



Haynes
shows you how

BMW 3-Series and Z4 (99-05) Includes 2006 325ci/330ci Coupe and Convertible models Haynes Online Manual.

17 Parking brake shoes - removal and installation

Note:

Before starting work, refer to the precautions in [Section 1](#) .

Removal

1 Remove the rear [brake disc](#) as described in [Section 7](#) , and make a note of the correct installed position of all components.

2 Using a pair of pliers, carefully unhook and remove the parking [brake shoe](#) return springs (see illustrations) .

17.2a Using pliers, unhook and remove the parking brake shoe front . . .



17.2b . . . and rear return springs



3 Release the shoe retaining pins using pliers by depressing them and rotating them through 90°, then remove the pins and springs (see illustrations) .

17.3a Rotate the retainer pins through 90°

. . .



17.3b . . . then remove the pins and springs . . .



4 Remove both parking brake shoes, and recover the shoe adjuster mechanism, noting which way around it is installed (see illustration) .

17.4 . . . and parking brake shoes



5 Inspect the parking brake shoes for wear or contamination, and replace if necessary. It is recommended that the return springs are replaced as a matter of course.

6 While the shoes are removed, clean and inspect the condition of the shoe adjuster and expander mechanisms, replace them if they show signs of wear or damage. If all is well, apply a fresh coat of brake grease (BMW recommend Molykote Paste G) to the threads of the adjuster and sliding surfaces of the expander mechanism (see illustration) . Do not allow the grease to contact the shoe friction material.

17.6 Clean the adjuster assembly and coat it with fresh brake grease



Installation

7 Prior to installation, clean the backing plate, and apply a small amount of high-temperature brake grease or anti-seize compound to all those surfaces of the backing plate which bear on the shoes. Do not allow the lubricant to foul the friction material.

8 Offer up the parking brake shoes, and secure them in position with the retaining pins and springs.

9 Make sure the lower ends of the shoes are correctly engaged with the expander, then slide the adjuster mechanism into position between the upper ends of the shoes (see illustration) .

17.9 Install the adjuster assembly, making sure it is correctly engaged with both parking brake shoes



10 Check that all components are correctly installed, and fit the upper and lower return springs using a pair of pliers.

11 Center the parking brake shoes, and install the brake disc as described in [Section 7](#) .

12 Prior to installing the wheel, adjust the parking brake as described in [Section 14](#) .

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