

# 2009 CX-7

## Engine & Mechanical



standard option not available



### CX-7 at a Glance:



#### Engine Type

244-hp 2.3L DOHC Direct-Injection Turbocharged 4-cylinder engine with 6-speed Sport automatic transmission†



#### Drivetrain Options

Front-wheel drive (FWD) or available Active Torque Split All-Wheel Drive (AWD)



#### Available Features

Available Xenon High-Intensity-Discharge (HID) low-beam headlights, halogen fog lights\*\*, standard privacy-tint rear glass and the perfect combination of car-like handling with SUV utility



#### Safety Features

5-Star government frontal- and side-crash-test rating\*\*\*\*, standard advanced front air bags, front side-impact air bags, side air curtains††† and Dynamic Stability Control (DSC)\*\*\*

2009 CX-7	Sport	Touring	Grand Touring
<b>Engine</b>			
Engine type	2.3L Direct Injection Spark Ignition (DISI) Turbocharged 16-valve 4-cylinder		
Horsepower, SAE net†	244 @ 5000 rpm		
Torque, SAE net† (lb/ft)	258 @ 2500 rpm		
Redline	6700 rpm		
Displacement (cubic centimeters)	2260		
Bore x Stroke (millimeters)	87.4 x 94.0		
Compression ratio	9.5:1		
Valvetrain	Dual overhead cam, 4 valves per cylinder, camshaft chain, variable valve timing (VVT)		
Engine block	Aluminum alloy		
Cylinder heads	Aluminum alloy		
<b>Fuel Economy</b>			
EPA Mileage (City/Highway)			
FWD Automatic Transmission‡	17 / 23		
AWD Automatic Transmission‡	16 / 22		
<b>Fuel System</b>			
Fuel system	Electronically controlled direct injection		
Minimum fuel rating	Regular Unleaded (87 Octane)		
Recommended fuel	Premium (91 - 93 Octane)		
<b>Drive Train</b>			
Type	Front-wheel drive or Active Torque Split All-Wheel Drive		
Transmission	6-speed electronically controlled Sport automatic transmission		
<b>Chassis</b>			















































Front suspension	Independent MacPherson strut type with stabilizer bar
Rear suspension	Independent multilink type and stabilizer bar
Power-assist steering type	Rack-and-pinion engine-rpm sensitive, variable hydraulic power-assisted steering
Steering wheel turns lock-to-lock	2.9 revolutions
Overall steering ratio	15.8:1
Turning circle, curb-to-curb (feet)	37.4
Braking system	Power assist Anti-lock Brake System (ABS) with Electronic Brakeforce Distribution (EBD) and Brake Assist
Anti-lock Brake System (ABS)	4-wheel, 4-sensor, 4-channel + Electronic Brakeforce Distribution (EBD) and Brake Assist
Front brakes (inches)	Dual piston ventilated disc (11.65 in) diameter, 1.1 in thick
Rear brakes (inches)	Single piston ventilated disc (11.9 in) diameter, 0.7 in thick
<b>Rear Suspension</b>	
Tires	P235/60 R18 H-rated all-season
Wheels	18-inch aluminum alloy wheel
Temporary spare tire	T155/90 D18
<b>Capacities</b>	
Roof rack payload (lbs.)	100
Towing capacity (lbs.)	2,000

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## Exterior

 standard  option  not available

2009 CX-7	Sport	Touring	Grand Touring
<b>Exterior Features</b>			
Body-color door handles			--
Chrome door handles	--	--	
Body-color front & rear bumpers			
Fog lights**			--
Fog lights with silver-painted bezels	--	--	
Halogen headlamps			--
Xenon auto on/off headlights	--	--	
Dual body-colored power remote outside mirrors			
Heated outside mirrors with side marker turn-signal lights	--	--	
Intermittent windshield wipers			
Intermittent rear wiper with washer			
Power moonroof with auto open/close and interior sunshade			
Moonroof wind deflector			
Mud guards, front and rear			
Rear bumper step plate			
Scuff plates			
Roof spoiler			
<b>Tires and Wheels</b>			
18-inch aluminum alloy wheels			--
18-inch aluminum alloy wheels with high-gloss painted finish	--	--	
P235/60 R18 H-rated all-season			
<b>Exterior Dimensions</b>			
Wheelbase (inches)	108.3		
Track, front (inches)	63.7		
Track, rear (inches)	63.5		
Length w/o license plate holder	184.0		
Width (inches)	73.7		
Height w/o roof rails (inches)	64.8		
Minimum ground clearance, unladen (inches)	8.1		
Coefficient of drag (Cd)	0.34		
EPA curb weight (lbs)			
FWD	3710		
AWD	3929		

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## Interior

S standard  
 □ option  
 -- not available

2009 CX-7	Sport	Touring	Grand Touring
<b>Comfort and Convenience</b>			
12V power outlet - two	S	S	S
Leather-wrapped tilt steering wheel with mounted audio controls	S	S	--
Leather-wrapped tilt steering wheel with Piano Black accents and audio controls	--	--	S
Leather-wrapped shift knob	S	S	S
Cruise control with steering-wheel-mounted controls	S	S	S
Indirect blue illumination	--	--	S
Air conditioning with cabin filter	S	S	--
Automatic climate control with cabin filter	--	--	S
Auto-dimming rearview mirror with HomeLink®	--	--	S
Mazda Advanced Keyless Entry & Start System	□	□	□
Power windows with one-touch auto open/close front windows	S	S	S
Rear-seat center armrest	S	S	S
Privacy-tint rear glass	S	S	S
Rear window defogger	S	S	S
<b>Storage</b>			
Front seatback map pocket - driver-side and passenger-side	S	S	S
Storage pockets - front doors with bottle holders	S	S	S
Cup holders - front	S	S	S
Rear cup holders - two	S	S	S
Lockable glove compartment	S	S	S
Locking center storage console with rubber tray	S	S	S
Retractable cargo cover	□	S	S
<b>Seating and Trim</b>			
Cloth-trimmed seats	S	--	--
Leather-trimmed seats	--	S	--
Leather-trimmed seats with sport seat stripe	--	--	S
Reclining front bucket seats with adjustable headrests	S	S	S
6-way manual-adjustable driver's seat	S	--	--
8-way power-adjustable driver's seat with adjustable lumbar support	□	S	S
Heated front seats	□	S	S
<b>Audio System</b>			
Auxiliary-audio input jack	S	S	S
AM/FM/CD MP3-compatible audio system with automatic level control	S	S	S
4-speaker sound system	S	S	S
9-speaker, Bose® Centerpoint® surround system 240 watt with AudioPilot®	□	□	□
In-dash 6-disc CD/MP3 changer	□	□	□
Bluetooth†† hands-free phone capability*	□	□	□
SIRIUS Satellite Radio††	□	□	□
DVD navigation system with 7-inch LCD touch screen & voice command	--	--	□
DVD entertainment system	□	□	□
Roof-mounted antenna	S	S	S
<b>Instrumentation</b>			

Ambient temperature display	--	--	5
Electroluminescent gauges, indirect blue lighting	--	--	5
Compass / electrochromic mirror	□	□	□
Compass / HomeLink® mirror	□	□	□
Navigation system with back-up camera†††	□	□	□

### Interior Dimensions

Headroom w/o moonroof, front (inches)	39.7
Headroom w/o moonroof, rear (inches)	39.3
Headroom w/ moonroof, front (inches)	38.2
Headroom w/ moonroof, rear (inches)	38.6
Legroom, front (inches)	41.7
Legroom, rear (inches)	36.4
Shoulder room, front (inches)	58.0
Shoulder room, rear (inches)	55.8
Hiproom, front (inches)	54.8
Hiproom, rear (inches)	53.0

### Capacities














































Passenger seating capacity	5
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

## 2009 CX-7



### Safety

 standard  option  not available

2009 CX-7	Sport	Touring	Grand Touring
<b>Safety and Security</b>			
Tire-Pressure Monitoring System (TPMS)			
Dynamic Stability Control (DSC) <sup>***</sup> and Traction Control System (TCS)			
Engine-immobilizer antitheft system			
Antitheft perimeter alarm			
Fold-away brake pedal assembly			
Advanced dual front air bags†††			
Front side-impact air bags and front/rear side air curtains with roll-over protection			
Passenger power window lock-out feature - driver-controlled			
Illuminated keyless entry w/ panic button			
Front seat-belt pretensioners with force limiters†††			
3-point seat belts for all seating positions			
Front & rear crumple zones			
Side-impact door beams			
LATCH child-safety-seat anchors			
Back-up camera†††			

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## Options & Packages



S standard   □ option   -- not available

2009 CX-7	Sport	Touring	Grand Touring
<b>Option Packages</b>			
<b>Power Seat Option:</b> <ul style="list-style-type: none"> <li>● Heated front seats with 8-way power-adjustable driver's seat (recline, lift, tilt slide) with adjustable lumbar support</li> </ul>	<span style="border: 1px solid black; padding: 0 2px;">□</span>	<span style="border: 1px solid black; padding: 0 2px;">S</span>	<span style="border: 1px solid black; padding: 0 2px;">S</span>
<b>Moonroof, Bose® Audio, 6CD Changer/MP3 Package:</b> <ul style="list-style-type: none"> <li>● Power sliding-glass moonroof with interior sunshade</li> <li>● Bose® Centerpoint® Surround System with AudioPilot®</li> <li>● 9 speakers</li> <li>● In-dash 6-disc CD/MP3 changer</li> <li>● Bluetooth®†† &amp; SIRIUS Satellite Radio with 6-month subscription</li> </ul> <p>Note: Sport trim requires Power Seat Option. SIRIUS Satellite Radio not available in Alaska and Hawaii. Alaska and Hawaii must contact the regional office to order this package.</p>	<span style="border: 1px solid black; padding: 0 2px;">□</span>	<span style="border: 1px solid black; padding: 0 2px;">□</span>	<span style="border: 1px solid black; padding: 0 2px;">□</span>
<b>Technology Package:</b> <ul style="list-style-type: none"> <li>● Power sliding-glass moonroof with interior sunshade</li> <li>● Bose® Centerpoint® Surround System with AudioPilot®</li> <li>● 9 speakers</li> <li>● In-dash 6-disc CD/MP3 changer</li> <li>● DVD navigation system with 7-inch LCD touch screen &amp; voice command</li> <li>● Mazda Advanced Keyless Entry &amp; Start System</li> <li>● Back-up camera‡‡‡</li> <li>● Antitheft perimeter alarm</li> <li>● Bluetooth®†† &amp; SIRIUS Satellite Radio with 6-month subscription</li> </ul>	--	--	<span style="border: 1px solid black; padding: 0 2px;">□</span>

\* MSRP includes destination charges but excludes tax, title and license fees. Destination charges may vary in Alaska and Hawaii. Vehicles displayed may contain optional equipment at additional costs. Actual dealer price may vary.

† For maximum power, use premium fuel.

‡ EPA-estimated mileage. Actual results may vary.

\*\* Fog lights, require the purchase of the 8-way power-adjustable driver's seat and adjustable lumbar support.

†† The Bluetooth® system functions only with select manufactured phones. Please consult [www.MazdaUSA.com/bluetooth](http://www.MazdaUSA.com/bluetooth) for device compatibility.

‡‡ SIRIUS Satellite Radio-compatible audio system requires additional dealer-installed hardware and subscription.

\*\*\* Dynamic Stability Control (DSC) is an electronic system to help the driver maintain control under adverse conditions. It is not a substitute for safe driving practices. Factors including speed, road conditions and driver steering input can all affect whether DSC will be effective in preventing loss of control. Please see the Owner's Manual for further details.

††† Always wear your seat belt and secure children in the rear seats in appropriate child restraints.

‡‡‡ Back-up camera does not provide a comprehensive view of the entire area behind this vehicle.

\*\*\*\* Government star ratings are part of the National Highway Traffic Safety Administration's (NHTSA's) New Car Assessment Program ([www.safercar.gov](http://www.safercar.gov)). Vehicle tested with standard side-impact air bags (SABs).