



2010 MAZDA RX-8 SPECIFICATION DECK

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PRODUCTION TIMING:

Job #1: TBD

LINEUP:

- Sport
- Grand Touring
- RX-8 R3

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2010 MAZDA RX-8 PRODUCT CHANGES

OVERVIEW

For 2010MY, the Touring Model and Premium Packages have been eliminated from the line-up and the number of available exterior colors has been reduced to four.

MODEL / SERIES / AVAILABILITY

- Touring Model Eliminated
- Deleted Grand Touring Model with Normal Roof

EXTERIOR CHANGES

- None

INTERIOR CHANGES

Std Equipment now included on Grand Touring Model

- Moonroof
- Sirius Satellite Radio w/6-mth subscription

FUNCTIONAL CHANGES

- 6EAT GVW Change from 3858 lbs to 3862 lbs
- 6EAT Coolant capacity change from 9.2 qts to 10.4 qts
- 6MT Coolant capacity change from 9.4 qts to 10.6 qts

PACKAGE / OPTION CHANGES

- Delete Premium Package #1(1PR)
- Delete Premium Package #1(2PR)
 - Premium Pkg # 2 content now std on Grand Touring

COLOR & TRIM

- **Exterior Colors Added:**
 - Liquid Silver Metallic (38P)
- **Exterior Colors Deleted:**
 - Brilliant Black Clearcoat (A3F)
 - Crystal White Pearl (34K)
 - Diamond Gray Metallic (38E)
 - Sunlight Silver Metallic (22V)
- **Interior Colors Added:**
 - None
- **Interior Colors Deleted:**
 - Red Leather (FG6)
 - Dune Leather (FG5)

SAFETY

- No change

Product Changes and Features Availability

Features, options and package content subject to change.

2010 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;">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 ● 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 ● Burgler Alarm ● Front seatbelts - 3-point with pretensioners & force limiters ● Tire pressure monitoring system | <p style="text-align: center;">In addition to Sport</p> <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 style="text-align: center;">In addition to Sport</p> <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.

**2010 MAZDA RX-8
EQUIPMENT AND FEATURES**

| | SPORT | GRAND TOURING | RX-8 R3 |
|---|---------------------|----------------------|----------------|
| | RX8 SP | RX8 GT | RX8 HP |
| POWERTRAIN | | | |
| 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 |
| SUSPENSION | | | |
| 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 |
| EXTERIOR FEATURES | | | |
| 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 |
| INTERIOR FEATURES | | | |
| 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 |
| AUDIO FEATURES | | | |
| 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 |

2010 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. | - |

2010 MAZDA RX-8

ACCESSORIES

| | | Sport RX8 SP | Grand Touring RX8 GT | RX-8 R3 RX8 HP |
|-----------------------------------|----------------------------------|----------------------------|----------------------------|----------------------------|
| AUDIO / VISUAL ELECTRONICS | | | | |
| SSA | Shock Sensor Alarm | PIO | N/A | N/A |
| 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) | PIO (N/A in Alaska/Hawaii) | 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 |

2010 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 | ● | ● |
| 34J | Aurora Blue Mica | | ● |

BOLD = New for 2010MY

2010 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 | 7.4 |
| Engine Coolant (U.S. quarts) | 10.4 | 10.6 |
| Fuel (gallons) | 16.9 | |