



# 2007 MY Mazda CX-7 SPECIFICATION DECK

## **PRODUCTION TIMING:**

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Job # 1: NA

## **LINEUP:**

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

<b>CONTENTS:</b>	<b>Page(s)</b>
Product Summary	2
Equipment & Features	3-4
Packages & Options	5
Accessories	6
Colors	7
Specifications	8-9

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## 2007 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:

<i><b>Sport</b></i>	<i><b>Touring</b></i>	<i><b>Grand Touring</b></i>
<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>• Black 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) and digital clock</li> <li>• 4 - speaker sound system (door mounted speakers)</li> <li>• Cloth seats</li> <li>• Power Windows with One-Touch Auto</li> <li>• 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>• Air Conditioning - manual</li> <li>• 5 passenger seating capacity</li> <li>• Three-spoke urethane steering wheel with audio controls</li> <li>• 12 volt power outlet (2)</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> </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>(changes over Sport)</p> <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>• Leather wrapped steering wheel</li> <li>• Leather wrapped shift knob</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>(changes over Touring)</p> <p><b>Functional / Powertrain</b></p> <p><b>Exterior</b></p> <ul style="list-style-type: none"> <li>• Heated body colored side mirrors</li> <li>• Chrome door handles</li> <li>• Xenon HID low-beam headlights with manual leveling</li> <li>• Fog lamps</li> <li>• Auto on and off headlights</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>• Automatic climate control</li> <li>• Exterior temperature thermometer</li> <li>• Indirect blue cabin illumination</li> <li>• Leather wrapped steering wheel with piano-black accents</li> </ul> <p><b>Safety</b></p>
<p style="text-align: center;"><b>Product Changes and Features Availability</b> Features, options and package content subject to change.</p>		

2007 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
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	black	black	body colored
Folding Side View Mirrors - Heated	-	-	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
Mudguards, Front and rear	PIO/DIO	PIO/DIO	PIO/DIO
Moonroof wind deflector	PIO/DIO	PIO/DIO	PIO/DIO
Rear bumper step plate	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 -- urethane	Std	-	-
Steering wheel with audio control -- leather wrapped	-	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 visor vanity mirror 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
Glove compartment	Std	Std	Std
Locking Center Storage Console	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
Indirect blue illumination	-	-	Std
Privacy-tint rear glass	Std	Std	Std
Rear seat center armrest	Std	Std	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	Opt	Std	Std
Adjustable driver's seat lumbar support	Opt	Std	Std
Heated front seats	-	Std	Std
Carpeted interior - Black	Std	Std	Std
Front seatback map pocket - driver-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) and digital clock	Std	Std	Std
AM/FM & In-dash 6-disc CD changer	Pkg/PIO/DIO	Pkg/PIO/DIO	Pkg/PIO/DIO
Sirius satellite radio-ready audio head-unit	Std	Std	Std
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	Pkg	Pkg

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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	Pkg	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	Pkg	Pkg

2007 Mazda CX-7			
PACKAGES & OPTIONS	<i>Sport (SP)</i>	<i>Touring (TR)</i>	<i>Grand Touring (GT)</i>
<b>Power Seat Option (PS1):</b> - 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  Note: Sport trim requires PS1	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  Note: Sport trim requires PS1	Opt	Opt	Opt

2007 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	<b>Icy Blue Metallic</b>	■	■	■	■	■	■
34J	<b>Electric Blue Mica</b>		■		■	■	■
34K	<b>Crystal White Pearl Mica</b>	■	■	■	■	■	■
A3F	Brilliant Black Clearcoat	■	■	■	■	■	■

**Bold type indicates colors new to Mazda**

## 2007 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
Required Fuel	Premium (91 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

#### CHASSIS

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)	18.7/5.7
Braking System	Power assist anti-lock braking system with Electronic Breakforce 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

## 2007 Mazda CX-7

### SPECIFICATIONS

#### ESTIMATED FUEL ECONOMY

EPA Mileage (City/Highway)		
	FWD AT	19 / 24 estimated
	AWD AT	18 / 24 estimated

#### 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