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# SERVICE BULLETIN

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| Classification:<br>WT11-005a | Reference:<br>NTB11-044a | Date:<br>December 21, 2012 |
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## NISSAN; WHEEL BALANCING SERVICE INFORMATION

This bulletin has been amended. Changes have been made on all pages.  
Please discard previous versions.

**APPLIED VEHICLES:** All 2011 – 2013 Nissan vehicles

### SERVICE INFORMATION

To increase tire/wheel assembly balancing accuracy, proper steps should be followed:

- Make sure to use the correct size wheel centering collet (do not use a cone).
- Make sure to use a flange plate and stud set to secure the tire/wheel assembly on the balancer (do not use a cup).

**NOTE:** For Hunter balancing equipment – specific centering and mounting tools (collets and flange plates) for Applied Vehicles are available – see page 6.

- Perform proper wheel mounting and centering checks.

Refer to the information in this bulletin for details on the above points.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

Select the correct size road wheel centering collet. Do not use a cone (see Figure 1).

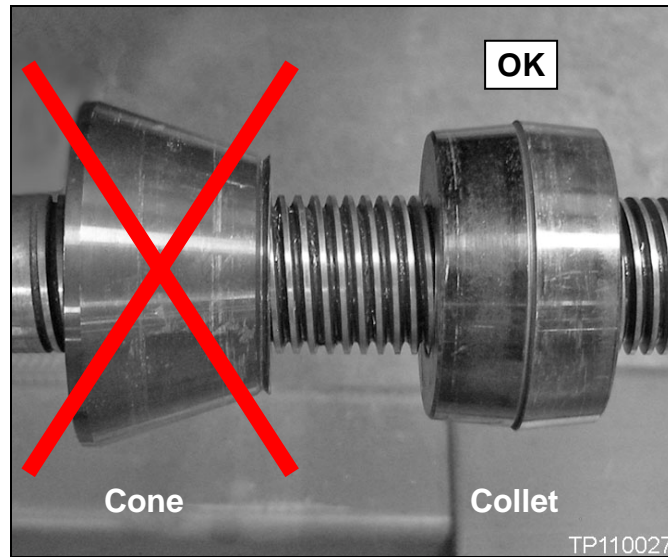


Figure 1

For proper centering, the road wheel-to-collet contact area should be at the point shown in Figure 2.

- Part Numbers for Hunter collets that fit Applied Vehicles are listed on page 6.
- For non-Hunter equipment, select a size and shape collet that will contact the road wheel at the point shown in Figure 2.

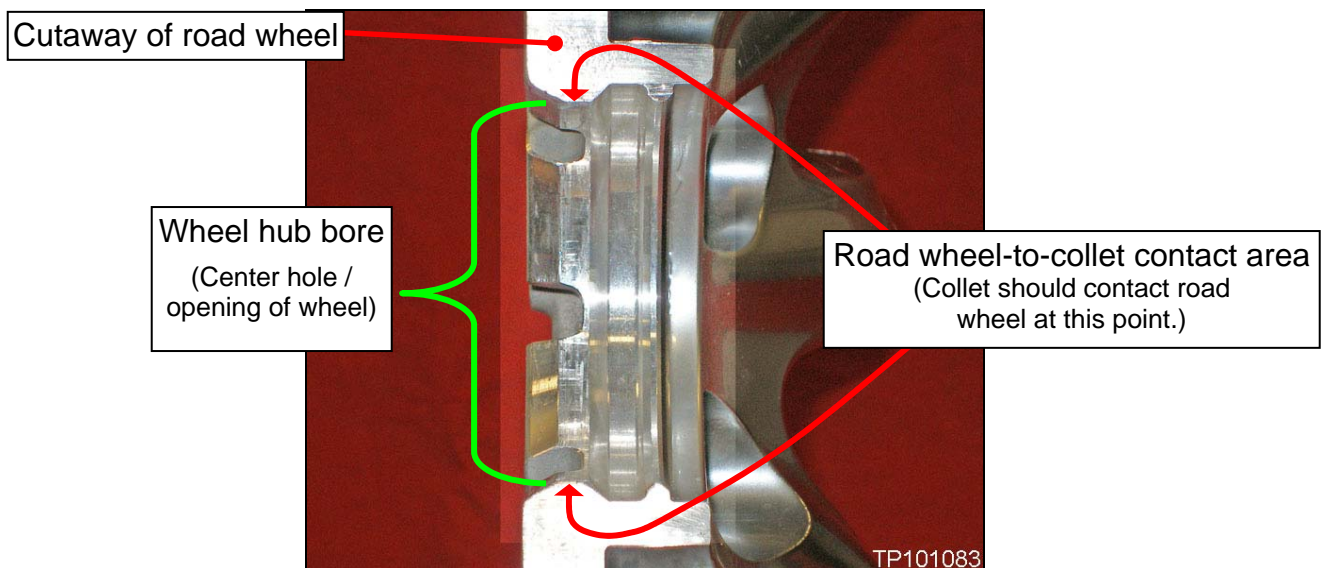


Figure 2

Use a flange plate and stud set to secure the tire/wheel assembly on the balancer. Do not use a cup (see Figure 3).

- Part Numbers for Hunter flange plates and stud sets that fit Applied Vehicles are listed on page 6.

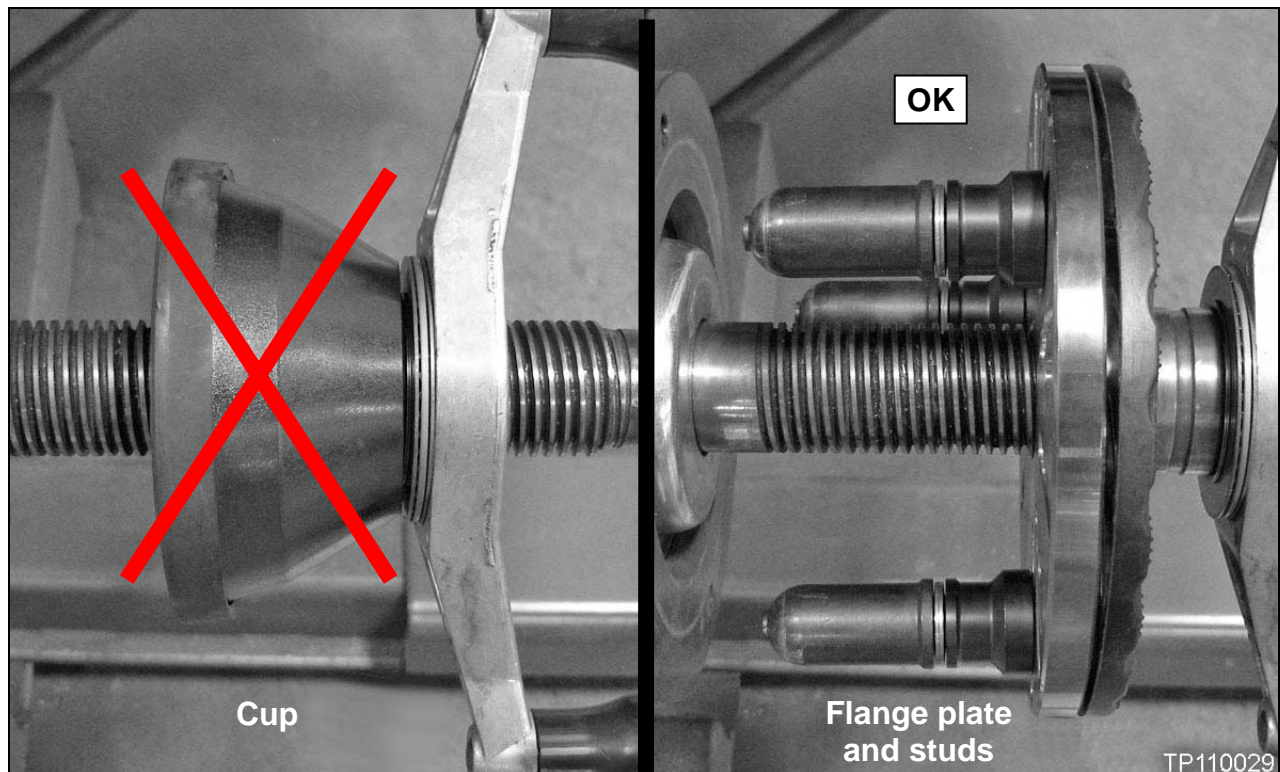


Figure 3

**NOTE:** Using a flange plate and stud set will improve wheel centering, which improves balance accuracy, and helps protect the wheel from damage (marks and nicks).

Properly mount the tire/wheel assembly to the wheel balancer (see Figures 4 and 5).

- Hunter equipment is shown, other equipment is similar.

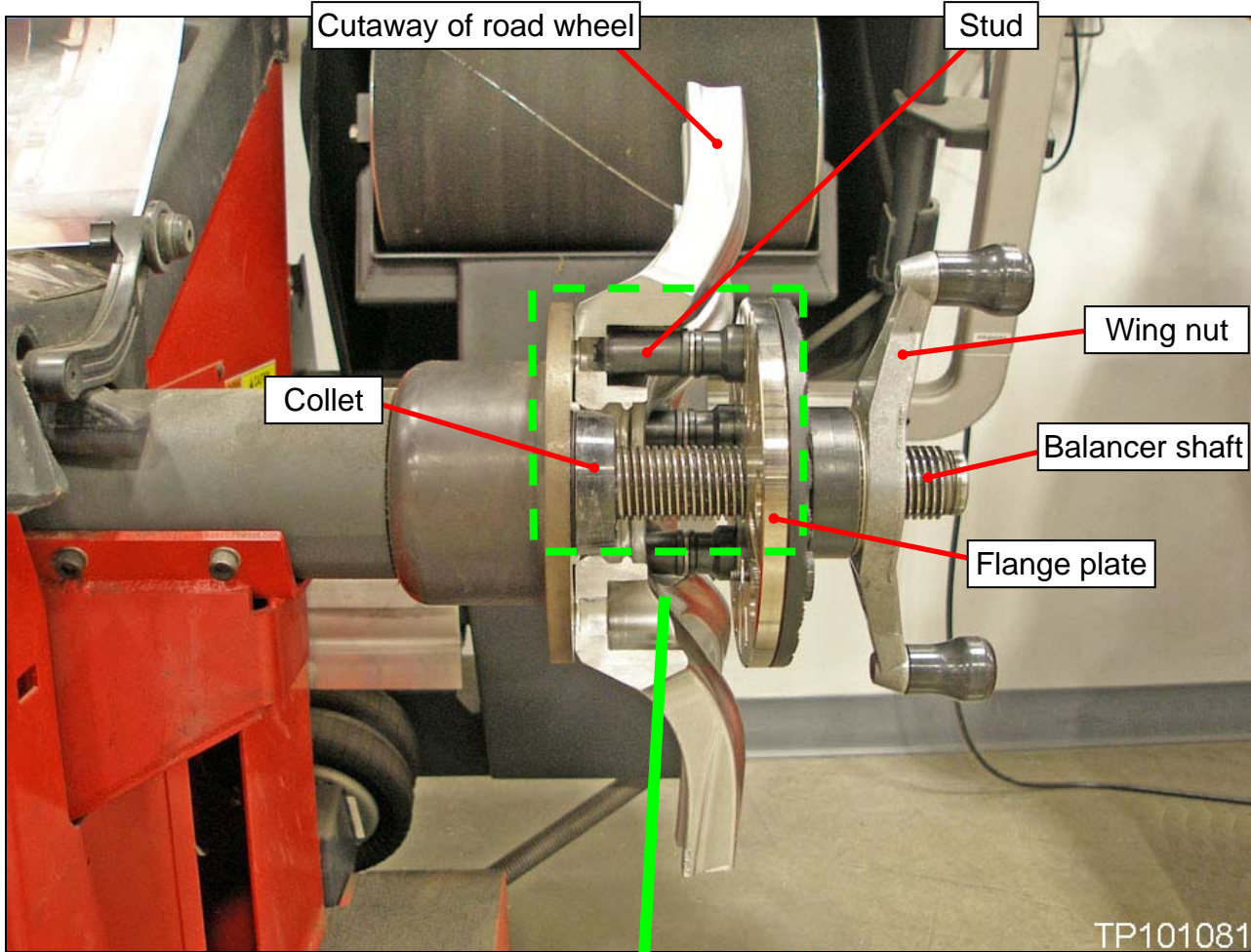


Figure 4

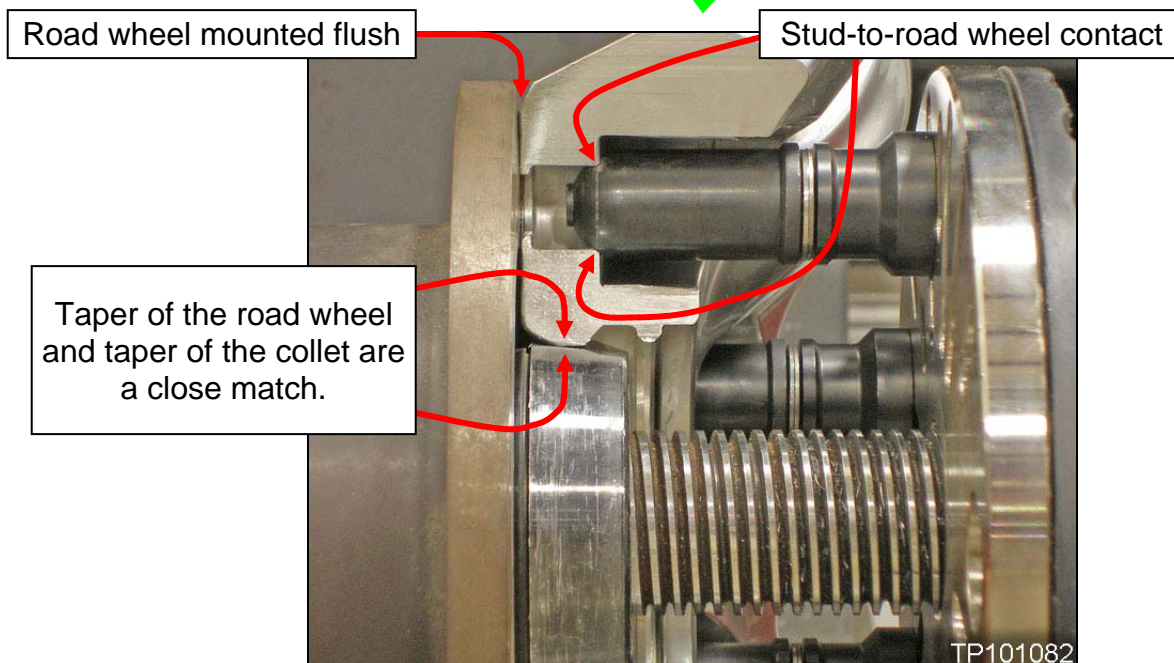


Figure 5

## Wheel Centering Quick Check

1. Run the tire/wheel assembly on the wheel balancer in the “non-round-off” mode and record the imbalance measurements.
  - Mark the location where the weight(s) are requested.
2. Loosen the wing nut while keeping the tire/wheel assembly from turning on the balancer shaft.
3. Rotate the tire/wheel assembly 180 degrees on the balancer shaft, and then secure it with the wing nut.
4. Run the tire/wheel assembly again.
  - The imbalance values should be within  $\frac{1}{4}$  ounce (7 grams) of the values in Step 1.
  - The weight(s) should be located within 2-3 inches (50-75 mm) of the locations in Step 1.

**Hunter collet and flange plate part numbers for applied Nissan vehicles:**

|  | COMPACT   | MID SIZE  | FULL SIZE | NV1500/2500/3500 LCV<br>(LIGHT COMMERCIAL VEHICLE) |
|--|-----------|-----------|-----------|--|
| HUNTER COLLET<br>PART NUMBERS                      | 192-155-2 | 192-157-2 | 192-160-2 | Collet and Flange<br>Plate Kit<br>1-20-2723-2      |
| HUNTER FLANGE<br>PLATE AND STUD SET<br>PART NUMBER | 20-1839-1 | 20-1839-1 | 20-1839-1 |  |



Figure 6



Figure 7