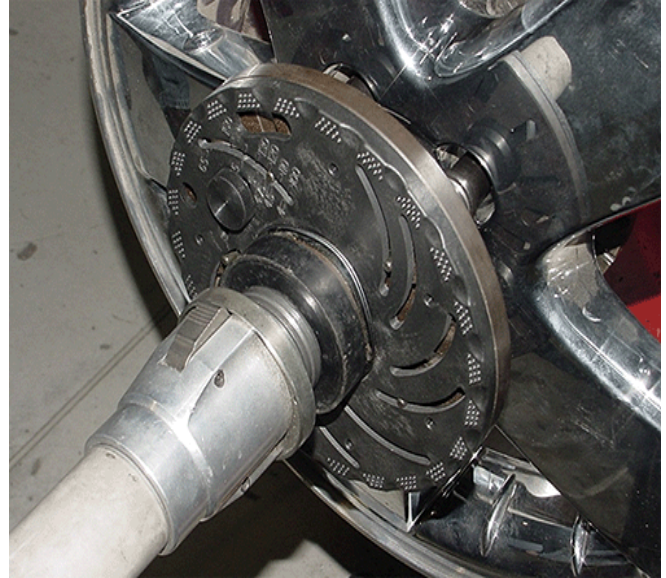
### Sizing and Mounting the Wheel to the Flange Plate



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3. Using the adjustable flange plate (that was delivered with your service balancer – Hunter style shown), adjust the pins to fit the desired lug pattern (consult the Service Balancer Operations Manual). The adjustable flange plate will center the wheels onto the shaft of a wheel balancer using the wheel lug holes and center bore area. It may be helpful to have more than one flange plate so that the most common wheel lug patterns can be pre-set on to each flange plate.
4. Mount the wheel with the inner rim facing the balancer and centered on the cone. Mount the flange plate to the spindle with pins matched to lug holes.

### Mounted Flange Plate Properly Connected to Balancer



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5. Install the pressure ring (or clamping cup) and wing nut on the spindle shaft against the adjustable flange plate. Secure the entire assembly by firmly tightening the wing nut.
6. Follow the normal wheel balance procedure for your balancing equipment.

### Parts Information

Adjustable wheel balancing flange plates for Hunter balancing machine are currently in stock and available for order. Please contact 1-800-GM-TOOLS (1-800-468-6657) to place an order. Similar adapters may be available for other brand wheel balancing machines. Contact your equipment distributor.