

Mazda Rx 7 Braking Systems Workshop Repair Manual

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This file was not scanned to deprive Mazda of any money – it was scanned due to the rareness of the original manuals and the overwhelming need of the RX-7 owner to have this information so that they can accurately troubleshoot problems. Perhaps if Mazda's dealerships could support the Rotary Engine it wouldn't be so necessary for the owners to do so.



Many thanks to Anh Diep for scanning this file.

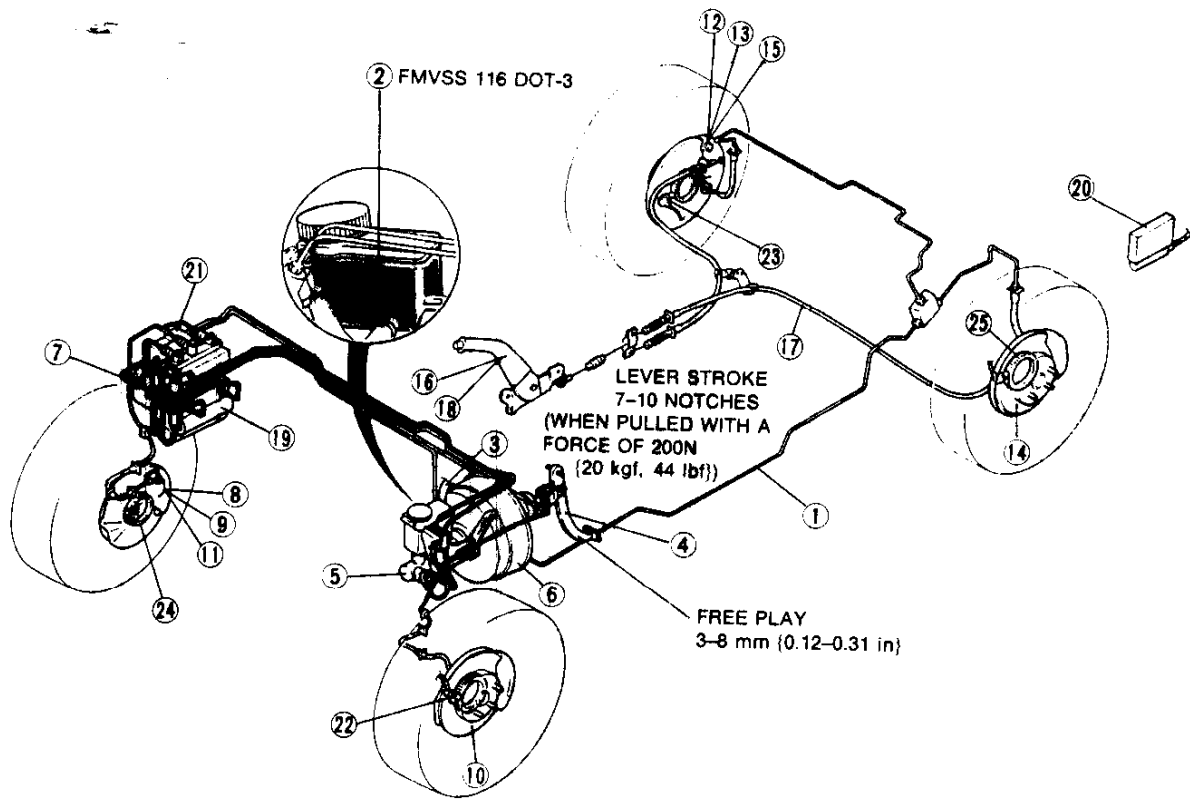
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Before beginning any service procedure, refer to the 1993 RX-7 Body Electrical Troubleshooting Manual; see section S for air bag system precautions and J1 for audio anti-theft system precautions.

BRAKING SYSTEM

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OUTLINE

SPECIFICATIONS

Item		Specifications	
Brake pedal			
Type		Suspended	
Lever ratio		4.1 : 1	
Maximum stroke	mm {in}	135 {5.31}	
Master cylinder			
Type		Tandem (with level sensor) Portless, recessed type	
Bore	mm {in}	23.8 {0.94}	
Front brake			
Type		Disc (ventilated)	
Cylinder bore	mm {in}	36.1 {1.42}	
Pad dimension (area × thickness)	mm ² × mm {in ² × in}	Outer	4500 × 10.3 {6.97 × 0.41}
		Inner	4500 × 9.3 {6.97 × 0.37}
Disc plate dimension (outer diameter × thickness)	mm × mm {in × in}		294.0 × 22.0
			{11.57 × 0.87}
Rear brake			
Type		Disc (ventilated)	
Cylinder bore	mm {in}	34.9 {1.37}	
Pad dimension (area × thickness)	mm ² × mm {in ² × in}		3210 × 8.0
			{4.98 × 0.31}
Disc plate dimension (outer diameter × thickness)	mm × mm {in × in}		294.0 × 20.0
			{11.57 × 0.79}
Power brake unit			
Type		Vacuum multiplier	
Size	mm {in}	209.5 + 215.2 {8 + 8}	
Rear wheel hydraulic control system			
Type		Proportioning bypass valve	
Switching point (master cylinder pressure)	kPa {kgf/cm ² , psi}	3920 {40.0, 570}	
Parking brake			
Type		Mechanical two-rear-wheel control	
Operation system		Hand lever	
Brake fluid			
Type		FMVSS 116 DOT-3	


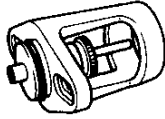
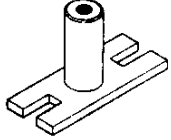
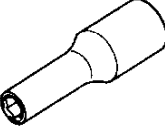
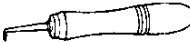
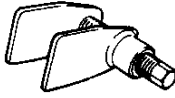
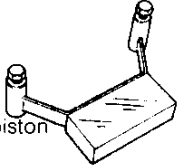
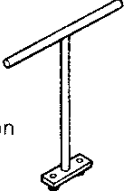

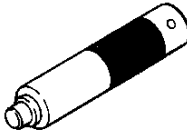

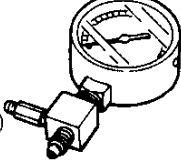
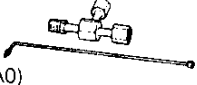
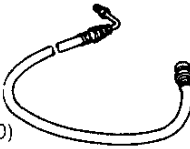
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CONVENTIONAL BRAKE SYSTEM



CONVENTIONAL BRAKE SYSTEM

**PREPARATION
SST**

49 0259 770B Wrench, flare nut		For removal / installation of brake pipe	49 B043 001 Gauge, adjustment		For adjustment of push rod clearance
49 B043 003 lock tool, turning		For adjustment of push rod clearance	49 B043 004 Wrench, socket		For adjustment of push rod clearance
49 0208 701A Air out tool, boot		For removal of piston seal	49 0221 600C Expansion tool, disc brake		For installation of disc pads
49 F033 001 Stopper, disc brake piston		For removal of disc brake piston	49 FA18 602 Wrench, disc brake piston		For removal of disc brake piston
49 1285 071 Puller, bearing		For removal of bearing	49 B043 002 Installer, bearing		For installation of bearing
49 U043 0A0 Gauge set, oil pressure		For measurement of fluid pressure	49 U043 004 Gauge, oil pressure (Part of 49 U043 0A0)		For measurement of fluid pressure
49 U043 005 Joint (Part of 49 U043 0A0)		For measurement of fluid pressure	49 U043 006 Hose (Part of 49 U043 0A0)		For measurement of fluid pressure

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