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GROUP: Tires and wheels

DATE: February 16, 2012

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SUBJECT:

Chrome Clad Wheel Adapters For Proper Balancing

OVERVIEW:

This bulletin describes the use of proper wheel adapters when mounting Chrome Clad wheels to wheel balancing equipment.

MODELS:

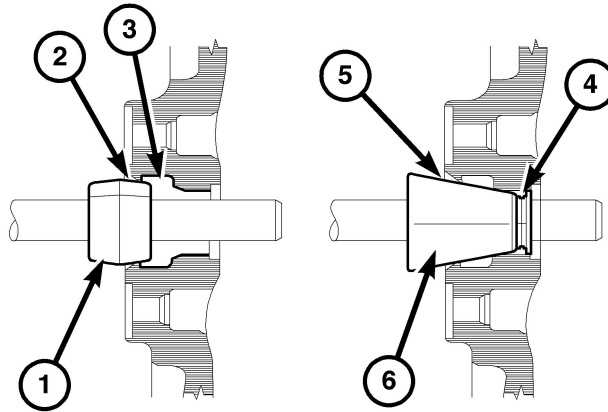
2004 -2008	(CS)	Pacifica
2007 - 2009	(D1)	Ram Truck (3500 Pick Up)
**2010 - 2012	(D2)	Ram Truck (3500 Pick Up) **
2007 - 2010	(DC)	Ram Truck (3500 Chassis Cab)
**2011 - 2012	(DD)	Ram Truck (3500 Chassis Cab) **
2005 - 2009	(DH)	Ram Truck (1500/2500 Pick Up)
**2011 - 2012	(DJ)	Ram Truck (2500 Pick Up) **
**2009 - 2012	(DS)	Ram Truck (1500) **
2004 - 2009	(HB)	Durango
2007 - 2009	(HG)	Aspen
**2009 - 2012	(JC)	Journey **
**2007 - 2012	(JK)	Wrangler **
**2007 - 2012	(JS)	Avenger/Sebring/200 **
**2007 - 2012	(KA)	Nitro/Nitro (International Markets) **
2002 - 2007	(KJ)	Liberty
2002 - 2007	(KJ)	Cherokee (International Markets)
**2008 - 2012	(KK)	Liberty **
**2009 - 2012	(LC)	Challenger **
**2005 - 2012	(LE)	Chrysler 300/300 (International Markets) **

2005 - 2010	(LX)	300/Magnum/Charger
2011 - 2012	(LX)	Chrysler 300
2011 - 2012	(LD)	Charger
2007 - 2010	(MK)	Compass/Patriot
2005 - 2012	(ND)	Dakota/Dakota (International Markets)
2007 - 2012	(PM)	Caliber
2001 - 2010	(PT)	Chrysler PT Cruiser
2001 - 2007	(RG)	Chrysler Voyager (International Markets)
2001 - 2007	(RS)	Town & Country/Caravan/Voyager
2008 - 2012	(RT)	Town & Country/Grand Caravan
2008 - 2012	(R2)	Town & Country/Grand Voyager (International Markets)
2011 - 2012	(WD)	Durango
2005 - 2012	(WH/W1/W2)	Grand Cherokee (International Markets)
2005 - 2012	(WK)	Grand Cherokee
2006 - 2010	(XH)	Commander (International Markets)
2006 - 2010	(XK)	Commander

NOTE: This information applies to any model equipped with Chrome Clad Wheels.

DISCUSSION:

Models equipped with Chrome Clad wheels require specific piloting on balance equipment to properly center the wheel and prevent damage to the chrome clad surface. The chrome cladding is not removable or replaceable and has cladding tabs that extend into the wheel bore. Traditional high-taper cones will come into contact with the cladding tabs rather than properly seat on the hub bore chamfer. Many modern aluminum wheel designs cannot be mounted with traditional cones. Direct-Fit Collets should be used to properly mount clad wheels on balance equipment ([Fig. 1](#)).



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Fig. 1 CONE PILOT

- 1 - Direct Fit - Dual Taper Cone (Use for Chrome Clad Wheels)
- 2 - Seated in Wheel Hub (Pilots Properly)
- 3 - No obstruction to Cone
- 4 - Obstruction Keeping Cone from Piloting
- 5 - Not Seated properly in Wheel Hub
- 6 - Traditional High Taper Cone

SPECIAL TOOLS/EQUIPMENT REQUIRED:

1-20-2382-1	Wheel Balance Kit, Collet / Flange Plate
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NOTE: This kit includes the adapters for all Dodge, Chrysler & Jeep models with clad wheels. Individual adapters for specific wheel sizes can be ordered separately. To order a kit or individual adapters, contact Pentastar Service Equipment @ 1-800-223-5623.

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