



TRIM LEVELS

2005 RX-8 / MECHANICAL FEATURES

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
ENGINE				
1.3-liter RENESIS 2-rotor, 4-intake-port, rotary engine	■	■	--	--
1.3-liter RENESIS 2-rotor, 6-intake-port, rotary engine	--	--	■	■
Dual engine-oil coolers	■	■	■	■
Variable dynamic effect intake system	■	■	■	■
EXHAUST				
Single exhaust system with dual outlets	■	■	■	■
DRIVETRAIN				
Rear-wheel drive	■	■	■	■
Power Plant Frame (PPF)	■	■	■	■
6-speed manual overdrive transmission with short-throw shifter	--	--	■	■
4-speed electronically controlled "Sport AT" automatic transmission with steering-wheel-mounted paddle shifters	■	■	--	--
Lightweight carbon-fiber driveshaft	--	--	■	■
Tochigi-Fuji torque-sensing limited-slip differential	P	■	■	■
STEERING				
Rack-and-pinion	■	■	■	■
Direct drive electronic power assist	■	■	■	■
FRONT SUSPENSION				
Independent double-wishbone design	■	■	■	■
Light-alloy upper and lower arms	■	■	■	■
Coil springs	■	■	■	■
12.5 mm gas-filled shock absorbers	■	--	■	--
14 mm gas-filled shock absorbers	--	■	--	■
Suspension-tower brace	■	■	■	■
Stabilizer bar	■	■	■	■
Sport-tuning	P	■	■	■
REAR SUSPENSION				
Independent multilink design	■	■	■	■
Low-mounted coil springs	■	■	■	■
12.5 mm gas-filled shock absorbers	■	--	■	--
14 mm gas-filled shock absorbers	--	■	--	■
BRAKES				
Power-assisted 4-wheel disc brakes	■	■	■	■
Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD)	■	■	■	■
Upgraded braking system with larger front brake discs	P	■	■	■
ADDITIONAL SYSTEMS				
Foam filled cross-members (increases rigidity)	--	■	--	■
Tire-pressure monitoring system	■	■	■	■
Dynamic Stability Control (DSC) with traction control	P	■	P	■

■ = Standard

P = Package Option

O = Option

A = Dealer-Installed Accessory



TRIM LEVELS

2005 RX-8 / EXTERIOR FEATURES

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
▶ BODY TYPE				
Sports coupe featuring Freestyle doors	■	■	■	■
▶ STYLING				
Aluminum hood	■	■	■	■
Twin bright-tipped exhaust outlets	■	■	■	■
Polished finish headlight and taillight bezels and hardware	--	■	--	■
Shinka badged B-pillar	--	■	--	■
Rear wing spoiler	P / A	■	P / A	■
Front air dam	P / A	P / A	P / A	P / A
Side aero flares	P / A	P / A	P / A	P / A
Rear aero flares	P / A	P / A	P / A	P / A
Polished front and rear rotary accents	P / A	P / A	P / A	P / A
Splash guards - front and rear	P / A	P / A	P / A	P / A
▶ WHEELS				
16 x 7 1/2 - Aluminum alloy wheels	■	--	--	--
18 x 8 Aluminum alloy wheels	P	--	■	--
18-inch bright finish alloy wheels with 225/45R18 high-performance tires	--	■	--	■
Alloy wheel locks	■	■	■	■
▶ TIRES				
225/55 R16 (front and rear)	■	--	--	--
225/45 R18 (front and rear)	P	■	■	■
Spare tire repair kit	■	■	■	■
Spare tire kit (mounting hardware, wheel, and tire)	P	P	P	P
▶ LIGHTING				
Halogen headlights with projector low beams	■	■	■	■
Xenon headlights (self leveling)	P	■	P	■
Fog lights	P	■	P	■
▶ WINDOWS / MIRRORS / SUNROOF				
Intermittent windshield wipers - timing adjustable	■	■	■	■
Tinted windshield with sunshade	■	■	■	■
Flip out rear quarter windows	■	■	■	■
Rear window / front door heat absorbent glass	■	■	■	■
Power moonroof	P	■	P	■
Heated mirrors	P	■	P	■

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TRIM LEVELS

2005 RX-8 / INTERIOR FEATURES

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
SEATING				
4-passenger seating with rear bucket seats	■	■	■	■
Cloth-trimmed upholstery	■	--	■	--
Leather-trimmed upholstery	P	■	P	■
Driver's seat-cushion tilt adjustment	■	■	■	■
8-way power driver's seat with power lumbar adjustment	P	■	P	■
Heated front bucket seats	P	■	P	■
Front and rear integrated headrests	■	■	■	■
TRIM				
Rear console with covered storage and dual cup holders	■	■	■	■
Overhead console with sunglasses holder and front map lights	■	■	■	■
3-spoke leather-wrapped steering wheel	■	■*	■	■*
Leather covered front and rear console lids	--	■*	--	■*
Leather wrapped parking brake handle		■*		■*
Leather-wrapped shift knob	■	■*	--	--
Aluminum and leather-wrapped shift knob	A	A	■	■*
Aluminum foot pedals and foot rest	A	■	■	■
Black scuff plates with aluminum accents	■	■	■	■
Piano-black center-dash panel trim	■	■	■	■
Piano-black window-switch panel	■	■	■	■
Piano-black center console side trim	--	■	--	■
Piano-black steering wheel inserts	--	--	--	■
Cloth side door trim	■	--	■	--
Faux leather side door trim (matching seat surface)	P	■	P	■
Carpeted floor mats – front	■	■	■	■
AUDIO SYSTEMS				
100-watt AM/FM/CD stereo with 6 speakers, including two tweeters	■	--	■	--
SIRIUS® Satellite Radio-compatible audio system	■	■	■	■
One-year Sirius® subscription†	O	■	O	■
300-watt Bose® 9-speaker audio system with AUDIO PILOT automatic noise compensation technology	P	■	P	■
In-dash 6-disc CD player	O / A	■	O / A	■
Cassette player	O / A	O / A	O / A	O / A
CLIMATE CONTROL				
CFC-free air conditioning	■	■	■	■
Rear heater ducts	■	■	■	■
Rear window defogger with auto shutoff	■	■	■	■
Front side-window demisters	■	■	■	■
INSTRUMENT PANEL				
Tachometer	■	■	■	■
Digital speedometer	■	■	■	■
Dual resettable trip odometers	■	■	■	■
Coolant temperature gauge	■	■	■	■

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* Leather with dark brown double stitching

† N/A in Alaska and Hawaii



TRIM LEVELS

2005 RX-8 / INTERIOR FEATURES (Continued)

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
INSTRUMENT PANEL (cont.)				
Water temp gauge	■	■	■	■
Oil pressure gauge	■	■	■	■
Warning lamps: parking brake, high-beam, check engine, oil pressure, battery charge, seatbelts, airbags, fuel	■	■	■	■
Digital clock	■	■	■	■
Ambient air thermometer	■	■	■	■
Coin box	■	■	■	■
12-volt power outlet	■	■	■	■
Cigarette / cigar lighter	■	■	■	■
Illuminated front ash tray	■	■	■	■
Black gauges with chrome bezels & white lettering	■	■	■	■
Tri-mode gauge lighting: blue (entry); white-on-black (day); red-on-black (night)	■	■	■	■
Polished finish: rotary bezel, meter ring, ventilation grille bezels, center panel ring, HVAC dial, shift base ring	--	■	--	■
COMFORT & CONVENIENCE				
Power windows with driver's side one-touch-down feature and power delay	■	■	■	■
Power remote mirrors	■	■	■	■
Double action power door locks	■	■	■	■
Cruise control	■	■	■	■
Tilt steering column	■	■	■	■
Steering wheel-mounted audio and cruise control switches	■	■	■	■
Passenger side assist grip	■	■	■	■
Rear storage console with lid	■	■	■	■
Dual front and rear cup holders	■	■	■	■
Remote keyless illuminated entry system with retractable key	■	■	■	■
Remote trunk-lid release	■	■	■	■
Remote fuel-door release	■	■	■	■
Overhead console with sunglasses holder	■	■	■	■
Storage pocket on front passenger's seatback	■	■	■	■
Retractable key	■	■	■	■
Navigation System - DVD-based with retractable 7-inch LCD screen†	O	--	O	--
Automatic day/night rearview mirror with Homelink®	P	■	P	■
Cargo net	O	O	O	O
LIGHTING				
Map lights	■	■	■	■
Front illuminated power window and door lock switches	■	■	■	■
Illuminated locking glove compartment	■	■	■	■
Illuminated key ignition	■	■	■	■
Front door courtesy lamps	■	■	■	■
Dual illuminated visor vanity mirrors	■	■	■	■
Trunk light	■	■	■	■

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TRIM LEVELS

2005 RX-8 / SAFETY FEATURES

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
SAFETY				
Dual 2nd-generation front air bag supplemental restraint system (SRS)	■	■	■	■
Front seat-mounted side-impact airbags	■	■	■	■
Side air curtains with coverage for front and rear seats	■	■	■	■
Front safety-belt pretensioners with force limiters	■	■	■	■
Front and rear side-impact door beams	■	■	■	■
Rear-seat LATCH child-seat anchors, including upper tether anchors	■	■	■	■
Tire pressure monitoring system	■	■	■	■
Front and rear 2.5-mph bumpers	■	■	■	■
SECURITY				
Engine immobilizer security system	■	■	■	■
Anti-theft alarm system	■	■	■	■
Internal trunk release system	■	■	■	■
Keyless remote with panic feature	■	■	■	■

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TRIM LEVELS

2005 RX-8 / OPTIONS

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
SPORT PACKAGE:				
<ul style="list-style-type: none"> ■ Self-leveling Xenon headlights ■ Fog lights ■ Dynamic Stability Control with traction control ■ Limited-slip differential* ■ 18-inch wheels and tires* ■ Larger front brakes* ■ Sport-tuned suspension* * standard on 6-speed 	O	--	O	--
TOURING PACKAGE:				
<ul style="list-style-type: none"> ■ Sport Package ■ 300-watt Bose® 9-speaker audio system with AUDIO PILOT automatic noise compensation technology ■ Power sliding-glass moonroof ■ Auto-dimming mirror with Homelink® system 	O	--	O	--
GRAND TOURING PACKAGE:				
<ul style="list-style-type: none"> ■ Touring Package ■ Leather-trimmed upholstery ■ 8-way power driver's seat with power lumbar support ■ Heated front seats ■ Heated mirrors 	O	■	O	■
APPEARANCE PACKAGE (N/A with front and rear splash guards):				
<ul style="list-style-type: none"> ■ Front air dam ■ Side and rear aero flares 	O / A	O / A	O / A	O / A
ROTARY ACCENT PACKAGE:				
<ul style="list-style-type: none"> ■ Polished front and rear rotary accents 	O / A	O / A	O / A	O / A

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TRIM LEVELS

2005 RX-8 / OPTIONS & ACCESSORIES

Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
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STAND-ALONE OPTIONS & ACCESSORIES

Navigation System - DVD-based with retractable 7-inch LCD screen*	O	--	O	--
Spare tire kit - trunk-mounted; includes wheel, tire and mounting hardware	O	O	O	O
Moonroof wind deflector	O / A	O / A	O / A	O / A
All-weather floor mats	O / A	O / A	O / A	O / A
Alarm shock sensor upgrade	O / A	O / A	O / A	O / A
Cargo tray	O / A	O / A	O / A	O / A
Cargo net	O / A	O / A	O / A	O / A
Collapsible cargo carrier	O / A	O / A	O / A	O / A
Cargo organizer	O / A	O / A	O / A	O / A
Door edge guards	O / A	O / A	O / A	O / A
Front and rear splash guards (N/A with Appearance Package)	O / A	O / A	O / A	O / A
In-dash 6-disc CD player	O / A	■	O / A	■
Cassette player	O / A	O / A	O / A	O / A
Minidisc player	A	A	A	A
CD/MP3 player	A	A	A	A
Rear wing spoiler	O / A	■	O / A	■
Polished front rotary accent	P / A	P / A	P / A	P / A
Polished rear rotary accent	P / A	P / A	P / A	P / A
Fog lights (blue-tint, clear, or multi-tint)	P / A	P / A	P / A	P / A
Rear aero flares (N/A with rear splash guards)	P / A	P / A	P / A	P / A
Polished aluminum fender strakes	A	A	A	A
Grille trim ring (N/A with front air dam on automatic model)	A	A	A	A
Front full mask	A	A	A	A
Rear door trim protectors	A	A	A	A
Front air dam (n/a with grille trim ring on Sport AT models)	P / A	P / A	P / A	P / A
Rotor-shaped valve stem caps	A	A	A	A
Black wheel centers with rotary emblem	A	A	A	A
Polished wheel centers with Mazda emblem	A	A	A	A
Windshield sunscreen	A	A	A	A
Aldehyde filter	A	A	A	A
Carpeted floor mats	A	A	A	A
Driver and passenger night lights	A	A	A	A
Leather-wrapped parking brake lever	A	■	A	■
Leather-wrapped gear shift knob with rotary emblem	A	A	--	--
Aluminum foot pedals and foot rest	A	■	■	■
Aluminum door sill trim plates	A	A	A	A
Aluminum air vent bezels	A	--	A	--
Exhaust finishers	A	A	A	A
Premium carpeted floor mats	A	A	A	A
Aluminum tone power window switches	A	A	A	A

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* N/A in Alaska and Hawaii



TRIM LEVELS

2005 RX-8 / OPTIONS & ACCESSORIES (Continued)

	Sport AT	Shinka Sport AT	6-Speed	Shinka 6-Speed
STAND-ALONE OPTIONS & ACCESSORIES (Cont.)				
Car cover	A	A	A	A
Car cover cable lock	A	A	A	A
PhatNoise [®] car audio system	A	A	A	A
SIRIUS [®] Satellite radio receiver kit*	A	■	A	■
First aid kit	A	A	A	A
Roadside assistance kit	A	A	A	A
Front seat covers	A	A	A	A
Fuel filler door (chrome or pearl satin)	A	A	A	A
B-pillar applique	A	■	A	■
Stainless steel license plate frame (polished or black pearl)	A	A	A	A
18" dark chrome appearance aluminum wheel	A	--	A	--

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* N/A in Alaska and Hawaii



2005 RX-8 / COLORS

INTERIOR

RX-8 Sport AT & 6-Speed				Shinka
BLACK CLOTH (FF6)	BLACK LEATHER (FF3)	BLACK/RED LEATHER (FF4)	BLACK/CHAPARRAL LEATHER (FF5)	PARCHMENT LEATHER

EXTERIOR

Code	Color					
22V	Sunlight Silver Metallic	■	■	■		
25D	Whitewater Pearl	■	■	■		
27A	Velocity Red Mica	■	■	■	■	
27B	Winning Blue Metallic	■	■			
27C	Nordic Green Mica	■	■		■	
29Y	Titanium Gray Metallic	■	■	■	■	
A4F	Brilliant Black Clearcoat	■	■	■	■	
28W	Black Cherry Mica					■

■ = Applies



2005 RX-8 / SPECIFICATIONS

TRIM LEVELS

		Sport AT	SHARED	6-Speed
ENGINE & ELECTRICAL				
Engine type		<i>2-rotor rotary</i>		
Horsepower, SAE net		197 @ 7200 rpm		238 @ 8500 rpm
Torque, SAE net		164 @ 5000 rpm		159 @ 5500 rpm
Redline		7500		9000
Displacement (ml / cc)		1.3 L		
Compression ratio		10.0 : 1		
Fuel system		<i>Electro magnetic</i>		
Recommended fuel		<i>Unleaded 95 RON (Premium Unleaded)</i>		
Emission control		<i>LEV2-A CA / Bin5-A Federal</i>		
Ignition system		<i>Pointless electronic</i>		
Ignition system starter (standard type; no cold area)		12V : 1.8KW		
Fuel injection system		MPI		
Alternator		12V - 100A		
Regulator		<i>Integrated into PCM</i>		
Battery (regular / cold area)		50D 20 L / 75D 26L		
DRIVETRAIN				
Type		RWD		
Transmission		4EAT		6MT
Clutch type		-		Single dry plate (236 x 160)
Ratios (:1)	1st	2.785		3.760
	2nd	1.545		2.269
	3rd	1.000		1.645
	4th	0.694		1.187
	5th	--		1.000
	6th	--		0.843
Reverse		2.272		3.564
Final Drive		4.444		



2005 RX-8 / SPECIFICATIONS (Continued)

		TRIM LEVELS		
		Sport AT	SHARED	6-Speed
CHASSIS				
Body type	<i>Unibody with front and rear suspension subframes</i>			
Front suspension	<i>Double-wishbone type with light-alloy upper and lower arms suspension-tower brace, coil springs and stabilizer bar</i>			
Rear suspension	<i>Multilink rear type with low-mounted coil springs and stabilizer bar</i>			
Steering type	<i>Rack & pinion</i>			
Power steering assist type	<i>Direct drive electronic power steering</i>			
Power steering gear ratio	16.43			
Steering wheel turns: lock-to-lock	2.99			
Turning circle: curb-to-curb (ft)	34.8			
Wall-to-wall turning circle (ft)	36.8			
Braking system	<i>4-way ventilated disc with ABS and Electronic Brakeforce Distribution systems</i>			
Front discs (in)	Standard	11.93		12.72
	Optional/Shinka	12.72		--
Rear discs (in)	11.93			
Parking brake	<i>Mechanical lever type</i>			
Wheels	Standard	16" x 7.5JJ		18" x 8JJ
	Optional/Shinka	18" x 8JJ		
Tires	Standard	225/55 R16		225/45 R18
	Optional/Shinka	225/45 R18		--
Tire brand	<i>Bridgestone</i>			
Spare tire F/R	<i>Repair kit only - no spare tire / accessory spare tire available</i>			
Curb weight lb. (minimum w/ popular options)	3,053			3,029
GVW lb.	3,854			3,810
CAPACITIES				
Fuel capacity (gallons)	15.9			
Coolant (quarts)	8.7			
Crankcase (quarts)	6.0			6.7
EPA cargo volume (cu. ft.)	7.575			
FUEL ECONOMY (estimated)				
EPA Mileage, City/Highway	18 / 25		-	18 / 24



2005 RX-8 / SPECIFICATIONS (Continued)

		TRIM LEVELS	
		Sport AT	6-Speed
EXTERIOR DIMENSIONS (in inches unless specified)			
Wheelbase (in)			106.4
Track (in)	Front		58.9
	Rear		59.3
Length (w/o license plate holder) (in)			174.3
Width(in)			69.7
Height (in)			52.8
Overhang	Front		31.8
	Rear		36.2
Ground clearance between axles (laden)			4.7
Weight distribution % front/rear			50 / 50
Coefficient of Drag (Cd)			0.31
Angle of approach (degrees)			12.6
Angle of departure (degrees)			13.0
INTERIOR DIMENSIONS (inches)			
Head Room	Front without sunroof		38.2
	Front with sunroof		36.7
	Rear without sunroof		36.8
	Rear with sunroof		36.5
Leg Room	Front		42.7
	Rear		32.2
Shoulder Room (in)	Front		54.9
	Rear		54.9
Hip Room (in)	Front		53.4
	Rear		48.1
Hip Point (height from floor)	Front		7.9
	Rear		10.8