

2020 MX-5 MIATA RF SPECIFICATIONS



mazda

CLUB



ENGINE & MECHANICAL

ENGINE TYPE	SKYACTIV®-G ¹ 2.0L DOHC 16-valve 4-cylinder with VVT
HORSEPOWER	181 hp @ 7000 rpm
TORQUE	151 lb-ft @ 4000 rpm
REDLINE	7500 rpm
DISPLACEMENT (CC)	1998
BORE X STROKE (MM)	83.5 x 91.2
COMPRESSION RATIO	13:1
FUEL SYSTEM	Electronically controlled fuel injection
RECOMMENDED FUEL	Premium unleaded, 91 octane or greater
MINIMUM OCTANE REQUIREMENT	Regular unleaded, 87 octane or greater
VALVETRAIN	Chain-driven dual overhead cams, 4 valves per cylinder with variable intake valve timing (VVT)
IGNITION SYSTEM	Distributor-less ignition
ENGINE BLOCK	Aluminum alloy
CYLINDER HEAD	Aluminum alloy
EMISSION CONTROL (50 STATE EMISSIONS)	ULEV / Tier2 Bin5

EPA-ESTIMATED FUEL ECONOMY

MANUAL TRANSMISSION (CITY/HWY) ²	26 / 34
AUTOMATIC TRANSMISSION (CITY/HWY) ²	26 / 35

DRIVETRAIN

TYPE	Front-midship engine, rear-wheel drive	
MANUAL TRANSMISSION	SKYACTIV®-MT ¹ 6-speed manual transmission with short-throw shifter	
AUTOMATIC TRANSMISSION	6-speed Sport automatic transmission with paddle shifters	
GEAR RATIOS (:1)	6MT	6AT
1ST	5.087	3.538
2ND	2.991	2.060
3RD	2.035	1.404
4TH	1.594	1.000
5TH	1.286	0.713
6TH	1.000	0.582
REVERSE	4.696	3.168
FINAL DRIVE	2.866	3.583
LIMITED-SLIP DIFFERENTIAL	Torque-sensing limited-slip differential (MT only)	

CHASSIS

CHASSIS	Monocoque unibody with backbone frame construction and front and rear suspension subframes	
BRAKES	4-wheel disc	
- FRONT	11-inch vented disc with single piston calipers	
- REAR	11-inch solid disc with single piston calipers	
- ABS	4-wheel, 4-channel with Electronic Brake Force Distribution (EBD) and Brake Assist	
STEERING TYPE	Rack-and-pinion	
POWER ASSIST	Double pinion electric power assist (DP-EPAS)	
OVERALL STEERING RATIO	15.5:1	
STEERING WHEEL TURNS, LOCK-TO-LOCK	2.7	
TURNING CIRCLE DIAMETER, CURB-TO-CURB (FT)	30.8	
SUSPENSION	4-wheel independent	
- FRONT	Double wishbone with aluminum control arms and monotube dampers	
- REAR	Multi-link with aluminum bearing support and monotube dampers	
- SHOCK TOWER BRACE (FRONT)	(MT only)	
- DAMPERS	Bilstein® (MT only)	
WHEEL SIZE (IN)	17 x 7 aluminum alloy wheels in Metallic Black finish	
TIRE SIZE AND TYPE	P205/45 R17 high-performance tires	

WEIGHTS & CAPACITIES

CURB WEIGHT (LBS)	2,452 (MT) / 2,496 (AT)
WEIGHT DISTRIBUTION % (FRONT/REAR)	51 / 49
FUEL CAPACITY (GALLONS)	11.89

EXTERIOR

EXTERIOR DIMENSIONS



WHEELBASE (IN)	90.9
TRACK, FRONT (IN)	58.9
TRACK, REAR (IN)	59.17
LENGTH, WITHOUT LICENSE PLATE HOLDER (IN)	154.1
WIDTH (IN)	68.3
HEIGHT (IN)	49.0
MINIMUM GROUND CLEARANCE, LADEN (IN)	5.32

EXTERIOR FEATURES

LED Headlights

LED Taillights

LED Daytime Running Lights

Body-colored front, rear bumpers and door handles

Aluminum hood

Aluminum trunk lid

Black front air dam

Solar-control/tinted windshield

Variable-intermittent windshield wipers

Black power side mirrors

Glass rear window

Rear-mounted mast and trunk-mounted "shark fin" antenna

Rear lip spoiler

INTERIOR

INTERIOR DIMENSIONS & CAPACITIES

HEADROOM (IN)	36.8
SHOULDER ROOM (IN)	52.2
HIP ROOM (IN)	52.0
LEGGROOM (IN)	43.1
CARGO VOLUME (CU FT)	4.48

COMFORT & CONVENIENCE

Air conditioning

Heater/defroster with multiple-speed fan

Power windows with driver and passenger one-touch-down feature

Glass rear window with defogger

Side window demisters

Power door locks with speed sensor

Cruise control

Mazda Advanced Keyless Entry System

Push button ignition

Remote trunk lid release

Tilt & telescoping steering column

Driver and passenger vanity mirrors

Courtesy overhead light with dimming

12-volt power outlet

Transparent wind blocker

STORAGE

2 removable cup holders

Locking rear center console

Driver and passenger back panel covered storage

SEATING & TRIM

2-passenger seating capacity

Bucket seats with reclining and forward/back slide feature

Driver's side seat tilt adjustment

Integrated headrests

Heated seats with 3 heat settings

Black cloth-trimmed seats with silver accent stitching

Piano Black seat back bar trim

Body-colored upper door trim

Leather-wrapped 3-spoke steering wheel

Leather-wrapped shift knob

Leather-wrapped parking brake handle

Padded armrests

Carpet floor mats

Driver foot rest

AUDIO & INFOTAINMENT

Bluetooth® hands-free phone and audio streaming capability⁴

Apple CarPlay integration*

Android Auto intergration*

Bose® 9-speaker audio system with AudioPilot®, driver and passenger headrest speakers and subwoofer

Speed-sensing automatic volume control

MAZDA CONNECT™ Infotainment System⁵

- 7" full color touch screen

- Multi Function Commander Control

- Infotainment system voice command

- Radio Broadcast Data System program information

- HD Radio™

- Aha™, Pandora®, Stitcher™ internet radio integration

- SMS text message audio delivery and reply

- E911 automatic emergency notification

SiriusXM Satellite radio with 3-month subscription⁶

Auxiliary audio input jack

2 USB audio inputs

Steering wheel-mounted audio, phone and cruise controls

INSTRUMENTATION

Full instrumentation, including tachometer, coolant temperature gauge and fuel gauge

Black gauges with white lettering

4.6-inch full-color LCD display for trip computer and roof status information

Trip computer with compass, distance to empty, average and current fuel economy

SAFETY & SECURITY

Dual front airbags⁷

Side impact airbags⁷

Side impact door beams

3-point seat belts with pretensioners and force limiters

Smart City Brake Support⁸

Blind Spot Monitoring⁹

Rear Cross Traffic Alert⁹

Lane Departure Warning¹⁰

Rearview Camera¹¹

Engine immobilizer

Tire Pressure Monitoring System (TPMS)

PACKAGES & OPTIONS

PACKAGES

Brembo®/BBS RECARO Package (MT only)

- Brembo® front brakes with Red calipers, Mazda rear brakes with Red calipers
- BBS forged 17" aluminum alloy wheels in Dark Gunmetal finish
- Aero kit: Side sill extensions, rear bumper skirt in Brilliant Black
- Heated Black RECARO sport seats

OPTIONS

Machine Gray Metallic (Extra Cost Option)

Soul Red Crystal Metallic (Extra Cost Option)

GRAND TOURING



ENGINE & MECHANICAL

ENGINE TYPE	SKYACTIV®-G ¹ 2.0L DOHC 16-valve 4-cylinder with VVT
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MINIMUM OCTANE REQUIREMENT	Regular unleaded, 87 octane or greater
VALVETRAIN	Chain-driven dual overhead cams, 4 valves per cylinder with variable intake valve timing (VVT)
IGNITION SYSTEM	Distributor-less ignition
ENGINE BLOCK	Aluminum alloy
CYLINDER HEAD	Aluminum alloy
EMISSION CONTROL (50 STATE EMISSIONS)	ULEV / Tier2 Bin5

EPA-ESTIMATED FUEL ECONOMY

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- ABS	4-wheel, 4-channel with Electronic Brake Force Distribution (EBD) and Brake Assist	
STEERING TYPE	Rack-and-pinion	
POWER ASSIST	Double pinion electric power assist (DP-EPAS)	
OVERALL STEERING RATIO	15.5:1	
STEERING WHEEL TURNS, LOCK-TO-LOCK	2.7	
TURNING CIRCLE DIAMETER, CURB-TO-CURB (FT)	30.8	
SUSPENSION	4-wheel independent	
- FRONT	Double wishbone with aluminum control arms and monotube dampers	
- REAR	Multi-link with aluminum bearing support and monotube dampers	
- SHOCK TOWER BRACE (FRONT)	(MT only)	
- DAMPERS	Bilstein® (MT only)	
WHEEL SIZE (IN)	17 x 7 aluminum alloy wheels in Metallic Black finish	
TIRE SIZE AND TYPE	P205/45 R17 high-performance tires	

WEIGHTS & CAPACITIES

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EXTERIOR FEATURES

LED Headlights

Auto on/off headlights

LED Taillights

LED Daytime Running Lights

Adaptive Front-lighting System

Adaptive Front-lighting System

High Beam Control

Body-colored front, rear bumpers and door handles

Aluminum hood

Aluminum trunk lid

Solar-control/tinted windshield

Rain-sensing variable-intermittent windshield wipers

Power retractable fastback roof in body color with black accents

Body-colored heated power side mirrors

Auto-dimming driver's side mirror

Glass rear window

Rear-mounted mast and trunk-mounted "shark fin" antenna

Trunk light

INTERIOR

INTERIOR DIMENSIONS & CAPACITIES

HEADROOM (IN)	36.8
SHOULDER ROOM (IN)	52.2
HIP ROOM (IN)	52.0
LEGGROOM (IN)	43.1
CARGO VOLUME (CU FT)	4.48

COMFORT & CONVENIENCE

Automatic climate control

Power windows with driver and passenger one-touch-down feature

Glass rear window with defogger

Side window demisters

Power door locks with speed sensor

Cruise control

Mazda Advanced Keyless Entry System

Push button ignition

Remote trunk lid release

Auto-dimming rearview mirror with HomeLink® 3

Tilt & telescoping steering column

Driver and passenger vanity mirrors

Courtesy overhead light with dimming

12-volt power outlet

Transparent wind blocker

STORAGE

2 removable cup holders

Locking rear center console

Driver and passenger back panel covered storage

SEATING & TRIM

2-passenger seating capacity

Bucket seats with reclining and forward/back slide feature

Driver's side seat tilt adjustment

Integrated headrests

Heated seats with 3 heat settings

Leather-trimmed seats

Piano Black seat back bar trim

Body-colored upper door trim

Leather-wrapped 3-spoke steering wheel

Leather-wrapped shift knob

Leather-wrapped parking brake handle

Padded armrests

Carpet floor mats

Driver foot rest

AUDIO & INFOTAINMENT

Bluetooth® hands-free phone and audio streaming capability⁴

Apple CarPlay integration*

Android Auto integration*

Bose® 9-speaker audio system with AudioPilot®, driver and passenger headrest speakers and subwoofer

Speed-sensing automatic volume control

MAZDA CONNECT™ Infotainment System⁵

- 7" full color touch screen

- Multi Function Commander Control

- Infotainment system voice command

- Radio Broadcast Data System program information

- HD Radio™

- Aha™, Pandora®, Stitcher™ internet radio integration

- SMS text message audio delivery and reply

- E911 automatic emergency notification

Mazda Navigation System

SiriusXM Satellite radio with 3-month subscription⁶

SiriusXM[®] 3-year Traffic and Travel Link subscription*
includes current information for:

- Traffic
- Weather
- Sports scores
- Fuel prices
- Nearby parking or parking by destination

Auxiliary audio input jack

2 USB audio inputs

Steering wheel-mounted audio, phone and cruise controls

INSTRUMENTATION

Full instrumentation, including tachometer, coolant temperature gauge and fuel gauge

Black gauges with white lettering

4.6-inch full-color LCD display for trip computer and roof status information

Trip computer with compass, distance to empty, average and current fuel economy

SAFETY & SECURITY

Dual front airbags⁷

Side impact airbags⁷

Side impact door beams

3-point seat belts with pretensioners and force limiters

Smart City Brake Support⁸

Blind Spot Monitoring⁹

Rear Cross Traffic Alert⁹

Lane Departure Warning¹⁰

Rearview Camera¹¹

Traffic Sign Recognition¹²

Engine immobilizer

Tire Pressure Monitoring System (TPMS)

OPTIONS

Machine Gray Metallic (Extra Cost Option)

Soul Red Crystal Metallic (Extra Cost Option)

Snowflake White Pearl Mica (Extra Cost Option)

Red Nappa leather-trimmed seats (Extra Cost Option)

Red Nappa leather-trimmed seats and Snowflake White Pearl Mica (Extra Cost Option)

Red Nappa leather-trimmed seats and Machine Gray Metallic (Extra Cost Option)

WARRANTY

Every new Mazda comes with a comprehensive limited warranty that provides coverage in the unlikely event a repair is needed in the first years after your vehicle's purchase. We'll be right there with you all the time, wherever you go by providing warranty coverage and roadside assistance so that the total enjoyment of driving a Mazda never stops.

2020 Mazda Vehicles:

Mazda Limited Warranty Coverage:

3-year/36,000-mile*	"Bumper-to-Bumper" Limited Warranty
5-year/60,000-mile*	Limited Powertrain Warranty
3-year/36,000-mile*	24/7 Roadside Assistance Program

*Whichever comes first. See dealer for details.

BUMPER-TO-BUMPER LIMITED WARRANTY

Mazda warrants that new Mazda cars and trucks will be free of defects with normal use and prescribed maintenance for 36 months or 36,000 miles, whichever comes first. Ordinary maintenance items or adjustments, parts subject to normal wear and replacement and certain other items are excluded. This transferable "limited warranty" is included on all new Mazda vehicles sold and serviced in the United States.

POWERTRAIN LIMITED WARRANTY

Mazda warrants that the Powertrain Components of new Mazda cars and trucks will be free of defects with normal use and prescribed maintenance for 60 months or 60,000 miles, whichever comes first. Ordinary maintenance items or adjustments, parts subject to normal wear and replacement and certain other items are excluded. This "limited warranty" is transferable during the warranty period on all new Mazda vehicles sold and serviced in the United States.

24/7 ROADSIDE ASSISTANCE

If Mazda vehicle is not drivable due to a warranted part failure during the coverage period of the New Vehicle Limited Warranty (36 months/36,000 miles), towing service will be covered to the nearest Mazda Dealer. In addition, if a Mazda vehicle is not drivable due to the failure of a warranted powertrain component, then towing service will be covered during the coverage period of the Limited Powertrain Warranty (60 months/60,000 miles).

Call 1-800-866-1998



Or [download](#) the free Mazda Assist mobile app to your iPhone®*.

* iPhone is a registered trademark of Apple, Inc.

DISCLAIMERS

Product Changes and Options Availability: Following publication of this website, certain changes in standard equipment, options, prices and the like, or product delays may have occurred which would not be included here. Your Mazda Dealer is your best source for up-to-date information. Mazda reserves the right to change product specifications at any time without incurring obligations. Options shown or described on this website are available at extra cost and may be offered only in combination with other options or subject to additional ordering requirements or limitations.

1: SKYACTIV is a registered trademark of Mazda Motor Corporation.

2: EPA-estimated mileage. Actual results will vary.

3: HomeLink is a registered trademark of Gentex Corporation.

4: Bluetooth is a registered trademark of Bluetooth SIG, Inc.

5: Don't drive while distracted. Even with voice commands, only use MAZDA CONNECT™/ other devices when safe. Some features may be locked out while the vehicle is in motion. Not all features are compatible with all phones. Message and data rates may apply.

6: SiriusXM Satellite Radio reception requires a subscription and Mazda satellite radio. Subscriptions to SiriusXM services are sold by SiriusXM after a 3-month trial subscription to the SiriusXM All Access package expires and are continuous until you call SiriusXM at 1-866-635-2349 to cancel. See SiriusXM Customer Agreement for complete terms at www.siriusxm.com. Sirius satellite service available only to those at least 18 and older in the 48 contiguous USA, DC, and P.R. (with coverage limitations). Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.

7: Always wear your seat belt and ensure that the passenger airbag deactivation light is illuminated when using a child-seat or infant restraint system. Please see your Owner's Manual for details.

8: Smart City Brake Support operates under certain low-speed conditions between about 2 and 18 mph. It is not a substitute for safe and attentive driving. Factors including movement and shape of the object in front of the vehicle, weather and road conditions can all impact automatic stopping. Please see your Owner's Manual for further details.

9: Always check your mirrors. Be aware of the traffic around you. There are limitations to the range and detection of the system. Please see your Owner's Manual for further details.

10: Lane Departure Warning are not a substitute for safe and attentive driving. There are limitations to the range and detection of the system. Please see your Owner's Manual for further details.

11: Rearview Camera does not provide a comprehensive view of the entire rear area of this vehicle. Always check your surroundings.

12: Traffic Sign Recognition System is not a substitute for safe and attentive driving. Factors including weather and condition of the traffic sign can impact recognition and display of the sign. Always check traffic signs visually while driving. Please see your Owner's Manual for further details.