

# BRAKE

## SERVICE DATA

(2005/11-2006/01)

### Stop Light Switch

Stop light switch BR-13	Resistance 1 - 2	Switch pin released	Below 1 $\Omega$
	Resistance 1 - 2	Switch pin pushed in	10 k $\Omega$ or higher

### Brake Pedal Load Sensing Switch

Brake pedal load sensing switch BC-216	Resistance 1 - 2	Brake pedal depressed	Approx. 1 k $\Omega$
	Resistance 1 - 2	Brake pedal released	Approx. 213 $\Omega$

### Brake Pedal

Brake pedal height from dash panel BR-13	184.2 to 194.2 mm (7.252 to 7.646 in.)
Stop light switch clearance BR-13	1.5 to 2.5 mm (0.059 to 0.098 in.)
Brake pedal free play BR-14	1.0 to 6.0 mm (0.039 to 0.236 in.)
Brake pedal reserve distance from dash panel BR-14	See the table below.

### Brake Pedal Reserve Distance from Dash Panel

Engine	Seat Type	Specified Condition
2AZ-FE	w/o 3rd seat	More than 95 mm (3.74 in.)
	w/ 3rd seat	More than 120 mm (4.72 in.)

### Brake Fluid Level Warning Switch

Brake fluid level warning switch BR-20	Resistance 1 - 2	Float up (Switch OFF)	10 k $\Omega$ or higher
	Resistance 1 - 2	Float down (Switch ON)	Below 1 $\Omega$

### Brake Booster

Booster push rod and pin head (SST) clearance BR-24	-0.21 to 0 mm (-0.0083 to 0 in.)
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### Front Brake

Pad lining thickness BR-42		Standard	12.0 mm (0.472 in.)
		Minimum	1.0 mm (0.039 in.)
Disc thickness BR-43	15-inch disc	Standard	25.0 mm (0.984 in.)
		Minimum	22.0 mm (0.866 in.)
	16-inch disc	Standard	28.0 mm (1.102 in.)
		Minimum	25.0 mm (0.984 in.)
Disc runout BR-43		Maximum	0.05 mm (0.0020 in.)

### Rear Brake

Pad lining thickness BR-57		Standard	10.5 mm (0.413 in.)
		Minimum	1.0 mm (0.039 in.)
Disc thickness BR-58		Standard	12.0 mm (0.472 in.)
		Minimum	10.5 mm (0.413 in.)
Disc runout BR-58		Maximum	0.15 mm (0.0059 in.)

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## SERVICE DATA

(2006/01- )

### Stop Light Switch

Stop light switch BR-13	Resistance 1 - 2	Switch pin released	Below 1 $\Omega$
	Resistance 1 - 2	Switch pin pushed in	10 k $\Omega$ or higher

### Brake Pedal Load Sensing Switch

Brake pedal load sensing switch BC-216	Resistance 1 - 2	Brake pedal depressed	Approx. 1 k $\Omega$
	Resistance 1 - 2	Brake pedal released	Approx. 213 $\Omega$

### Brake Pedal

Brake pedal height from dash panel BR-15	184.2 to 194.2 mm (7.252 to 7.646 in.)
Stop light switch clearance BR-15	1.5 to 2.5 mm (0.059 to 0.098 in.)
Brake pedal free play BR-15	1.0 to 6.0 mm (0.039 to 0.236 in.)
Brake pedal reserve distance from dash panel BR-16	See the table below.

### Brake Pedal Reserve Distance from Dash Panel

Engine	Specified Condition
2AZ-FE (w/o 3rd seat)	More than 95 mm (3.74 in.)
2AZ-FE (w/ 3rd seat)	More than 120 mm (4.72 in.)
2GR-FE	More than 120 mm (4.72 in.)

### Brake Fluid Level Warning Switch

Brake fluid level warning switch BR-20	Resistance 1 - 2	Float up (Switch OFF)	10 k $\Omega$ or higher
	Resistance 1 - 2	Float down (Switch ON)	Below 1 $\Omega$

### Brake Booster

Booster push rod and pin head (SST) clearance BR-24	-0.21 to 0 mm (-0.0083 to 0 in.)
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### Front Brake

Pad lining thickness BR-42	Standard	12.0 mm (0.472 in.)	
	Minimum	1.0 mm (0.039 in.)	
Disc thickness BR-43	15-inch disc	Standard	25.0 mm (0.984 in.)
		Minimum	22.0 mm (0.866 in.)
	16-inch disc	Standard	28.0 mm (1.102 in.)
		Minimum	25.0 mm (0.984 in.)
Disc runout BR-43	Maximum	0.05 mm (0.0020 in.)	

### Rear Brake

Pad lining thickness BR-57	Standard	10.5 mm (0.413 in.)
	Minimum	1.0 mm (0.039 in.)
Disc thickness BR-58	Standard	12.0 mm (0.472 in.)
	Minimum	10.5 mm (0.413 in.)
Disc runout BR-58	Maximum	0.15 mm (0.0059 in.)