



2024 MAZDA CX-50 SPECIFICATIONS & FEATURES





2024 MAZDA CX-50

SPECIFICATIONS & FEATURES

PRODUCTION TIMING
JOB 1: JULY 2023

MODEL LINE-UP									
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ENGINE	MODEL								
SKYACTIV-G 2.5	GS-L AWD 6AT								
SKYACTIV-G 2.5 CD	GT AWD 6AT								
SKYACTIV-G 2.5 T	GT AWD 6AT								
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* Information contained herein is subject to change without notice*



2024 MAZDA CX-50

MODEL LINE-UP / MSRP

Effective Date: July 1, 2023

Trim	Trans	Drive	Engine	Description	MSRP
GS-L	6AT	AWD	2.5L I4 CD		\$39,300
GT	6AT	AWD	2.5L I4 CD		\$44,250
	6AT	AWD	2.5L I4 T		\$46,750
Meridian Edition ²	6AT	AWD	2.5L I4 T		\$49,250
	6AT	AWD	2.5L I4 T	APEX Package	\$50,650
Freight & PDE for all models					\$2,095

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

¹These models will be introduced in the winter of 2024. More detailed timing will be communicated at a later date.²Terracotta Leather interior is no additional charge to the Meridian Edition MSRP as listed above

CD = Cylinder Deactivation

T = Twin Scroll Turbocharger

Options	Available On	MSRP
SKYACTIV-G 2.5 T, i-stop	GT	\$2,500
Wind Chill Pearl	GS-L/GT	\$300
Polymetal Grey Metallic	All models	\$300
Zircon Sand Metallic	All models	\$300
Machine Grey Metallic	GS-L/GT	\$400
Soul Red Crystal Metallic	GS-L/GT	\$500
Ash Ochre Leatherette interior (available with select exterior colours only)	GS-L	\$250
Terracota Leather interior (available with select exterior colours only)	GT	\$250

Apex Package (only available with Meridian Edition)	Roof Platform, Front and Rear Splash Guards, and Black Crossbars
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2024 MAZDA CX-50

VEHICLE HIGHLIGHTS

KEY CHANGES VERSUS 2023 MAZDA CX-50

All instances of equipment deployment remain as carryover from 23MY.

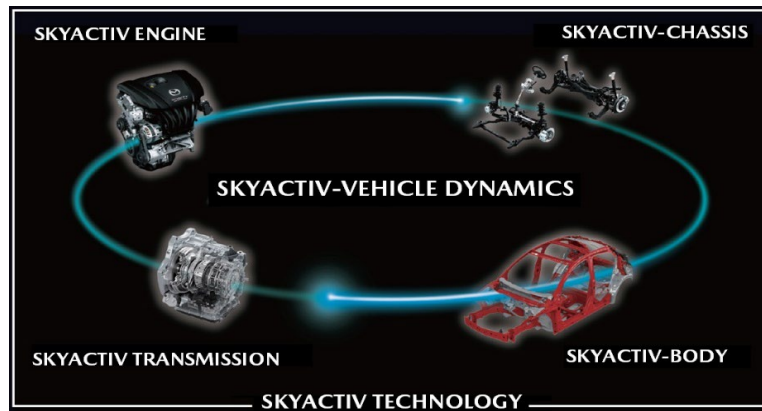
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VEHICLE HIGHLIGHTS

G-VECTORING CONTROL (GVC)

WHY**PROGRESSION OF THE JINBA-ITTAI PHILOSOPHY**

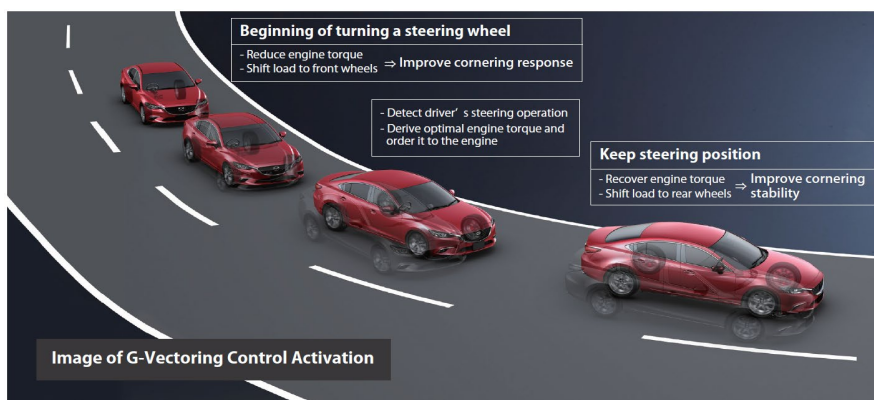
Mazda aims to offer vehicles that provide driving pleasure and enrich the lives of their owners. We have achieved this through the pursuit of Jinba-Ittai, a feeling of unity between driver and vehicle. GVC is the first technology within Skyactiv-Vehicle Dynamics, and is part of the Skyactiv series of 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.

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VEHICLE HIGHLIGHTS

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

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EXTERIOR/INTERIOR COLOUR 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	INTERIOR UPHOLSTERY AND COLOUR					
	GS-L		GT		Meridian Edition	Apex Package
	Leatherette		Leather			
Paint Finish	Black	Ash Ochre	Black with Camel stitching	Terracotta with Orange stitching		
Jet Black Mica	■	■	■	■		
Ingot Blue Metallic	■	■	■			
Wind Chill Pearl	■		■	■		
Zircon Sand Metallic	■		■	■	■	■
Machine Grey Metallic	■	■	■	■		
Polymetal Grey Metallic	■		■		■	■
Soul Red Crystal Metallic	■	■	■	■		

PAINT FINISH¹

Jet Black Mica



Ingot Blue Metallic



Wind Chill Pearl



Zircon Sand Metallic



Machine Grey Metallic



Polymetal Grey Metallic



Soul Red Crystal Metallic



2024 MAZDA CX-50

EXTERIOR/INTERIOR COLOUR GUIDE

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ALLOY WHEELS



17-inch alloy wheels (black metallic)

Standard on GS-L



20-inch alloy wheels (machined spokes with polished finish and dark painted pockets)

Standard on GT



18" alloy wheels (black metallic)

Standard on Meridian Edition

INTERIOR UPHOLSTERY AND COLOUR



Black



Ash Ochre



Black with Camel Stitching



Terracotta with Orange Stitching

2024 MAZDA CX-50

SPECIFICATIONS

ENGINE		
	GS-L/GT	GT (optional) / Meridian Edition
Type	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T with Twin Scroll Turbocharger, i-stop
Valve train	DOHC 16-valve	DOHC 16-valve
# of cylinders / configuration	4 / in-line	4 / in-line
Displacement	2,488 cc	2,488 cc
Compression ratio	13.0 : 1	10.5: 1
Horsepower SAE net	187 @ 6,000 rpm	256 @ 5,000 rpm (with 93 octane fuel) 227 @ 5,000 rpm (with 87 octane fuel)
Torque SAE net lb-ft	186 @ 4,000 rpm	320 @ 2,500 rpm (with 93 octane fuel) 310 @ 2,000 rpm (with 87 octane fuel)
Redline	6,500 rpm	6,300 rpm
Fuel system	Gasoline direct injection	Gasoline direct injection
Recommended fuel	Regular (unleaded)	Regular (unleaded)

CHASSIS		
Front suspension	Independent, MacPherson Strut type with coil springs and stabilizer bar	
Rear suspension	Torsion beam	
Steering	Rack and pinion column assist-type electric power steering	
Minimum turning circle	11m (curb to curb diameter)	
Brakes	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
	Anti-lock Braking System (ABS) with Electronic Brake Force Distribution (EBFD)	
	326 mm ventilated front discs	
	325 mm solid rear discs	
Curb weight (kg)	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
	1,717	1,777

CAPACITIES		
Seating	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
	5	
	60 L	
	4.2 L	
Fuel tank		
Washer fluid tank		

EXTERNAL DIMENSIONS



Wheelbase: 2,815 mm

Overall length: 4,720 mm (w/license plate holder)

Overall height (mm):
w/shark fin antenna
1,613 - 17 inch wheels
1,619 - 18 inch wheels
1,622 - 20 inch wheels



Overall width (mm)

1,920 (w/wheel arch molding)

mirror to mirror:

1,852 (mirrors folded)

2,053 (mirrors in driving position)

Track (fr/r) (mm) 1,658 / 1,662 - 17 inch wheels
1,648 / 1,652 - 18 and 20 inch wheels

Ground clearance (unladen) (mm)	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
	17 inch wheels	210
18 inch wheels	-	215
20 inch wheels	219	218

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SPECIFICATIONS

EXTERNAL DIMENSIONS (CONT.)

	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
Approach Angle	17.8° (17 inch wheels)	18.3° (18 inch wheels)
	18.5° (20 inch wheels)	18.4° (20 inch wheels)
Departure Angle	24.1° (17 inch wheels)	24.6° (18 inch wheels)
	24.8° (20 inch wheels)	24.7° (20 inch wheels)
Break-over Angle	17.7° (17 inch wheels)	18.2° (18 inch wheels)
	18.5° (20 inch wheels)	18.4° (20 inch wheels)

INTERNAL DIMENSIONS (mm)

Headroom (fr/rr)	981 / 952
Legroom (fr/rr)	1,058 / 1,012
Shoulder room (fr/rr)	1,419 / 1,361
Hiproom (fr/rr)	1,361 / 1323
Cargo length	1,082 (rear seat to liftgate)
Width at floor	1,412
Width between rear tire house	1,021
Height from floor to roof	752
Liftgate opening width	1,059
Liftgate opening height	699

CARGO VOLUME (L)

Cargo Volume (SAE)	1,595 (behind front seat)
	889 (behind rear seat)

FUEL ECONOMY RATINGS (L/100km)

	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
City	9.7	10.4
Highway	7.9	8.2
Combined	8.9	9.4

TOWING CAPABILITY

	SKYACTIV-G 2.5 with Cylinder Deactivation	SKYACTIV-G 2.5 T
Towing capability	907 kg (2,000 lbs)	1,588 kg (3,500 lb)

GS-L

ENGINE AND MECHANICAL

SKYACTIV-G 2.5 with Cylinder Deactivation
 4-cylinder / in-line engine
 Horsepower = 187 ; Torque = 186 lb-ft
 SKYACTIV-AT 6-speed automatic transmission with manual shift mode
 Mi-Drive (Sport/Off-road modes)
 i-ACTIV AWD (all-wheel drive)
 G-Vectoring Control Plus (GVC plus)
 Towing capability - 907 kg (2,000 lb)

SUSPENSION AND BRAKES

Power-assisted 4-wheel disc brakes
 Anti-lock Brake System (ABS) with Electronic Brake Force Distribution (EBFD)
 Emergency Brake Assist (EBA)
 Front suspension: Independent, McPherson Strut type with coil springs and stabilizer bar
 Rear suspension: Torsion beam
 Rack and pinion column assist-type electric power steering

TIRES AND WHEELS

17-inch alloy wheels (black metallic)
 225/65R17 all-season tires
 Tire Pressure Monitoring System (TPMS) - direct type
 Temporary spare tire - T155/90D17

SAFETY AND SECURITY

Smart City Brake Support Front (SCBS-F)
 Advanced Blind Spot Monitoring (ABSM)
 Rear Cross Traffic Alert (RCTA)
 Mazda Radar Cruise Control with Stop&Go function (MRCC with Stop&Go function)
 Smart Brake Support Front (SBS-F)
 Pedestrian Detection (forward sensing)
 Distance Recognition Support System (DRSS)
 Forward Obstruction Warning (FOW)
 Driver Attention Alert (DAA)
 Distance Speed and Alert
 Lane keep-Assist System (LAS)
 Lane Departure Warning System (LDWS)
 High Beam Control system (HBC)
 Rearview camera (wide angle)
 Dynamic Stability Control (DSC)
 Traction Control System (TCS)
 Hill Launch Assist (HLA)
 Dual front and dual side airbags
 Dual side curtain airbags
 Knee airbags (Driver and Passenger)
 3-point seat belts for all seating positions (2 front; 3 rear)
 Front and rear (outboard seats only) seat-belt pretensioners with force limiters
 Integrated child-safety-seat lower anchors & upper tether anchors
 Child-safety rear door lockouts
 Height adjustable front and rear seat head restraints
 Height adjustable front seat belts
 Engine immobilizer theft deterrent system

EXTERIOR

Power rear liftgate (programmable height adjustable)
 Power-sliding panoramic moonroof with one-touch open/close
 Roof rails
 Power-operated, heated exterior mirrors (black)
 Front wiper de-icer
 Turn signal indicators on exterior door mirrors
 Body coloured rear roof spoiler
 Body coloured door handles
 Manually foldable door mirrors
 Exterior B and C pillar garnish in black
 High mount stop light
 LED headlights
 LED daytime running lights



JXLN84 AA00 Model shown

EXTERIOR

Automatic headlights - on / off
 Adjustable intermittent rain sensing front wipers
 Intermittent rear wiper
 Rear window defroster
 Chrome tail pipe garnish (dual outlet style)
 Noise-isolating windshield
 AWD badge on liftgate
 Green tint glass with UV shield
 Privacy glass on rear door glass, quarter glass and rear gate glass

INTERIOR: AUDIO & CONNECTIVITY

10.25" full colour centre display
 Mazda Connect Infotainment system
 Mazda Connected Vehicle Services. Mazda Connected Vehicle Service is available for a 2 year trial period from your vehicle's in-service date; a paid subscription is required upon expiry of the trial period. Requires MyMazda App (on a compatible smartphone), a working vehicle electrical system (including battery), wireless coverage and GPS satellite signal. Services, connectivity and capabilities vary by conditions as well as geographical and technical restrictions. See mazda.ca for details. Services may include:
 Remote Services [remote engine start/stop, remote lock/unlock, remote hazard lights; Vehicle Status [vehicle status alert]; Navigation Services [vehicle finder, send to car¹]; Vehicle Connected Services [vehicle health report, online update, push notifications, malfunction notification]; Mazda Road Side Assistance
 HMI Commander switch
 Mazda Harmonic Acoustics with 8-speakers
 Touchscreen centre display for Apple CarPlay™ / Android Auto™
 AM/FM/HD radio
 Wireless Apple CarPlay™
 Wireless Android Auto™
 2 front USB ports
 Steering wheel mounted Bluetooth® and audio controls
 Bluetooth® with Audio Profile
 Navigation-ready (requires navigation SD card accessory)
 SMS text message functionality

¹To use the navigation system, the SD card containing the map information needs to be inserted in the SD card slot.

INTERIOR: COMFORT & CONVENIENCE

Automatic dual-zone climate controls
 Rear heater ducts (under front seats)
 Push Button Start
 Electronic Parking Brake (EPB) with Autohold function
 Cruise control with steering wheel mounted controls
 Tilt and telescopic steering wheel
 Advanced keyless entry (proximity and ignition)
 Fob type key
 Auto-dimming rearview mirror
 Speed sensing power door locks (double action)
 Illuminated power windows with driver's one-touch up / down feature
 Driver and passenger sun visors (cloth wrapped) with illuminated covered vanity mirrors and extensions
 LED front & rear room lamps
 LED cargo area light
 Illuminated entry
 Front centre console with armrest, cupholders and storage
 Internal hood and fuel door release
 12-volt DC power outlets
 2 Additional USB charging ports in rear centre console

2024 MAZDA CX-50

EQUIPMENT WALK

GS-L (Cont)

INTERIOR: SEAT & INTERIOR TRIM

- Leatherette trimmed upholstery
- Leather-wrapped steering wheel and shift knob
- Heated steering wheel
- Heated front seats (three position adjustable)
- 10-way power driver seat (includes power lumbar driver support)
- 4-way manual passenger seat
- 40/60 split folding rear seat
- Remote fold down rear seats
- Front passenger single seatback pockets
- Custom-fitted floor mats with vehicle nameplate embroidery
- Rear center armrest

INSTRUMENTATION

- Trip computer
- Meter-set with 7" LCD display
- Tachometer
- Exterior temperature gauge
- Gauge illumination dimming control
- Warning lights for low windshield washer fluid level, low fuel level, door, ajar check engine, oil pressure, parking brake, high beam and safety belts

GT

Includes the following features in addition to or in place of CX-50 GS-L:

TIRES AND WHEELS

- 20" alloy wheels (machined spokes with polished finish and dark painted pockets)
- 245/45R 20 all-season tires

EXTERIOR

- LED front and rear signature lighting
- LED rear combination lights
- Power folding exterior mirrors (automatic operation)
- Exterior B and C pillar garnish in piano black
- Auto dimming exterior mirror (Driver side only)
- Piano Black Front Grille
- Automatic headlights levelling

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 7 channels of customized equalization and SurroundStage® Signal Processing
- SiriusXM® Satellite Radio (includes complimentary 3-month subscription)
- SiriusXM Traffic Plus and Travel Link® services (includes complimentary 5-year subscription) (Current information for; Traffic, weather, sport scores and fuel prices).
- Navigation system
- Wireless Phone Charging (Qi)
- Frameless rearview mirror (auto-dimming and HomeLink® wireless control system)

INTERIOR: SEAT & INTERIOR TRIM

- Black Leather trimmed upholstery



Mazda CX-50 GT 2.5L I4 CD Model shown

INTERIOR: SEAT & INTERIOR TRIM (cont)

- Heated rear seats (outboard seats only / three position adjustable)
- Ventilated front seats (three position adjustable)
- 6-way power passenger seat
- Memory driver seat (2 memory settings)
- Exterior mirrors linked with memory seat function
- Push Button Start (bright ring)

SAFETY AND SECURITY

- Windshield-projected colour Active Driving Display (ADD)
- Traffic Sign Recognition System (TSR)
- Adaptive Front-lighting System (AFS)
- Emergency Lane Keeping w/ Blind Spot Assist
- 360° View Monitor
- Front and rear parking sensors
- Smart City Brake Support Rear (SCBS-R)
- Smart Brake Support Rear Crossing (SBS-RC)
- Traffic Jam Assist

GT OPTIONS

SKYACTIV-G 2.5 T with Twin Scroll Turbocharger

- SKYACTIV-G 2.5 T with Twin Scroll Turbocharger, i-stop
- Mi-Drive (Sport/Off-road/Towing modes)
- HP: 256 (with 93 octane fuel) / 227 (with 87 octane fuel)
- TQ: 320 lbs.-ft. (with 93 octane fuel) / 310 (with 87 octane fuel)
- Paddle shifters

- 4-cylinder / in-line engine
- Towing capacity - 1,588 kg (3,500lb)
- Turbo badge on liftgate
- Increased diameter exhaust outlets
- Front and rear lower bumper in black with silver accents

MERIDIAN EDITION

Includes the following features in addition to or in place of CX-50 GT with Skyactiv-G 2.5 T:

TIRES AND WHEELS

- 18" alloy wheels (black metallic finish)
- 225/60R 18 All-terrain Falken Tires
- Black wheel locks and lug nuts

INTERIOR: SEAT & INTERIOR TRIM

- Terracotta Leather trimmed upholstery

EXTERIOR

- Hood graphics
- Side rocker garnish



Mazda CX-50 Meridian Edition (APEX Package) Model shown

MERIDIAN EDITION OPTIONS

APEX PACKAGE

- Roof mounted black crossbars
- Roof platform
- Front and rear splash guards



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.