



2011 RX-8

SPECIFICATIONS & FEATURES DECK

PRODUCTION TIMING:

Job #1: October 2010 Production

LINEUP:

R3
GT

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*** Information contained herein is subject to change without notice.
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Date of Issue: October 20, 2010

KEY CHANGES FOR 2011 MAZDA RX-8

Exterior Colours

Added:



Stormy Blue Mica (35J)

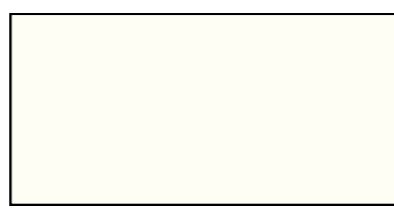
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2011 MAZDA RX-8 COLOUR GUIDE

Exterior:



Metropolitan Grey Mica (36C)



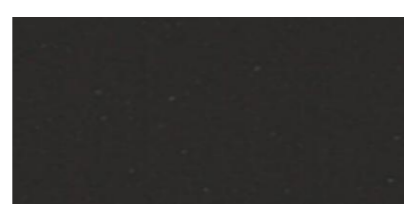
Crystal White Pearl (34K)



Stormy Blue Mica (35J)



Velocity Red Mica (27A)



Sparkling Black Mica (35N)

INTERIOR:

R3 (CLOTH/LEATHER)

Bolster



Inserts



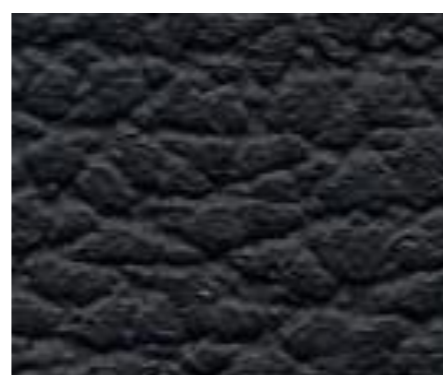
Black/Recaro (FG7)

GT (LEATHER)

Bolster



Inserts



Black (FG4)

Disclaimer

This colour guide has been added to facilitate the ordering process. Although we have made every effort to match the colour and fabric, we cannot guarantee the images above are their exact equivalent.

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2011 MAZDA RX-8 COLOUR & TRIM:

| Exterior Colour | Code | R3 | GT |
|------------------------|------|--------------------|-------------|
| | | CLOTH/LEATHER | LEATHER |
| Stormy Blue Mica* | 35J | Black/Recaro (FG7) | Black (FG4) |
| Metropolitan Grey Mica | 36C | Black/Recaro (FG7) | Black (FG4) |
| Velocity Red Mica | 27A | Black/Recaro (FG7) | Black (FG4) |
| Crystal White Pearl | 34K | Black/Recaro (FG7) | Black (FG4) |
| Sparkling Black Mica | 35N | Black/Recaro (FG7) | Black (FG4) |

* New colour for 2011

2011 MAZDA RX-8 MODEL LINE-UP:

| Trim Grade | Model Description | | MODEL CODE | OPTION CODE |
|------------|-------------------|-------------------|------------|-------------|
| R3 | 6MT | | T4PF61 | AA00 |
| | 6MT | | T4TF61 | AA00 |
| GT | 6MT | Navigation System | T4TF61 | AB00 |
| | 6AT | | T4TF81 | AA00 |
| | 6AT | Navigation System | T4TF81 | AB00 |
| | 6AT | | T4TF81 | AB00 |

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2011 MAZDA RX-8 SPECIFICATIONS

Engine

Type 1.3L Rotary engine

| | <u>6-Speed Sport Mode AT</u> | <u>6-Speed MT</u> |
|-----------------------|-------------------------------------|--------------------------|
| Horsepower SAE net hp | 212 @ 7500 rpm | 232 @ 8500 rpm |
| Torque SAE net lb.ft. | 159 @ 5500 rpm | 159 @ 5500 rpm |
| Redline | 7500 RPM | 9000 RPM |
| Displacement | 654cc x 2 | |
| Compression ratio | 10.0:1 | |
| Fuel system | Electro magnetic | |
| Recommended fuel | Premium unleaded | |

Drivetrain

Type Front rotary engine / rear-wheel drive
 Transmission 6-speed **Sport** mode automatic transmission with paddle shifters
 6-speed manual with short throw shifter

| Gear ratios: | 6 Sport mode AT | 6 MT |
|--------------|------------------------|-------------|
| 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 |

Clutch type Single dry plate, diaphragm spring (Except AT)

Suspension

Frame Unit body (Monocoque), Power Plant Frame (PPF)
 Suspension Sport tuned suspension. Front independent double wishbone and rear multi-link suspension with gas-filled shock absorbers. Front strut tower bar. Front and rear stabilizer bars.
 R3 suspension Sport tuned suspension. Front independent double wishbone suspension with Bilstein dampers. Front suspension cross member with urethane fill. Rear multi-link suspension with Bilstein dampers. Front strut tower bar. Front and rear stabilizer bars.

Chassis

Steering Direct drive electronically assisted steering
 Steering ratio 16.43:1
 Steering wheel turns 2.99 (lock to lock)
 Min. turning circle 10.6 m curb to curb
 Brakes Power-assisted 4-wheel ventilated disc brakes
 Anti-lock Braking System with EBF
 Dynamic Stability Control (DSC) - GT and R3 models
 Wheels 18" aluminum alloy wheels (GT) , 19" light weight forged alloy wheels (R3)
 Tires 225/45R18 (GT) and 225/40R19 (R3)
 Curb weight 6 AT - 1,431 / 6 MT 1,410 kg

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2011 MAZDA RX-8 SPECIFICATIONS

Electrical System

| | |
|-----------------|-----------------|
| Battery | 80D26L |
| Alternator | 12 Volt - 110 A |
| Ignition system | Pointless |

Capacities

| | |
|---------------------|------------------------|
| Seating | 4 |
| Engine oil capacity | 6.3L (AT) , 7.0L (MT) |
| Coolant capacity | 9.8L (AT) , 10.0L (MT) |
| Washer fluid tank | 5.5L |
| Fuel tank | 64L |

External Dimensions (mm)

| | |
|-----------------------|-------------|
| Wheelbase | 2,700 |
| Track (Fr/Rr) (R3/GT) | 1,505/1,500 |
| Track (Fr/Rr) (R3/GT) | 1,510/1,505 |
| Overall length | 4,470 |
| Overall width | 1,770 |
| Overall height | 1,340 |
| Ground clearance | 120 |

Internal Dimensions (mm)

| | |
|-----------------------|---|
| Headroom (Fr/Rr) | 932/927 w/ moonroof 970/935 w/o moonroof |
| Legroom (Fr/Rr) | 1,084/817 |
| Shoulder room (Fr/Rr) | 1,393/1,395 |
| Hip room (Fr/Rr) | 1,355/1,222 |
| Cargo volume | 290L |

Fuel Economy Ratings

| | City | Highway |
|------------------------------|---------------|----------------|
| 6-speed Sport mode AT | 13.3 L/100 km | 8.9 L/100 km |
| 6-Speed manual | 12.8 L/100 km | 9.2 L/100 km |

Estimated Performance Data

| | |
|-----------------------------------|-----------------------------|
| Acceleration MT (0 - 60 mph: sec) | 6AT: 8.4, 6MT: 6.2, R3: 6.1 |
| Coefficient of Drag (Cd) | 6AT: 0.3, 6MT: 0.29 R3: 0.3 |
| Weight Distribution % (fr/rr) | 48/52 |

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| 2011 RX-8 | | |
|--|-----------|-----------|
| EQUIPMENT AND FEATURES | R3 | GT |
| ENGINEERING FEATURES | | |
| 1.3L Rotary engine | S | S |
| Variable dynamic effect intake system | S | S |
| 6-speed manual transmission with short throw shifter | S | S |
| 6-speed Sport mode automatic transmission with paddle shifters | -- | O |
| Limited-slip rear differential | S | S |
| Dynamic Stability Control (DSC) w/ Traction Control System (TCS) | S | S |
| Direct drive electronically assisted steering | S | S |
| Power-assisted 4-wheel ventilated disc brakes | S | S |
| Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD) | S | S |
| Front engine / rear-wheel drive | S | S |
| Front independent double wishbone suspension | S | S |
| Rear independent multi-link suspension | S | S |
| Sport-tuned suspension | -- | S |
| Sport suspension including Bilstein dampers & urethane foam filled front suspension cross member | S | -- |
| Front and rear stabilizer bars | S | S |
| Power Plant Frame (PPF) | S | S |
| Strut tower bar | S | S |
| EXTERIOR FEATURES | | |
| 225/45 R18 Performance | -- | S |
| 18-inch aluminium alloy wheels | -- | S |
| 225/40 R19 Performance | S | -- |
| Unique design 19-inch lightweight forged alloy wheels | S | -- |
| Rear lip spoiler and rear double tire deflector (all 6MT except R3) | -- | 6MT |
| Rear spoiler (raised type) | S | -- |
| Body-colour bumpers and door handles | S | S |
| Sport integrated front bumpers and side sills | S | -- |
| High mount stop lamp | S | S |
| Dual body-colour power remote-control heated door mirrors | S | S |
| Sporty LED tail lights | S | S |
| Headlights - xenon HID | S | S |
| Automatic headlamp levelling | S | S |
| Automatic headlight washers | S | S |
| Automatic on/off front headlamps | S | S |
| Fog lights | S | S |
| Windshield with sunshade | S | S |
| Rain sensing wipers | S | S |
| Glass imprinted antenna | S | S |
| Dual outlet exhaust system (chrome garnish) | S | S |
| INTERIOR FEATURES: COMFORT AND CONVENIENCE | | |
| AM/FM stereo w/ 6-disc in-dash CD changer, and BOSE premium audio system (includes 9 speakers), | S | S |
| Audio auxiliary input | S | S |
| Cruise control | S | S |
| Steering wheel mounted cruise and audio controls | S | S |
| Air conditioning | S | S |
| Automatic climate control | S | S |

S = Standard O = Optional

| 2011 RX-8 | | |
|---|-----------|-----------|
| EQUIPMENT AND FEATURES | R3 | GT |
| <i>INTERIOR FEATURES: COMFORT AND CONVENIENCE</i> | | |
| Micron air filter | S | S |
| Rear seat heater ducts | S | S |
| Rear window defroster | S | S |
| Power door locks (2 stage lock type) | S | S |
| Intelligent Key System (keyless entry and start) | S | S |
| Driver / front passenger illuminated power door lock switch | S | S |
| Central locking feature on driver's door | S | S |
| Remote fuel door and trunk lid releases | S | S |
| Internal trunk release | S | S |
| Power windows with global open & close | S | S |
| Driver / front passenger illuminated power window switch | S | S |
| Power operated glass moonroof | -- | S |
| Ignition key illumination | S | S |
| Front door courtesy lamps | S | S |
| Illuminated entry | S | S |
| Cargo area light | S | S |
| Driver / passenger illuminated vanity mirrors | S | S |
| Auto-dimming rearview mirror with Homelink | S | S |
| Navigation system | -- | O |
| Bluetooth capability | S | S |
| Sirius ready integrated satellite radio | -- | S |
| Delayed fade out on interior lamps | S | S |
| Cup holders (2 front, 2 rear) | S | S |
| Map lamps | S | S |
| Aluminium foot pedals and left foot rest | S | 6 MT only |
| <i>INTERIOR FEATURES: SEAT AND TRIM</i> | | |
| Reclining front bucket seats | S | S |
| Lightweight Recaro seats | S | -- |
| Driver's manual seat lifter | -- | -- |
| Recline levers for front passenger seat | S | S |
| Push button power forward on driver seat | -- | S |
| 8-way adjustable power driver's seat with power lumbar support | -- | S |
| Power memory driver's seat | -- | S |
| Heated front seats | -- | S |
| Integrated head restraints for front seats | S | S |
| Floor mats | S | S |
| Half leather seat upholstery | S | -- |
| Cloth door panel trim - front and rear | S | -- |
| Leather trimmed upholstery | -- | S |
| Synthetic leather door panel trim - front and rear | -- | S |
| Leather wrapped 3-spoke steering wheel | -- | S |
| Tilt adjustable steering wheel | S | S |
| Leather wrapped shift knob | -- | S |
| Leather wrapped parking lever | -- | S |
| Leather wrapped parking lever, steering wheel & shift knob with red stich | S | -- |
| Front door handles (bright finish) | S | S |
| Rear door handles (black finish) | S | S |
| Scuff plates with aluminium inserts | S | S |

S = Standard O = Optional

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2011 RX-8

| EQUIPMENT AND FEATURES | R3 | GT |
|--|-----------|-----------|
| <i>INTERIOR FEATURES: SAFETY AND SECURITY</i> | | |
| Side-impact door beams – front | S | S |
| Dual front airbags | S | S |
| Dual front side airbags | S | S |
| Dual front and rear side air curtains | S | S |
| Front safety-belt pretensioners with force limiters | S | S |
| 3-point safety belts for all seating positions (2 front; 2 rear) | S | S |
| ISOFIX child safety-seat anchors | S | S |
| Anti-theft alarm system | S | S |
| Tire puncture repair kit | S | S |
| Engine immobilizer theft-deterrent system | S | S |
| <i>INTERIOR FEATURES: INSTRUMENT PANEL</i> | | |
| Outside ambient temperature indicator | S | S |
| 12-volt power outlet with cigarette lighter | S | S |
| Blue LED concealed meter lighting with red night time gauge illumination | S | S |
| Black gauges with chrome bezels and white lettering | S | S |
| Tachometer (variable red-zone), engine coolant temperature gauge and fuel gauge | S | S |
| Twin trip odometers | S | S |
| Warning lights for low fuel level, washer fluid, door ajar, check engine, oil pressure, volts, parking brake, high beam, air bags & safety belts | S | S |
| <i>INTERIOR FEATURES: STORAGE</i> | | |
| Front door storage pockets | S | S |
| Front seatback storage pockets | - | S |
| Coin box | S | S |
| Overhead console w/ sunglass storage | S | S |
| Centre console with power outlet (1) | S | S |
| Rear console | S | S |
| Lockable, illuminated glove compartment | S | S |

S = Standard O = Optional

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2011MY RX-8 EQUIPMENT WALK

R3 6MT

Engineering

1.3L Rotary engine
 232 HP @ 8500 rpm
 159 Lb. Ft. of Torque @ 5500 rpm
 Dynamic Stability Control (DSC) & Traction Control System (TCS)
 Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)
 Power-assisted 4-wheel ventilated disc brakes
 Power Plant Frame (PPF)
 Sport-tuned suspension
 Limited slip rear differential
 Bilstein dampers on front suspension. Front suspension cross member with urethane fill.
 Rear multi-link suspension with Bilstein dampers.

Exterior

Dual outlet exhaust system (chrome garnish)
 Rear spoiler (raised type)
 Sport integrated front bumper and side sills
 Unique design 19-inch light weight forged alloy wheels
 225/40 R19 Tires
 Side skirts
 Headlights - xenon HID
 Automatic headlamp levelling
 Rain sensing wipers
 Automatic on/off headlamps
 Headlight cleaners
 Fog lights

Interior

Aluminium foot pedals and left foot rest
 Lightweight Recaro seat (half leather)
 Scuff plates with aluminium inserts
 Leather wrapped steering wheel & shift knob with red stitch
 Leather wrapped parking lever with red stitch
 Door trim armrest with red stitch
 Leather covered front and rear console lid with red stitch
 Welcome mode and panic alarm (includes two transmitters)
 Recline levers for front seats added for easier ingress/egress of rear seats

Comfort & Convenience

Air conditioning
 Automatic climate control
 Automatic-dimming rearview mirror with Homelink
 Outside ambient temperature indicator
 Power windows global open & close
 Cruise control
 Steering wheel mounted cruise and audio controls
 Intelligent Key System (keyless entry and start)
 Bluetooth Hands-Free Phone System

Audio

AM/FM stereo w/ 6-disc in-dash CD changer
 BOSE premium audio system w/9 speakers
 MP3 read capability on CD changer
 Auxiliary audio input

Safety

Dual front and rear side air curtains
 Dual front side-impact air bag supplemental restraint system (SRS)
 Integrated head restraints for front seats
 Engine immobilizer theft-deterrent system
 Anti-theft alarm system

GT 6MT

Engineering

1.3L Rotary engine
 232 HP @ 8500 rpm
 159 Lb. Ft. of Torque @ 5500 rpm
 Dynamic Stability Control (DSC) & Traction Control System (TCS)
 Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)
 Power-assisted 4-wheel ventilated disc brakes
 Power Plant Frame (PPF)
 Sport-tuned suspension
 Limited slip rear differential

Exterior

18-inch aluminum alloy wheels
 225/45 R18 performance radial tires
 Headlights - xenon HID
 Dual outlet exhaust system (chrome garnish)
 Rear spoiler (lip type)
 Rear mud guards
 Automatic headlamp levelling
 Rain sensing wipers
 Automatic on/off headlamps
 Headlight cleaners
 Fog lights

Interior

Leather wrapped 3-spoke steering wheel & shift knob
 Heated front seats
 Leather trimmed upholstery
 Push button on seats for easier ingress/egress of rear seats
 8-way adjustable power driver's seat with power lumbar support
 Power memory seat
 Leather covered parking lever
 Synthetic leather door panel trim - front and rear
 Passenger seat back storage pocket

Comfort & Convenience

Air conditioning
 Tilt adjustable steering wheel
 Automatic climate control
 Automatic-dimming rearview mirror with Homelink
 Power windows global open & close
 Cruise control
 Steering wheel mounted cruise and audio controls
 Intelligent Key System (keyless entry and start)
 Bluetooth Hands-Free Phone System
 Moonroof w/ one touch open

Audio

AM/FM stereo w/ 6-disc in-dash CD changer
 BOSE premium audio system w/9 speakers
 MP3 read capability on CD changer
 Auxiliary audio input
 SIRIUS Satellite radio

Safety

Dual front and rear side air curtains
 Dual front side-impact air bag supplemental restraint system (SRS)
 Integrated head restraints for front seats
 Engine immobilizer theft-deterrent system
 Anti-theft alarm system

Options

OPTIONS

| | |
|--|-----------|
| 6-speed Sport mode AT | No charge |
| Features not available on 6AT: | |
| Aluminum foot pedal, left foot rest, rear lip spoiler and rear double tire deflector | |

Packages

NAVI Package

| |
|-------------------|
| Navigation system |
|-------------------|

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