



# 2009 MY Mazda CX-7 SPECIFICATION DECK

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## **PRODUCTION TIMING:**

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Job # 1: May 2008

## **LINEUP:**

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CX-7 Sport FWD & AWD  
CX-7 Touring FWD & AWD  
CX-7 Grand Touring FWD & AWD

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## PRODUCT CHANGES

### Lineup

- No change

### Functional

- A/C performance improvement

### Exterior

- Dual outside-mirror side marker lights (Grand Touring)
- Silver painted fog lamp bezels (Grand Touring)
- High gloss painted wheels (Grand Touring)
- AWD Emblem (AWD models only)

### Interior

- Locking glove box
- Passenger side seatback map pocket
- Illuminated vanity mirrors
- AUX input jack
- MP3 capability
- Silver paint trim on glove box knob and rear console button
- Center console storage featuring rubber tray
- Leather wrapped steering wheel (Sport)
- Leather wrapped shift knob (Sport)
- Auto-dimming rearview mirror with Homelink® (Grand Touring)
- Bluetooth® & Satellite Radio now included in 1MC and 1TE Packages (SAT radio not available in Alaska & Hawaii)
- Heated Front Seats with Power Driver Seat Package (PS1) now offered on Sport Trim

### Color & Trim

- No change to interior / exterior colors

### Safety & Security

- No change

## 2009 Mazda CX-7

### 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:

<b>Sport</b>	<b>Touring</b>	<b>Grand Touring</b>
	(changes over Sport)	(changes over Touring)
<p><b>Functional / Powertrain</b></p> <ul style="list-style-type: none"> <li>● MZR I4 2.3L DISI Turbocharged Engine</li> <li>● 244 HP @ 5000 rpm</li> <li>● 258 lb-ft torque @ 2500 rpm</li> <li>● 6-speed Sport AT Automatic Transmission with Sport Shift</li> <li>● ABS with Electronic Brakeforce Distribution (EBD) and Brake Assist</li> <li>● Dynamic Stability Control (DSC)</li> <li>● Traction Control System (TCS)</li> <li>● Tire pressure monitor</li> <li>● Four wheel ventilated disc brakes</li> <li>● Front-wheel drive or Active Torque-Split All-Wheel Drive</li> <li>● Cruise Control</li> </ul> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>● 18" alloy wheels</li> <li>● 235/60R18 all season tires</li> <li>● Halogen head lights</li> <li>● Power side view mirrors</li> <li>● Privacy-tint rear glass</li> <li>● Body color side mirrors</li> <li>● Body color door handles</li> <li>● Variable intermittent windshield wipers</li> <li>● Dual stainless steel exhaust outlets</li> <li>● Roof Spoiler</li> </ul> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● AM / FM / CD audio with Automatic Level Control (ALC), MP3 capability and digital clock</li> <li>● 4 - speaker sound system (door mounted speakers)</li> <li>● Cloth seats with front seatback map pockets</li> <li>● Power Windows with One-Touch Auto Open/Close Front Windows</li> <li>● Carpeted floor mats</li> <li>● Center console armrest with lockable multifunction storage compartment</li> <li>● Power door locks</li> <li>● Keyless entry with retractable key</li> <li>● Leather wrapped steering wheel and shift knob</li> <li>● Air Conditioning - manual</li> <li>● 5 passenger seating capacity</li> <li>● 12 volt power outlet (2), AUX jack (1)</li> <li>● Adjustable outboard rear seat headrests</li> <li>● Black gauge faces with white lettering</li> <li>● Center instrument panel display (audio and clock)</li> <li>● Front cup holders (2)</li> <li>● Front door storage pockets with bottle holders</li> <li>● Rear cup holders (2)</li> <li>● 6-way manual adjustable driver's seat</li> <li>● Locking glove box</li> <li>● Illuminated vanity mirrors</li> </ul> <p><b>Safety</b></p> <ul style="list-style-type: none"> <li>● Front side-impact air bags and side air curtains (front and rear) with roll-over protection</li> <li>● Engine immobilizer anti-theft system</li> <li>● Advanced front airbags</li> <li>● Triple H body construction</li> <li>● Side-impact door beams</li> <li>● Fold-away brake pedal assembly</li> <li>● LATCH rear child safety seat anchors and tethers</li> </ul>	<p><b>Functional / Powertrain</b></p> <p><b>Exterior</b></p> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● Leather trimmed seat upholstery</li> <li>● 8-way power adjustable driver's seat with adjustable lumbar support</li> <li>● Driver and front passenger heated seats</li> <li>● Retractable cargo cover</li> </ul> <p><b>Safety</b></p>	<p><b>Functional / Powertrain</b></p> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>● Heated body colored side mirrors with side marker lights</li> <li>● Xenon HID low-beam headlights with manual leveling</li> <li>● Fog lamps with silver painted bezels</li> <li>● Auto on and off headlights</li> <li>● High gloss painted wheels</li> <li>● Chrome door handles</li> </ul> <p><b>Interior</b></p> <ul style="list-style-type: none"> <li>● GT leather trimmed seat upholstery with sport seat stripe</li> <li>● GT interior trim accents</li> <li>● Electroluminescent gauges</li> <li>● Auto-dimming rearview mirror with Homelink® (Grand Touring)</li> <li>● Exterior temperature thermometer</li> <li>● Indirect blue cabin illumination</li> <li>● Leather wrapped steering wheel with piano-black accents</li> <li>● Automatic climate control</li> </ul> <p><b>Safety</b></p>
<p><b>Product Changes and Features Availability</b>  <b>Features, options and package content subject to change.</b></p>		

**2009 Mazda CX-7**

EQUIPMENT & FEATURES	Sport	Touring	Grand Touring
	DISI I4 Engine - 244HP	DISI I4 Engine - 244HP	DISI I4 Engine - 244HP
	Std -- Standard; Pkg -- Package; Opt -- Factory Option; PIO -- Port Installed Option; DIO -- Dealer Installed Option		
<b>ENGINE &amp; TRANSMISSION</b>			
I4 2.3L Direct Injection Spark Ignition (DISI) Turbocharged Engine	Std	Std	Std
Underhood insulator pad	Std	Std	Std
Dual stainless steel exhaust outlets	Std	Std	Std
Front Wheel Drive	Std	Std	Std
Active Torque-Split All-Wheel Drive	Opt	Opt	Opt
6-speed Sport AT automatic transmission with sport shift	Std	Std	Std
<b>SUSPENSION &amp; CHASSIS</b>			
Power-assisted rack-and-pinion steering with engine-speed-sensing variable assist	Std	Std	Std
Independent front MacPherson strut suspension with stabilizer bar	Std	Std	Std
Independent rear multi-link suspension with stabilizer bar	Std	Std	Std
Power-assisted ventilated front disc brakes	Std	Std	Std
Power-assisted ventilated rear disc brakes	Std	Std	Std
Anti-lock Brake System (ABS) w/ Electronic Brakeforce Distribution (EBD) and Brake Assist	Std	Std	Std
Dynamic Stability Control (DSC)	Std	Std	Std
Traction Control System (TCS)	Std	Std	Std
<b>TIRES &amp; WHEELS</b>			
18 - inch aluminum alloy wheels	Std	Std	Std - High Gloss
P235/60 R18	Std	Std	Std
<b>EXTERIOR FEATURES</b>			
Door handles	body - color	body - color	bright
Bumpers -- Body Color Front & Rear	Std	Std	Std
Roof Spoiler	Std	Std	Std
Headlamps	Halogen	Halogen	Xenon (auto on / off)
Folding Side View Mirrors	body colored	body colored	body colored
Heated Folding Side View Mirrors with Marker Lights	-	-	Std
Side View Mirrors - driver & passenger, electric remote control	Std	Std	Std
Windshield wipers - intermittent, time adjustable	Std	Std	Std
Rear window wiper - intermittent and includes washer	Std	Std	Std
Fog Lamps	PIO/DIO	PIO/DIO	Std - Silver Painted Bezels
Mudguards, Front and rear	PIO/DIO	PIO/DIO	PIO/DIO
Moonroof wind deflector	PIO/DIO	PIO/DIO	PIO/DIO
Rear Spoiler	PIO/DIO	PIO/DIO	PIO/DIO
Underguard Package	PIO/DIO	PIO/DIO	PIO/DIO
Rear bumper step plate	PIO/DIO	PIO/DIO	PIO/DIO
Scuff Plates	PIO/DIO	PIO/DIO	PIO/DIO
<b>COMFORT &amp; CONVENIENCE</b>			
Power sliding-glass moonroof with interior sunshade and one-touch open/close	Pkg	Pkg	Pkg
Power windows with one-touch auto open/close front windows	Std	Std	Std
Cloth-trimmed seat upholstery	Std	-	-
Touring leather-trimmed seat upholstery	-	Std	-
Grand Touring leather seat upholstery with sport seat stripe	-	-	Std
Floor mats - Carpeted front & rear	Std	Std	Std
Floor mats - all weather front & rear	PIO/DIO	PIO/DIO	PIO/DIO
Cloth headliner - color-keyed -- sand	Std	Std	Std
Interior door handles -- silver	-	-	Std
Center instrument panel	Dark Gray	Dark Gray	Dark Gray
Steering wheel with audio control -- leather wrapped	Std	Std	-
Steering wheel with audio control -- leather wrapped with piano black accents	-	-	Std
Tilt steering wheel	Std	Std	Std
Heater/defroster with rear heater ducts	Std	Std	Std
CFC-free air conditioning with cabin filter	Manual	Manual	Automatic
Rear window defogger	Std	Std	Std
Power door locks with 2-stage unlocking	Std	Std	Std
Passenger assist grip	Std	Std	Std
Storage pockets - front doors with bottle holders	Std	Std	Std
Retractable cargo cover	PIO/DIO	Std	Std
Cupholders - front	Std	Std	Std
Coin Box	Std	Std	Std
Dual covered illuminated visor vanity mirrors with extension	Std	Std	Std
Cruise control with steering wheel mounted controls	Std	Std	Std
Driver-side footrest	Std	Std	Std
Cargo Net	PIO/DIO	PIO/DIO	PIO/DIO
Cargo Tray	PIO/DIO	PIO/DIO	PIO/DIO
Locking glove compartment	Std	Std	Std
Locking Center Storage Console with rubber tray	Std	Std	Std
Remote engine start	PIO/DIO	PIO/DIO	PIO/DIO
Rear cup holder (2)	Std	Std	Std
12V power outlet (2)	Std	Std	Std
Shift knob - leather wrapped	Std	Std	Std
Indirect blue illumination	-	-	Std
Privacy-tint rear glass	Std	Std	Std
Rear seat center armrest	Std	Std	Std
Auto-dimming rearview mirror with Homelink®	-	-	Std
<b>SEATING &amp; TRIM</b>			
5-passenger seating capacity	Std	Std	Std
60/40 split one-touch fold-down rear seatback with adjustable headrests on outboard seating positions	Std	Std	Std
Reclining front bucket seats with adjustable headrests	Std	Std	Std
6-way Manual Adjustable Driver's Seat	Std	-	-
8-way Power Adjustable Driver's Seat	PKG	Std	Std
Adjustable driver's seat lumbar support	PKG	Std	Std
Heated front seats	PKG	Std	Std
Carpeted interior - Black	Std	Std	Std
Front seatback map pocket - driver and passenger-side	Std	Std	Std
Interior Trim Package	PIO/DIO	PIO/DIO	PIO/DIO
<b>AUDIO SYSTEM</b>			
AM/FM/CD audio system (modular) with Automatic Level Control (ALC), MP3 capability and digital clock	Std	Std	Std
AM/FM & In-dash 6-disc CD changer	PKG/PIO/DIO	PKG/PIO/DIO	PKG/PIO/DIO
Bluetooth®	PKG	PKG	PKG
Sirius satellite radio	PKG	PKG	PKG
Sirius satellite radio-ready audio head-unit	Std	Std	Std

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Sirius satellite radio accessory receiver kit	PIO/DIO	PIO/DIO	PIO/DIO
4-speaker sound system	Std	Std	Std
9-speaker Bose audio sound system with Centerpoint and AudioPilot	PKG	PKG	PKG
DVD entertainment system	PIO/DIO	PIO/DIO	PIO/DIO
DVD Navigation System with Voice Command & Touch Screen	-	-	PKG
Antenna - Roof Mounted	Std	Std	Std
<b>INSTRUMENTATION</b>			
Tachometer	Std	Std	Std
Speedometer	Std	Std	Std
Resettable trip odometers (2)	Std	Std	Std
Coolant temperature gauge	Std	Std	Std
Fuel level gauge	Std	Std	Std
Ambient Temperature	-	-	Std
Navigation System with Rear View Camera	-	-	PKG
Electroluminescent gauges, indirect blue lighting	-	-	Std
Compass / EC mirror	PIO/DIO	PIO/DIO	PIO/DIO
Compass / Homelink mirror	PIO/DIO	PIO/DIO	PIO/DIO
<b>SAFETY &amp; SECURITY</b>			
Tire pressure monitoring system	Std	Std	Std
Side-impact door beams	Std	Std	Std
Front & rear crumple zones	Std	Std	Std
Advanced dual front air bags (SRS)	Std	Std	Std
Front side-impact air bags and side air curtains (front and rear) with roll-over protection	Std	Std	Std
3-point safety belts for all seating positions	Std	Std	Std
Front safety-belt pretensioners with force limiters	Std	Std	Std
Fold-away brake pedal assembly	Std	Std	Std
LATCH rear seat child safety-seat lower anchors (2) & upper tethers (3)	Std	Std	Std
Passenger power window lock-out feature - driver-controlled	Std	Std	Std
Engine immobilizer anti-theft system	Std	Std	Std
Anti-theft perimeter alarm	Pkg	Pkg	Pkg
Illuminated keyless entry w/ panic button	Std	Std	Std
Rearview camera	Pkg	Pkg	Pkg
MAZDA Advanced Keyless Entry & Start System	-	-	Pkg

## 2009 Mazda CX-7

<b>PACKAGES &amp; OPTIONS</b>	<i>Sport (SP)</i>	<i>Touring (TR)</i>	<i>Grand Touring (GT)</i>
<b>Power Seat Option (PS1):</b> - Heated front seats with 8-way power adjustable driver seat (recline, lift, tilt slide) with adjustable lumbar support	Opt	Std	Std
<b>Moonroof, Bose Audio, 6CD Changer Package (1MC):</b> - Power sliding glass moonroof with interior sunshade - Bose® Centerpoint® Surround System with AudioPilot® - 9 speakers - In-dash 6-disc CD changer - Bluetooth® & Satellite Radio with 6 month subscription Note: Sport trim requires PS1. Satellite radio not available in Alaska and Hawaii. Alaska and Hawaii must contact the Regional office to order this package.	Opt	Opt	Opt
<b>Technology Package (1TE):</b> - Power sliding glass moonroof with interior sunshade - Bose® Centerpoint® Surround System with AudioPilot® - 9 speakers - In-dash 6-disc CD changer - DVD Navigation System with Voice Command & Touch Screen - MAZDA Advanced Keyless Entry & Start System - Rearview Camera - Perimeter Alarm - Bluetooth® & Satellite Radio with 6 month subscription	-	-	Opt

2009 Mazda CX-7				
ACCESSORIES	Code	Sport	Touring	Grand Touring
<b>AUDIO / VISUAL ELECTRONICS</b>				
SIRIUS Satellite Radio with 6-month Subscription	SAT	Acc	Acc	Acc
<b>EXTERIOR</b>				
Rear Spoiler	1AP	Acc	Acc	Acc
Underguard Package	1UG	Acc	Acc	Acc
Fog Lamps	FOG	Acc	Acc	Std
Scuff Plates	SCP	Acc	Acc	Acc
Splash Guards, Front and Rear	SGB	Acc	Acc	Acc
Moonroof Wind Deflector (Requires 1MC or 1TE)	MND	Acc	Acc	Acc
Rear Bumper Guard	RBG	Acc	Acc	Acc
Trailer Receiver Hitch and Jumper Harness	TTH	Acc*	n/a	n/a
Trailer Receiver Hitch, Class II	TTW	Acc**	Acc	Acc
Wheel Locks	WLK	Acc	Acc	Acc
<b>INTERIOR</b>				
Preferred Equipment Package (1)	1PE	Acc	n/a	n/a
Rear View Camera Mirror	1RV	Acc	Acc	n/a
Preferred Equipment Package (2)	2PE	n/a	Acc	Acc
Cargo Net	CGN	Acc	Acc	Acc
Cargo Tray	CGT	Acc	Acc	Acc
All Weather Floor Mats	FLA	Acc	Acc	Acc
Carpeted Floor Mats	FLM	Std	Std	Std
Compass / EC Mirror	MRC	Acc	Acc	n/a
Compass / Homelink Mirror	MRH	Acc	Acc	Std
Retractable Cargo Cover (Black or Sand)	RCC	Acc	Std	Std
Remote Start Engine	RSE	Acc	Acc	Acc

\* Sport Trim without PS1 option

\*\* Sport Trim with PS1 Option

(1) includes CGN, CGT, RBG, RCC, and WLK

(2) includes CGN, CGT, RBG, and WLK

## 2009 Mazda CX-7

### INTERIOR & EXTERIOR COLORS

COLOR CODE		EXTERIOR COLOR		INTERIOR					
				<i>Sport (SP)</i>		<i>Touring (TR)</i>		<i>Grand Touring (GT)</i>	
				CLOTH		LEATHER		LEATHER	
		Black ED8	Sand ED9	Black ED6	Sand ED7	Black ED4	Sand ED5		
22R	True Silver Metallic	■		■		■			
28W	Black Cherry Mica		■		■		■		
30S	Liquid Platinum Metallic	■		■		■			
32S	Galaxy Gray Mica	■		■		■			
32V	Copper Red Mica		■		■		■		
33Y	Icy Blue Metallic		■		■		■		
34K	Crystal White Pearl Mica	■	■	■	■	■	■		
A3F	Brilliant Black Clearcoat	■	■	■	■	■	■		

**Bold type indicates colors new to Mazda**

## 2009 Mazda CX-7 SPECIFICATIONS

Engine Type	2.3L Direct Injection Spark Ignition (DISI) Turbocharged 16-valve 4-cylinder Inline	
Horsepower, SAE net	244 @ 5000 rpm	
Torque, SAE net	258 @ 2500 rpm	
Redline	6700 rpm	
Displacement (cubic inches/cc)	137.9/2260	
Bore x Stroke (inches/mm)	3.44 x 3.70/87.5 x 94.0	
Compression Ratio	9.5:1	
Fuel System	Electronically Controlled Direct Injection	
Fuel: Recommended	Premium (91 to 93 Octane)	
Valvetrain	Dual Overhead Cam, 4 valves per cylinder, camshaft chain, variable valve timing	
Engine Block	Aluminum alloy	
Cylinder Heads	Aluminum alloy	
Emission Control	3-Way Catalytic Converter	
Ignition System	Full Transistor Breakerless Ignition	
Alternator	12V - 110 amp	
Battery	55D23L	
Starter	12V:1.4kw	
Type	FWD or Active Torque Split All Wheel Drive	
Transmission:	6-Speed electronically controlled sport AT	
Clutch Type:	Torque converter with electronic lock-up	
Ratios (:1)		
	1st	4.148
	2nd	2.370
	3rd	1.555
	4th	1.154
	5th	0.859
	6th	0.685
	Reverse	3.393
	Final Drive	3.749
<b>CHASSIS</b>		
Body Type	5 passenger, SUV, monocoque unibody with triple H construction	
Front Suspension	independent MacPherson Strut type coil spring and stabilizer bar	
Rear Suspension	Independent Multi-link type coil spring and stabilizer bar	
Shock Absorbers	Twin tube, telescopic-type, double acting	
Steering Type	Power rack-and-pinion with variable assist	
Power Assist	Engine-rpm sensitive; variable hydraulic power assist steering	
Steering Wheel Turns Lock-to-Lock	2.9 revolutions	
Overall Steering Ratio	15.8:1	
Turning Circle, Curb-to-Curb (feet/m)	37.4/11.4	
Braking System	Power assist anti-lock braking system with Electronic Brakeforce Distribution (EBD) and Brake Assist	
Anti-Lock Braking System	4-wheel, 4-sensor, 4-channel +Electronic Brake force Distribution (EBD) and Brake Assist	
Front Brakes (inches/mm)	Dual Piston Ventilated Disc (11.65/296) diameter, 1.1in/28mm thick	
Rear Brakes (inches/mm)	Single Piston Ventilated Disc (11.9/302) diameter, 0.7in/18mm thick	
Parking Brake	Mechanical (foot type)	
Wheels	18 x 7.5J aluminum alloy wheel	
Tires	P235/60 R18 H-rated all-season	
Tire Inflation Pressures (F/R)	32 psi/32 psi	
Temporary Spare Tire	T155/90 D18	
EPA Curb Weight (lbs/kg)	FWD	3710/1683
	AWD	3929/1782

## 2009 Mazda CX-7 SPECIFICATIONS

### ESTIMATED FUEL ECONOMY

EPA Mileage (City/Highway)		
	FWD AT	17 / 23
	AWD AT	16 / 22

### CAPACITIES

Engine Oil (U.S. quarts/L)		6.0 / 5.7
Engine Coolant (U.S. quarts/L)		9.4 / 8.9
Washer Fluid Tank (U.S. quarts/L)		2.6 / 2.5
Fuel Tank Capacity (gallons/L)		18.2/69.0
EPA Passenger Volume w/o Moonroof (cubic feet)		101.7
EPA Passenger Volume w/ Moonroof (cubic feet)		98.8
Cargo Volume w/ Rear Seatback Up (cubic feet)		29.9
Cargo Volume w/ Rear Seatback Folded (cubic feet)		58.6
Roof Rack Payload (lbs.)		100
Towing Capacity (lbs.)		2,000
EPA Vehicle Size Category		
	FWD	Special Purpose Vehicle
	AWD	Special Purpose Vehicle

### EXTERIOR DIMENSIONS

Wheelbase (inches/mm)		108.3 / 2750
Track, Front (inches/mm)		63.7 / 1617
Track, Rear (inches/mm)		63.5 / 1612
Length w/o License Plate Holder		184.0 / 4675
Width (inches/mm)		73.7 / 1872
Height w/o Roof Rails (inches/mm)		64.8 / 1645
Minimum ground clearance, unladen (inches/mm)		8.1 / 206
Coefficient of drag (cd)		0.34
Top speed (mph/kph)		116.8 / 188
Weight Distribution %, Front:Rear		
	FWD	58:42 (curb weight)
	AWD	59:41 (curb weight)

### INTERIOR DIMENSIONS

Head Room w/o Moonroof, Front (inches/mm)		39.7 / 1009
Head Room w/o Moonroof, Rear (inches/mm)		39.3 / 998
Head Room w/ Moonroof, Front (inches/mm)		38.2 / 970
Head Room w/ Moonroof, Rear (inches/mm)		38.6 / 980
Leg Room, Front (inches/mm)		41.7 / 1059
Leg Room, Rear (inches/mm)		36.4 / 925
Rear Knee Clearance (inches/mm)		1.5 / 39
Shoulder Room, Front (inches/mm)		58.0 / 1472
Shoulder Room, Rear (inches/mm)		55.8 / 1417
Hip Room, Front (inches/mm)		54.8 / 1391
Hip Room, Rear (inches/mm)		53.0 / 1345