## Detroit Auto Scene®

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**FEBRUARY 16, 2015** 





GM has made the decision to make the concept car 2015 Chevy Bolt, here seen from front and back, a reality.

## Pure EV, Based on Chevrolet Bolt Concept, On Its Way to Orion Assembly Production

Yes, GM will offer the Chevro- quickly because of its potential let Bolt EV to customers.

What was a concept car just a month ago at the North Ameri-Detroit will soon be a production

Well, maybe not exactly the car that was the concept, but certainly based on the Bolt EV.

Chevrolet Feb. 12 confirmed that it will build its next-generation pure electric vehicle at General Motors' Orion Assembly facility near Detroit.

GM North America President Alan Batey made the announcement ahead of the Chicago Auto

"The message from consumers about the Bolt EV concept was clear and unequivocal: Build it," said Batey. "We are moving

to completely shake up the status quo for electric vehicles."

Chevrolet officials have not can International Auto Show in put a time line on when the Bolt will be available to customers.

Leveraging the industry-leading battery technology found in the Chevrolet Volt and Spark EV, the Bolt EV concept was developed as a game-changing, longrange pure electric for all 50 states, designed to offer more than a GM-estimated 200 miles of range at a target price of around \$30,000, Batey said.

The concept vehicle features selectable driving modes for preferred driving styles, such as daily commuting, and it was designed to support DC fastcharging, Batey said.

"We're proud that Chevrolet

has decided to produce the Bolt EV here in Michigan at the Orion Assembly facility," Gov. Rick Snyder said in a statement to the me-

"Michigan unquestionably remains the global automotive leader. Chevrolet is tapping a skilled workforce that includes some of the most talented and hard-working people in the world for this cutting-edge vehicle. Chevrolet is an important part of our state's automotive history, and Michigan-made products like the Bolt EV point to a bright future as well.

Start of production and additional details will be announced

later, said Batey. GM's Orion Assembly, home of

CONTINUED ON PAGE 2

## Fiat Chrysler's Bruce Davis Honored as Black Engineer

U.S. Black Engineer & Information Technology magazine awarded a 2015 Be Everything You Are (BEYA) Special Recognition Award to Fiat Chrysler's Bruce Davis, project chief in Electrical Systems & Components Vehicle Integration.

Davis was honored at the 29th BEYA STEM Conference and Career Fair dinner Feb. 7 in Washington, D.C.

The award honors outstanding leaders in the science, technology, engineering and math (STEM) fields and provides opportunities for professional development, networking and recruiting.

Three other FCA US engineers were honored as Modern Day Technology Leaders at the conference, said Fiat Chrysler spokeswoman Valerie Oehmke.

"Bruce is an accomplished engineer and outstanding leader dedicated to the creation of exceptional products," said John Nigro, Fiat Chrysler North America's vice president of Product Development.

"Bruce's drive and technical expertise make him a valuable member of the FCA US engineering team and a respected member of his community."

Davis was appointed project chief - Electrical Systems & Com-



**Bruce Davis** 

ponents Vehicle Integration at Fiat Chrysler in 2013. In this position, he oversees the development of electrical components and systems ensuring they are aligned with quality, performance, timing and cost targets, Oehmke said. He joined the company as a cost and integration engineer in 2010.

Davis is active in the communivolunteering through Focus: HOPE, delivering food packages to Detroit-area residents and working with his church to serve those who are

**CONTINUED ON PAGE 2** 

The 2016 Ford Police Interceptor

## **Ford Police Advisory Board Helps Develop 2016 Utility**

Ford unveiled the 2016 Ford Police Interceptor Utility vehicle is the best-selling police vehicle at the Chicago Auto Show Feb. in America because we have a

for the utility that has changed tening to the Ford Police Advisothe face of law enforcement, said Jonathan Honeycutt, Ford North American marketing manager for Police Vehicles.

Since its introduction in 2012, Police Interceptor Utility quickly became America's best-selling police vehicle, helping Ford capture 55 percent of the U.S. law enforcement vehicle market, Honeycutt said.

The 2016 Ford Police Interceptor Utility was developed with input from the Ford Police Advisory Board to handle the extreme rigors of police duty.

In the business of fighting crime, performance and durability matter a great deal, Honeycutt said. Ford Police Interceptor Utility is the only Pursuit-Rated midsize utility vehicle; Ford's utility and sedan versions are the only Pursuit-Rated vehicles with standard all-wheel drive, Honeycutt

"Our Police Interceptor Utility unique relationship with our cus-This kicks off a new chapter tomers," said Honeycutt. "By lisry Board, we have engineered a vehicle that officers love."

The board was created by Ford to refine and develop future products that meet the needs of law enforcement agencies, Honeycutt said.

Started in 2000, it consists of a rotating panel of 25 experts from the law enforcement community. The group has supplied Ford with customer feedback and served as a pilot group for products, programs and services.

Honeycutt said the 2016 Ford Police Interceptor Utility features a new design, as well as Available Surveillance Mode technology, which warns the driver when someone approaches the rear of the vehicle. Upon detection, the driver's window automatically raises and all doors lock. Ford is the first manufacturer to bring

CONTINUED ON PAGE 4

## Senator Probing Chance of Auto Cyber Threat

WASHINGTON (AP) - Automakers are cramming cars with wireless technology, but they have failed to adequately protect those features against the real possibility that hackers could take control of vehicles or steal personal data, a member of the U.S. Senate is asserting.

Basing his argument on information provided by manufacturers, Sen. Edward Markey has concluded that "many in the automotive industry really don't understand what the implications are of moving to this new computer-based era" of the automobile.

The Massachusetts Democrat has asked automakers a series of questions about the technologies and any safeguards against hackers - that may or may not have been built into the latest models of their vehicles. He also asked what protections have been provided to ensure that information computers gather and often transmit wirelessly isn't used in a harmful or invasive manner.

Appearing Feb. 9 on "CBS This Morning," Markey said motorists should be asking questions because "there really aren't any clear guidelines on the books."

Markey said the movement of the automobile from the combustion engine era to the computer era carries wide implications. "No longer do you need a crowbar to break into an automobile," he said in the interview. "You can do it with an iPad."

Markey posed his questions after researchers showed how hackers can get into the controls of some popular cars and SUVs, causing them suddenly to accelerate, turn, sound the horn, turn headlights off or on and modify

speedometer and gas-gauge

The responses from 16 manufacturers "reveal there is a clear lack of appropriate security measures to protect drivers against hackers who may be able to take control of a vehicle or against those who may wish to collect and use personal driver information," a report Markey's staff concludes.

Today's cars and light trucks typically contain more than 50 electronic control units - effectively small computers – that are part of a network in the car. At the same time, nearly all new cars on the market today include at least some wireless entry points to these computers, such as tire pressure monitoring systems, Bluetooth, Internet access, keyless entry, remote start, navigation systems, WiFi, anti-theft systems and cellular-telematics. the report said.

Only three automakers said they still have some models without wireless entry, but those models are a small and declining share of their fleets.

"Americans are basically driving around in computers," Markey said.

Most new cars are also capable of collecting large amounts of data on a vehicle's driving history through an array of pre-installed technologies, including navigation systems, telematics, infotainment, emergency assistance systems and remote disabling devices that allow car dealers to track and disable vehicles whose drivers don't keep up with their payments or that are reported stolen, the report said.

Half the manufacturers said they wirelessly transfer information on driving history from vehicles to another location, often using third-party companies, and most don't describe "an effective means to secure the data," the report said.

Manufacturers are also using personal vehicle data in various and often vague ways to "improve the customer experience," the report said. Policies on how long they store drivers' information vary considerably. Customers often are not made aware explicitly of the data collection and, when they are, they frequently cannot opt out without disabling valuable features like navigation.

Last November, 19 automakers accounting for most of the passenger cars and light trucks sold in the U.S. agreed on a set of principles to protect motorists' pri-

**CONTINUED ON PAGE 7** 



Cars' wi-fi vulnerable to hacking?

## EV, Based on Chevy Bolt, Will Go Into Production at Orion

**CONTINUED FROM PAGE 1** 

the Chevrolet Sonic sub-compact and Buick Verano luxury compact, and Pontiac Metal Center facilities are receiving a \$200 million investment to support production of the next-generation electric vehicle, Batey said.

Orion will receive \$160 million for tooling and equipment, and Pontiac will receive \$40 million for new dies.

"As one of the most environmentally progressive facilities in GM's global network, Orion Assembly is uniquely suited to build this game-changing electric vehicle," said Doug Hanly, Orion Assembly and Pontiac Metal Center plant manager. "In partnership with UAW Locals 5960 and 653, we're committed to building the highest level of quality into it.'

"This is very exciting for our members who were facing the possibility of losing that plant during the auto crisis," said UAW

vice president Cindy Estrada, director of the union's GM Depart-

to have their plant chosen to produce what is sure to be another popular and dynamic Chevy product rolling off the line at the Orion Assembly Plant."

Orion Assembly is powered by gas from two nearby landfills, which saves more than 6,300 tons of CO2 from entering the atmosphere annually. said GM

It is also home to a 350-kilowatt solar array that produces the energy equivalent to power 165 homes and sends enough energy back to the grid to power about 45 homes.

Orion Assembly is the first GM facility to receive the Clean Corporate Citizen designation by the State of Michigan, and the Pontiac plant has earned the U.S. Environmental Protection Agency's ENERGY STAR Challenge for In-

## Fiat Chrysler's Bruce Davis **Honored as Black Engineer**

**CONTINUED FROM PAGE 1** 

sick or shut-in due to age or disability. He also tutors math students in the Troy Public School system, Oehmke said.

"I owe much of who I am to the strong African-American leaders who have paved the way for my success," Davis said.

"I am inspired by these outstanding people and role models and know that it is both my responsibility and privilege to serve the community and inspire the next generation. I am very appreciative of all this recogni-

The following Fiat Chrysler employees, Oehmke said, earned recognition from BEYA as Modern Day Technology Leaders for 2015:

- Harold Hill Air Induction Systems engineer;
- Felisha James Subsystem Cost Innovation engineer;
- Naomi Thomas Product Lead engineer.

Fiat Chrysler has a longstanding commitment to recruiting diverse talent and supporting education initiatives for minorities in

STEM, Oehmke said. For the past several years, Fiat Chrysler has been named a top supporter of engineering programs at the nation's historically

black colleges and universities,

Oehmke said. The company also sponsors Great Minds in STEM, an organization that provides scholarships to Hispanic students majoring in STEM fields.

The company also supports various organizations that advance women's involvement in STEM professions, including the Michigan Council of Women in Technology and the Society of Women Engineers.

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31201 Chicago Road South Warren, Michigan 48093 586-939-6800

Contact us:

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spokeswoman Annalisa Bluhm.

dustry three times, Bluhm said.



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**FEBRUARY 16. 2015** "FIRST IN THE HEART OF DETROIT SINCE 1933"

## GM's Ed Welburn Named 'Black Engineer of Year'

General Motors Vice President of Global Design Ed Welburn received the Black Engineer of the Year Award at this year's Becoming Everything You Are (BEYA) STEM conference Feb. 7.

Some 6,500 conference attendees - students, educators and industry representatives watched Saturday evening as GM Board of Directors member Errol Davis and Executive Vice President of Global Product Development, Purchasing and Supply Chain Mark Reuss, presented the top award to Welburn.

Welburn is the first African American to lead a global automotive design organization.

GM spokeswoman Andrea Taylor said that the BEYA's 29th annual conference was the first time a GM employee has received the top honor.

Seven GM professionals took home awards this year, including the Most Promising Scientist recognition awarded to Justin McDade.

The three-day conference focused on networking and career building with a focus on the importance of hiring military veterans, Taylor said.

"This gives the students a chance to see and interact with successful engineers who were students themselves," Taylor said.

"There is also a job fair component, so it gives companies like GM the chance to meet with possible employees. STEM is very important to a global company like GM, and having the opportunity to show our support for STEM students is important as well."

Welburn was named vice president of GM Design North America on Oct. 1, 2003, becoming just the sixth Design leader in GM history. On March 1, 2005, Welburn was named to the newly created position of GM vice president, Global Design, and the first to lead all of the company's Global Design Centers. Welburn also serves on the company's Executive Operations Committee.



Ed Welburn

As vice president of Global Design, Welburn has created a network of 10 design centers in seven countries around the world.

He and his team of more than 2,000 men and women are responsible for the design development of every GM concept and production car and truck global-

The Design Centers are located in the United States, Germany, Korea, China, Australia, Brazil and India.

Welburn began his General Motors career in 1972 as an associate designer assigned to the Advanced Design Studios. In 1973, he joined the Buick Exterior Studio where he worked on the Buick Riviera and Park Avenue.

In 1975, he was assigned to the Oldsmobile Exterior Studio. There, he led the development of a number of successful production vehicles and designed the Oldsmobile Aerotech speedrecord vehicle, which set two world records of more than 257 miles per hour in 1987.

He was named chief designer of the Oldsmobile Studio in 1989. Projects there included the Oldsmobile Antares concept car and the Oldsmobile Intrigue, both of which received Auto Week magazine awards at the North American International Auto Show in Detroit.

## Mopar Honors Local Technician for Skill

Fiat Chrysler technicians from across the United States have received recognition in the Mopar "Top Tech" program.

For providing an elite level of customer service at FCA U.S. dealerships and for exemplifying what the brand represents, 27 technicians were chosen from a group of more than 20,000 eligible candidates who were winners of the prestigious 2014 Mopar "Top Tech" honors.

"They all demonstrate a consistently high level of commitment and dedication in the service lane," said Pietro Gorlier, president and CEO - Mopar Brand Service, Parts and Customer Care, FCA - Global.

The Mopar "Top Tech" Program, reintroduced for 2014, rewards technicians who maintain and repair vehicles in a quick and efficient manner, delivering superb customer service, said Fiat Chrysler spokeswoman Beth Ann Bayus. Techs also are recognized for their proficiency in areas including training and diagnostic capability.

The 27 technicians chosen to receive recognition hail from 26 Fiat Chrysler dealerships across 17 different states. The Michigan winners were Kelvin Lapham of Wayland Chrysler in Wayland and Thomas Robinson of Northland Chrysler Jeep Dodge in Oak

"These technicians are our superstars of the service lane, and a big part of what keeps customers coming back to our FCA US dealerships," said Gorlier.

"It is truly a great honor for each of these winners to receive one of only 27 Mopar 'Top Tech' Awards handed out in 2014. We thank each one of them for their elite customer service and our

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Fiat Chrysler dealership technician Thomas Robinson of Warren

FCA dealership partners for nur-receive this award from Chrysler. turing a fantastic work environment in which technicians such as these can thrive.

As part of the Mopar "Top Tech" award, winners were treated to a two-day, all-inclusive trip to FCA US headquarters in Auburn Hills in January, with activities including a tour of developmental labs and the FCA US wind tunnel, a visit to the Sterling Heights Assembly Plant, and industry preview access to the North American International Auto Show in Detroit, Bayus said.

Robinson, a technician for Northland Chrysler Jeep Dodge, who lives in Warren and works in Oak Park, said, "It was great to

And I learned a lot. It was a way for Chrysler to show us technicians just how things are done.

"We got to see labs, visit where the cars are built and learn about administration and how things are done. At least for me, that gave me some insight and will help me do my job better. It's also nice to just receive some recognition. A lot of people don't really recognize us technicians for the work we do, so when a company like Chrysler does, it feels like a real honor.'

Honorees received a plaque from Gorlier at the 2014 Mopar "Top Tech" awards banquet in Metro Detroit this January.







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#### Mopar Has Hot Start in Hot Rod Racing Season

Talk about starting the racing season with a bang.

A dramatic explosion and a starting spot in the bottom part of the field couldn't keep Matt Hagan from making history at the season-opening National Hot Rod Association (NHRA) Winternationals on Feb. 8, as the 2014 NHRA Funny Car champ commenced his title defense by racing the new 2015 Mopar Dodge Charger R/T to victory at Auto Club Raceway near Pomona, Calif., in the body's competition debut.

The win, said Fiat Chrysler spokesman Darren Jacobs, represents the triumphant culmination of a year-long commitment in which the Mopar brand, along with Fiat Chrysler engineers and additional personnel, worked hand-in-hand with Don Schumacher Racing (DSR) drivers and teams to validate, test and create a more durable, driverfriendly winning machine that also features enhanced styling cues from the 2015 production Dodge Charger.

It also marks the second time in less than a year that an NHRA race body developed by Mopar and Fiat Chrysler has been victorious in its competition debut last season Allen Johnson steered the Dodge Dart Pro Stock body to a NHRA Gatornationals win in its maiden voyage.

"Congratulations from everyone at Mopar to Don Schumacher Racing for putting two new vehicles into the final, and to Matt Hagan for driving the 2015 Dodge Charger R/T to the winner's circle in its debut," said Pietro Gorlier, CEO, Mopar Brand Service.

#### **Police Advisory Board Helps Plan 2016 Ford Utility**

CONTINUED FROM PAGE 1

this feature to market.

As a direct response to customer feedback, Honeycutt said Ford added a liftgate release switch, accessible to occupants in the front. It allows the rear liftgate mechanism to remain unlocked for 45 seconds before timing out, permitting officers to access the cargo area. A rear camera with washer is standard for the 2016 model with a 4-inch screen in the center stack.

The Ford Police Interceptor Utility will come standard with a 3.7-liter V6 producing 304 horsepower and 279 lb.-ft. of torque, while an available 3.5-liter Eco-Boost V6 makes 365 horsepower and 350 lb.-ft. of torque, allowing agencies to select the engine that best meets their patrol requirements. Police Interceptor Utility's standard all-wheel drive is designed to deliver low-speed traction and high-speed handling and stability.

Both engines have been calibrated to meet extreme test requirements defined by the Michigan State Police and Los Angeles County Sheriff's Department. Tests include aggressive driving on road courses and racetracks. braking and acceleration, top speed and city pursuit testing, said Arie Groeneveld, chief engineer for the new Police Intercep-

Honeycutt said Police Interceptor Utility and Police Interceptor Sedan are sold in more than 80 markets around the world. They will be built at Ford's Chicago Assembly Plant. Once initial work is completed at Chicago Assembly, the vehicles are transported less than a mile away to Troy Design and Manufacturing to be upfitted with law enforcement equipment.



The AAM world headquarters in Detroit with its building wrap

## **AAM Displays 'The Power to Drive the Industry' Theme**

It's a wrap for American Axle & major auto manufacturers. Manufacturing (AAM).

David Tworek, an AAM communications specialist, said the company has been a fixture of Detroit's auto manufacturing industry since 1994, and the company is celebrating that fact by placing a building wrap on the outside of its world headquarters, which borders the I-75 service drive just north of Holbrook in Detroit.

"A lot of people see our building as they drive down I-75 to get to downtown Detroit," Tworek said. "In the past, Chrysler has put giant wrap decals on the outside of its world headquarters in Auburn Hills to celebrate the company's accomplishments. We decided to do the same thing with our headquarters, starting the week of the 2015 Detroit auto show."

Tworek said many people drive by the building every day, but he said that many don't realize that it's the headquarters of AAM and that AAM is a supplier of driveline and drivetrain systems and related components for

AAM is a leading, global Tier-One automotive supplier of driveline and drivetrain systems and related components for light trucks, SUVs, passenger cars, crossover vehicles and commercial vehicles that is cost competitive and operationally flexible. This wrap helps promote that message, Tworek said.

"AAM moved into the building back in 2003," Tworek said. "It is just one of several buildings the company maintains in metro Detroit.

"We've received quite a few responses. They've told us they're surprised that AAM is such a major auto supplier, so putting up the wrap is working. We maintain a strong presence throughout metro Detroit, but our world headquarters is in the city, and we're proud of that fact and proud to let the world know who we are.'

The 90-by-27-foot wrap will be on display through February. A tagline highlighting its core drivetrain business reads, "The power to drive the industry."





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• AM/FM/XM Radio w/CD! • 16" Aluminum Wheels! Tilt and Telescopic Steering Column! 38 MPG on the Highway! Stock#F21968 Was \$20,920 NO SECURITY

Sale \$17,044°

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### 2015 MALIBU "LT"

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Aluminum Wheels! 36 MPG on the Highway! ock#F22289 Was \$24,560 NO SECURITY DEPOSIT REQUIRED. TAX, TITLE AND PLATE FEES EXTRA!

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• 2 Yr/24,000 Scheduled Maintenance INCLUDED! • 3.6L SIDI V6 Engine! • 6.5" Color Touch Screen Radio!



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13 AVAILABLE

2015 CTS 2.0L TURBO STANDARD COLLECTION



49 AVAILABLE

EMPLOYEE \$

36 MONTH/10K PER YEAR

36 MONTH/10K PER YEAR

#### **2015 XTS FWD** STANDARD COLLECTION



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2016 ATS-V

## **Dealers Now Taking Orders** For New 2016 Cadillac ATS-V

The promise of a new Cadillac launch control and Performance is almost here.

Cadillac dealers have begun accepting orders for the 2016 ATS-V – the brand's inaugural luxury compact performance car starting production this spring, said GM spokesman Brian Cor-

Available in sedan and coupe forms, the twin-turbocharged ATS-V offers a dual-purpose luxury performance experience, Corbett said, adding that it's a car with "true track capability straight from the factory with sophisticated road manners."

Powered by the segment's highest-output six-cylinder engine - the Cadillac Twin Turbo rated at 455 horsepower and 445 lb.-ft. of torque - the ATS-V achieves 0-60 performance in 3.9 seconds and a top speed of 189

The Cadillac Twin Turbo engine is backed by a six-speed manual - with Active Rev Match, no-lift shifting and launch control - or a paddle-shift eight-speed automatic transmission featuring Algorithm Shift, Corbett said.

The V-Series is the ultimate expression of Cadillac's re-ignited product substance and the passion at the core of our brand," said Cadillac President Johan de Nysschen.

"The ATS-V expands the V-Series lineup, bringing a new kind of performance character to Cadillac. Lightweight, agile and potent, the ATS-V will make an ideal pairing with the larger and even more powerful all-new 2016 CTS-V midsize sedan, which arrives later this summer.'

In the U.S., the 2016 ATS-V sedan carries a starting price of \$61,460 and the ATS-V coupe is priced from \$63,660, Corbett

He said consumers can order ATS-Vs now through dealers and begin specifying their own ATS-V online at www.cadillac.com in April.

The vehicle is based on GM's Alpha platform and will be manufactured at GM's Lansing Grand River facility.



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#### **Chevrolet Makes** Top 10 List for **Most Anticipated** Vehicles of 2015

AutoTrader.com analysts say 2015 is shaping up to be another strong sales year for the automotive industry, and manufacturers are already unveiling new vehicles to lure shoppers to their showrooms in the New Year.

To help consumers get a jump start on their shopping lists, AutoTrader.com's spokeswoman Kristin Ballard said the company's editorial team has identified the 10 vehicles that they're most looking forward to seeing on dealer lots in 2015.

'Our list includes a cross-section of vehicles we think are likely to be some of the most sought-after cars and trucks this year," AutoTrader.com site editor Brian Moody said.

"The truck segment is getting even more competitive, as several new models will be added to a lineup that already has a lot of fresh product. Several iconic sports cars are also getting a makeover, and some interesting new luxury entries will be making their debut."

In a recent poll, more than two-thirds of AutoTrader.com visitors said that it's important to be aware of new model launches and redesigns when shopping for a car. Moody said all car shoppers can benefit from staying apprised of new model launches and vehicle redesigns -"even if you're looking for used or certified pre-owned."

He said, "Many dealers may offer savings on remaining stock of the outgoing model, and this can trickle down into CPO and used as well.

"If you don't have to have the latest and greatest, cross-shopping new vs. outgoing models is a great way to get more car for your dollar."

AutoTrader's most-anticipated new vehicles of 2015 include:

- Mazda MX-5 Miata;
- Ford Mustang Shelby GT350;
- Nissan Titan; • Chevrolet Corvette Z06;
- Jaguar XE;
- Mercedes-Benz S550 PHEV; Volkswagen Golf R;
- Chevy Colorado Duramax Diesel;
- Jeep Renegade;
- · Toyota Tacoma.

#### **Cyber Security Major Issue for** Automakers?

CONTINUED FROM PAGE 1

vacy. The voluntary agreement was aimed in part at heading off possible legislation. Markey has said voluntary efforts don't go far enough.

The auto industry is also in the early stages of establishing a voluntary information sharing and analysis center or other comparable program about existing or potential cyber-related threats. "But even as we explore ways to advance this type of industrywide effort, our members already are each taking on their own aggressive efforts to ensure that we are advancing safety," the Alliance of Automobile Manufacturers said in a statement.

The Society of Automotive Engineers also has established a security committee that is evaluating the vulnerability of cars to hacking and is drafting "standards and best practices to help ensure electronic control system safety," the alliance said.

The Association of Global Automakers, another trade association, said the responses provided to Markey are many months old and don't reflect extensive discussions between the industry and federal technology.



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