



2008 MAZDA RX-8 SPECIFICATION DECK

ISSUE DATE: June 25, 2007

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PRODUCTION TIMING:

Job #1: June, 2007
40th Anniversary Job #1: November, 2007

LINEUP:

- Sport
- Touring
- Grand Touring
- 40th Anniversary Edition

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2008 MAZDA RX-8 PRODUCT CHANGES

OVERVIEW

Simplified ordering structure consistent with cross carline deployment
In-dash 6CD changer standard on Touring and Grand Touring models

MODEL / SERIES / AVAILABILITY

- No change

EXTERIOR CHANGES

- No change

INTERIOR CHANGES

- No change

PACKAGE / OPTION CHANGES

- Navigation System is only available on the Grand Touring model (deleted availability on Sport and Touring models)

FUNCTIONAL CHANGES

- New EPA MPG calculation method results in City/Hwy
6AT - 16/23 (ilo 18/25)
6MT - 16/22 (ilo 18/24)

COLOR & TRIM

- **Exterior Color Deleted:**
 - Phantom Blue Mica (32C)
- **Interior / Exterior Combinations Deleted:**
 - Black/Red Leather (FF4) w/Sunlight Silver Metallic (22V)
 - Black/Red Leather (FF4) w/Crystal White Pearl (34K)
 - Black/Red Leather (FF4) w/Galaxy Gray Mica (32S)

SAFETY

- No change

40TH ANNIVERSARY EDITION

- | | |
|---|--|
| <ul style="list-style-type: none"> • 40th Anniversary Rotary Engine emblem • Blue tinted fog lights • Silver colored engine cover • Unique 18" alloy wheels w/bright finish • Unique floor mats • Unique interior colored seats & door trim | <ul style="list-style-type: none"> • Sport tuned suspension w/Bilstein dampers • Urethane foam filled suspension cross member • Exclusive exterior/interior color <ul style="list-style-type: none"> - Metropolitan Gray Mica (36C) w/Cosmo Red Leather (FG2) |
|---|--|

Product Changes and Features Availability

Features, options and package content subject to change.

2008 MAZDA RX-8 PRODUCT SUMMARY

The 2008 RX-8 program is carry-over from 2007 MY.

The following equipment is standard as indicated. Each series includes the standard equipment of the previous series, except where additions / exceptions are noted:

RX-8 Sport	RX-8 Touring	RX-8 Grand Touring	RX-8 40th Anniversary Edition
<p style="text-align: center;">Standard Equipment</p> <p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● 1.3L Rotary engine with 212 hp (AT) or 232 hp (MT) ● 6-speed sport automatic transmission w/paddle shifters and Adaptive Shift Logic (AT) ● 6-Speed manual overdrive transmission with short throw shifter (MT) ● Direct drive electronically assisted steering ● Front and rear stabilizer bars ● Independent front double-wishbone suspension / rear multi-link suspension ● Power assist 4-wheel ventilated disc brakes ● Shock tower brace <p>Exterior</p> <ul style="list-style-type: none"> ● 16-inch aluminum alloy wheels with locks (AT) ● 225/55R16 tires (AT) ● 18-inch aluminum alloy wheels with locks (MT) ● 225/45R18 high performance tires (MT) ● Dual chrome tailpipe garnish ● Dual power mirrors ● Free style doors ● Rear window defogger ● Rear window integrated radio antenna ● Variable intermittent windshield wipers <p>Interior</p> <ul style="list-style-type: none"> ● Air conditioning ● AM/FM/CD stereo with 6-speakers ● Center console with power outlet ● Instrument panel display with clock, audio, HVAC, outside temp ● Cloth trimmed upholstery and door panels ● Cruise control ● Cup holders - 4 ● Floor mats ● Gauges - black w/chrome bezels & white lettering, blue LED with red nighttime gauge illumination ● Internal releases - fuel door, trunk, hood ● Rear bucket seats with rear seat trunk pass through ● Reclining front bucket seats ● Scuff plates - black w/aluminum accents ● Steering wheel mounted controls - audio, cruise ● Steering wheel - tilt, leather wrapped ● Shift knob - leather wrapped ● Overhead console with sunglasses holder ● Power door locks - driver / passenger w/illuminated switches ● Power windows - driver / passenger w/illuminated switches ● Vanity mirrors - driver & passenger, illuminated <p>Safety</p> <ul style="list-style-type: none"> ● Air bags: front/side/curtain for driver & front passenger ● Alarm with immobilizer ● Front seatbelts - 3-point with pretensioners & force limiters ● Tire pressure monitoring system ● Anti-lock brake system w/EBD 	<p style="text-align: center;">In addition to Sport</p> <p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● Sport tuned suspension (AT) ● Tochigi Fuji torque sensing Limited Slip Differential (AT) <p>Exterior</p> <ul style="list-style-type: none"> ● HID headlights ● Fog lights ● 18-inch aluminum alloy wheels with locks (AT) ● 225/45R18 high performance tires (AT) <p>Interior</p> <ul style="list-style-type: none"> ● 300 watt Bose 9-speaker sound system with AudioPilot® noise compensation technology ● In-dash 6 disc CD changer ● Power sliding glass moonroof with one-touch open and sunshade ● Auto dimming rear view mirror with Homelink <p>Safety</p> <ul style="list-style-type: none"> ● Dynamic Stability Control w/Traction Control 	<p style="text-align: center;">In addition to Touring</p> <p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● Mazda Advanced Keyless Entry and Start System <p>Exterior</p> <ul style="list-style-type: none"> ● Heated exterior mirrors <p>Interior</p> <ul style="list-style-type: none"> ● Leather trimmed seating surfaces ● Color keyed synthetic leather trimmed door panels ● 8-way power driver's seat with power lumbar support ● Heated driver/passenger seats <p>Safety</p>	<p style="text-align: center;">In addition to Grand Touring</p> <p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● Sport tuned suspension w/Bilstein dampers ● Urethane foam filled suspension cross member <p>Exterior</p> <ul style="list-style-type: none"> ● 40th Anniversary Rotary Engine emblem ● Blue tinted fog lights ● Unique 18-inch aluminum alloy wheels w/bright finish ● Silver colored engine cover ● Exclusive exterior color <p>Interior</p> <ul style="list-style-type: none"> ● Exclusive interior color <p>Safety</p>

Features, options and package content subject to change.

2008 MAZDA RX-8 EQUIPMENT AND FEATURES

	SPORT	TOURING	GRAND TOURING	40TH ANNIVERSARY
	RX8 SP	RX8 TR	RX8 GT	RX8 SV
POWERTRAIN				
Exhaust, single with dual outlets	Std	Std	Std	Std
Light weight carbon fiber driveshaft	MT	MT	MT	MT
Rear wheel drive	Std	Std	Std	Std
Transmission, 6-speed automatic with paddle shifters and Adaptive Shift Logic	Available	Available	Available	Available
Transmission, 6-speed manual overdrive (short throw shifter)	MT	MT	MT	MT
Variable dynamic effect intake system	MT	MT	MT	MT
SUSPENSION				
Brakes, power-assisted 4-wheel ventilated disc brakes	Std	Std	Std	Std
Brakes, 12.7" front	Pkg on AT, Std on MT	Std	Std	Std
Brakes, anti-lock with electronic brakeforce distribution (ABS)	Std	Std	Std	Std
Dampers, Bilstein	NA	NA	NA	Std
Dampers, monotube gas filled front and rear	Std	Std	Std	Std
Dynamic Stability Control (DSC) with traction control	Pkg	Std	Std	Std
Front - independent double wishbone	Std	Std	Std	Std
Rear - independent multi-link suspension	Std	Std	Std	Std
Sport tuned suspension	Pkg on AT, Std on MT	Std	Std	Std
Stabilizer bar, front and rear	Std	Std	Std	Std
Steering, direct drive electronically assisted	Std	Std	Std	Std
Tochigi Fuji torque sensing limited-slip differential	Pkg on AT, Std on MT	Std	Std	Std
Urethane foam filled suspension cross member	NA	NA	NA	Std
Wheel locks	Std	Std	Std	Std
Wheels / Tires, 16" aluminum alloy with 225/50 R16 tires	AT	NA	NA	NA
Wheels / Tires, 18" aluminum alloy with 225/45 R18 tires	Pkg on AT, Std on MT	Std	Std	Std
EXTERIOR FEATURES				
Engine cover, Silver	NA	NA	NA	Std
Emblem, 40th Anniversary	NA	NA	NA	Std
Fog lights, front	Pkg	Std	Std	Std
Headlights, auto leveling gas-discharge (xenon)	Pkg	Std	Std	Std
Headlights, halogen	Std	NA	NA	NA
Mazda advanced keyless entry and start system	NA	NA	Std	Std
Mirrors, dual power remote / body colored	Std	Std	NA	NA
Mirrors, heated dual power remote / body colored	NA	NA	Std	Std
Moonroof, power sliding glass with one-touch open and sunshade	NA	Std	Std	Std
Remote keyless illuminated entry	Std	Std	Std	Std
Windshield, heat absorbent glass / tinted with sunshade	Std	Std	Std	Std
Wipers, variable intermittent	Std	Std	Std	Std
INTERIOR FEATURES				
Air bags, driver and passenger front, side, head curtain	Std	Std	Std	Std
Air Conditioning, CFC-Free	Std	Std	Std	Std
Alarm system with engine immobilizer	Std	Std	Std	Std
Cigarette lighter with ash tray	Std	Std	Std	Std
Cruise control with steering wheel mounted controls	Std	Std	Std	Std
Cup holders, 2 front / 2 rear	Std	Std	Std	Std
Defogger, rear window with auto shutoff	Std	Std	Std	Std
Demisters, front side windows	Std	Std	Std	Std
Door locks, power with front passenger switch illumination	Std	Std	Std	Std
DVD Navigation system with retractable 7" LCD screen	NA	NA	Opt.	Opt.
Floor Mats, carpeted front/rear	MT	Std	Std	Std
Foot pedals, aluminum including foot rest	Std on MT, NA on AT	Std on MT, NA on AT	Std on MT, NA on AT	Std on MT, NA on AT
Glove box, illuminated & locking	Std	Std	Std	Std
Heater/Defroster, with rear duct	Std	Std	Std	Std
Ignition key illumination	Std	Std	Std	Std
Lighting, door / overhead dimming, dual map lights	Std	Std	Std	Std
Mirror, rear view autodim with HomeLink®	NA	Std	Std	Std
Mirror, rear view day/night	Std	NA	NA	NA
Mirror, vanity / driver & passenger / illuminated	Std	Std	Std	Std
Parking brake, urethane handle with bright button	Std	Std	Std	Std
Power outlet	Std	Std	Std	Std
Power windows, illuminated switches with driver's one-touch-down feature	Std	Std	Std	Std
Rear storage console with lid	Std	Std	Std	Std
Remote releases, trunk lid / fuel door / hood	Std	Std	Std	Std
Scuff plates, black with aluminum accents	Std	Std	Std	Std
Seat upholstery, cloth with cloth door trim	Std	Std	NA	NA
Seat upholstery, leather with synthetic leather door trim	NA	NA	Std	Std
Seats, bucket type with integrated head restraints	Std	Std	Std	Std
Seats, heated (front)	NA	NA	Std	Std
Seats, power driver's seat (8 way)	NA	NA	Std	Std
Shift knob, aluminum and leather wrapped	Std on MT, NA on AT	Std on MT, NA on AT	Std on MT, NA on AT	Std on MT, NA on AT
Shift knob, leather wrapped w/silver accent	Std on AT, NA on MT	Std on AT, NA on MT	Std on AT, NA on MT	Std on AT, NA on MT
Steering Wheel, leather wrapped with tilt	Std	Std	Std	Std
Storage console, overhead with sunglasses holder	Std	Std	Std	Std
Tire pressure monitoring system	Std	Std	Std	Std
Trip odometer, two resettable	Std	Std	Std	Std
Warning lamps: air bags, battery, brake, engine, fuel, high-beam, oil, seat belt, tire pressure	Std	Std	Std	Std
AUDIO FEATURES				
AM/FM stereo w/single CD player and six speakers	Std	NA	NA	NA
Antenna, mounted in rear glass	Std	Std	Std	Std
Bose® 9-speaker 300 watt sound system	NA	Std	Std	Std
In-dash 6-CD changer	PIO	Std	Std	Std
SIRIUS Satellite Radio System	PIO	PIO	PIO	PIO

**2008 MAZDA RX-8
PACKAGES AND OPTIONS**

	RX8 Sport RX8 SP	RX8 Touring RX8 TR	RX8 Grand Touring RX8 GT	RX8 40th Anniversary RX8 SV
Performance Package MT Xenon headlights DSC with traction control Fog lights	Opt. (2PP)	Std	Std	Std
Performance Package AT Xenon headlights DSC with traction control Fog lights Tochigi Fuji Limited Slip Differential* 18" alloy wheels and 225/45R18 tires* Larger front brakes* Sport tuned suspension*	Opt. (1PP)	Std	Std	Std
Navigation System	NA	NA	NV1	NA

**2008 MAZDA RX-8
ACCESSORIES**

		Sport RX8 SP	Touring RX8 TR	Grand Touring RX8 GT	40th Anniversary RX8 SV
AUDIO / VISUAL ELECTRONICS					
SSA	Shock Sensor Alarm	PIO	PIO	N/A	N/A
CAS	Cassette Player	DIO	DIO	DIO	DIO
CDC	In-Dash 6-Disc CD/MP3 Changer	PIO	N/A	N/A	N/A
SAT	SIRIUS Satellite Radio w/6 Month	PIO (N/A Alaska/Hawaii)	PIO (N/A Alaska/Hawaii)	PIO (N/A Alaska/Hawaii)	PIO (N/A Alaska/Hawaii)
EXTERIOR					
2AP	Appearance Package				
	Front air dam	PIO (N/A with MGB)	PIO (N/A with MGB)	PIO (N/A with MGB)	PIO (N/A with MGB)
	Side aero flares				
	Rear aero flares				
DEG	Door Edge Guards	PIO	PIO	PIO	N/A
FST	Fender Strakes	PIO	PIO	PIO	PIO
MND	Moonroof Wind Deflector	NA	PIO	PIO	PIO
RSW	Rear Wing Spoiler	PIO	PIO	PIO	PIO
2RP	Rotary Accent Package				
	Polished front rotary accent	PIO	PIO	PIO	PIO
	Polished rear rotary accent				
MGB	Splash Guards, Front/Rear	PIO (N/A with 2AP)	PIO (N/A with 2AP)	PIO (N/A with 2AP)	PIO (N/A with 2AP)
INTERIOR					
FLA	All Weather Floor Mats	PIO	PIO	PIO	PIO
CGN	Cargo Net	PIO	PIO	PIO	PIO
CGO	Cargo Organizer	PIO	PIO	PIO	PIO
CGT	Cargo Tray	PIO	PIO	PIO	PIO
CGC	Collapsible Cargo Carrier	PIO	PIO	PIO	PIO
STR	Spare Tire Kit	PIO	PIO	PIO	PIO

**2008 MAZDA RX-8
COLOR AND TRIM**

INTERIOR TRIM TYPE		INTERIOR TRIM COLORS			40TH ANNIVERSARY
		Black	Black / Red	Sand	Cosmo Red
Sport/Touring	Cloth	FF6	--	--	--
GT	Leather	FF3	FF4	FG0	--
40th Anniv.	Leather	--	--	--	FG2
CODE	EXTERIOR COLOR	AVAILABILITY			
22V	Sunlight Silver Metallic	●			
27A	Velocity Red Mica	●	●	●	
32S	Galaxy Gray Mica	●		●	
A3F	Brilliant Black Clearcoat	●	●	●	
35J	Stormy Blue Mica	●		●	
34K	Crystal White Pearl	●		●	
36C	Metropolitan Gray Mica				●

2008 MAZDA RX-8 SPECIFICATIONS

	6-SPEED SPORT AUTOMATIC	6-SPEED MANUAL
ENGINE		
Engine Type	1.3 liter RENESIS 2-rotor rotary	1.3 liter RENESIS 2-rotor rotary
Horsepower, SAE net	212 @ 7,500	232 @ 8,500
Torque, SAE net (lb./ft.)	159 @ 5,500	159 @ 5,500
Redline	7,500	9,000
Displacement (L)	0.654L x 2	0.654L x 2
Bore x Stroke (inches)	N/A	N/A
Compression Ratio	10.0 : 1	10.0 : 1
Cylinder Heads	N/A	N/A
FUEL SYSTEM		
Fuel Injection	Multi-port electronic fuel injection	
Required Fuel	Premium Unleaded	
Minimum Fuel Requirement (rating)	91 octane	
Emission Control	LEV-2 LEV CAL / Tier2 Bin5 Federal	
IGNITION SYSTEM		
System	Pointless electronic	
Alternator	12V - 100A	
Battery	75D/23L	
Starter	12V-2.0kw	12V-2.0kw
DRIVETRAIN		
Type	Rear-Wheel Drive (RWD)	
Transmissions	6-speed electronic automatic	6-speed manual
Clutch Type for Manual Transmission	N/A	Single dry plate with diaphragm spring
Clutch Size	N/A	236x160
Gear Ratios (:1)		
1st	3.538	3.760
2nd	2.060	2.269
3rd	1.404	1.645
4th	1.000	1.187
5th	0.713	1.000
6th	0.582	0.843
Reverse	3.168	3.564
Final Drive	4.300	4.444
CHASSIS		
Body Type	Unibody with front and rear suspension subframe	
Front Suspension	Double wishbone	
Rear Suspension	Multi-link	
Steering Type	Rack-and-pinion	
Power Assist	Direct-drive electronic power steering	
Overall Steering Ratio	16.43:1	
Steering Wheel Turns-to-Lock	2.99	
Turning Circle, Curb-to-Curb (feet)	34.8	
Turning Circle, Wall-to-wall (feet)	36.8	
Braking System	Power assist; 4-wheel Anti-Lock Brake System with Electronic Brakeforce	
Front Brakes	Ventilated discs (11.9 inches) (12.7 inches avail)	Ventilated discs (12.7 inches)
Rear Brakes	Ventilated discs (11.9 inches)	
Parking Brake	Mechanical (lever-type)	
TIRES & WHEELS		
Tires	225/55R16	225/45R18
Wheels	16x7.5J	18x8JJ
Tire Brand	Bridgestone	
Temporary Spare Tire	N/A	
Temporary Spare Wheel	N/A	
INTERIOR DIMENSIONS		
Seating Capacity	4	
Headroom without Moonroof, front/rear (inches)	38.2 / 36.8	
Headroom with Moonroof, front/rear (inches)	36.7 / 36.5	
Shoulder Room, front/rear (inches)	54.8 / 54.9	
Leg Room, front/rear (inches)	42.7 / 32.2	
Hip Room, front/rear (inches)	53.3 / 48.1	
EXTERIOR DIMENSIONS		
Wheelbase (inches)	106.4	
Track, front (inches)	58.9	
Track, rear (inches)	59.3	
Length (inches)	174.3	
Width (inches)	69.7	
Height (inches)	52.8	
Minimum Ground Clearance, laden (inches)	4.7	
Coefficient of Drag (cd)	0.31	
WEIGHTS		
Weight Distribution, % front: rear	50 / 50	
Curb Weight, Federal Spec (lbs.)	3084	3053
GVWR (lbs.)	3854	3810
CAPACITIES		
Oil (U.S. quarts)	6.7	6.7
Engine Coolant (U.S. quarts)	8.7	
Fuel Tank (gallons)	15.9	
Passenger Volume, EPA (cubic feet)	89	
Cargo Volume, SAE (cubic feet)	7.6	
EPA Vehicle Size Category	Subcompact	
FUEL ECONOMY		
EPA Mileage, City/Highway (mpg)	16/23	16/22