

MVMA Specifications

Vehicle Line Sebring
 Model Year 1995 Issued 1994-11 Revised (*) _____

METRIC (U.S. Customary)

Model Code/Description And/Or
 Engine Code/Description

D41A

Brakes - Service

Description		-			
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)	AMBRAKE Company Limited, Disc			
	Rear (disc or drum)	AMBRAKE Company Limited, Drum			
Valving type (proportion, delay, metering, other)		Proportion valve			
Power brake (std., opt., n.a.)		Std.			
Booster type (remote, integral, vac., hyd., etc.)		Integral			
Vacuum	Source (inline, pump, etc.)	Inline			
	Reservoir (volume in. ³)	-			
	Pump-type (elec, gear driven, belt driven)	-			
Traction assist	Operational speed range	-			
	Type (engine or brake intervention)	-			
Anti-lock device	Front / rear (std., opt., n.a.)	Opt.			
	Manufacturer	Robert Bosch Company Limited			
	Type (electronic, mech.)	Electronic			
	Number sensors or circuits	4			
	Number anti-lock hydraulic circuits	3			
	Integral or add-on system	Add-on			
	Yaw control (yes, no)	No			
Hydraulic power source (elec., vac. mtr., pwr. strg.)		Electronic			
Effective area cm ² (in. ²)*		F: 196 (31.3) / R: 351 (54.4)			
Gross Lining area cm ² (in. ²)**(F/R)		F: 196 (31.3) / R: 351 (54.4)			
Swept area cm ² (in. ²)***(F/R)		F: 1192 (184.8) / R: 575 (89.1)			
Rotor	Outer working diameter	F/R	F: 254 / R: -		
	Inner working diameter	F/R	F: 163 / R: -		
	Thickness	F/R	F: 24 / R: -		
	Material & type (vented/solid)	F/R	F: Cast iron, Vented / R: -		
Drum	Diameter & width	F/R	F: - / R: 228.6		
	Type and material	F/R	F: - / R: Cast iron		
Wheel cylinder bore		F: 60.32 / R: 19.05			
Master cylinder	Bore/stroke	F/R	Bore : 23.81[25.40] / Stroke : Primary 13, Secondary 15		
Pedal arc ratio		4.0			
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]		10218 (1483) [10755 (1561)]			
Lining clearance		F/R	F: No major adjustment required / R: 0.42 ~ 0.48		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		-	
		Manufacturer		AMBRAKE Company Limited	
		Lining code*****		AK NS177H FF	
		Material		Molded	
		****	Primary or out-board	111.8 x 45.5 x 10	
		Size	Secondary or in-board	111.8 x 45.5 x 10	
	Shoe thickness (no lining)		6.0		
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		AKEBONO Brake Industry Company Limited	
		Lining code*****		AK L608 EE	
		Material		Molded	
		****	Primary or out-board	219 x 40 x 4.9	
		Size	Secondary or in-board	219 x 40 x 4.9	
Shoe thickness (no lining)		2.0			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc. [] : with ABS
 *** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.)
 (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
 **** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

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D42A

Brakes - Service

Description			-		
Manufacturer and brake type (std., opt., n.a.)	Front (disc or drum)		AMBRAKE Company Limited, Disc		
	Rear (disc or drum)		AKEBONO Industry Company Limited, Disc		
Valving type (proportion, delay, metering, other)			Proportion valve		
Power brake (std., opt., n.a.)			Std.		
Booster type (remote, integral, vac., hyd., etc.)			Integral		
Vacuum	Source (inline, pump, etc.)		Inline		
	Reservoir (volume in. ³)		-		
	Pump-type (elec, gear driven, belt driven)		-		
Traction assist	Operational speed range		-		
	Type (engine or brake intervention)		-		
Anti-lock device	Front / rear (std., opt., n.a.)		Opt.		
	Manufacturer		Robert Bosch Company Limited		
	Type (electronic, mech.)		Electronic		
	Number sensors or circuits		4		
	Number anti-lock hydraulic circuits		3		
	Integral or add-on system		Add-on		
	Yaw control (yes, no)		No		
Hydraulic power source (elec., vac. mtr., pwr. strg.)			Electronic		
Effective area cm ² (in. ²)*			F: 196 (31.3) / R: 120 (18.6)		
Gross Lining area cm ² (in. ²)**(F/R)			F: 196 (31.3) / R: 120 (18.6)		
Swept area cm ² (in. ²)***(F/R)			F: 1192 (184.8) / R: 1177 (182.5)		
Rotor	Outer working diameter	F/R	F: 254	/	R: 262
	Inner working diameter	F/R	F: 163	/	R: 188
	Thickness	F/R	F: 24	/	R: 10
	Material & type (vented/solid)	F/R	F: Cast iron, Vented	/	R: Cast iron, Solid
Drum	Diameter & width	F/R	F: -	/	R: -
	Type and material	F/R	F: -	/	R: -
Wheel cylinder bore			F: 60.32 / R: 34.92		
Master cylinder	Bore/stroke	F/R	Bore : 23.81[25.40] / Stroke: Primary 13, Secondary 15		
Pedal arc ratio			4.0		
Line pressure at 445 N(100 lb.) pedal load [kPa (psi)]			12250 (1778) [10755 (1561)]		
Lining clearance		F/R	F: No major adjustment required / R: No major adjustment required		
Brake lining	Front wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Rivet size		-	
		Manufacturer		AMBRAKE Company Limited	
		Lining code*****		AK NS177H FF	
		Material		Molded	
		****	Primary or out-board	111.8 x 45.5 x 10	
		Size	Secondary or in-board	111.8 x 45.5 x 10	
	Shoe thickness (no lining)		6.0		
	Rear wheel	Bonded or riveted (rivets/seg.)		Bonded	
		Manufacturer		AKEBONO Brake Industry Company Limited	
		Lining code*****		AK NS177H FF	
		Material		Molded	
		****	Primary or out-board	92.8 x 34.5 x 10	
		Size	Secondary or in-board	92.8 x 34.5 x 10	
Shoe thickness (no lining)		5.5			

* Excludes rivet holes, grooves, chamfers, etc. ** Includes rivet holes, grooves, chamfers, etc.
 *** Total swept area for four brakes. (Drum brake: Widest lining contact width for each brake x its contact circumference.) [] : with ABS
 (Disc brake: Square of Outer Working Dia. minus Square of inner Working Dia. multiplied by Pi/2 for each brake.)
 **** Size for drum brakes includes length x width x thickness. ***** Manufacturer I.D., catalog for formulation designation and coefficient of friction classification.

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D41A	D42A	
	HRHEL	HRXEL

Tires And Wheels (Standard)

Tires	Size (service description)		P195 / 70R14 90H	P205 / 55R16 89H	
	Type (bias, radial, steel, nylon, etc.)		Radial		
	Inflation pressure (cold) for recommended max. vehicle load	Front kPa (psi)	220 (32)		
		Rear kPa (psi)	200 (29)		
	Rev./mile-at 70 km/h (45 mph)		742	754	
Wheels	Type & material		Disc steel	Disc steel Disc aluminum	
	Rim (size & flange type)		14 x 5 1/2J	16 x 6 JJ	
	Wheel offset		46		
	Attachment	Type (bolt or stud & nut)	Stud		
		Circle diameter	114.3		
Number & size		5, M12 x 1.5			
Spare	Tire and wheel		T125 / 70D15 4T x 15 High pressure tire		
	Storage position & location (describe)		On trunk room floor		

Tires And Wheels (Optional)

Tire size (service description)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Tire size (service description)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	- Disc aluminum -
Rim (size, flange type and offset)	-
Tire size (service description)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Tire size (service description)	-
Type (bias, radial, steel, nylon, etc.)	-
Wheel (type & material)	-
Rim (size, flange type and offset)	-
Spare tire and wheel size (if configuration is different than road tire or wheel, describe optional spare tire and/or wheel location & storage position)	-

Brakes - Parking

Type of control		One handle, Hand-operated	
Location of control		Between front seats	
Operates on		Rear wheels	
If separate from service brakes	Type (internal or external)	-	Internal
	Drum diameter	-	φ168
	Lining size (length x width x thickness)	-	146 x 30 x 2.8