



# 2011 MAZDA RX-8 SPECIFICATION DECK

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## **PRODUCTION TIMING:**

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Job #1: September, 2010

## **LINEUP:**

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- 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 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
<p style="text-align: center;"><b>Standard Equipment</b></p> <p><b>Functional / Powertrain</b></p> <ul style="list-style-type: none"> <li>● 1.3L Rotary engine with 212 hp (AT) or 232 hp (MT)</li> <li>● 6-speed sport automatic transmission w/paddle shifters and Adaptive Shift Logic (AT)</li> <li>● 6-Speed manual overdrive transmission with short throw shifter (MT)</li> <li>● Direct drive electronically assisted steering</li> <li>● Front and rear stabilizer bars</li> <li>● Independent front double-wishbone suspension / rear multi-link suspension</li> <li>● Low exhaust pressure main muffler (MT)</li> <li>● Power assist 4-wheel ventilated disc brakes</li> <li>● Shock tower brace</li> <li>● Sport tuned suspension</li> <li>● Torque sensing Limited Slip Differential (MT)</li> </ul> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>● 18-inch aluminum alloy wheels with locks</li> <li>● 225/45R18 high performance tires</li> <li>● Dual chrome tailpipe garnish</li> <li>● Dual power mirrors</li> <li>● Free style doors</li> <li>● Rear LED taillights</li> <li>● Rear lip spoiler (MT models only)</li> <li>● Rear window defogger</li> <li>● Rear window integrated radio antenna</li> <li>● Variable intermittent windshield wipers</li> </ul> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● Air conditioning</li> <li>● AM/FM/CD stereo with 6-speakers</li> <li>● Auxiliary-audio input jack</li> <li>● Center console with power outlet</li> <li>● Instrument panel display with clock, audio, HVAC, outside temp</li> <li>● Cloth trimmed upholstery and door panels</li> <li>● Cruise control</li> <li>● Cup holders - 4</li> <li>● Floor mats</li> <li>● Gauges - black w/chrome bezels &amp; white lettering; blue LED with red nighttime gauge illumination</li> <li>● Internal releases - fuel door, trunk, hood</li> <li>● Passenger seat one-touch walk-in function</li> <li>● Rear bucket seats with rear seat trunk pass through</li> <li>● Reclining front bucket seats</li> <li>● Scuff plates - black w/aluminum accents</li> <li>● Steering wheel mounted controls - audio, cruise</li> <li>● Steering wheel - tilt, leather wrapped</li> <li>● Shift knob - leather wrapped</li> <li>● Overhead console with sunglasses holder</li> <li>● Power door locks - driver / passenger w/illuminated switches</li> <li>● Power windows - driver / passenger w/illuminated switches</li> <li>● Power windows - one-touch open/close with remote down functionality</li> <li>● Vanity mirrors - driver &amp; passenger, illuminated</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>● Air bags: front/side/curtain for driver &amp; front passenger</li> <li>● Alarm with immobilizer</li> <li>● Anti-lock brake system w/EBD</li> <li>● Burgler Alarm</li> <li>● Front seatbelts - 3-point with pretensioners &amp; force limiters</li> <li>● Tire pressure monitoring system</li> </ul>	<p style="text-align: center;"><b>In addition to Sport</b></p> <p><b>Functional / Powertrain</b></p> <ul style="list-style-type: none"> <li>● Torque sensing Limited Slip Differential (AT)</li> </ul> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>● Fog lights</li> <li>● Xenon headlights</li> <li>● Auto on/off headlights</li> <li>● Heated mirrors</li> <li>● Rain sensing wipers</li> <li>● Moonroof, power sliding glass with one-touch open and sunshade</li> </ul> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● Auto dimming rear view mirror with Homelink</li> <li>● In-dash 6 disc CD changer</li> <li>● 300 watt Bose 9-speaker sound system with Centerpoint surround sound and AudioPilot® noise compensation technology</li> <li>● 8-way power driver's seat with power lumbar support</li> <li>● Auto A/C</li> <li>● Bluetooth hands free phone system</li> <li>● Color keyed synthetic leather trimmed door panels</li> <li>● Driver's seat memory (3 positions)</li> <li>● Driver's seat one-touch walk-in function</li> <li>● Heated driver/passenger seats</li> <li>● Leather trimmed seating surfaces</li> <li>● Leather wrapped parking brake</li> <li>● Mazda Advanced Keyless Entry and Start System</li> <li>● SIRIUS Satellite Radio System (includes 6 month free subscription)</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>● Dynamic Stability Control w/Traction Control</li> </ul>	<p style="text-align: center;"><b>In addition to Sport</b></p> <p><b>Functional / Powertrain</b></p> <ul style="list-style-type: none"> <li>● Torque sensing Limited Slip Differential</li> <li>● Sport tuned suspension with Bilstein shock absorbers</li> <li>● Urethane foam injected front suspension cross member</li> </ul> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>● Fog lights</li> <li>● Xenon headlights</li> <li>● 19-inch forged aluminum alloy wheels</li> <li>● 225/40R19 high performance tires</li> <li>● Rear wing spoiler</li> <li>● Side sills</li> <li>● Sporty front bumper</li> </ul> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● Auto dimming rear view mirror with Homelink</li> <li>● In-dash 6 disc CD changer</li> <li>● 300 watt Bose 9-speaker sound system with Centerpoint surround sound and AudioPilot® noise compensation technology</li> <li>● Bluetooth hands free phone system</li> <li>● Front Recaro sport seats with leather side bolsters</li> <li>● Leather wrapped parking brake</li> <li>● Mazda Advanced Keyless Entry and Start System</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>● Dynamic Stability Control w/Traction Control</li> </ul>
Features, options and package content subject to change.		

**2011 MAZDA RX-8  
EQUIPMENT AND FEATURES**

	<b>SPORT</b>	<b>GRAND TOURING</b>	<b>RX-8 R3</b>
	RX8 SP	RX8 GT	RX8 HP
<b>POWERTRAIN</b>			
Exhaust, low pressure main muffler	MT	MT	MT
Exhaust, single with dual outlets	Std	Std	Std
Light weight carbon fiber driveshaft	MT	MT	MT
Rear wheel drive	Std	Std	Std
Transmission, 6-speed automatic with paddle shifters and Adaptive Shift Logic	Available	Available	NA
Transmission, 6-speed manual overdrive (short throw shifter)	Std	Std	Std
Variable dynamic effect intake system	MT	MT	MT
<b>SUSPENSION</b>			
Brakes, power-assisted 4-wheel ventilated disc brakes	Std	Std	Std
Brakes, 12.7" front	Std	Std	Std
Brakes, anti-lock with electronic brakeforce distribution (ABS)	Std	Std	Std
Dynamic Stability Control (DSC) with traction control	NA	Std	Std
Front - independent double wishbone	Std	Std	Std
Rear - independent multi-link suspension	Std	Std	Std
Shock absorbers, Bilstein	NA	NA	Std
Shock absorbers, monotube gas filled front and rear	Std	Std	Std
Sport tuned suspension	Std	Std	Std
Stabilizer bar, front and rear	Std	Std	Std
Steering, direct drive electronically assisted	Std	Std	Std
Torque sensing limited-slip differential	Std on MT	Std	Std
Urethane foam injected front suspension cross member	NA	NA	Std
Wheel locks	Std	Std	Std
Wheels / Tires, 18" aluminum alloy with 225/45 R18 tires	Std	Std	NA
Wheels / Tires, 19" forged aluminum alloy with 225/40 R19 tires	NA	NA	Std
<b>EXTERIOR FEATURES</b>			
Fog lights, front	NA	Std	Std
Headlights, Xenon auto leveling	NA	Std	Std
Headlights, auto on/off	NA	Std	NA
Headlights, halogen	Std	NA	NA
Mazda advanced keyless entry and start system	NA	Std	Std
Mirrors, dual power remote / body colored	Std	NA	NA
Mirrors, heated dual power remote / body colored	NA	Std	NA
Moonroof, power sliding glass with one-touch open and sunshade	NA	Std	NA
Rear LED taillights	Std	Std	Std
Rear lip spoiler	Std on MT	Std on MT	NA
Rear wing spoiler	NA	NA	Std
Remote keyless illuminated entry	Std	Std	Std
Side sills	NA	NA	Std
Windshield, heat absorbent glass / tinted with sunshade	Std	Std	Std
Wipers, rain sensing	NA	Std	NA
Wipers, variable intermittent	Std	Std	Std
<b>INTERIOR FEATURES</b>			
Air bags, driver and passenger front, side, head curtain	Std	Std	Std
Air conditioning, automatic	NA	Std	NA
Air conditioning, CFC-Free	Std	Std	Std
Alarm system (burgler) and engine immobilizer	Std	Std	Std
Bluetooth hands free phone system	NA	Std	Std
Cigarette lighter with ash tray	Std	Std	Std
Cruise control with steering wheel mounted controls	Std	Std	Std
Cup holders, 2 front / 2 rear	Std	Std	Std
Defogger, rear window with auto shutoff	Std	Std	Std
Demisters, front side windows	Std	Std	Std
Door locks, power with front passenger switch illumination	Std	Std	Std
DVD Navigation system with in-dash 7" LCD touch screen	NA	Opt.	NA
Floor Mats, carpeted front/rear	Std	Std	Std
Foot pedals, aluminum including foot rest	Std on MT, NA on AT	Std on MT, NA on AT	Std
Glove box, illuminated & locking	Std	Std	Std
Heater/Defroster, with rear duct	Std	Std	Std
Ignition key illumination	Std	Std	Std
Lighting, door / overhead dimming, dual map lights	Std	Std	Std
Mirror, rear view autodimming with HomeLink®	NA	Std	Std
Mirror, rear view day/night	Std	NA	NA
Mirror, vanity / driver & passenger / illuminated	Std	Std	Std
Parking brake, leather wrapped with bright button	NA	Std	Std
Parking brake, urethane handle with bright button	Std	NA	NA
Power outlet	Std	Std	Std
Power windows, illuminated switches with one-touch-up/down with remote functionality	Std	Std	Std
Rear storage console with lid	Std	Std	Std
Remote releases, trunk lid / fuel door / hood	Std	Std	Std
Scuff plates, black with aluminum accents	Std	Std	Std
Seat upholstery, cloth with cloth door trim	Std	NA	NA
Seat upholstery, leather with synthetic leather door trim	NA	Std	Std
Seats, bucket type with integrated head restraints	Std	Std	Std
Seats, heated (front)	NA	Std	NA
Seats, 8-way power driver's seat w/3 position memory switch	NA	Std	NA
Seats, passenger side one-touch walk-in function	Std	Std	Std
Seats, driver's side one-touch walk-in function	NA	Std	NA
Seats, front Recaro sport seats	NA	NA	Std
Shift knob, aluminum and leather wrapped	Std on MT, NA on AT	Std on MT, NA on AT	Std
Shift knob, leather wrapped w/silver accent	Std on AT, NA on MT	Std on AT, NA on MT	NA
Steering Wheel, leather wrapped with tilt	Std	Std	Std
Storage console, overhead with sunglasses holder	Std	Std	Std
Tire pressure monitoring system	Std	Std	Std
Trip odometer, two resettable	Std	Std	Std
Warning lamps: air bags, battery, brake, engine, fuel, high-beam, oil, seat belt, tire pressure	Std	Std	Std
<b>AUDIO FEATURES</b>			
AM/FM stereo w/single CD player and six speakers	Std	NA	NA
Antenna, mounted in rear glass	Std	Std	Std
Auxiliary audio jack	Std	Std	Std
Bose® 9-speaker 300 watt sound system w/Centerpoint surround sound & AudioPilot	NA	Std	Std
In-dash 6-CD changer	PIO	Std	Std
SIRIUS Satellite Radio System (includes 6 month free subscription) (NA in Alaska/Hawaii)	PIO	Std	PIO

**2011 MAZDA RX-8**  
**PACKAGES AND OPTIONS**

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

**2011 MAZDA RX-8  
PIO ACCESSORIES**

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

## 2011 MAZDA RX-8

DIO ACCESSORIES	Sport	Grand Touring	R3
<b>AUDIO / ELECTRONICS</b>			
3.5 mm Audio Cable (for AUX jack)	X	X	X
Hands Free Device (Motorola T-305)	X		
In-Dash 6-disc CD/MP3 Changer	X		
iPod® Integration Module	X	X	X
Portable Navigation System (not available w/ Navigation option on GT)	X	X	X
SIRIUS® Satellite Radio Receiver Kit	X		X
<b>EXTERIOR</b>			
B-Pillar Applique	X	X	X
Car Cover	X	X	X
Car Cover Cable Lock	X	X	X
Door Edge Guards (Body Color)	X	X	X
Front Mask, Full (Sport / Grand Touring)	X	X	
Front Mask, Full (R3)			X
License Plate Frame (Pearl Black with RX-8 logo)	X	X	X
License Plate Frame (Polished Aluminum with RX-8 logo)	X	X	X
License Plate Frame (Zoom-Zoom logo)	X	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	X
Wheel Centers, Rotary	X	X	X
Wheel Locks (4/set)	X	X	X
<b>INTERIOR</b>			
Aldehyde Filter	X	X	X
Cargo Carrier, Collapsible	X	X	X
Cargo Net	X	X	X
Cargo Organizer	X	X	X
Cargo Tray	X	X	X
Door Sill Trim Plates, Aluminum with Rotary Emblem	X	X	X
First Aid Kit	X	X	X
Floor Mats, All-Weather	X	X	X
Floor Mats, Carpet	X	X	X
Gearshift Knob with Rotary Emblem (Automatic Transmission only)	X	X	
Rear Door Trim Protectors	X	X	X
Roadside Assistance Kit	X	X	X
Spare Tire Mounting Kit	X	X	X
Windshield Sunscreen - Silver Reflective	X	X	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	RENEISIS	
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	7.4
Engine Coolant (U.S. quarts)	10.4	10.6
Fuel (gallons)	16.9	