



SERVICE BULLETIN

Classification:

BR04-007a

Reference:

NTB04-094a

Date:

July 23, 2013

NISSAN; ON-CAR BRAKE ROTOR RESURFACING

<p>This bulletin has been amended to include vehicles built up to the publication date. No other changes were made. Please discard all previous versions of this bulletin.</p>
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APPLIED VEHICLES: All Nissan

If YOU CONFIRM:

A vehicle needs to have the brake rotors resurfaced (front or rear).

ACTION:

Use the ProCut™ PFM Series on-car brake lathe to perform brake rotor resurfacing and follow the tips listed in this bulletin.

- The ProCut™ PFM Series brake lathe has been chosen as the approved tool for rotor resurfacing.
- The ProCut™ PFM Series brake lathe can be ordered from TECH-MATE at 1-800-662-2001.
- ProCut™ technical support or service can be obtained by calling 1-800-543-6618.

NOTE: Brake rotors may need to be resurfaced during routine brake repair or for brake “judder” incidents.

- Brake judder: A brake pedal pulsation and/or steering wheel shimmy when braking that occurs when there is too much thickness variation of the brake rotors (see NTB00-033).

<p>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.</p>

TIPS FOR USING THE PROCUT™ PFM SERIES ON-CAR BRAKE LATHE

- Read and follow all instructions contained in the Technical Manual provided with your ProCut™ equipment.
- The ProCut™ brake lathe also comes with an instructional video that can be used as a training aid.
- Additional training is available from your local ProCut™ representative by calling 1-800-543-6618.

A. Make sure the cutting tips are sharp, in good condition and installed “right-side” up.

- Make sure to use ProCut™ brand tips.
- The cutting tip “UP” side has a groove or letters.

NOTE: A tip mounted upside-down will produce a surface finish that looks like an old LP record.

- Each cutting tip has three cutting corners. Rotate or replace the tip as needed.

NOTE: You should get at least 7 cuts per corner. However, tip life is affected by variables such as rust or ridges. In order to determine when to rotate tips, monitor the rotor finish. If the rotor finish begins to look inconsistent or feels rough to the touch, tips should be rotated or replaced. Tips that are chipped or cracked should never be used.

B. For best accuracy, “stabilize” (firmly support) the vehicle with a jack or jack stand as shown in Figure 1.

- On some hoists, the vehicle may “wobble” a little while using the on-car brake lathe. Not good.

CAUTION: Any rocking motion (wobble) of the vehicle during the ProCut™ “automatic compensation” procedure will reduce the accuracy of the resurfacing.

- If wobble occurs during the rotor resurfacing process/procedure, the finished rotor runout may be more than factory specification and should be checked before using the rotor.

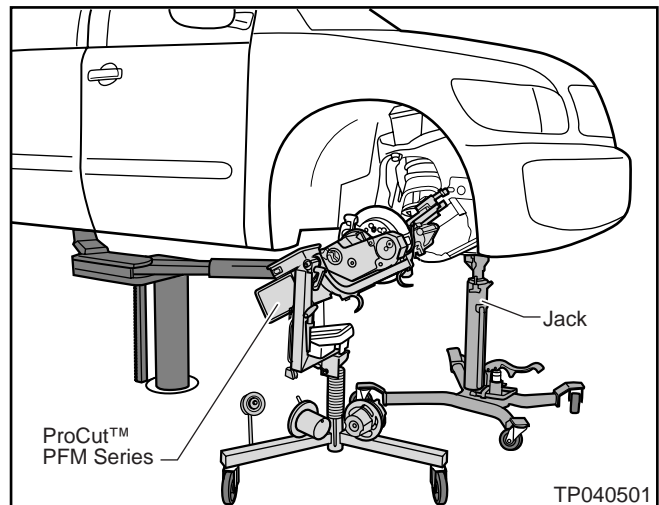


Figure 1

C. Prevent metal shavings from contacting or collecting on the ABS speed sensors.

- Remove any shavings that stick to the ABS speed sensor's magnet. It is best to clean the ABS sensor with the rotor removed.

D. After a rotor has been resurfaced with the ProCut™ brake lathe:

- If the rotor must be removed for any reason, mark the exact location (rotor to axle hub) before removing the rotor (see Figure 2).
- The rotor must be reinstalled back to the same location.

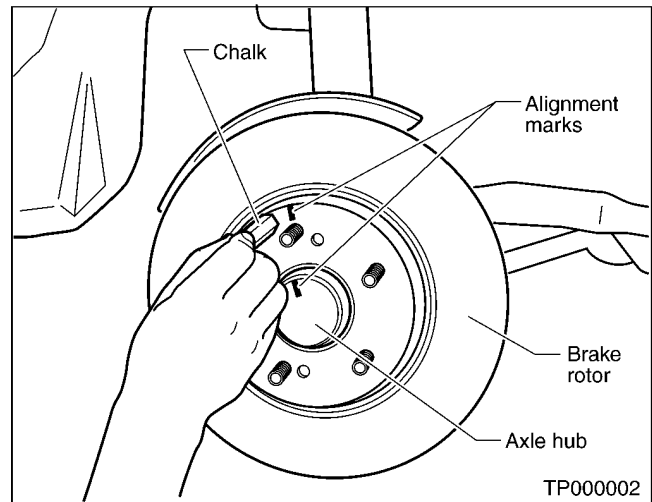


Figure 2

E. Do not tighten the wheel lug nuts with an air impact driver.

- Use a torque wrench to tighten the lug nuts to the proper torque specification.
- Uneven or high torque applied to the lug nuts may “distort” (warp) the brake rotor and hub. This may increase rotor runout and cause excessive rotor thickness variation as the rotor wears.

CLAIMS INFORMATION

Please reference the current Nissan "Warranty Flat Rate Manual" and submit your claim(s) using the Operation Code (Op Code) or combination of Op Codes that best describes the operations performed.