

SERVICE BULLETIN

HONDA

AUTOMOBILE SERVICE DEPARTMENT

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|-------|-------------------------|------------|--------------|
| Model | Applicable To | File Under | Bulletin No. |
| ALL | ALL Except 2WD Passport | BRAKES | 86-020 |
| | | | Issue Date |
| | | | May 27, 1986 |

Brake Disc Refinishing (Supersedes 86-020, dated October 3, 1986)

Brake disc replacement under warranty is not allowed unless the disc is beyond its maximum refinishing limit. If a disc is within its limit, it must be refinished. For front and rear brake disc maximum refinishing limit specifications, refer to section 19 of the appropriate service manual (section 5A2 for Passports).

Front Brake Discs

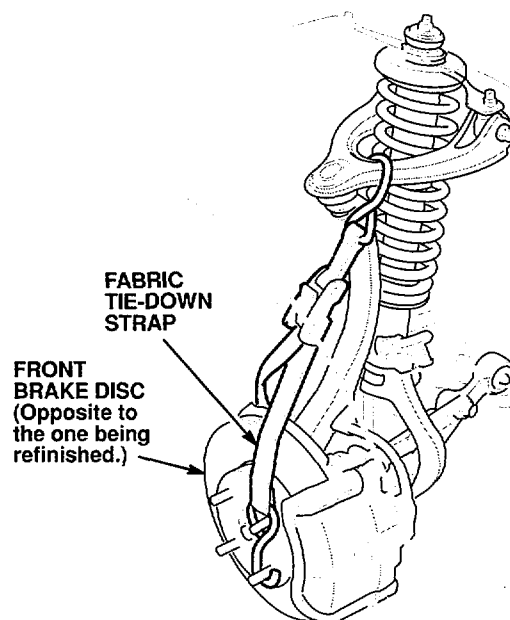
Whenever a front brake disc is replaced, it must be refinished on the car. Refinishing new front discs is included in the flat-rate time for disc replacement.

To avoid brake vibration, always refinish front brake discs on the car with the Kwik-Way or Snap-on brake lathe. Purchasing information for these lathes is in Service Bulletin 87-034, *Front Brake Disc Refinishing Equipment*, filed in the Special Tools section.

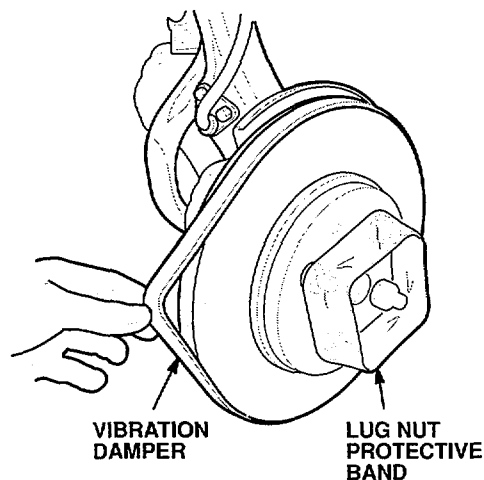
Follow these tips to get the best results from your on-car brake lathe. (For detailed instructions, refer to the lathe's operating manual.)

- Before refinishing, warm the engine to normal operating temperature.
- On 2WD vehicles, lift both front wheels off the ground. On 4WD vehicles, lift all four wheels off the ground.
- On 4WD Passports, make sure that the hub nut is properly adjusted (with no end play) and the transmission is in 4H.

- On Preludes with ATTS (Active Torque Transfer System), let both front wheels turn freely. On other vehicles, use a tie-down strap to secure the disc opposite to the one being refinished.

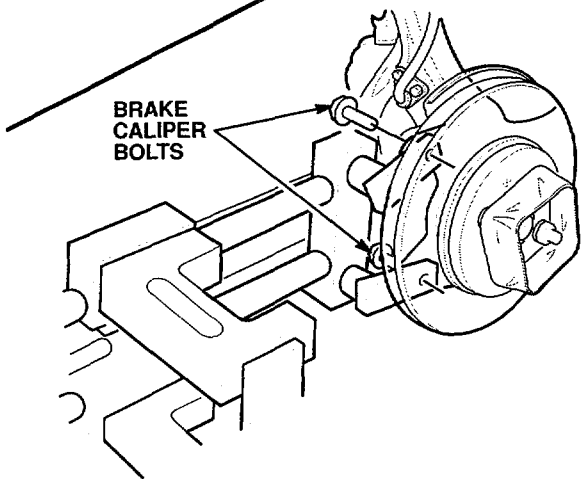
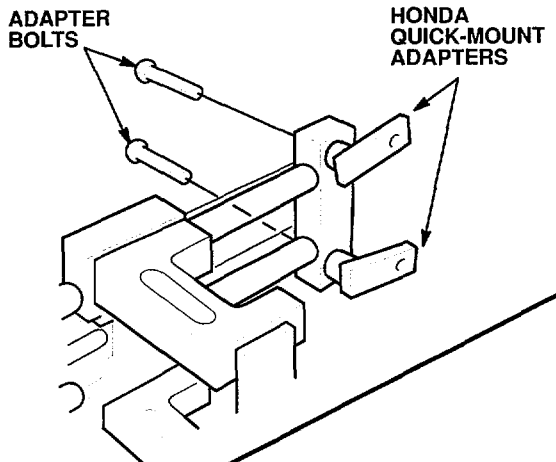


- Install the vibration damper on the disc, and install the protective band around the wheel lug nuts.

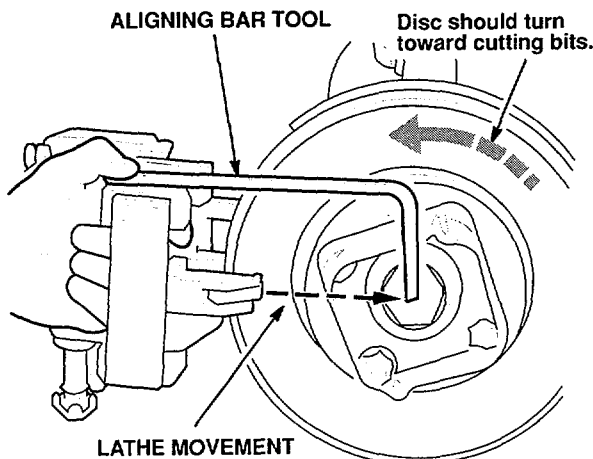


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- Mount the lathe to the caliper bracket with Honda Quick-Mount Adapters. The adapters can be ordered through the Honda Tool and Equipment Program; contact Special Tools at 800-346-6327. The advantage of using the adapters is that they don't have to be removed from the lathe once they are installed.

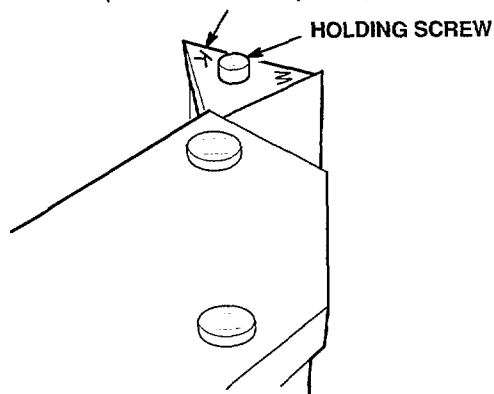


- Use the aligning bar tool to ensure that the lathe moves square to the center of the brake disc. The disc should turn toward the cutting bits.

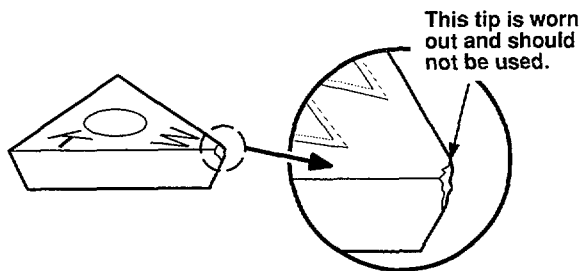


- Use "Kwik-Way" cutting bits (P/N KW109-1092-23, H/C 5418868) and the holding screws that come with them. These bits are stamped "K W." They can be purchased from American Honda using normal parts ordering procedures, or by contacting a Kwik-Way distributor. The Kwik-Way P/N is 109-1092-23.

"KWIK-WAY" CUTTING BIT
(K W should face upward.)



- Before using the lathe, inspect the tips of the cutting bits with a magnifying glass to make sure they are not worn out. Each bit has three tips.



- Do not set the cutting depth on the lathe to more than 0.2 mm (0.008 in.) This is two divisions on the cutting knob.
- To refinish, the transmission must be in first gear (D3 or D4, if the shift selector doesn't have a first gear position; second gear on Preludes with ATTS), with the engine at idle (not fast idle). If the transmission and engine are at higher gears and speeds, you will damage the cutting bits.

Rear Brake Discs

Refinish rear brake discs off the car with conventional disc refinishing equipment.

WARRANTY CLAIM INFORMATION

None; information only.