



2020 MAZDA CX-9

SPECIFICATIONS & FEATURES





2020 MAZDA CX-9

SPECIFICATIONS & FEATURES

PRODUCTION TIMING

JOB 1: SEPTEMBER 2019

MODEL LINE-UP

ENGINE	MODEL
SKYACTIV-G 2.5 T	GS AWD
SKYACTIV-G 2.5 T	GS-L AWD
SKYACTIV-G 2.5 T	GT AWD
SKYACTIV-G 2.5 T	SIGNATURE AWD

CONTENTS

PAGE(S)

2020 Mazda CX-9	MSRP Pricing	2
2020 Mazda CX-9	Vehicle Highlights	3-5
2020 Mazda CX-9	Colour and Trim Guide	6
2020 Mazda CX-9	Specifications	7-8
2020 Mazda CX-9	Equipment Walk	9-10
2020 Mazda CX-9		

* Information contained herein is subject to change without notice.*



MAZDA CANADA INC.
 Product Strategy & Development
 55 Vogell Road
 Richmond Hill, ON. L4B 3K5

2020 MAZDA CX-9

MSRP PRICING

Effective Date: October 25, 2019

Trim	Trans	Drive	Engine	Description	MSRP
GS	6AT	AWD	2.5L I4 T		\$39,900
GS-L	6AT	AWD	2.5L I4 T		\$43,300
	6AT	AWD	2.5L I4 T	Captain's Chairs	\$43,600
GT	6AT	AWD	2.5L I4 T		\$48,500
	6AT	AWD	2.5L I4 T	Captain's Chairs	\$48,800
Signature	6AT	AWD	2.5L I4 T		\$51,500
Freight & PDE for all models					\$1,895

Note: \$100 air conditioning surcharge is excluded from applicable vehicle prices

T= Dynamic Pressure Turbo

Options	Available On	MSRP
Captain's chairs package (6-seating capacity)	GS-L/GT	\$300
Snowflake White Pearl	All models	\$200
Machine Grey Metallic	All models	\$300
Soul Red Crystal Metallic	All models	\$450

2020 MAZDA CX-9

VEHICLE HIGHLIGHTS

KEY FUNCTIONAL CHANGES

- The 2020 Mazda CX-9 introduces a dynamic quality improvement with the new G-Vectoring Control Plus (GVC Plus). The GVC Plus adds stability on corner exit, by influencing vehicle yaw through the DCS program.

DROPPED, MOVED, NEW FEATURES (NEW ARE DENOTED IN BOLD) VERSUS 2019 MAZDA CX-9**GS GRADE:**

- **G-Vectoring Control Plus (GVC Plus)**
- Electronic Parking Brake (EPB) with **Autohold function**
- 18-inch alloy wheels (dark grey high lustre metallic) - colour update
- 320 ft-lb of torque (with 93 octane fuel)
- Front Wheel Drive (FWD) has been dropped from the line-up
- **Off-Road traction assist**

GS-L GRADE:

- **9-inch colour touchscreen display with Mazda Connect**
- 20-inch alloy wheels (silver metallic) - colour update
- **One touch switch for power operated 3rd row ingress/egress**
- **Second row Captain's chairs (optional)**

GT GRADE:

- **Satin chrome plated glove box lever**
- **Power rear liftgate (programable height adjustable) with hands free access**
- **1 Additional USB port in the 3rd row**
- **One touch switch for power operated 3rd row ingress/egress**
- **Second row Captain's chairs (optional)**

SIGNATURE GRADE:

- 20-inch alloy wheels (gunmetal) - colour update
- **Second row Captain's chairs with premium centre console armrest with storage compartment**

EXTERIOR COLOURS:

- Soul Red Crystal Metallic (46V) is now available on Signature trim
- Deep Crystal Blue Mica (42M) is now available on Signature trim

INTERIOR COLOURS:

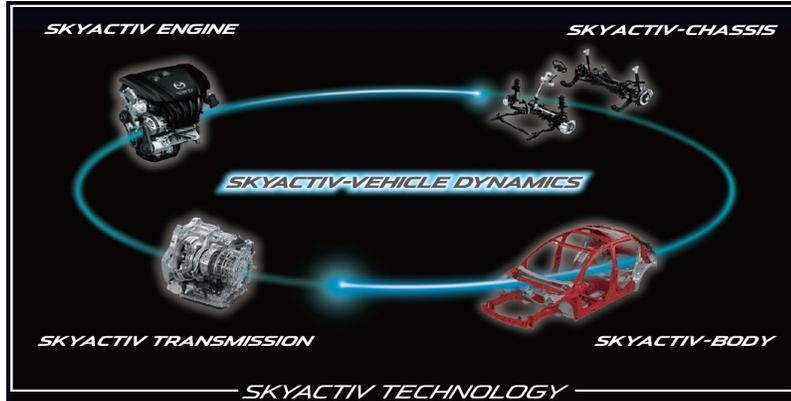
- **New colour of Nappa leather upholstery available on Signature trim - Deep Chestnut (TC9)**
- **New colour of Nappa leather upholstery available on Signature trim - Pure White (TD0)**
- Chroma Brown Nappa leather upholstery has been dropped from the line-up

G-VECTERING CONTROL (GVC)

WHY

PROGRESSION OF THE JINBA-ITTAI PHILOSOPHY

Mazda aims to offer vehicles that provide driving pleasure and enrich the lives of their owners. We have achieved this through the pursuit of Jinba-Ittai, a feeling of unity between driver and vehicle. GVC is the first technology within Skyactiv-Vehicle Dynamics, and is part of the Skyactiv series of technologies. Skyactiv-Vehicle Dynamics was conceived to integrate control of the engine, transmission, chassis and body to enhance the car's Jinba-Ittai feel; a sense of connectedness between car and driver that differentiates Mazda vehicles from others.



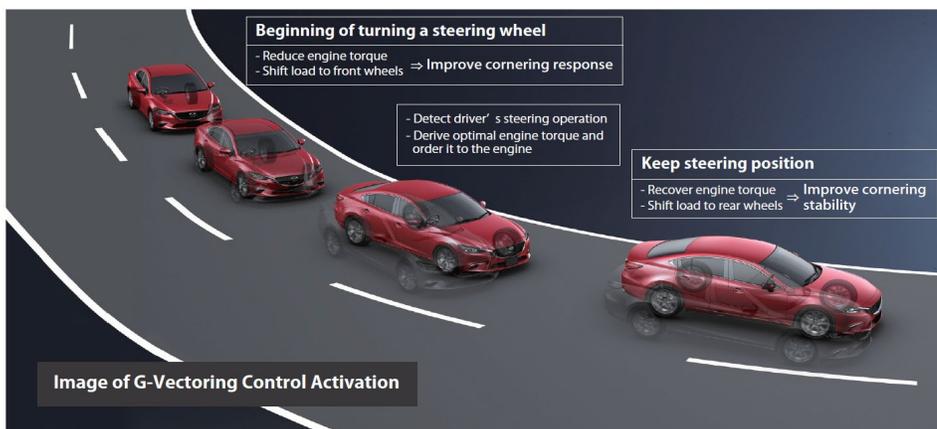
HOW

ENHANCING CHASSIS PERFORMANCE USING THE SKYACTIV ENGINE

GVC is only possible thanks to the existence of Skyactiv engines, which enable precise control of drive torque, and the Skyactiv-Chassis, which facilitates ideal vehicle behavior. GVC maximizes tire performance by focusing on the vertical load on the tires. The moment the driver starts to turn the steering wheel, GVC controls engine drive torque to generate a deceleration G-force, thereby shifting load to the front wheels. This increases front-wheel tire grip, enhancing the vehicle's turn-in responsiveness.

Thereafter, when the driver maintains a constant steering angle, GVC immediately recovers engine drive torque, which transfers load to the rear wheels, enhancing vehicle stability.

This series of load transfers extracts much more grip from the front and rear tires, improving vehicle responsiveness and stability according to the driver's intentions.



A NATURAL CONTROL EFFECT BASED ON A HUMAN-CENTERED DEVELOPMENT PHILOSOPHY

Mazda studied the biomechanical relationship between the human and a vehicle in operation in order to tune the system to maximize a smooth interaction. The reaction rate and amount of control has been aligned with human sensibilities.

BENEFITS OF GVC

CONFIDENCE INCREASES AS THE CAR BEHAVES MORE IN LINE WITH DRIVER EXPECTATIONS

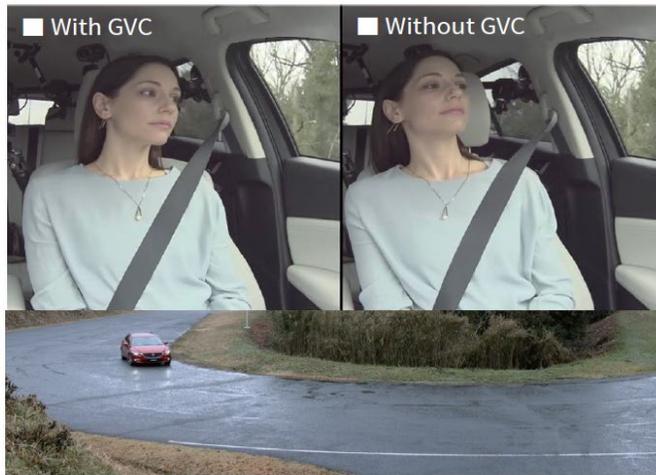
The driver operates the steering wheel to keep the vehicle within its lane whether driving in a straight line or cornering. However, due to irregularities and undulations in the road surface, the vehicle does not always travel along the expected line, forcing the driver to make corrections with the steering wheel.

Since GVC provides enhanced response to slight steering wheel operations, it greatly reduces the size and frequency of steering corrections.

Because GVC simultaneously enhances handling and stability by optimizing the vertical load on the tires depending on driving conditions, it demonstrates even greater effectiveness in rain and snow and on poor road surfaces.

GVC is also effective at reducing fatigue for both driver and passenger. Fatigue steadily builds up as the driver continues to make minor steering corrections. Since GVC helps alleviate these corrections, it reduces accumulated fatigue over long distances. And by smoothing the transitions between G forces, GVC suppresses the swaying of head and body experienced by vehicle occupants, enabling them to enjoy a more comfortable drive.

Reduction in torso-sway with GVC



* In-house passenger seat comparison of left-hand turn at 30 km/h (lateral acceleration of 0.4 G)

Moving forward, Mazda plans to deploy GVC in most of its new-generation vehicles.

G-VECTORING CONTROL PLUS (GVC PLUS)

Newly added to the smooth and efficient vehicle behaviour delivered by G-Vectoring Control (GVC) is braking control. This further improves vehicle behaviour for even easier control and greater reassurance when changing lanes on the highway, or maneuvering to avoid emergency situations or to counter slippery road conditions on snowy roads.

Applying just a hint of braking to the outer tires when returning the steering wheel to its neutral position while cornering increases the stability of the direction of yaw movement. Because the steering wheel angle is also reduced in the process, it helps maintain a stable vehicle posture for easier, more predictable handling in such situations.



The car leans very little and the steering wheel returns quickly for reassuring and predictable handling



The car leans more, causing worry, and the steering wheel angle is large, so handling is less predictable

2020 MAZDA CX-9

COLOUR AND TRIM GUIDE

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 below are an exact equivalent.

Exterior Colours	INTERIOR COLOUR AND TRIM						
	GS	GS-L		GT		Signature	
	Cloth	Leather		Leather		Nappa Leather	
	Black	Black	Beige	Black	Beige	Deep Chestnut	Pure White
Snowflake White Pearl	•	•	•	•	•	•	
Soul Red Crystal Metallic	•	•	•	•	•	•	•
Jet Black Mica	•	•	•	•	•	•	•
Deep Crystal Blue Mica	•	•		•	•		•
Titanium Flash Mica	•	•	•	•	•		
Sonic Silver Metallic	•	•		•		•	
Machine Grey Metallic	•	•		•	•	•	•

EXTERIOR COLOURS[†]



[†]QXTM80 AA00 model shown

INTERIOR COLOURS*

GS (Cloth)



GS-L (Leather)



GT (Leather)



SIGNATURE (Nappa Leather)



*Upholstery depicted may not be exactly as shown

ENGINE

Type	SKYACTIV-G 2.5 T 4-cylinder with Dynamic Pressure Turbo (DPT)
Valve train	DOHC 16-valve
Displacement	2,488 cc
Bore and stroke	89.0 mm x 100.0 mm
Compression ratio	10.5: 1
Horsepower SAE net	250 @ 5,000 rpm (with 93 octane fuel) 227 @ 5,000 rpm (with 87 octane fuel)
Torque SAE net lb-ft	320 @ 2,000 rpm (with 93 octane fuel) 310 @ 2,000 rpm (with 87 octane fuel)
Redline	6,300 rpm
Fuel system	Direct injection
Recommended fuel	Regular unleaded
Emissions	Tier3-Bin70

DRIVETRAIN

Type	All-wheel drive
AWD system	i-ACTIV AWD (all-wheel drive)
Transmission	6-speed SKYACTIV-Drive automatic transmission with manual-shift mode and Drive Selection switch

Engine		SKYACTIV-G 2.5 T
Drive type		AWD
Transmission		6AT
Gear ratios	1 st	3.487
	2 nd	1.992
	3 rd	1.449
	4 th	1.000
	5 th	0.707
	6 th	0.600
	Reverse	3.990
	Final drive	4.411

ELECTRICAL SYSTEM

Battery	75D23L
Alternator	12V - 150A
Starter	12V; 1.4kW
Ignition system	DLI (Distributor-less Ignition)

CHASSIS

Front suspension	Independent, MacPherson Strut type with coil springs and stabilizer bar
Rear suspension	Independent, Multi-Link type with coil springs and stabilizer bar
Steering	Rack and pinion type with engine-rpm-sensing variable power assist
Steering ratio	17.6 : 1
Steering wheel turns	3.1 (lock to lock)
Minimum turning circle	11.8 m (curb to curb diameter)
Brakes	Power-assisted with dual diagonal hydraulic circuits Anti-lock Braking System (ABS) with Electronic Brake Force Distribution (EBFD) 320 mm ventilated front discs 325 mm solid rear discs

CHASSIS (cont.)

Wheels	18" alloy wheels on GS (dark grey high lustre metallic) 20" alloy wheels on GS-L / GT (silver metallic) 20" alloy wheels on Signature (gunmetal)
Tires	255/60R18 all-seasons on GS 255/50R20 all-seasons on GS-L / GT and Signature
Spare Tires	T155/90D17 101M
Curb weight	1,990 kg (AWD)

CAPACITIES

Seating	7 (on GS, GS-L and GT) 6 (on GS-L and GT with Captain's chairs / Signature)
Fuel tank	74 L (AWD)
Engine oil capacity	4.8 L (w/ oil filter)
Coolant capacity	9.9 L
Washer fluid tank	4.2 L

EXTERNAL DIMENSIONS (MM)

Wheelbase	2,930
Track (fr/rr)	1,659 / 1,656
Overall length	5,065 (w/ license plate holder)
Overall width	1,969 2,207 (mirror to mirror)
Overall height	1,716 w/o shark fin antenna (unladen) 1,753 w/shark fin antenna (unladen)
Ground clearance	216 (laden) / 224 (unladen)

INTERNAL DIMENSIONS (MM)

Headroom (fr/rr1/rr2)	998 / 978 / 899 (w/o Moonroof) 1,019 / 978 / 899 (w/ Moonroof)
Legroom (fr/rr1/rr2)	1,041 / 1,001 / 754
Shoulder room (fr/rr1/rr2)	1,471 / 1,476 / 1,349
Hiproom (fr/rr1/rr2)	1,440 / 1,458 / 1,019

CARGO VOLUME

Cargo Volume (SAE)	2,017 L (Behind front seats) 1,082 L (Behind middle seats) 407 L (Behind rear seats)
Passenger volume	3,825 L (w/o Moonroof); 3,846 L (w/Moonroof)

FUEL ECONOMY RATINGS (L/100KM)

	AWD
City	11.6
Highway	9.1

TOWING CAPACITY

Towing capacity	1,588 Kg (3,500 lbs)
------------------------	----------------------

GS (\$39,900)	
ENGINE AND MECHANICAL	EXTERIOR (cont.)
SKYACTIV-G 2.5 T 4-cylinder turbo engine	Noise-isolating glass (driver and front passenger windows)
Dynamic Pressure Turbo (DPT)	Green tint glass with UV shield
Horsepower = 227 (250 using premium grade fuel)	AWD badge on liftgate
Torque = 310 (320 using premium grade fuel)	
SKYACTIV-AT 6-speed automatic transmission with manual shift mode and drive selection switch	INTERIOR: AUDIO & CONNECTIVITY
i-ACTIV AWD	7" colour touchscreen display with Mazda Connect
Off-Road traction assist	HMI Commander switch
G-Vectoring Control Plus (GVC Plus)	AM/FM/HD radio with 6 speakers
	Apple CarPlay™ and Android Auto™
	2 USB ports and auxiliary audio input
SUSPENSION AND BRAKES	Steering wheel mounted Bluetooth® and audio controls
Power-assisted four-wheel disc brakes	Bluetooth® with Audio Profile
Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)	Navigation-ready (<i>requires navigation SD card accessory</i>)
Front suspension: Independent, MacPherson Strut type with coil springs and stabilizer bar	Aha™ internet radio functionality
Rear suspension: Independent, multi-link type with coil spring and stabilizer bar	Stitcher™ internet radio functionality
Rack-and-pinion steering with engine-speed-sensing variable power assist	SMS text message functionality
TIRES AND WHEELS	INTERIOR: COMFORT & CONVENIENCE
18-inch alloy wheels (dark grey high lustre metallic)	3-zone automatic climate control
255/60R18 tires	Rear A/C display
Tire Pressure Monitoring System (TPMS) - direct type	Rear heater ducts
Temporary spare tire	Push Button Start
	Electronic Parking Brake (EPB) with Autohold function
SAFETY AND SECURITY	Cruise control with steering wheel mounted controls
Smart City Brake Support (SCBS)	Tilt and telescopic steering wheel
Advanced Blind Spot Monitoring (ABSM)	Power windows one-touch up and down (front and rear)
Rear Cross Traffic Alert (RCTA)	Illuminated window switches
Mazda Radar Cruise Control with Stop&Go function (MRCC with Stop&Go function)	Keyless entry
Smart Brake Support (SBS)	Day / night rearview mirror
Pedestrian Detection (Forward sensing)	Power door locks (speed sensing)
Distance Recognition Support System (DRSS)	Driver's and passenger's sunvisors with covered vanity mirrors and extension
Forward Sensing Warning (FOW)	Rear center armrest
Lane Keep-assist System (LAS)	Illuminated entry
Lane Departure Warning System (LDWS)	Front door courtesy lamp
High Beam Control system (HBC)	Room lamp
Rearview camera (wide angle)	Cargo area light
Dynamic Stability Control (DSC)	Remote fuel door release
Traction Control System (TCS)	12-volt power outlet (2)
Trailer Stability Assist (TSA)	
Roll Stability Control (RSC)	INTERIOR: SEAT & INTERIOR TRIM
Hill Launch Assist (HLA)	High grade cloth upholstery
Dual front, side and curtain airbags	Leather-wrapped steering wheel
Roll-over sensor for air curtains	Leather-wrapped shift knob
Front seat belt ELR pretensioners	Heated front seats (three position adjustable)
Child-safety rear door locks	8-way power driver's seat (includes power driver's lumbar support)
Integrated rear seat child safety seat lower anchors & upper tethers	Manual 4-way adjustable passenger seat
3-point safety belts for all occupants	Folding 60/40 second row rear seat and 50/50 third row seat
Height adjustable front and rear seat head restraints	Reclining and sliding second row seats
Height adjustable front seat belts	Custom-fitted floor mats with vehicle nameplate embroidery
Front active head restraints	Door handles (front and rear) - satin chrome
Engine immobilizer theft deterrent system	Painted dash strip trim
	Painted centre panel (Piano Black)
EXTERIOR	Painted door switch panel (Piano Black)
LED headlights	Driver and passenger single seatback pockets
LED daytime running lights	6-seat capacity
LED rear combination tail lights	
Automatic headlights - on/off	INSTRUMENTATION
Automatic levelling headlights	Trip computer
Body-coloured door handles	Tachometer
Body coloured rear roof spoiler	Exterior temperature gauge
High mount stop light	Gauge illumination dimming control
Manual foldable door mirrors	Warning lights for low windshield washer fluid level, low fuel level, door ajar, check engine, oil pressure, parking brake, high beam and safety belts
Power, heated, body-coloured exterior mirrors with integrated side turn signal indicators	Colour Multi-information Display (MID)
Exterior B and C pillar garnish in black	
Satin-finish front grille inserts	STORAGE
Adjustable intermittent rain sensing wipers	Overhead console with sunglass holder
Intermittent rear wipers	Front center console with armrest and storage
Rear window defroster	2 Cup holders in 1st row centre console
Chrome tail pipe garnish (dual outlet style)	2 Cup holders in 2nd row centre console
Privacy glass on rear door glass, quarter glass and rear gate glass	4 Cup holders in 3rd row (2 in each quarter trim panel)
Noise-isolating windshield	Door storage pockets with bottle holders
	Concealed luggage compartment storage box

GS-L (\$43,300)	
Includes the following features in addition to or in place of CX-9 GS:	
TIRES AND WHEELS 20-inch alloy wheels (silver metallic) 255/50R20 tires	INTERIOR: COMFORT & CONVENIENCE Rear center armrest with integrated storage Automatic dimming rearview mirror Driver's and passenger's sunvisors with illuminated covered vanity mirrors and extensions Advanced keyless entry (proximity and ignition)
EXTERIOR Power rear liftgate (programmable height adjustable) Power-operated glass moonroof with interior sunshade, tilt-up ventilation feature, one-touch open feature LED fog lights Exterior B and C pillar garnish in piano black Front wiper de-icer	INTERIOR: SEAT & INTERIOR TRIM Leather upholstery 10-way power driver's seat (includes power driver's lumbar support) Power 4-way passenger seat Heated second row seats (outboard seats only / three position adjustable) Heated steering wheel Driver and passenger double seatback pockets Lined glove box One touch switch for power operated 3rd row ingress/egress
INTERIOR: AUDIO & CONNECTIVITY 9" colour touchscreen display with Mazda Connect 2 Additional USB ports in rear armrest	

GS-L OPTION	
Captain's Chairs Package* (\$300)	
Second row Captain's chairs	6-seat capacity
Heated second row seats	*Deletes one touch switch for power operated 3rd row ingress/egress

GT (\$48,500)	
Includes the following features in addition to or in place of CX-9 GS-L:	
SAFETY AND SECURITY 360° View Monitor Front and rear parking sensors Windshield-projected colour Active Driving Display (ADD) Traffic Sign Recognition System (TSR) Adaptive Front-lighting System (AFS)	INTERIOR: COMFORT & CONVENIENCE HomeLink® wireless control system Rear door sunshades (retractable) 2 Cup holders in front row centre console with bright ring detail
EXTERIOR Power rear liftgate (programmable height adjustable) with hands free access Bright-finish lower body trim LED front and rear signature lighting LED license plate	INTERIOR: SEAT & INTERIOR TRIM Ventilated front seats (three position adjustable) Power 8-way passenger seat (includes power passenger's lumbar support) Driver's seat memory function (2 memory settings) LED illumination for overhead console Black interior roof lining Aluminum upper door panel trim Aluminum dash strip trim Satin chrome plated power seat switches All doors LED courtesy lamp LED illumination for front door pull handle and power window switches LED room lamp Painted door switch panel (Veiled Grey) Painted centre panel (Veiled Grey) Satin chrome plated glove box lever One touch switch for power operated 3rd row ingress/egress
INTERIOR: AUDIO & CONNECTIVITY Bose® premium sound system with AM/FM/HD Radio 12-Bose® speakers with Centerpoint® 2 Surround Technology and AudioPilot® 2 Noise Compensation Technology, including 9 channels of customized equalization and SurroundStage® Signal Processing Navigation system SiriusXM™ Satellite Radio (includes complimentary 3-month trial subscription) SiriusXM Traffic Plus and Travel Link® services (includes complimentary 5-year subscription) (Current information for; Traffic, weather, sport scores and fuel prices) 1 Additional USB port in the 3rd row	INSTRUMENTATION Meter-set with 7" LCD display

GT OPTION	
Captain's Chairs Package*(\$300)	
Second row Captain's chairs	6-seat capacity
Heated second row seats	*Deletes one touch switch for power operated 3rd row ingress/egress

SIGNATURE (\$51,500)	
Includes the following features in addition to or in place of CX-9 GT:	
EXTERIOR 20-inch alloy wheels (gunmetal) 255/50R20 tires Signature grille illumination	INTERIOR: SEAT & INTERIOR TRIM Nappa leather upholstery with premium stitching detail Premium cross stitching detail on steering wheel Wood trimmed centre console panel (Santos Rosewood) Wood trimmed door switch panel (Santos Rosewood) Second row Captain's chairs* with premium centre console armrest with storage compartment 6-seat capacity LED illumination for A/T shifter area accent lighting
INTERIOR: COMFORT & CONVENIENCE Frameless rearview mirror (auto-dimming and Homelink® wireless control system) *Deletes one touch switch for power operated 3rd row ingress/egress	



Product changes and options availability: Following publication of this guide, certain changes in equipment, options, specifications, prices and other information may have occurred which would not be reflected in these pages. All information included in this guide is based upon the available information at the time of publication. Although such information is believed to be correct at the time of publication, accuracy cannot be guaranteed. Mazda reserves the right, at any time without providing any further notice or incurring any obligations, to correct any errors, inaccuracies or omissions that may exist in this guide, as well as to make changes to any of the information included in this guide.