

**Q1.** The direct cause of brake pedal pulsation is ...

- A. Riding the brakes really hard down a long hill
- B. Disc Thickness Variation (DTV) in the Brake Rotor Surface
- C. Driving through a puddle after hard braking
- D. Sticky brake caliper slides

**Q2.** Lateral run-out on the brake rotor surface should be @ or less than \_\_\_\_\_ on most vehicles.

- A. .005"                       B. .020"                       C. .002"                       D. .010"

**Q3.** Pro-Cut PFM lathes are designed to compensate automatically to \_\_\_\_\_ or less to meet all OEM specs.

- A. .001"                       B. .002"                       C. .010"                       D. .005"

**Q4.** The measurement for surface finish on a rotor's machined surface is called the \_\_\_\_\_

- A. Smoothness quotient (Sq)     B. Roughness Average (Ra)     C. Thickness Variation (Tv)     D. Micro Feel (Mf)

**Q5.** If a Pro-Cut PFM on-car lathe is taking longer than \_\_\_\_\_ to adjust, you should turn off the motor and double-check the setup to be certain that all components are installed properly and securely.

- A. 10 seconds                       B. 5 minutes                       C. 1 min. 30 secs.                       D. 15 minutes

**Q6.** Each line on a Speed-Lock cutting head tool arm knob moves the cutting tip \_\_\_\_\_ in or out.

- A. .001"                       B. .0025"                       C. .010"                       D. .020"

**Q7.** Maximum cutting depth per side on a Pro-Cut lathe is \_\_\_\_\_ per side.

- A. .007"                       B. .004"                       C. .010"                       D. .020"

**Q8.** You should be able to successfully refinish most rotors in \_\_\_\_\_ cut(s) if you properly reference the thinnest part of the rotor. .

- A. 1                       B. 2                       C. 3                       D. 4

**Q9.** Unevenly torqued wheel lug nuts or bolts can cause \_\_\_\_\_, even after using the Pro-Cut lathe properly!

- A. The best brake job possible     B. No problem whatsoever     C. Rotor "deflection" and actually induce run-out     D. The rotor surface finish to improve

**Q10.** The goal for the Ra (Roughness Average) of your final surface finish should be between \_\_\_\_\_ & \_\_\_\_\_.

- A. 5Ra and 15Ra                       B. 30Ra and 60Ra                       C. 100Ra and 150Ra                       D. 150Ra and 180Ra

**Q11.** Which of the following items is not part of the correct vehicle set-up for use of a Pro-Cut lathe?

- A. Transmission in neutral     B. Traction control disen gaged     C. Factory rotor retaining clips Removed     D. Hub and rotor mating sur faces left dirty and rusty

**Q12.** Pro-Cut lathes provide a non-directional finish without performing additional swirl sanding — true or false?

- A. True                       B. False

**Q13.** Which is best for washing newly resurfaced rotors?

- A. Glass cleaner                       B. Non-Chlorinated Brake Cleaner                       C. Chlorinated Brake Clean                       D. Soap & warm water

**Q14.** The dots on the corners of the cutting tips should always be pointing up when installed.

- A. True                       B. False

**Q15.** A pair of genuine standard carbide Pro-Cut cutting tips (50-742) can be used for approximately \_\_\_\_\_ cuts per corner.

- A. 1 to 3                       B. 7 to 10                       C. 4 to 6                       D. 11 to 13