

2010 CX-7

Engine & Mechanical



standard option accessory *** not available

2010 CX-7	CX-7 i		CX-7 s	
	SV	Sport	Touring	Grand Touring



CX-7 at a Glance:



ENGINE and DRIVETRAIN CHOICES

- 161-hp 2.5L engine with 5-speed Sport automatic transmission and front-wheel drive (i trim)
- 244-hp† 2.3L turbocharged engine with 6-speed Sport automatic transmission and front- or all-wheel drive (s trim)



FUEL EFFICIENCY

- 20/28 mpg (i FWD)†
- 18/25 mpg (s FWD)††
- 17/23 mpg (s AWD)††



AVAILABLE FEATURES

Available automatic climate control, Bose® audio, compact navigation system and the perfect combination of car-like handling and SUV utility



SAFETY FEATURES

Standard safety features include advanced front air bags, front side-impact air bags, side-impact air curtains††, Dynamic Stability Control (DSC)*** and Tire-Pressure Monitoring System (TPMS)

2010 CX-7	CX-7 i		CX-7 s	
	SV	Sport	Touring	Grand Touring
Engine				
Engine type	2.5-liter DOHC 16-valve 4-cylinder with VVT		2.3L DOHC DISI turbocharged 16-valve 4-cylinder with VVT	
Horsepower	161 hp @ 6000 rpm		244 hp @ 5000 rpm‡	
Torque (lb-ft)	161 lb-ft @ 3500 rpm		258 lb-ft @ 2500 rpm‡	
Redline	6500 rpm		6700 rpm	
Displacement (cc)	2488		2260	
Bore x stroke (mm)	89 x 100		87.5 x 94	
Compression ratio	9.7:1		9.5:1	
Fuel system	Electronically-controlled multi-port fuel injection		Direct-Injection Spark Ignition (DISI)	
Recommended fuel	Regular unleaded		Premium unleaded (91 octane)	
Valvetrain	4 valves per cylinder with variable intake valve timing (VVT)		4 valves per cylinder with variable intake valve timing (VVT)	
Engine block	Aluminum-alloy		Aluminum-alloy	
Cylinder head	Aluminum-alloy		Aluminum-alloy	
Fuel Economy				
Front-wheel drive (city/hwy)	20/28†		18/25†‡	
All-wheel drive (city/hwy)	--		17/23†‡	
Drive Train				

Type	Front-wheel drive (FWD)	Front-wheel drive (FWD) or Active Torque Split All-Wheel Drive (AWD)	
Automatic transmission	5-speed Sport with Adaptive Shift Logic and manual-shift mode	6-speed Sport with Adaptive Shift Logic and manual-shift mode	

Chassis

Brakes	4-wheel disc brakes	4-wheel disc brakes	
- Front	11.7-inch vented disc	11.7-inch vented disc	
- Rear	11.9-inch vented disc	11.9-inch vented disc	
- ABS	4-wheel, 4-channel with Electronic Brakeforce Distribution (EBD) and Brake Assist	4-wheel, 4-channel with Electronic Brakeforce Distribution (EBD) and Brake Assist	
Steering type	Power rack-and-pinion with variable assist	Power rack-and-pinion with variable assist	
Power assist	Engine-speed-sensitive variable power assist	Engine-speed-sensitive variable power assist	
Overall steering ratio	15.8:1	15.8:1	
Steering wheel turns-to-lock	2.9	2.9	
Suspension	4-wheel independent	4-wheel independent	
- Front	MacPherson strut with stabilizer bar	MacPherson strut with stabilizer bar	
- Rear	Multilink with stabilizer bar	Multilink with stabilizer bar	
Wheel size (in)	17 x 7.0	18 x 7.5	19 x 7.5
Tire size	P215/70R17 all-season radial	P235/60R18 all-season radial	P235/55R19 all-season radial

Weights / Capacities / Aerodynamics

Curb weight (lbs)			
- FWD	3496	3787	
- AWD	--	4001	
Towing capacity (lbs)	1500	2000	
Fuel capacity (gallons)	16.4	18.2	

2010 CX-7



Exterior

standard option accessory not available

2010 CX-7	CX-7 i		CX-7 s	
	SV	Sport	Touring	Grand Touring
BODY				
Halogen headlights				
Xenon High-Intensity-Discharge (HID) low-beam headlights with auto on/off feature				
Halogen fog lights				
Variable-intermittent windshield wipers				
Rain-sensing windshield wipers				
Rear wiper with intermittent features				
Dual power outside mirrors				
Dual power outside mirrors with side marker turn-signal lights				
Heated outside mirrors				
Body-color door handles				
Chrome door handles				
Rear privacy glass				
Power sliding-glass moonroof with one-touch-open feature and interior sunshade				
Roof-mounted radio antenna				
Black roof molding				
Rear roof spoiler				
Single exhaust outlet with chrome tip				
Dual exhaust outlets with chrome tips				
WHEELS & TIRES				
17-inch aluminum-alloy wheels				
18-inch aluminum-alloy wheels				
19-inch aluminum-alloy wheels				
P215/70R17 all-season radial tires				
P235/60R18 all-season radial tires				
P235/55R19 all-season radial tires				
Temporary spare tire				
Exterior Dimensions				
Wheelbase (in)	108.3	108.3	108.3	108.3
Track, front (in)	64.1	64.1	63.7	63.7
Track, rear (in)	63.9	63.9	63.5	63.5
Length (in)	184.3	184.3	184.0	184.0
Width (in)	73.7	73.7	73.7	73.7
Height w/o roof rails (in)	64.8	64.8	64.8	64.8

Minimum ground clearance (in) - (unladen)	8.1	8.1	8.2	8.2
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2010 CX-7



Interior

standard option accessory not available

2010 CX-7	CX-7 i		CX-7 s	
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Comfort and Convenience				
Air conditioning with pollen filter				
Automatic climate control with pollen filter				
Rear window defogger				
Tilt & telescopic steering wheel				
Cruise control with steering-wheel-mounted controls				
Bluetooth® hands-free phone and audio capability**				
Back-up camera with color display†††				
Power windows with front one-touch down/up feature				
Power door locks with 2-stage unlocking				
Driver's seat memory				
Heated front seats				
Height-adjustable front shoulder-belt anchors				
Remote keyless entry with retractable key				
Mazda Advanced Keyless Entry & Start System				
Manual day/night rearview mirror				
Auto-dimming rearview mirror with HomeLink®				
Illuminated visor vanity mirrors				
12-volt power outlet (2)				
Storage				
Lockable center console with upper and lower storage compartments				
Center console armrest				
Dual front cup holders				
Rear center armrest with cup holders				
Front-door storage pockets with bottle holders				
Rear-door bottle holders				
Front seatback map pockets				
Retractable cargo cover				
Cargo area under-floor storage compartment				
Seating and Trim				
5-passenger seating				
Cloth-trimmed seats				

Leather-trimmed seats	--	--	\$	\$
6-way manually-adjustable driver's seat	\$	\$	--	--
8-way power-adjustable driver's seat with adjustable lumbar support	--	□	\$	\$
4-way manually-adjustable front passenger seat	\$	\$	\$	--
4-way power-adjustable front passenger seat	--	--	--	\$
60/40 split fold-down rear seatback	\$	\$	\$	\$
Leather-wrapped steering wheel	--	\$	\$	\$
Leather-wrapped shift knob	--	\$	\$	\$
Piano Black and Silver accents	--	--	--	\$
Carpet floor mats	\$	\$	\$	\$
Audio Navigation				
AM/FM/CD/MP3-compatible stereo with 4 speakers	\$	\$	\$	--
Bose® Centerpoint® Surround Sound System with AudioPilot®, AM/FM stereo, in-dash 6-disc CD/MP3-compatible changer and 9 speakers	--	--	□	\$
Auxiliary-audio input jack	\$	\$	\$	\$
Audio system automatic level control	\$	\$	\$	\$
SIRIUS Satellite Radio-compatible audio system††	\$	\$	\$	\$
SIRIUS Satellite Radio with free 6-month subscription	□	□	□	\$
Steering-wheel-mounted audio controls	\$	\$	\$	\$
Bluetooth® hands-free phone and audio capability**	--	\$	\$	\$
Compact navigation system with steering-wheel-mounted controls	--	--	--	\$
Instrumentation				
White on black gauges with red & blue nighttime illumination	\$	\$	\$	--
Electroluminescent gauges with red & blue nighttime illumination	--	--	--	\$
Dual trip odometers	\$	\$	\$	\$
Center instrument panel display (air conditioning & audio)	\$	\$	\$	\$
Multi-Information Display (MID) - includes trip computer, maintenance reminder, ambient temperature and audio system information	\$	\$	\$	--
Color Multi-Information Display (MID) - includes back-up camera display	--	□	□	\$
Interior Dimensions & Capacities				
Headroom, front/rear without moonroof (in)	39.7/39.3	39.7/39.3	39.7/39.3	--
Headroom, front/rear with moonroof (in)	--	38.2/38.6	38.2/38.6	38.2/38.6
Shoulder room, front/rear (in)	58.0/55.8	58.0/55.8	58.0/55.8	58.0/55.8
Hip room, front/rear (in)	54.8/53.0	54.8/53.0	54.8/53.0	54.8/53.0

Legroom, front/rear (in)	41.7/36.4	41.7/36.4	41.7/36.4	41.7/36.4
EPA passenger volume without moonroof (cu ft)	101.7	101.7	101.7	--
EPA passenger volume with moonroof (cu ft)	--	98.8	98.8	98.8
EPA cargo volume rear seat up/down (cu ft)	29.9/58.6	29.9/58.6	29.9/58.6	29.9/58.6
EPA interior volume without moonroof (cu ft)	137.6	137.6	137.6	--
EPA interior volume with moonroof (cu ft)	--	128.7	128.7	128.7

Safety

S standard
 O option
 A accessory
 --- not available

2010 CX-7	CX-7 i		CX-7 s	
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Safety and Security				
Advanced front air bags ^{††} with seat belt-use, passenger-weight and driver's seat-position sensors	S	S	S	S
Front side-impact air bags and side-impact air curtains ^{††} with rollover protection	S	S	S	S
3-point seat belts for all 5 seating positions	S	S	S	S
Front seat-belt pretensioners with force limiters	S	S	S	S
Active front headrests	S	S	S	S
Anti-lock Brake System (ABS) w/ Electronic Brakeforce Distribution (EBD) & Brake Assist	S	S	S	S
Dynamic Stability Control (DSC) ^{***} and Traction Control System (TCS)	S	S	S	S
Child-safety rear door locks	S	S	S	S
LATCH child-safety-seat anchors & upper tethers	S	S	S	S
Triple-H construction	S	S	S	S
Side-impact door beams	S	S	S	S
Collapsible steering column and foldaway brake pedal assembly	S	S	S	S
Blind Spot Monitoring (BSM) System ^{†††}	---	---	---	S
Keyless remote panic button (on key fob)	S	S	S	S
Engine-immobilizer anti-theft system	S	S	S	S
Anti-theft alarm system	---	---	---	S
Tire-Pressure Monitoring System (TPMS)	S	S	S	S













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Options & Packages

standard option accessory -- not available

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Packages				
Convenience Package Power sliding-glass moonroof with one-touch-open feature and interior sunshade Automatic climate control with pollen filter 8-way power-adjustable driver's seat Heated front seats Multi-Information Display (MID) with back-up camera†††	--		--	--
Touring Technology Package Power sliding-glass moonroof with one-touch-open feature and interior sunshade Automatic climate control with pollen filter Bose® Centerpoint® Surround Sound System with AudioPilot®, AM/FM stereo, in-dash 6-disc CD/MP3-compatible changer and 9 speakers SIRIUS Satellite Radio with free 6-month subscription Multi-Information Display (MID) with back-up camera†††	--	--		--
Audio/Entertainment				
SIRIUS Satellite Radio with free 6-month subscription				
DVD entertainment system				
Exterior				
Fog lights				
Splash guards (front and rear)				
Moonroof wind deflector	--			
Scuff plates				
Rear bumper guard				
Rear spoiler				
Towing receiver hitch and wiring harness		****	†††	
Towing receiver hitch class II	--	††††	*****	--
Wheel locks (set of 4)				
Interior				
Remote engine start				
All-weather floor mats				
Compass auto-dimming rearview mirror				--
Compass auto-dimming rearview mirror with HomeLink®				

Cargo net				
Cargo tray				
Retractable cargo cover				

* 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.

† EPA-estimated mileage. Actual results may vary.

‡ Based on use of premium unleaded fuel.

** The Bluetooth® system functions only with select manufactured devices. Please consult www.MazdaUSA.com/bluetooth for device compatibility.

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

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

*** 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.

††† Do not rely completely on the BSM system and be sure to look over your shoulder before changing lanes. The BSM system can assist the driver in confirming the safety of the surrounding but is not a complete substitute. The driver is responsible for assuring lane changes and other maneuvers. Always pay attention to the direction in which the vehicle is traveling and the vehicle's surroundings. The BSM system does not operate when the vehicle speed is lower than about 20 mph (32 km/h).

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

**** Not available with Convenience Package.

†††† Not available with Touring Technology Package.

‡‡‡‡ Requires Convenience Package.

***** Requires Touring Technology Package.