

# Service Bulletin

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**mazda**

Category P	Applicable Model/s All Models 1989-'92	Subject <b>BRAKE ROTOR/DRUM INSPECTION CRITERIA</b>	Bulletin No. 003/91 Issued 10/9/91 Revised
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## DESCRIPTION

When inspecting the brake rotor or drum for wear, refer to the following to determine if a rotor/drum can be resurfaced by machining.

## INSPECTION PROCEDURE

### Brake Rotor Inspection:

Many rotors have been replaced unnecessarily for brake noise. If the rotors do not contain cracks or deep grooves, and the remaining rotor thickness allows for machining, the rotors should be resurfaced.

#### NOTE:

Minimum allowed rotor thickness is stamped on rotor surface.

### Rotor Thickness Specification:

#### MPV 1992

##### 4X2

New	30.0 mm (1.18 in)
Minimum	28.0 mm (1.10 in)

##### 4X4

New	28.0 mm (1.10 in)
Minimum	26.0 mm (1.02 in)

#### MPV 1989-'91

##### 4X2 & 4X4

New	24.0 mm (0.94 in)
Minimum	22.0 mm (0.87 in)

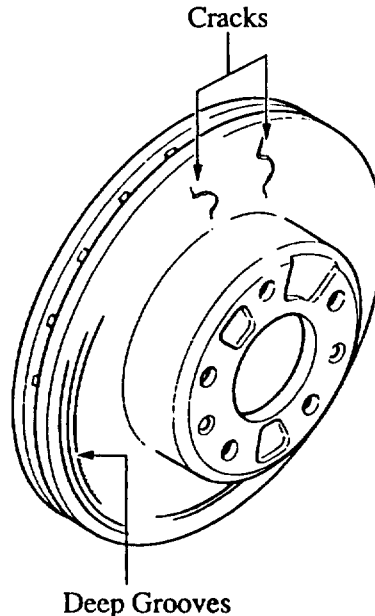
#### B-Series 1989-'92

##### 4X4

New	22.0 mm (0.87 in)
Minimum	20.0 mm (0.79 in)

##### 4X2

New	20.0 mm (0.79 in)
Minimum	18.0 mm (0.71 in)



**IMPORTANT:** Service and Parts Managers should read this bulletin carefully, sign and convey all information to those concerned.

Signature \_\_\_\_\_

Service Manager

Signature \_\_\_\_\_

Parts Manager

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Navajo 1991-'92

New ..... 24.9 mm (0.98 in)  
Minimum ..... 20.6 mm (0.81 in)

323/Protegé

(Front) 1990-'92

New ..... 22.0 mm (0.87 in)  
Minimum ..... 20.0 mm (0.79 in)

(Front) 1989

New ..... 18.0 mm (0.71 in)  
Minimum ..... 16.0 mm (0.63 in)

(Rear) 1989-'92

New ..... 9.0 mm (0.35 in)  
Minimum ..... 7.0 mm (0.28 in)

(Rear) 1989

New ..... 10.0 mm (0.39 in)  
Minimum ..... 8.0 mm (0.31 in)

MX-3 1992

(Front)

New ..... 22.0 mm (0.87 in)  
Minimum ..... 20.0 mm (0.79 in)

(Rear)

New ..... 9.0 mm (0.35 in)  
Minimum ..... 8.0 mm (0.31 in)

626/MX-6 1989-'92

(Front)

New ..... 24.0 mm (0.94 in)  
Minimum ..... 22.0 mm (0.87 in)

(Rear)

New ..... 10.0 mm (0.39 in)  
Minimum ..... 8.0 mm (0.31 in)

MX-5 1990-'92

(Front)

New ..... 18.0 mm (0.71 in)  
Minimum ..... 16.0 mm (0.63 in)

(Rear)

New ..... 9.0 mm (0.35 in)  
Minimum ..... 7.0 mm (0.28 in)

RX-7 1989-'91

(Front)

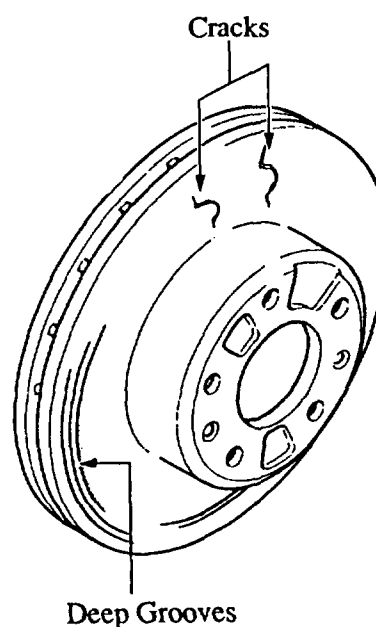
New ..... 22.0 mm (0.87 in)  
Minimum ..... 20.0 mm (0.79 in)

(Rear Solid)

New ..... 10.0 mm (0.39 in)  
Minimum ..... 8.0 mm (0.31 in)

(Rear Ventilated)

New ..... 20.0 mm (0.79 in)  
Minimum ..... 18.0 mm (0.71 in)



**Rotor Thickness Specification (Cont.)**

929

(Front) 1992

New ..... 24.0 mm (0.94 in)

Minimum ..... 22.0 mm (0.87 in)

(Front) 1989-'91

New ..... 22.0 mm (0.87 in)

Minimum ..... 20.0 mm (0.79 in)

(Rear) 1990-'92

New ..... 18.0 mm (0.71 in)

Minimum ..... 16.0 mm (0.63 in)

(Rear) 1989

New ..... 10.0 mm (0.39 in)

Minimum ..... 8.0 mm (0.31 in)

**Brake Drum Inspection:**

Most brake drums DO NOT require replacement. Only drums containing deep grooves or blue (hot) spots should be replaced. Drums not showing these signs should be resurfaced by means of machining as long as the maximum inside diameter is not exceeded.

**NOTE:**

Maximum allowed drum inside diameter is stamped on the exterior drum surface.

**Brake Drum Specification:**

MPV 1989-'92

Inside Diameter (New) ... 260.0 mm (10.24 in)

Inside Diameter (Max.) .. 261.5 mm (10.30 in)

B-Series 1989-'92

Inside Diameter (New) ... 260.0 mm (10.24 in)

Inside Diameter (Max.) .. 261.5 mm (10.30 in)

Navajo 1991-'92

Inside Diameter (Max.) .. 256.3 mm (10.09 in)

323/Protegé 1989 &amp; '92

Inside Diameter (New) ... 200.0 mm (7.87 in)

Inside Diameter (Max.) .. 201.0 mm (7.91 in)

323/Protegé 1990 &amp; '91

Inside Diameter (New) ... 228.6 mm (9.00 in)

Inside Diameter (Max.) .. 229.6 mm (9.04 in)

MX-3 1992

Inside Diameter (New) ... 200.0 mm (7.87 in)

Inside Diameter (Max.) .. 201.0 mm (7.91 in)

626/MX-6 1989-'92

Inside Diameter (New) ... 228.6 mm (9.00 in)

Inside Diameter (Max.) .. 230.1 mm (9.06 in)

