

## Camaro 1LE Combines Best of SS, ZL1

DETROIT – The road-racing-inspired Camaro 1LE performance package returns for 2013 with unique gearing, suspension tuning, and tires that makes the model capable of more than 1 g of lateral acceleration and a sub-three-minute lap time at Virginia International Raceway's Grand Course.

The package is offered on Camaro SS coupes with manual transmissions.

"The Camaro 1LE combines the best elements of the SS and ZL1 to take road-racing performance to a whole new level," said Al Oppenheiser, Camaro chief engineer.

"That the 1LE breaks the three-minute lap at VIR puts it in the upper echelon of performance cars. That it starts under \$40,000 makes the Camaro 1LE one of the most affordable, most capable track-day cars offered by any manufacturer."

In anticipation of consumers entering the 1LE in amateur-racing events, Chevrolet is pursuing SCCA approval of the 1LE package for Touring Class competition.

For 2013, all Camaro SS models including the 1LE will feature standard variable-effort electric power steering and an available dual-mode exhaust system.

Both features were introduced on the ZL1. Additionally, 2013 Camaro LT, SS and ZL1 models are available with Chevrolet's color touch radio with MyLink infotainment system.

"With the 2013 model year, Camaro offers something for almost every driver, including: the 323-horsepower, 30-

mpg ZLS; the all-new, 580-horsepower supercharged ZL1 convertible; the COPO Camaro for drag-racing; and the new 1LE for amateur track days," said John Fitzpatrick, Camaro marketing manager.

"We expect the range of choices, and enhancements for 2013, will help Camaro remain America's most popular sports car."

Camaro sales were up nearly 20 percent for the first two months of the year, building on an 8.5 percent gain for all of 2011.

The 1LE package goes on sale this fall with the 2013 Camaro line. Pricing will be released later this year.

The Camaro 1LE package was introduced in 1988, inspired by Camaro's involve-



2013 Chevrolet Camaro 1LE interior view.

ment in Pro-Am road racing.

For 2013, the 1LE package is offered only on 1SS and 2SS coupe models.

Both feature a 6.2L LS3 V8, which is rated at 426 horsepower and 420 lb-ft of torque. In addition, 1LE is only avail-

able with a six-speed manual transmission.

While the Camaro SS features a Tremec TR6060-M10 for all-around performance, the Camaro 1LE features an exclusive Tremec TR6060-MM6.

Paired with a numerically



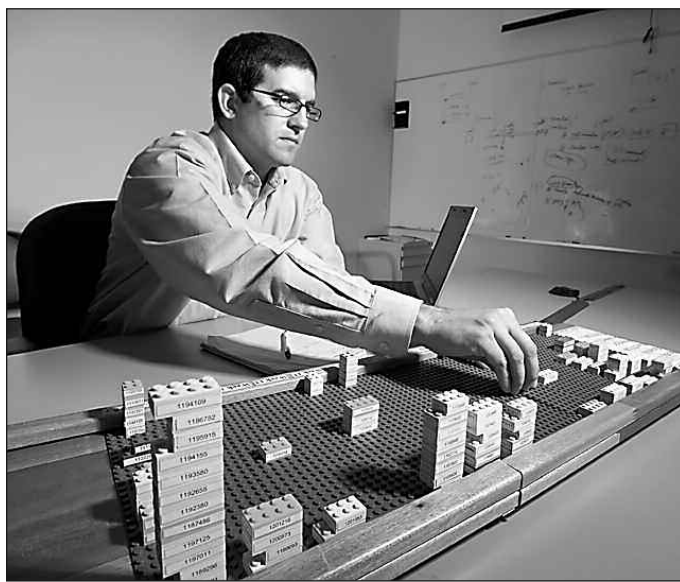
The 2013 Camaro 1LE offers a package that improves its road-racing performance. The 1LE model starts under \$40,000.

higher 3.91 final-drive ratio, the close-ratio gearing of the transmission is tuned for road-racing performance. As with the ZL1, the 1LE transmission features a standard air-to-liquid cooling system for track use.

The 1LE also has monotube rear dampers instead of the twin-tube as on SS models.

The new hardware allowed engineers to tune the 1LE suspension to focus on optimal body-motion control while preserving much of the ride quality and wheel-motion control of the Camaro SS.

The 1LE package is distinguished by its matte-black hood, front splitter and rear spoiler.



General Motors' Kevin Quinn, Vehicle Engineering Operations manager of Global Crossover Vehicles, works with a three-dimensional visualization system co-developed by GM and WellStar Health System that uses LEGO building blocks.

## GM Now Using LEGO Blocks for 3-D Visualization Projects – No, Really

DETROIT – Problem solving in the automotive and health care industries could soon have a new mantra: There's a brick for that.

That's because General Motors and WellStar Health System, a five-hospital, not-for-profit health system based in Marietta, Ga., created a three-dimensional visualization system using LEGO building blocks to track step-by-step progress on everything from vehicle repairs to patient care.

GM and WellStar created the system to be more organized and efficient and share what they learned. The ulti-

mate goal is happier customers – whether car owners or hospital patients.

At GM, the process could reduce by 33 percent the time needed to implement a change that would prevent future warranty repairs.

"The automotive and healthcare industries may be different, but we face similar challenges," said Tim Herrick, GM global vehicle chief engineer for trucks, vans and crossovers.

"If a customer visits a dealership service department, they expect their car to run better afterward, much like a sick or injured person ex-

pects to feel better after going to the hospital. 3-D Visualization helps manage both processes more efficiently."

3-D Visualization builds on GM's Problem Resolution Tracking System. If a transmission case breaks on a durability test vehicle, a problem resolution report documents the problem, and its corresponding LEGO block goes on a LEGO board.

The block color identifies the area on the vehicle and the block size denotes severity; the bigger the block, the bigger the problem. Each

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## Jeep Debuts Six-of-a-Kind Offroaders For Its 2012 Easter Week Utah 'Safari'

by Gerald Scott  
News Dept.

Of late, the Design courtyard outside of Chrysler Headquarters in Auburn Hills has become "Moab East."

That's because every March, Chrysler's Jeep division rolls out a good half-dozen concept vehicles that will premiere at the Easter Jeep Safari in Moab, Utah.

This year's event is scheduled for March 31 through April 8, the latter of which is Easter Sunday.

Early last week, Jeep and Mopar officials rolled out a half-dozen concept vehicles built just for Moab and the experience helps explain why devotion to the Jeep brand from its consumers is as loyal as it is.

"We're delighted to showcase six new vehicles to our loyal Jeep fans at this year's Moab Easter Jeep Safari," said Mike Manley, president and CEO of Jeep Brand, Chrysler Group LLC.

"The Jeep Safari has long been a great way for Jeep to

connect with its core audience. We look forward to spending the week demonstrating our latest potential production and customization ideas and gathering instant feedback from the most knowledgeable 4 x 4 enthusiasts in the world."

For the record, the vehicles included Jeep Grand Cherokee Trailhawk Concept; Jeep Wrangler Apache; Mighty FC Concept; Jeep J-12 Concept; Jeep Wrangler Traildozer, and a Mopar-accessorized Jeep Wrangler.

To create these six new vehicles, Jeep teamed with aftermarket brand Mopar to put everything together.

"Mopar is tapping into a growing trend among extreme Jeep enthusiasts who want even more power and capability on the trail," said Pietro Gorlier, president and CEO of Center Line-based Mopar.

"This year, Mopar is pushing the envelope in this arena by offering our customers new Pro 60 portal axles and a new HEMI conversion kit, which we will showcase in



PHOTO: GERALD SCOTT

The Jeep J-12 concept is essentially an extended version of Mopar's recently introduced JK-8 pickup conversion kit for the Jeep Wrangler. This truck's affectionate code name inside Jeep Design was OMT – Old Man's Truck.

these new vehicles.

"In addition, to further maximize our presence in the off-road market, we are creating a Mopar Off-Road division to develop Jeep Authentic Parts and Accessories."

Jeep engineers, working closely with Mopar's new off-road division, will create authentic parts and accessories



PHOTO: GERALD SCOTT

Mark Allen, head of Jeep Design, introduces six concept Jeep vehicles that will debut at the Easter Jeep Safari in Moab, Utah, March 31 to April 8. At left is the Mighty FC Concept, which harks back to Jeep Forward Control models of the 1950s and 1960s.

for Jeep vehicles.

Each part and accessory will be specifically designed, built and quality-tested in order to meet strict Jeep specifications and fulfill the Jeep brand's requirements for 4x4 capability, craftsmanship and versatility, officials say.

Since 2002, Jeep and Mopar have teamed to create more than 30 unique concept vehicles for enthusiasts who attend the popular Easter Jeep Safari every April.

One favorite in this year's bunch might've been the bright red, Jeep J-12 Concept

truck. With an exceptionally high clearance, it looks like it would be fun to go offroading in.

That, and learning that Jeep Design's "code name" for the truck during development was OMT – for "Old Man's Truck."



Brighton aftermarket auto executive Ken Lingenfelter and his wife Kristen purchased this special GM Oshawa plant poster with proceeds benefiting the Make-A-Wish Foundation. The poster was signed by GM Oshawa Plant employees.

## Lingenfelter Poster Purchase Benefits Make-A-Wish

DECATUR, Ind. - Ken Lingenfelter, owner of Lingenfelter Performance Engineering, recently had the winning bid on a limited edition Camaro Print from General Motors Canada's Oshawa Assembly Plant.

That plant, which builds the Camaro, commissioned the unique poster, whose sale proceeds benefited the Make-A-Wish Foundation.

Featuring more than 587 Camaros staged in a Chevrolet Bowtie configuration, the poster commemorates the 2011 open house at Oshawa Assembly Plant and the annual Camaro Nationals event, which is held in the plant parking lot and hosted by the Ontario Camaro Club.

The poster was signed by Oshawa Plant employees and

auctioned on eBay by the enthusiast site Camaro-5150.com.

"Lingenfelter Performance Engineering has been in business more than 34 years, successfully building performance cars and parts for General Motors products," said Owner Ken Lingenfelter.

"We are honored to add this Camaro Print to our collection of industry memorabilia, not only because we're committed to supporting great causes like the Make-A-Wish Foundation but also to show our company's appreciation of the hard-working employees at the Oshawa Camaro Plant who build the great cars that have become such a large part of our thriving business."

The performance specialists offer a range of Camaro products, including the LPE 800-horsepower turbo-charged engine package, 9.5 Camaro differentials, ring and pinion sets, and body kits.

Lingenfelter will take the framed Camaro Print to upcoming events, including the first annual Lingenfelter Performance Nationals – a jam-packed weekend featuring drag racing, autocross, a car show, speed stop challenge, countryside cruise and a manufacturers' midway Sept. 21-23, 2012, at Summit Motorsports Park in Norwalk, Ohio.

In addition, Lingenfelter is planning future Make-A-Wish Foundation events at The Lingenfelter Collection in Brighton, Mich.

Featuring 200 race cars, muscle cars, Corvettes and exotic vehicles from around the world, the ever-evolving Lingenfelter Collection features everything from the historically significant 1955 Duntov Corvette mule car to a Bugatti Veyron, an Enzo Ferrari and a Lamborghini Reventon.

For more than 34 years, Lingenfelter Performance Engineering has brought new capabilities to the world's most sought-after sports cars.

The record continues today, as the Lingenfelter production team continues to target design excellence in engine packages, superchargers and high-performance aftermarket components that refine power, speed and control.