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GMC Expands its Engineering Expertise with the Efficient and Capable 2010 Terrain

- *All-new, five-passenger crossover SUV delivers expected segment-best highway fuel economy of 30 mpg*
- *Comprehensive package of premium features, with an emphasis on vehicle safety and passenger comfort*
- *GMC's engineering excellence and innovation advances with direct injection technology, programmable power liftgate and standard rear vision camera*

NEW YORK – GMC's all-new 2010 Terrain makes its world debut at the 2009 New York International Auto Show. The Terrain is a five-passenger crossover SUV that blends bold styling with fuel efficiency and premium features.

"The new Terrain brings GMC's history of innovation and engineering excellence into a smaller, fuel-efficient package for today's buyer," said Susan Docherty, Buick-Pontiac-GMC vice president. "The capability attributes that make a vehicle a GMC are ingrained in Terrain, making it an appealing choice for existing traditional SUV customers who are looking for distinctive styling and increased efficiency."

A new, 2.4L four-cylinder engine that features direct injection is expected to deliver best-in-segment highway fuel economy of 30 mpg. Maximum fuel economy is achieved in part with an "ECO" mode that is activated via a console-mounted button. When engaged, it lowers the torque converter lockup speed to 1,125 rpm to help save fuel on models equipped with the 2.4L engine.

Also available will be a 3.0L DOHC direct injected V-6 engine delivering an estimated 264 horsepower (197 kW). Both engines are mated to efficiency-enhancing six-speed automatic transmissions and offer a refined, confident driving experience.

“GMC is a strong, core brand for GM and the Terrain crossover SUV is the latest example of how we’re adapting to changing market conditions,” said Docherty. “As we first demonstrated with the Acadia crossover, GMC is committed to offering the capable vehicles customers seek, with the personal technologies they expect.”

The 2010 Terrain goes on sale in late summer, with front-wheel-drive and all-wheel-drive models offered in SLE and SLT trim levels. A comprehensive list of standard and available features includes purposeful technologies such as:

- Standard rear vision camera
- Programmable power rear liftgate
- Bluetooth hands-free phone capability
- MultiFlex sliding rear seat that increases passenger comfort or provides optimal cargo space
- Remote vehicle start
- USB audio connectivity; MP3 playback
- Seven-inch touch-screen navigation system and a 40-gigabyte hard drive
- DVD-based rear-seat entertainment system with two independent screens
- Standard OnStar and XM Satellite Radio

Segment-best safety is anticipated, with features that include four-wheel disc brakes with StabiliTrak electronic stability control and traction control, as well as six standard air bags: dual frontal air bags; head curtain side air bags and pelvic/thorax seat-mounted side air bags. OnStar with one-year Safe and Sound service is also standard.

Bold styling

Terrain has a balanced, athletic stance and offers a commanding view of the road. Its design is characterized by bold, muscular fender flares, representing GMC’s aesthetic. Surfacing is angular yet refined, with a strong and capable front-end appearance that features precise, squared-off edges.

“We wanted to carve the GMC Terrain away from the pack and establish its identity as a powerful, fresh crossover SUV with a confident and strong stance,” said John Cafaro Jr., director of exterior design, Global Crossover Vehicles. “Everything about the Terrain communicates a sense of tailored toughness and passionate craftsmanship.”

Additional design features include a unique, three-element grille that is accented by a prominent chrome surround and projector-beam headlamps mounted in large, rectangular housings with chrome accents.

Interior details and flexibility

The Terrain's rich, premium interior is influenced by industrial sculpture and exudes refinement exemplified by contrast stitching and fine materials that create a structured look throughout the cabin. A "floating" center stack, highlighted by warm ambient lighting, houses a multitude of ergonomic comfort and convenience controls.

The Terrain also features great attention to detail, with smart use of storage space and compartments that are suitable for a variety of items. They include an oversized glove box; a closed storage area in the instrument panel above the center stack; a closed storage compartment under the center armrest large enough for a laptop computer; and two-tier storage in the doors.

Terrain's seats were developed to provide outstanding comfort and the standard MultiFlex sliding rear seat can be moved fore or aft nearly eight inches (200 mm), providing increased passenger comfort or greater rear cargo capacity. The 60/40-split rear seatback offers additional configurations for passengers and cargo; and the rear cargo area offers 31.6 cubic feet (894 liters) of storage, as well as one of the Terrain's four auxiliary power outlets.

Confident and agile driving experience

Two new engines are offered on all Terrain models, each with fuel-saving direct injection and variable valve timing technology. Vehicle highlights include:

- New 3.0L DOHC direct injected V-6 engine estimated at 264 horsepower (197 kW), which delivers an estimated 25 mpg highway, 18 mpg city (EPA certification pending).
- New 2.4L Ecotec direct injected I-4 engine estimated at 182 horsepower (136 kW) that delivers an estimated 30 mpg highway, 21 mpg city (EPA certification pending)

- Driving range of more than 500 miles (800 km) with both engines, for less-frequent fill-ups

The powertrains are mounted on a rigid, body-integral structure, with single-piece body side stampings and targeted applications of high-strength steel. It is the foundation of a confident driving experience that is both smooth and responsive.

GM's first application of Active Noise Cancellation (ANC) technology is used on 2.4L-equipped models. ANC uses microphones to detect booming sounds inside the vehicle and sends counteracting sound waves through the audio system's speakers, ensuring a quiet driving experience at almost all vehicle speeds.

The Terrain rides on a 112.5-inch (2,857 mm) wheelbase and features a four-wheel independent suspension system, with wide front and rear tracks that enhance the ride and handling. A family of 17-inch, 18-inch aluminum and 19-inch chrome-clad wheels is available.

Terrain's rack-mounted electric power steering system provides greater fuel efficiency on four-cylinder-equipped models, saving nearly 11 miles per tank of gas.

GMC Terrain will be produced at the CAMI assembly facility in Ingersoll, Ontario.

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SPECIFICATIONS

Overview

Models:	GMC Terrain SLE and SLT; FWD and AWD	
Body style / driveline:	five-passenger, four-door SUV, front-engine, front- or all-wheel drive	
Construction:	welded galvanized steel (except roof) monocoque	
EPA vehicle class:	compact sport utility vehicle	
Manufacturing location:	Ingersoll, Ontario, Canada	
Key competitors:	Ford Edge, Mazda CX-7, Nissan Murano, Hyundai Santa Fe	

Engines

	2.4L DOHC I-4 DI	3.0L DOHC V-6 DI
Type:	145 / 2384	182 / 2994
Displacement (cu in / cc):	3.46 x 3.85 / 88 x 98	3.50 x 3.15 / 89 x 80.2
Bore & stroke (in / mm):	cast aluminum	sand-cast aluminum with cast-in bore liners
Block material:		
Cylinder head material:	cast aluminum	cast aluminum
Valvetrain:	DOHC, four valves per cylinder; variable valve timing	DOHC, four valves per cylinder; variable valve timing
Fuel delivery:	electronic direct sequential fuel injection with electronic throttle control	electronic direct sequential fuel injection with electronic throttle control
Compression ratio:	11.4:1	11.7:1
Horsepower (hp / kW @ rpm):	182 / 136 @ 6700*	264 / 197 @ 6950**
Torque (lb-ft / Nm @ rpm):	174 / 236 @ 4800*	222 / 301 @ 5100**
Recommended fuel:	regular unleaded	regular unleaded
Emissions controls:	close-coupled catalytic converters; Quick-Sync 24x ignition system; returnless fuel rail; fast-response O ₂ sensor	close-coupled catalytic converters; Quick-Sync 24x ignition system; returnless fuel rail; fast-response O ₂ sensor
Estimated fuel economy (city / hwy):	21 / 30 (FWD) 20 / 27 (AWD)	18 / 25 (FWD) 17 / 24 (AWD)

Transmission

Type:	Hydra-matic 6T45 six-speed automatic electronically controlled	Hydra-matic 6T70 six-speed automatic electronically controlled with manual shift mode
Gear ratios: (:1):		
First:	4.58	4.48
Second:	2.96	2.87
Third:	1.91	1.84
Fourth:	1.44	1.41
Fifth:	1.00	1.00
Sixth:	0.74	0.74
Reverse:	2.94	2.88
Final drive ratio:	3.23 (FWD) 3.53 (AWD)	2.77

Chassis/Suspension

Front:	independent strut-type with tuned coil springs; direct-acting stabilizer bar; hydraulic ride bushings
Rear:	independent four-link with coil springs and trailing arm; stabilizer bar; hydraulic link bushings
Steering type:	rack-mounted electric power steering with 2.4L; hydraulic power rack-and-pinion with 3.0L
Steering ratio:	18.1:1 (2.4L) 17.4:1 (3.0L)
Steering wheel turns, lock-to-lock:	3.46 (2.4L) 2.90 (3.0L with 18-inch wheels) 2.80 (3.0L with 19-inch wheels)
Turning circle, curb-to-curb (ft / m):	40 / 12.2 (with 17- and 18-inch wheels) 42.6 / 13 (with 19-inch wheels)

Brakes

Type:	power front and rear vented discs, standard anti-lock brakes
Rotor diameter x thickness (in / mm):	front: 12.6 x 1.18 / 321 x 30 rear: 11.9 x 0.78 / 303 x 20
Total swept area (cu in / mm):	front: 20.7 / 526 rear: 15.3 / 390

Wheels/Tires

Wheel size and type:	17-inch aluminum (std. with 2.4L) 18-inch aluminum (std. with 3.0L) 19-inch aluminum (opt. with 3.0L)
Tires:	P225/65R17 all-season steel-belted radial blackwall tires P235/55R18 all-season steel-belted radial blackwall tires P235/55R19 all-season steel-belted radial blackwall tires

Dimensions

Exterior

Wheelbase (in / mm):	112.5 / 2857
Overall length (in / mm):	185.3 / 4705
Overall width (in / mm):	72.8 / 1850
Overall height (in / mm):	66.3 / 1684
Track (in / mm):	front: 62.9 / 1598 rear: 62.1 / 1578
Approach angle (deg):	14.8
Departure angle (deg):	23.2
Breakover ramp angle (deg):	16.5
Minimum ground clearance (in / mm):	6.9 / 174
Ground to rear load floor (in / mm):	28.8 / 731.2
Curb weight, base (lb / kg):	3798 / 1723
Weight distribution (front / rear):	58 / 42

Interior

Seating capacity:	5
Headroom (in / mm):	front: 39.8 / 1012 rear: 39.2 / 995
Legroom (in / mm):	front: 41.2 / 1046 rear: 37.2 / 946
Shoulder room (in / mm):	front: 55.7 / 1416 rear: 55.3 / 1404
Hip room (in / mm):	front: 55.1 / 1399 rear: 51.3 / 1304

Capacities

EPA interior volume (cu ft / L):	127.2 / 3602
Passenger volume (cu ft / L):	99.6 / 2820
Cargo volume (cu ft / L):	
Maximum behind rear seat:	31.6 / 894
Maximum behind front seat:	63.9 / 1809
GVWR, standard (lb / kg):	4960 / 2250
Payload, base (lb / kg):	1162 / 527
Trailer towing maximum (lb / kg):	1500 / 680 (2.4L)
	3500 / 1588 (3.0L)
Fuel tank (gal / L):	18.8 / 71.1 (2.4L)
	20.9 / 79.1 (3.0L)
Engine oil (qt / L):	5 / 4.7 (2.4L)
	6 / 5.7 (3.0L)
Cooling system (qt / L):	8.9 / 8.5 (2.4L)
	10 / 9.5 (3.0L)

*Pending SAE certification.

**SAE certified.

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