



>>> GMC ENVOY AND ENVOY XL

NEW FOR 2004

- New audio systems
- Optional electrically adjustable pedals
- Last-door locking feature standard
- New exterior colors: Liquid Silver Metallic and Sand Beige Metallic
- DVD movies can now play through vehicle sound system

MODEL LINEUP

	ENGINES		TRANSMISSION
	Vortec 4200 4.2L I-6	Vortec 5300 5.3L V-8	4-spd auto (Hydra-Matic 4L60-E)
Envoy 2WD / 4WD	s	–	s
Envoy XL 2WD / 4WD	s	o	s
Envoy XUV 2WD / 4WD	s	o	s

Key:

Standard	s
Optional	o
Not available	–

2004 GMC ENVOY LINEUP ADDS XUV MODEL AND NEW FEATURES

GMC's Envoy and Envoy XL SUVs have a new companion for 2004 – the all-new Envoy XUV. With a host of innovative features, the XUV adds unprecedented functionality to the Envoy's well known comfort and performance to expand the number of choices in the Envoy lineup of mid-size SUV configurations.



“Envoy has clearly captivated buyers by setting a new standard for mid-size SUV comfort, convenience and capability,” said Craig Bierley, GMC Envoy marketing director. “And we’re expanding that appeal with attractive pricing, simplified option packaging and additional product enhancements. Coupled with strong availability of Envoy XL models, these initiatives position the Envoy family for another record-breaking year.”



With the addition of Envoy XUV, GMC offers more options to the mid-size utility market than ever before. For details, please see the separate Envoy XUV release that follows.

New for 2004

New for all Envoys in 2004 are optional XM Satellite Radio (continental U.S. only), new 175-Series AM/FM radios and optional electrically adjustable pedals. In addition, in the Envoy and Envoy XL, DVD movies can now be played through the vehicle sound system as well as the wireless headphones.

Envoy powertrains

Standard power for Envoy, Envoy XL and Envoy XUV is the award-winning Vortec 4200 4.2L 24-valve, dual-overhead-cam inline six-cylinder engine that provides 275 horsepower (205 kw) and 275 lb.-ft. (373 Nm) of torque. For Envoy XL and XUV customers who want even more low-end torque, acceleration and cargo-hauling capability, GM's Vortec 5300 5.3L OHV V-8 is available. It generates 290 horsepower (216 kw) and 325 lb.-ft. (441 Nm) of torque. Both engines run smoothly on 87-octane regular grade unleaded fuel.

With the optional Vortec 5300, Envoy XL provides towing capacities of 7,100 pounds (3,221 kg) for 2WD models and 6,700 pounds (3,039 kg) for 4WD models. The XUV model towing capacity is 6,500 pounds (2,948 kg) for 2WD and 6,400 pounds (2,903 kg) for 4WD.

Roomy and comfortable

Surprisingly roomy and comfortable, the Envoy, Envoy XL and Envoy XUV provide exceptional first- and second-row head, leg, shoulder and hip room. And the Envoy XL's superior third-row seat isn't just a child's seat. Its two seating positions can comfortably accommodate 95 percent of all adult males. Envoy's SLT trim provides premium soft leather seating surfaces.



The Envoy's rear seat and the Envoy XL's second- and third-row seats fold flat for extra loading flexibility. With the convenient second- and third-row flip-fold seats folded down to provide a flat load floor, the Envoy XL provides 107.4 cubic feet (3,041L) of maximum cargo space.

The Envoy XL also features a highly versatile rear cargo panel, with adjustable height levels. It can be used to extend the flat load floor in the rear when the seats are folded, raised for privacy in concealing items stored beneath it, or simply stowed or removed to maximize cargo space.

The Envoy and Envoy XL's standard heating, ventilation and air conditioning (HVAC) system provides dual-zone climate control with as much as a 25° F (13.9 degrees C) difference in temperature settings for the driver and front passenger. The Envoy XL's standard HVAC system also provides rear-seat passengers with independent temperature controls, conveniently accessible at the back of the front console. The regular Envoy provides rear passengers with separate HVAC airflow direction controls.

On the Envoy and Envoy XL, the SLT trim level provides individual memory and personalization features for two drivers. Drivers can tailor seat and side-mirror positions, radio stations, HVAC controls and more to their individualized preferences.

Large capacity fuel tank

A large, 22-gallon (83.3L) tank, standard in the Envoy five-passenger model, extends the combined city/highway driving range of 2WD models to 418 miles (673 km) and 4WD models to 396 miles (637 km) between fill-ups. Envoy XL and XUV models feature a larger 25-gallon (94.6L) fuel tank, providing a 425-mile (684 km) driving range for 2WD/4WD customers in combined city/highway driving with the Vortec 4200 4.2L engine.



Award-winning lineup

The Envoy Professional Grade lineup of SUVs is engineered for performance, convenience and versatility. They have earned numerous awards including Motor Trend's "2002 Sport/Utility of the Year," Sport Truck Magazine's "Truck of the Year" for 2002 and African American On Wheels and Latinos On Wheels 2002 "Urban Wheels" award.

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SPECIFICATIONS

OVERVIEW

Models:	GMC Envoy, Envoy XL & Envoy XUV, 2- or 4-wheel drive
Body style / driveline:	4-door, 5- and 7-passenger sport utilities, front engine, 2- or 4-wheel drive
Construction:	body on frame
EPA vehicle class:	mid-size sport utilities
Manufacturing location:	Envoy: Moraine, Ohio; Envoy XL: Moraine, Ohio and Oklahoma City, Oklahoma ; Envoy XUV: Oklahoma City, Oklahoma
Key competitors:	Ford Explorer, Jeep Grand Cherokee, Dodge Durango, Toyota Highlander, Honda Pilot

ENGINES

	Vortec 4200 4.2L I-6 (LL8)	Vortec 5300 5.3L V-8 (LM4)
Type:	4.2L inline six cylinder	5.3L V-8
Displacement (cu in / cc):	256 / 4160	327 / 5328
Bore & stroke (in / mm):	3.66 x 4.01 / 93 x 102	3.78 x 3.27 / 96 x 92
Block material:	cast aluminum	cast aluminum
Cylinder head material:	cast aluminum, A356-T6 using lost-foam process	cast aluminum, A356-T6
Valvetrain:	DOHC, 4 valves per cylinder, variable cam phasing – exhaust cam	OHV, 2 valves per cylinder, hydraulic roller lifters
Ignition system:	coil-on-plug, dual platinum electrodes	coil near plug ignition, platinum-tipped spark plugs, low-resistance spark plug wires
Fuel delivery:	sequential fuel injection	sequential fuel injection
Compression ratio:	10:1	9.5:1
Horsepower (hp / kw @ rpm):	275 / 205 @ 6000	290 / 216 @ 5200
Torque (lb-ft / Nm @ rpm):	275 / 373 @ 3600	325 / 441 @ 4000
Recommended unleaded fuel:	87 octane	87 octane
Maximum engine speed (rpm):	6300	5900
Emissions controls:	3-way catalytic converter, positive crankcase ventilation, evaporative collection system	3-way catalytic converter, exhaust gas recirculation, positive crankcase ventilation, evaporative collection system

ENGINES (Cont.)

	Vortec 4200 4.2L I-6 (LL8)	Vortec 5300 5.3L V-8 (LM4)
Estimated fuel economy (mpg, city / hwy / combined):	Envoy 2WD: 16 / 22 / 19 Envoy 4WD: 15 / 21 / 18 Envoy XL 2WD: 15 / 20 / 17 Envoy XL 4WD: 15 / 20 / 17 Envoy XUV 2WD: 15 / 20 / 17 (preliminary) Envoy XUV 4WD: 15 / 19 / 17 (preliminary)	N/A N/A 14 / 19 / 16 14 / 19 / 16 15 / 19 / 17 14 / 19 / 16

TRANSMISSION

Type:	Hydra-Matic 4L60-E, 4-speed, rear-wheel-drive, electronically controlled automatic overdrive with torque converter clutch
Gear ratios (:1):	
First:	3.06
Second:	1.63
Third:	1.00
Fourth:	0.70
Reverse:	2.29
Final drive ratio:	3.42:1 (standard); 3.73:1 (optional); 4.10:1 (optional with 4.2-liter only)

CHASSIS/SUSPENSION

Front:	independent, double A-Arm, 46-mm shocks, 34-mm stabilizer bar
Rear:	5-link solid axle (opt: electronically controlled air suspension), 36-mm shocks, 31-mm stabilizer bar on 2WD, 31-mm stabilizer bar on 4WD
Transfer case system:	Autotrac (standard on 4WD)
Traction control:	electronic traction assist optional on 2WD
Steering type:	rack-and-pinion (hydraulically assisted)
Steering ratio:	Envoy: 20.4:1; Envoy XL: 18.5:1; Envoy XUV: 18.5:1
Steering wheel turns, lock-to-lock:	Envoy: 3.82; Envoy XL: 3.48; Envoy XUV: 3.5
Turning circle, curb-to-curb (ft / m):	Envoy: 36.4 / 11.1; Envoy XL: 41.3 / 12.6; Envoy XUV: 40.8 / 12.45



BRAKES

	Envoy	Envoy XL
Type:	4-wheel vented disc with front aluminum dual piston calipers, 4-wheel ABS, rear drum-in-hat parking brake	4-wheel vented disc with front aluminum dual piston calipers, 4-wheel ABS, rear drum-in-hat parking brake
Rotor diameter x thickness (in / mm):	front: 12 x 1.14 / 305 x 29; rear: 12.8 x 0.78 / 325 x 20	front: 12.8 x 1.14 / 325 x 29; rear: 12.8 x 0.78 / 325 x 20
Total swept area (sq in / sq cm):	front: 210 / 1353; rear: 217 / 1397	front: 228 / 1469; rear: 217 / 1397

WHEELS/TIRES

Wheel size & type:	17-inch x 7-inch 6-lug cast aluminum
Tires:	P245/65R17 all-season, steel-belted radials

DIMENSIONS

	Envoy	Envoy XL
Exterior		
Wheelbase (in / mm):	113 / 2869	129 / 3275
Overall length (in / mm):	191.6 / 4866	207.6 / 5271
Overall width (in / mm):	74.7 / 1897	74.7 / 1897
Overall height (in / mm):	71.9 / 1826 (without luggage rack)	75.5 / 1917 (without luggage rack)
Track (in / mm):	front: 63.1 / 1603; rear: 62.1 / 1576	front: 63.1 / 1603; rear: 62.1 / 1576
Minimum ground clearance (in / mm):	8 / 203	8 / 203
Ground to top of rear load floor (in / mm):	32.1 / 817	31.9 / 810
Step-in height (in / mm):	18.2 / 462	18.9 / 481
Approach angle (degrees):	29	2WD: 34.5 / 4WD: 34
Departure angle (degrees):	23	2WD: 23.5 / 4WD: 23.3
Curb weight: (lb / kg):	2WD: 4425 / 2007 4WD: 4612 / 2092	2WD: 4773 / 2165 4WD: 4954 / 2247
Weight distribution (% front / rear):	2WD: 53 / 47 4WD: 54 / 46	2WD w/Vortec 4200: 52 / 48 4WD w/Vortec 4200: 52 / 48 2WD w/Vortec 5300: 53 / 47 4WD w/Vortec 5300: 55 / 45
Interior		
Seating capacity:	2 / 3 (total 5)	2 / 3 / 2 (total 7)
Head room (in / mm):	1st row: 40.2 / 1021 2nd row: 39.6 / 1006	1st row: 40.2 / 1021 2nd row: 39.6 / 1006 3rd row: 38.5 / 978
Leg room (in / mm):	1st row: 41.4 / 1052 2nd row: 37 / 940	1st row: 41.4 / 1052 2nd row: 37 / 940 3rd row: 31.2 / 792

DIMENSIONS (Cont.)

Interior	Envoy	Envoy XL
Shoulder room (in / mm):	1st row: 58.5 / 1485 2nd row: 58.5 / 1485	1st row: 58.5 / 1485 2nd row: 58.5 / 1485 3rd row: 58.3 / 1482
Hip room (in / mm):	1st row: 55.5 / 1410 2nd row: 58.1 / 1476	1st row: 55.5 / 1410 2nd row: 58.4 / 1483 3rd row: 45.9 / 1166
Cargo length floor (in / mm) (behind 1st /2nd /3rd row):	1st row: 70 / 1778 2nd row: 39.7 / 1008	1st row: 85.5 / 2180 2nd row: 58.6 / 1488 3rd row: 23.5 / 597
Cargo volume (cu ft / L)* (behind 1st /2nd /3rd row):	1st row: 80.1 / 2268 2nd row: 43.7/ 1127	1st row: 107.4 / 3041 2nd row: 66.5 / 1689 3rd row: 23.4 / 594.4

*Maximum cargo measured at top of seat back.

CAPACITIES

	Envoy (Vortec 4200)	Envoy XL (Vortec 4200)	Envoy XL (Vortec 5300)
GVWR, standard (lb / kg):	2WD: 5550 / 2517 4WD: 5750 / 2608	2WD: 6200 / 2812 4WD: 6400 / 2903	2WD: 6200 / 2812 4WD: 6400 / 2903
Payload, base (lb / kg):	2WD: 1125 / 510 4WD: 1138 / 516	2WD: 1427 / 647 4WD: 1446 / 656	2WD: 1378 / 625 4WD: 1393 / 632
Trailer towing maximum (lb / kg):	2WD: 6300 / 2858 4WD: 6100 / 2767	2WD: 6000 / 2722 4WD: 5800 / 2630	2WD: 7100 / 3221 4WD: 6700 / 3039
Maximum tongue weight (lb / kg):	Trailer tongue weight should be 10% to 15% of total loaded trailer weight up to 400 lb / 182 kg	Trailer tongue weight should be 10% to 15% of total loaded trailer weight up to 400 lb / 182 kg	Trailer tongue weight should be 10% to 15% of total loaded trailer weight up to 400 lb / 182 kg
Fuel tank (gal / L):	22 / 83.3	25 / 96.1	25 / 96.1
Engine oil (qt / L):	7 / 6.6	7 / 6.6	7 / 6.6
Cooling system (qt / L):	13.9 / 13.1	15.3 / 14.4	18 / 17

Note: Information shown is current at time of publication. Please visit our GM Media web site at <http://media.gm.com> for updates.

