



2011 MAZDA RX-8 SPECIFICATION DECK

ISSUE DATE: June 25, 2010

REVISION DATE: June 25, 2010

PRODUCTION TIMING:

Job #1: September, 2010

LINEUP:

- Sport
- Grand Touring
- RX-8 R3

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2011 MAZDA RX-8

PRODUCT CHANGES

OVERVIEW

For 2011MY, The number of available exterior colors has been reduced to three.

EXTERIOR CHANGES

- No change

FUNCTIONAL CHANGES

- No change

EXTERIOR CHANGES

- No change

PACKAGE / OPTION CHANGES

- No change

INTERIOR CHANGES

- No change

COLOR & TRIM

- **Exterior Colors Deleted:**
 - Aurora Blue Mica (34J)

SAFETY

- No change

Package and Features Availability

Package content subject to change.

2011 MAZDA RX-8 PRODUCT SUMMARY

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 Grand Touring	RX-8 R3
Standard Equipment	In addition to Sport	In addition to Sport
<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 ● Low exhaust pressure main muffler (MT) ● Power assist 4-wheel ventilated disc brakes ● Shock tower brace ● Sport tuned suspension ● Torque sensing Limited Slip Differential (MT) <p>Exterior</p> <ul style="list-style-type: none"> ● 18-inch aluminum alloy wheels with locks ● 225/45R18 high performance tires ● Dual chrome tailpipe garnish ● Dual power mirrors ● Free style doors ● Rear LED taillights ● Rear lip spoiler (MT models only) ● 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 ● Auxiliary-audio input jack ● 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 ● Passenger seat one-touch walk-in function ● 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 ● Power windows - one-touch open/close with remote down functionality ● 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 ● Anti-lock brake system w/EBD ● Burglar Alarm ● Front seatbelts - 3-point with pretensioners & force ● Tire pressure monitoring system 	<p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● Torque sensing Limited Slip Differential (AT) <p>Exterior</p> <ul style="list-style-type: none"> ● Fog lights ● Xenon headlights ● Auto on/off headlights ● Heated mirrors ● Rain sensing wipers ● Moonroof, power sliding glass with one-touch open and sunshade <p>Interior</p> <ul style="list-style-type: none"> ● Auto dimming rear view mirror with Homelink ● In-dash 6 disc CD changer ● 300 watt Bose 9-speaker sound system with Centerpoint surround sound and AudioPilot® noise compensation technology ● 8-way power driver's seat with power lumbar support ● Auto A/C ● Bluetooth hands free phone system ● Color keyed synthetic leather trimmed door panels ● Driver's seat memory (3 positions) ● Driver's seat one-touch walk-in function ● Heated driver/passenger seats ● Leather trimmed seating surfaces ● Leather wrapped parking brake ● Mazda Advanced Keyless Entry and Start System ● SIRIUS Satellite Radio System (includes 6 month free subscription) <p>Safety</p> <ul style="list-style-type: none"> ● Dynamic Stability Control w/Traction Control 	<p>Functional / Powertrain</p> <ul style="list-style-type: none"> ● Torque sensing Limited Slip Differential ● Sport tuned suspension with Bilstein shock absorbers ● Urethane foam injected front suspension cross member <p>Exterior</p> <ul style="list-style-type: none"> ● Fog lights ● Xenon headlights ● 19-inch forged aluminum alloy wheels ● 225/40R19 high performance tires ● Rear wing spoiler ● Side sills ● Sporty front bumper <p>Interior</p> <ul style="list-style-type: none"> ● Auto dimming rear view mirror with Homelink ● In-dash 6 disc CD changer ● 300 watt Bose 9-speaker sound system with Centerpoint surround sound and AudioPilot® noise compensation technology ● Bluetooth hands free phone system ● Front Recaro sport seats with leather side bolsters ● Leather wrapped parking brake ● Mazda Advanced Keyless Entry and Start System <p>Safety</p> <ul style="list-style-type: none"> ● Dynamic Stability Control w/Traction Control
Features, options and package content subject to change.		

2011 MAZDA RX-8
PACKAGES AND OPTIONS

	Sport RX8 SP	Grand Touring RX8 GT	RX-8 R3 RX8 HP
Navigation System 7-inch LCD touch screen	-	Opt.	-

**2011 MAZDA RX-8
PIO ACCESSORIES**

		Sport RX8 SP	Grand Touring RX8 GT	RX-8 R3 RX8 HP
AUDIO / VISUAL ELECTRONICS				
CDC	In-Dash 6-Disc CD/MP3 Changer	PIO	N/A	N/A
SAT	SIRIUS Satellite Radio w/6 Month	PIO (N/A in Alaska/Hawaii)	N/A	PIO (N/A in Alaska/Hawaii)
EXTERIOR				
DEG	Door Edge Guards	PIO	PIO	PIO
MND	Moonroof Wind Deflector	NA	PIO	N/A
RSW	Rear Wing Spoiler	PIO (N/A on MT models)	PIO (N/A on MT models)	N/A
MGB	Splash Guards, Front/Rear	PIO	PIO	N/A
INTERIOR				
FLA	All Weather Floor Mats	PIO	PIO	PIO
CGN	Cargo Net	PIO	PIO	PIO
CGO	Cargo Organizer	PIO	PIO	PIO
CGT	Cargo Tray	PIO	PIO	PIO
CGC	Collapsible Cargo Carrier	PIO	PIO	PIO
STR	Spare Tire Kit	PIO	PIO	PIO

2011 MAZDA RX-8

DIO ACCESSORIES	Sport	Grand Touring
AUDIO / ELECTRONICS		
3.5 mm Audio Cable (for AUX jack)	X	X
Hands Free Device (Motorola T-305)	X	
In-Dash 6-disc CD/MP3 Changer	X	
iPod® Integration Module	X	X
Portable Navigation System (not available w/ Navigation option on GT)	X	X
SIRIUS® Satellite Radio Receiver Kit	X	
EXTERIOR		
B-Pillar Applique	X	X
Car Cover	X	X
Car Cover Cable Lock	X	X
Door Edge Guards (Body Color)	X	X
Front Mask, Full (Sport / Grand Touring)	X	X
Front Mask, Full (R3)		
License Plate Frame (Pearl Black with RX-8 logo)	X	X
License Plate Frame (Polished Aluminum with RX-8 logo)	X	X
License Plate Frame (Zoom-Zoom logo)	X	X
Moonroof Wind Deflector		X
Splash Guards Front (Body Color)	X	X
Splash Guards Rear (Body Color)	X	X
Spoiler, Rear Wing (not available with Manual Transmission models)	X	X
Touch-Up Paint	X	X
Wheel Centers, Rotary	X	X
Wheel Locks (4/set)	X	X
INTERIOR		
Aldehyde Filter	X	X
Cargo Carrier, Collapsible	X	X
Cargo Net	X	X
Cargo Organizer	X	X
Cargo Tray	X	X
Door Sill Trim Plates, Aluminum with Rotary Emblem	X	X
First Aid Kit	X	X
Floor Mats, All-Weather	X	X
Floor Mats, Carpet	X	X
Gearshift Knob with Rotary Emblem (Automatic Transmission only)	X	X
Rear Door Trim Protectors	X	X
Roadside Assistance Kit	X	X
Spare Tire Mounting Kit	X	X
Windshield Sunscreen - Silver Reflective	X	X

R3

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

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X

2011 MAZDA RX-8 COLOR AND TRIM

INTERIOR TRIM TYPE		INTERIOR TRIM COLORS	RX-8 R3
		Black	Gray/Black
Sport	Cloth	FG3	--
GT	Leather	FG4	--
Recaro	Cloth/Leather	--	FG7
CODE	EXTERIOR COLOR	AVAILABILITY	
38P	Liquid Silver Metallic	●	
35N	Sparkling Black Mica	●	
27A	Velocity Red Mica	●	●

2011 MAZDA RX-8 SPECIFICATIONS

	6-SPEED SPORT AUTOMATIC	6-SPEED MANUAL
Engine Type	1.3L 2-rotor rotary	
Engine Code	RENESIS	
Induction System	6 side intake ports with 3-stage variable induction system (VIS) and variable fresh air duct	
Horsepower, SAE net	212 hp @ 7500 rpm	232 hp @ 8500 rpm
Torque, SAE net	159 lb-ft @ 5500 rpm	159 lb-ft @ 5500 rpm
Redline	7500 rpm	9000 rpm
Displacement (cu in. / cc)	79.8 / 1,308	
Eccentricity (e) x Radius (R) x Width (b) (in. / mm)	4.13 x 0.59 x 3.15 / 105 x 15 x 80	
Compression Ratio	10.0:1	
Rotor Housing	Aluminum with chrome steel liner	
Side Housing	cast iron	
EPA Estimated Mileage, City/Highway (mpg)	16/23	16/22
Fuel Injection	Multi-port electronic fuel injection	
Required Fuel	Premium unleaded	
Minimum Octane Requirement (R+M/2)	91 octane	
Emission Control (CAL* / Federal)	ULEV2-B / Tier2 Bin5-B	
*CAL = CA, MA, ME, NY, VT, PA, CT, RI, WA, OR, NJ		
Ignition System	Electronically-controlled w/ 4 coils and iridium-tipped, multi-electrode spark plugs	
Alternator	12V - 110A	
Battery	80D/26L	
Starter	12V-2.0kw	
Type	Front-midship engine, rear-wheel drive	
Transmissions	6-speed sport AT with steering-wheel mounted manual shift paddles	6-speed manual
Gear Ratios (:1)		
1st	3.538	3.815
2nd	2.060	2.260
3rd	1.404	1.536
4th	1.000	1.177
5th	0.713	1.000
6th	0.582	0.787
Reverse	3.168	3.603
Final Drive	4.300	4.777
Limited-Slip Differential	-	Torque sensing conical clutch type
Body Type	Monocoque unibody with backbone frame construction and front and rear suspension subframes	
Front Suspension	Double wishbone with forged aluminum control arms	
Rear Suspension	Multi-link with tubular control arms and aluminum hubs	
Steering Type	Rack-and-pinion	
Power Assist	Direct-Drive Electric Power Assist Steering (EPAS)	
Overall Steering Ratio	16.4:1	
Steering Wheel Turns, Lock-to-Lock	2.99	
Turning Circle, Curb-to-Curb (feet)	34.8	
Turning Circle, Wall-to-wall (feet)	37.4	
Coefficient of Drag (cd)	0.30	0.29 (R3: 0.30)
Front Brakes	12.7-in. vented discs with single-piston calipers	
Rear Brakes	11.9-in. vented discs with single-piston aluminum calipers	
ABS	4-wheel, 4-channel with Electronic Brakeforce Distribution (EBD)	
Parking Brake	Mechanical (lever-type)	
Tires	225/45R18 high-performance summer (R3: 225/40R19 high-performance summer)	
Wheels	18 x 8-in. cast aluminum (R3: 19 x 8-in. forged aluminum)	
Tire Brand	Bridgestone/Dunlop (Bridgestone only on R3)	
Tire Inflation Pressure (front/rear)	32 psi / 32 psi	
Wheelbase (inches)	106.3	
Track, front (inches)	59.1 (R3: 59.3)	
Track, rear (inches)	59.3 (R3: 59.4)	
Length (inches) w/o license plate holder	175.6	
Width (inches)	69.7	
Height (inches)	52.8	
Minimum Ground Clearance, laden (inches)	4.7	
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	
Passenger Volume, EPA (cubic feet)	89	
Cargo Volume, SAE (cubic feet)	7.6	
EPA Vehicle Size Category	Subcompact	
Weight Distribution, % front/rear	52/48	
Curb Weight, Federal Spec (lbs.)	3,111	3,065
GVWR (total weight with maximum passenger and cargo load) (lbs.)	3,862	3,818
Oil (U.S. quarts)	6.7	
Engine Coolant (U.S. quarts)	10.4	
Fuel (gallons)	16.9	