# **Detroit Auto Scene**

#### "FIRST IN THE HEART OF DETROIT"

VOL. 83 NO. 21

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Larry Conarton, right, and Ben Spedoske build new Camaros.

### LGR Plant Receives \$175M **Investment for 2016 Camaro**

To make the best car - in this the last five years, said GM case the sixth-generation Chevy Camaro – you have to have the best and most modern equipment.

To that end, GM is spending \$175 million in investment for new tooling and equipment at the General Motors Lansing Grand River Assembly Plant in Lansing, which is where the Camaro will be built.

This investment will also make possible the return of hundreds of workers "to build America's best-selling performance car" for

spokesman Monte Doran. The fifth-generation Camaro is built at GM's Oshawa, Ontario, facility. Doran said that production is being moved to Lansing so that GM can consolidate production of all its rear-wheel drive vehicles in one location. GM builds several Cadillac rear-wheel models at the site currently.

The facility improvements include three new paint systems for Camaro-specific colors: Sum-

CONTINUED ON PAGE 2

### **Chrysler Employees Give to Community**

On May 23 400 elementary, middle and high school students on the eastside of Detroit became the proud recipients of new bikes, helmets, locks and new books during the Big Bike and Book Giveaway Day, at the Detroit Redeem Center, located on the city's eastside.

"This is a real volunteer efsaid Fiat Chrysler fort." spokesman Kevin Frazier. "We worked with Communities In Schools of Metropolitan Detroit (CIS) on this program, which is designed to provide student with the resources they need to stay in school. The students who received a bike were chosen by the Detroit Eastside Community Collaborative (DECC), which is a neighborhood organization that does work in the Eastside area.'

The Big Bike and Book Giveaway Day, created by Fiat Chrysler and the DECC), Frazier said, recognizes Detroit students who have demonstrated improved academic performance, attendance and good citizenship. The program also promotes fun, healthy lifestyles that include exercise such as biking.

'The progress that these students have made in the classroom and as good citizens is another reason to be hopeful about Detroit's future," said Jody Trapasso, senior vice president - Ex-



Clarence Batemen watches daughter Essence on her new bicycle.

ternal Affairs, FCA North America and President of the FCA Foundation. "We hope these students continue on the path to success, and also take some time out to

enjoy their new bikes and books." Students selected to receive the bikes and books at the Big

CONTINUED ON PAGE 3

### **Borg-Warner Provide Winning Parts at Indy**

BorgWarner president and Chief Executive Officer James R. Verrier presented the Borg-Warner Trophy to 2015 Indianapolis 500 winner Juan Pablo Montoya in Victory Lane at the 99th running of the famous race on May 24. This is Montoya's second victory, earning him two images on the iconic trophy. His first win was 15 years ago, the longest time between victories for any Indianapolis 500 winner.

"At BorgWarner, we are all proud to be part of the long tradition of achievement, performance and technology leadership at the Indianapolis 500, symbolized by the Borg-Warner Trophy and exemplified by the EFR turbochargers that boost every competitor," said Verrier. "Our EFR turbochargers have earned a reputation for performance and dependability, the same attrib-

Verrier said, also delivers compact packaging, quick response, greater flow capacity, lightweight Gamma-Ti turbine wheels, stainless steel turbine housings, ceramic ball bearing technology and an aluminum bearing hous-

The EFR-7163 turbocharger, ing. And for an easier retrofit experience, these turbochargers offer integrated features including а compressor recirculation

valve, electronic boost control solenoid and flexible compressor

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### Ford Shares 'Green Tech' **To Speed Up Innovation**

ing its best ideas.

Ford Motor Company is offering competitors access to its electrified vehicle technology patents - a move to help accelerate industry-wide research and development of electrified vehicles.

In 2014, Ford filed more than 400 patents dedicated to electrified vehicle technologies. This is more than 20 percent of the patents the company filed - totaling more than 2,000 applications.

"Innovation is our goal," said Kevin Layden, director, Ford Electrification Programs. "The way to provide the best technology is through constant development and progress. By sharing our research with other companies, we will accelerate the growth of electrified vehicle technology and deliver even better products to customers." Ford Motor Company is a leader in this area – offering six hybrid or fully electrified vehicles including Ford Focus Electric, Ford Fusion Hybrid, Ford Fusion Energi plug-in hybrid, Ford C-MAX Hybrid, Ford C-MAX Energi plug-in hybrid and Lincoln MKZ Hybrid, Layden said. In total, Ford has more than 650 electrified vehicle patents and ap-1,000 proximately pending patent applications on electrified vehicle technologies. Ford's innovations have resulted in acclaimed electrified vehicles on the road today, but the company believes sharing its patented technologies will promote faster development of future inventions as all automakers

Ford has a better idea - shar- look toward greater opportunities.

> "As an industry, we need to collaborate while we continue to challenge each other," said Layden. "By sharing ideas, companies can solve bigger challenges and help improve the industry.'

> To access Ford's patents and published patent applications, interested parties can contact the company's technology commercialization and licensing office, or work through AutoHarvest - an automaker collaborative innovation and licensing marketplace, said Ford spokesman Aaron Miller.

AutoHarvest is comprised of many different businesses and universities, Miller said. "Other members include such

utes personified by the people of BorgWarner."

Verrier said the EFR offers "an unprecedented combination of advanced technologies" and the BorgWarner's turbochargers built for the Verizon IndyCar Series feature low-weight Gamma-Ti turbine wheels for quick boost response.

The cast stainless steel turbine housing increases efficiency, improves durability and resists corrosion, Verrier said. Patent-pending ceramic ball bearings increase thrust capacity and durability while improving transient response

This advanced racing technology is now available through BorgWarner distributors, Verrier said. The EFR-7163 turbocharger offers street and race enthusiasts the same powerful performance as professional teams from the Verizon IndyCar Series.

BorgWarner's James Verrier with Indy 500 winner Juan Pablo Montoya.

entities as General Motors, United Technologies, 3M, Johnson Controls and the University of Michigan, just to name a few," Miller said.

AutoHarvest allows members to showcase capabilities and technologies, then privately connect with fellow inventors to explore technology and business development opportunities of mutual interest. The patents would be available for a fee, Miller said.

"Ford helped launch AutoHarvest as a founding member to enable efficient and transparent technology licensing across the automotive industry and bevond," said Bill Coughlin, president and CEO, Ford Global Technologies, which manages intellectual property for Ford.

'The whole idea behind Auto-

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#### LGR Plant Gets \$175 Million for New Camaros

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mit White, Bright Yellow, and Red Hot, Doran said. The investment also includes installation of two robotic framers, which allow better dimensional control to provide a more precise drive experience.

The Lansing Grand River Assembly Plant will resume a second shift of 500 jobs in late summer, said facility spokeswoman Erin Davis.

The 2016 Chevrolet Camaro was introduced on Detroit's Belle Isle on May 16. The current generation Camaro has been America's favorite performance car for five consecutive years, Doran said, attracting both longterm Camaro fans and new buyers to Chevrolet.

To improve on that success, the sixth-generation Camaro elevates every aspect of Camaro with a suite of new technologies, even higher levels of performance and fuel economy, and a leaner, more athletic design, Davis said.

"I may be the luckiest mayor in America today," said Lansing Mayor Virg Bernero. "Gearing up for full-scale production of the legendary Chevy Camaro is a new high point in the more than two decades of extraordinary partnership between the City of Lansing, General Motors and the UAW.

"We build the best cars in the world right here in Lansing, and we're delighted to welcome the 2016 Chevy Camaro to the Lansingmade family of great automobiles."

The May 28 announcement combined with others in the last four weeks accounts for nearly \$2.8 billion of the \$5.4 billion that GM said April 30.

With this investment in tooling and equipment, we will continue to do our part to build on the high-quality reputation of this iconic car," said GM North American Manufacturing manager Scott Whybrew. "These investments in the Lansing plants are proof of the teams' quality commitment, to put the customer at the center of everything we do!" "UAW members have proudly built vehicles in Lansing for more than 100 years," said UAW Vice President Cindy Estrada. "As we help prepare for the launch of the all-new Camaro, we are pleased to continue our tradition of producing quality cars that we love to craft and build and our customers love to drive."

### Peregrine Falcon from Windsor Finds New Home in Warren

by Jim Stickford

The name and owners of the building might change, but that hasn't stopped a pair of peregrine falcons from making it their nesting home.

The building in question is the former Campbell Ewald building on Van Dyke in Warren, across the street from the Tech Center. The building was purchased by GM after the Campbell Ewald advertising agency moved to offices in downtown Detroit in the fall of 2014.

On May 26, representatives from GM, the state of Michigan and the Detroit Zoo, witnessed the banding or tagging of three chick peregrine falcons who recently hatched on the roof of the building.

This was possible because starting in 2013, a pair of peregrine falcons used the roof of the building to build a nest. Since then a pair of falcons have nested on top of the building and raised "fledgings," said Sue Kelsey, bio-diversity program manager for GM.

When it was discovered that falcons were using the top of the building as a nesting area, Kelsey said, officials from the Michigan Department of Natural Resources (DNR) began placing bands on the young falcons' legs so that they could track them and see what progress these banded falcons were making in repopulating Michigan with peregrine falcons.

Holly Vaughn, a Wildlife Outreach technician for the DNR was on hand to band the 2015 crop of falcons that hatched on top of the building. She said that peregrine falcons disappeared from Michigan in the 1960s.

In 1993 the DNR began a program to repopulate the state with peregrine falcons. It was first discovered that the Campbell Ewald building was home to a pair in 2007. Hatchlings were first discovered in 2014.

"In Southeast Michigan there are currently 14 active nest sites for peregrine falcons," Vaughn said. "In the state of Michigan there are 45 nesting pairs."

The first pair of falcons, Kelsey said, were named Isabella and Magellan. Unfortunately, Magellan died and Isabella this year paired up with a falcon named General Brock.

"General Brock is from Windsor," Kelsey said. "Canadian officials tag their falcons just as we do. When Magellan died, there was a fear that Isabella wouldn't find a mate, but that wasn't the case. We thought it was appropriate that General Brock came to General Motors."

The chicks from the 2013 hatching didn't survive to adulthood, Vaughn said. But in 2014, three chicks hatched and they all lived long enough to go off on their own. Isabella and General Brock produced three chicks in 2015. The eggs were laid in April, with the three chicks hatching in early May. The official banding ceremony was on May 26. The work was done by people from the DNR as well as the Detroit Zoo.

"One thing I noticed when putting the bands on was that the birds' crops were full of food," said Tom Schneider, curator of birds at the Detroit Zoo. "That means that their parents were doing their jobs and feeding the chicks."

When asked what falcons eat and feed their young, Terry Mc-Fadden, wildlife biologist for the DNR said birds.

"These chicks are still young," McFadden said. "Their parents are still feeding them. They will become what is known as fledglings this fall."

Fledglings, McFadden said, are old enough to fly off on their own and hunt on their own. It is during this period of their lives when the young falcons learn how to take down prey and just what birds make the best prey for them.

As fledglings, these falcons still live at home, as it were, McFadden said. They hunt during the day and go back to the nest at night. If they are unsuccessful in their hunt, the parents will still feed them. But at a certain point, the parents will kick the younger falcons out of the nest and they will have to establish their own territories for hunting and breeding.

McFadden said it usually takes about three years before a falcon begins breeding.

"The first year of a peregrine falcon's life is tough," McFadden said. "Falcons nest in high places, so it's not unusual for a chick to fall out of the nest and die. But if a bird makes it past that first year, there is a good chance that it will survive."

Schneider said peregrines can live between 10 and 20 years, depending on circumstances, such as living in the wild versus being domesticated.

Kelsey said that GM was proud to help the DNR out with banding the falcons on the former Campbell Ewald building, which is currently being refitted from the inside out. Once the work is completed, the building will be called VEC East.

Kelsey said that GM is a strong



JUNE 1, 2015

General Brock

supporter of green manufacturing.

"It's our goal to have all our manufacturing sites certified by the Wildlife Habitat Council by the year 2020," Kelsey said. "This building isn't a manufacturing site, but we'd still like it to be certified."



Kelsey said that in addition to bands being placed on the chicks' legs, the birds are weighed, measured and blood samples are taken.





# **Detroit Auto Scene**

JUNE 1, 2015

"FIRST IN THE HEART OF DETROIT SINCE 1933"

# **Pentastar Engines – Five Million Built and Going Strong**

It's the most basic question. What drives cars. And the answer is simpe - the engine.

And cementing its status as a Fiat Chrysler workhorse, total production of the Pentastar V6 engine family surpassed the 5million mark earlier in May.

First introduced in the 2011 Jeep Grand Cherokee, the Pentastar V6 is the most advanced six-cylinder engine in the history of Fiat Chrysler, with an ideal integration of select technologies that deliver refinement, fuel efficiency and performance, said Chrysler spokesman Dan Reid. Today, Pentastar V6 engines are available in 14 vehicles from the Chrysler, Dodge, Jeep and Ram brands.

Since the start of 2015, 47 percent of Fiat Chrysler vehicles sold are equipped with a Pentastar V6 engine.

"The success of the Pentastar V6 engine family continues to be a testament to our powertrain engineering prowess," said Bob Lee, vice president - Engine, and Electrified Powertrain Propulsion, and Systems Engineering, FCA - North America. "This engine delivers world-class performance in multiple displacements and vehicle applications around the globe. We're extremely proud of how this engine family has evolved to provide our customers with a wide range of performance capabilities.'

The Pentastar V6 engine family, Lee said, consists of three displacements: 3.6-liter; 3.2-liter range of up to 520 miles - Ram

(Jeep Cherokee) and 3.0-liter (Jeep Grand Cherokee, Jeep Wrangler and Chrysler 300 sold in China). Three Fiat Chrysler facilities produce these engines:

• Trenton Engine Complex, Trenton, Mich. (3.6-liter, 3.2-liter, 3.0-liter);

• Saltillo South Engine Plant, Saltillo, Mexico (3.6-liter);

• Mack Avenue Engine Plant, Detroit (3.6-liter, 3.2-liter).

In terms of character, the Pentastar V6 can be mannerly, as demonstrated in the Chrysler Town & Country; sporty, as in the Dodge Challenger; or beastly, as in the rugged Jeep Wrangler and Ram 1500.

Other Pentastar V6 engine applications for the 2015 model year are: Chrysler 200 mid-size sedan and 300 full-size sedan; Dodge Charger sport sedan, Grand Caravan minivan, Durango full-size SUV and Journey midsize crossover; Jeep Cherokee and Grand Cherokee: and Ram Cargo Van and ProMaster full-size van.

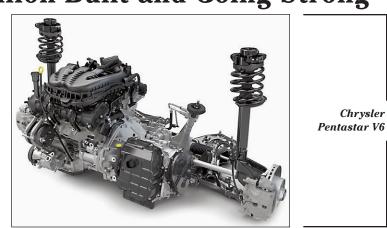
Accounting for all its 2015 model year vehicle applications, Pentastar V6 engines contribute to numerous best-in-class benchmarks:

• Best-in-class standard V6 horsepower (283 - Ram ProMaster full-size van);

• Best-in-class horsepower 283 and torque – 260 lb.-ft.

· Best-in-class V6 fuel econo-

my – 26 mpg highway; driving • Best-in-class V6



C/V Tradesman;

• Best-in-class horsepower -295 -Chrysler 200 mid-size sedan;

• Best-in-class horsepower -283 Dodge Grand Caravan/Chrysler Town & Country minivans;

 Best-in-class gasoline-powered V6 driving range - 600+ miles; Dodge Durango;

• Best-in-class gasoline-powered V6 driving range - 600+ miles; Jeep Grand Cherokee.

Among full-size sedans, the 3.6liter Pentastar powers the Dodge Charger and Chrysler 300 to:

• Best-in-class highway fuel economy - 31 mpg with RWD, 27 mpg with AWD;

• Unsurpassed combined fuel economy – 23 mpg with RWD, 21 mpg with AWD;

 Unsurpassed city fuel economy - 19 mpg city RWD, 18 mpg AWD.

In addition, the 3.6-liter Pentas-

tar V6 is a three-time winner of Ward's 10-Best Engines award (2011-2013).

Chrysler

The Pentastar V6 architecture further distinguishes itself with flexibility, Lee said. With little or no modification, it can accommodate longitudinal and transverse orientations; front-wheel-, rearwheel-, all-wheel- and four-wheeldrive systems; 6-speed manual transmissions and 6-, 8- and 9speed automatic transmissions.

All Pentastar engines feature a 60-degree, deep-skirt, die-castaluminum cylinder block with six-bolt main caps that provide optimal stiffness for NVH mitigation. Also contributing to NVH reduction are:

• A structural windage tray to complement block stiffness;

• A structural aluminum oil pan;

• Direct-mounted alternator and A/C compressor, which increase stiffness.

#### **Students Visit Auburn Hills Auto Supplier Facility**

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TI Automotive, a global supplier of automotive fluid systems technology, hosted students from Bullock Creek High School of Midland, Michigan, at its Auburn Hills Tech Center on May 13.

The visit supported TI Automotive's commitment to the national Science, Technology, Engineering & Mathematics (STEM) Initiative, which encourages students in the U.S. to explore these fields for a possible career, said said Domenic Milicia, chief human resources and communications officer at TI Automotive.

Roughly 30 students, ranging in age from 16 to 18 years old, observed several operations at the facility, Milicia said, where the company develops and tests automotive fluid systems including fuel tanks, fuel delivery systems, fluid carrying lines, and powertrain and HVAC systems.

Several senior-level engineers conducted tours and overviews of several technical areas and processes, allowing for students to receive an in-depth overview of automotive design and test procedures at TI Automotive.

"It's interesting to see what we talk about in class being put to action in the real world," said Michael Krueger, a student at Bullock Creek H.S. "There were a lot of awesome things that I could see myself doing one day, especially the testing.

### **Chrysler Employees Build Bikes for Eastside Students**

CONTINUED FROM PAGE 1

Bike and Book Giveaway Day attend schools where Communities In Schools of Metropolitan Detroit (CIS) provides education and community resources to help students successfully learn, stay in school and continue on the path to graduation. "We appreciate this opportunity to recognize our students for their hard work," said Sonia Allen CEO of CIS.

In preparation for the Big Bike and Book Giveaway Day, more than 100 Fiat Chrysler Motor Citizens employee volunteers shifted into high gear earlier this week, assembling the 400 new bicycles in a 7-hour, one-day build on May 20, Frazier said.

Fiat Chrysler employees were

Children's Services.

"We hope to make this a yearly thing," Frazier said. "But that is not a given. We are always looking for programs like that allow us to give back to the community. So we're always evaluating programs like this to make sure that they fulfill our goals.<sup>3</sup>

Detroit ranks 4th among the top 50 large cities where bike commuting is growing the fastest, according to the American League of American Bicyclists Where We Ride report.

## **NONE OF THE STRESS. ALI**



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CORNERSTONE APR=Annual Percentage Rate. Rates are based on credit score and term of loan. Restrictions may apply. Subject to change at any time. in your corner.

Learn How To Get The Most From Your Retirement Savings

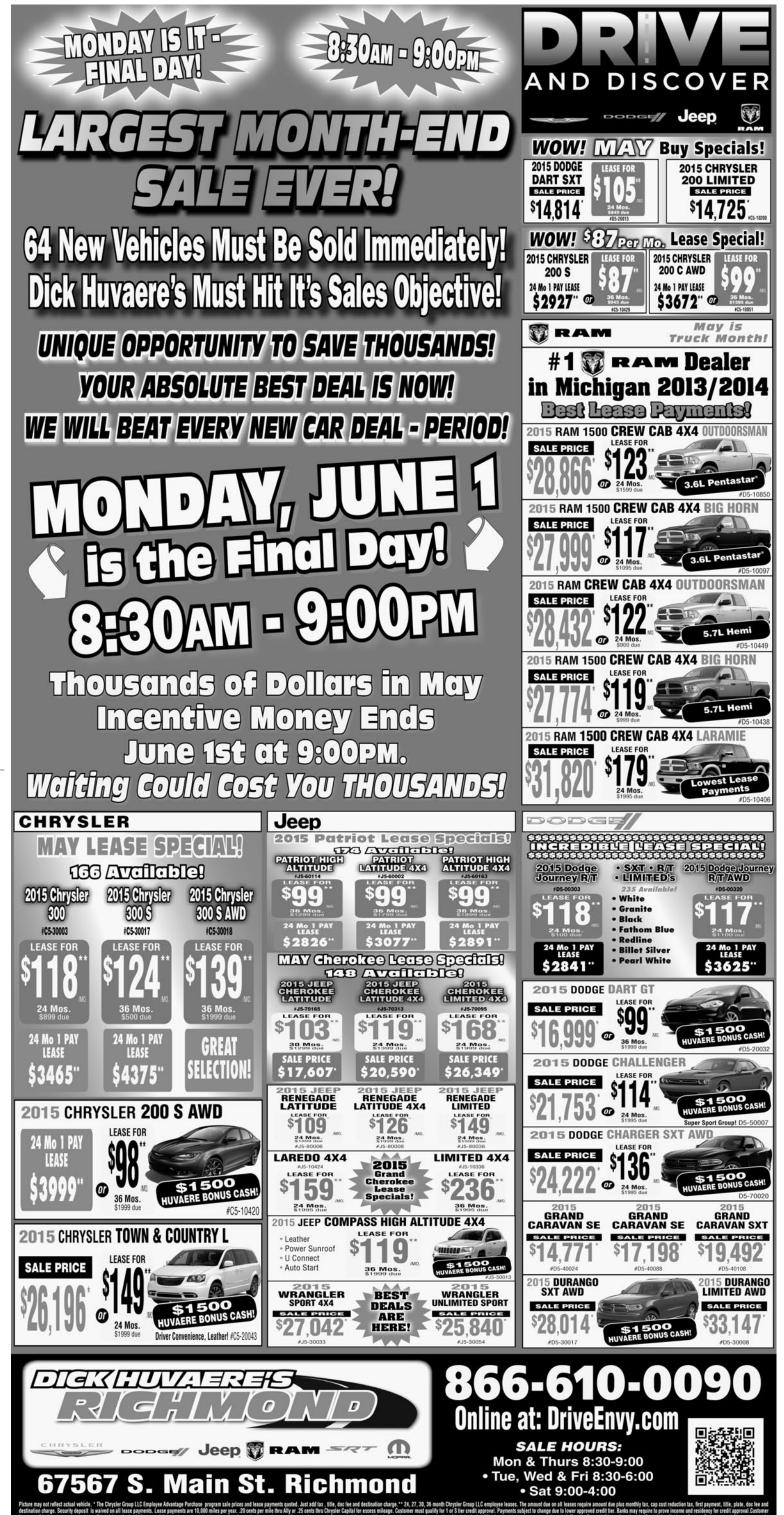
also on hand during the giveaway to assist students with picking up their new bikes, locks, helmet fitting and bike safety instruction.

We also provided bike safety classes for each recipient with a focus on riding safely, wearing a helmet and inspecting their bike before hitting the road," said Alex Allen, Detroit Eastside Community Collaborative Executive Director. "With the growing cycle infrastructure in Detroit, this is something that all students need to know.'

"I really want to say that it was great that all the work building the bicycles was done by volunteers,' Frazier said. "Altogether about 400 bikes were built for students ranging from grade school to high school. The bikes were all Huffys. Some were pretty simple, while others had up to 15 gears.'

Frazier said that this bike build is similar to one done by Chrysler employees in conjunction with a program by Orchard





#### Work to Begin at Detroit's Historic Packard Facility

DETROIT (AP) – Plans call for restoring a well-known bridge that's part of the former Packard auto factory complex to the way it looked in the 1930s.

The Detroit Free Press reports workers draped mesh coverings May 22 on the bridge that are imprinted with a full-scale historical photo of the bridge.

Fernando Palazuelo says it will be restored to look just like it does in the old photo and "this is a symbol for the city and the country."

Palazuelo bought most of the blighted complex last year.

He wants to develop apartments, retail, light industrial operations as well as some artist studios at the location of the former Packard plant.

Pazazuelo says the first phase, including bridge work and rehabilitation of the former administration building, starts in earnest this year starting on July 1. He also said that the site could be ready for some tenants by as early as the first half of 2017 if things go well.

#### Ford Shares its Tech to Advance State of Science

CONTINUED FROM PAGE 1

Harvest is to enhance the pace of innovation," Miller said. "Developing this technology is an expensive proposition and Ford has continually seen what avenues of research are out there and how the company can speed up the development of technology. We think this is a really good method."

As part of Ford's increased focus on new and innovative technologies, the automaker is set to hire an additional 200 electrified vehicle engineers this year as the team moves into a newly dedicated facility – Ford Engineering Laboratories – home to Henry Ford's first labs in Dearborn.

Here are some of Ford's electrified vehicle patents available for competitors to purchase:

• Method and Apparatus for Battery Charge Balancing, patent No. US5764027: The patent covers passive cell balancing: discharging a cell through a resistor to lower the state of charge to match other cells. This innovation extends battery run time and overall life. This is the first invention to enable battery balancing at any time, instead of only while charging, and it enables the use of lithium-ion batteries in electrified vehicles. It was invented long before lithium-ion battery-powered vehicles became commonplace - truly

ahead of its time.

• Temperature Dependent Regenerative Brake System for Electric Vehicle, patent No. US6275763: The technology works to maximize the amount of energy recaptured in a hybrid vehicle through regenerative braking. By improving the interplay between normal friction brakes and regenerative braking during stopping at certain air temperatures, a driver is able to recapture more energy than previously possible, helping the motorist drive farther on a charge.

Driving Behavior Feedback Interface, patent No. US8880290: The patent provides a system and method for monitoring driver inputs such as braking and accelerating, and vehicle parameters including energy consumption to assess driving behavior. The feedback can be used to coach future driving behavior that may translate into better long-term driving habits and improve fuel economy.

clure may not reflect actual vehicle. \* The Dayyele Group LC Employee Advantage Parchase program sale prices and lesse apprents, touch a day and tax. This, do te e and destination charge. \*\* 24, 73, 93, 8 memb Cayyeler Group LC employee Advantage Parchase program sale prices and lesse apprents, touch a day and tax. This, do te e and destination charge. \*\* 24, 73, 93, 8 memb Cayyeler Group LC employee Advantage Parchase program sale prices and lesse apprents, touch a sole and destination charge. \*\* 24, 73, 93, 8 memb Cayyeler Group LC employee Advantage Parchase program sale prices and lesse apprents, touch a sole and less apprents, touch a sole and less apprents, touch a sole and lesse apprents, touch and all then Dest Less and lesse apprents, touch and all then Dest Less and lesse apprents, touch and all then Dest Less apprents, touch and all then Dest Less apprents, touch and and lesse apprents, touch and all then Dest Lesse apprents, touch and all then Dest Less apprents, touch and all then Dest Less apprents, touch and all then Dest Lesse apprents touch and al

### **Bowling Green Getting New Paint Facility for Corvettes**

Thanks to upcoming invest- lighting for process decks for imments in the Chevrolet Corvette plant in Kentucky, it should be easier than ever for GM's premier sports car to be in the pink thanks to a new paint shop that is among \$439 million being invested in the plant that builds Vettes.

General Motors announced the moves in late May, and they include retaining 150 jobs and building a 450,000 square-foot paint shop that is almost half the size of the entire current production facility, said GM spokesman Monte Doran.

The investment builds on approximately \$135 million GM has invested in the plant over the last four years for the new Corvette Stingray and Performance Build Center. The announcement was followed by a groundbreaking event for the new paint shop.

"The Corvette is one of Kentucky's most-cherished icons," said. Lt. Gov. Crit Luallen. "Such a significant expansion of the Bowling Green Assembly Plant will help the company remain competitive in the region and around the world."

Construction of the new paint shop, which includes substantial technology upgrades, is planned to begin this summer and take approximately two years to com-Corvette production plete. schedules will be unaffected by the construction.

Along with new tooling and robots, the paint shop's state-ofthe-art environmental and efficiency enhancements include:

• Dry Scrubber Booth Technology with Limestone Handling System designed to eliminate sludge water and waste.

proved visual inspection as well as energy savings.

• State-of-the-art FANUC robots with Versa-bell 3 electrostatic applicators for an extremely smooth finish and maximum transfer efficiency, saving 25 percent of the paint material used, which also benefits the environment.

· Longer, high-efficiency baking ovens for exceptional paint finish and lower energy use.

"With this major technology investment, we can continue to exceed the expectations of sports car buyers for years to come," said North American Manufacturing Manager Arvin Jones. "These types of investments are evidence that the customer is at the center of every decision we make.'

Said UAW Vice President Cindy Estrada: "This new paint shop will mirror the efficiencies and technologies of the new body shop, installed with the launch of the Stingray. Hardworking UAW members have proudly built vehicles in Bowling Green for more than 30 years, and we are pleased to be a part of such a significant facility upgrade."

Corvette production began in 1981 in Bowling Green following assembly in Flint, and St. Louis, Doran said. Each has been an exclusive home of the Corvette, contributing to its distinction as the world's longest-running, continuously produced passenger car. More than 1.6 million have been produced in 62 years.

Building on that recognition, Corvette sales reached an eightyear high, Doran said, in 2014 with almost 38,000 cars sold globally. The plant welcomed a



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#### **May Auto Sales Steady** With SUVs Out in Front

New-vehicle sales are expected to decline 1 percent yearover-year to a total of 1.59 million units in May 2015, resulting in an estimated 17.3 million seasonally adjusted annual rate (SAAR), according to *Kelley Blue* Book's www.kbb.com.

"May sales will reach the highest total year-to-date, and could remain the highest until December of this year," said Alec Gutierrez, senior analyst for Kelley Blue Book. "While we expect an overall decline in volume versus last year, the difference is the result of one fewer sales day from May 2014, and total SAAR will reflect year-over-year improvement.

"May typically is a strong sales month, as consumers take advantage of warmer weather and advertised deals for the extended Memorial Day sales weekend."

Total sales are projected to hit 16.9 million units in 2015, a 2.5 percent year-over-year increase and the highest overall total since 2005, when sales fell just shy of 17 million units overall, Gutierrez said.

Key Highlights for Estimated May 2015 Sales Forecast:

• In May 2015, new light-vehicle sales, including fleet, are expected to reach 1,590,000 units, down 1 percent from May 2014 and up 9.5 percent from April 2015.

• The seasonally adjusted annual rate (SAAR) for May 2015 is estimated to be 17.3 million. up from 16.7 million in May 2014 and up from 16.5 million in April 2015.

• Retail sales are expected to account for 82.2 percent of volume in May 2015, up from 81.7 percent in May 2014.

And, Gutierrez said, Jeep continues to push growth in Fiat Chrysler Automobiles market share

"Fiat Chrysler Automobiles is expected to narrowly continue its sales gain streak to 62 straight months of growth, largely due to the surging Jeep brand, which is poised to set another record in monthly sales," said Gutierrez. "The all-new Renegade would have helped push Fiat Chrysler's total even higher, if not for the halt on its deliveries due to a software issue. Nonetheless, the Cherokee experienced similar troubles at its launch in late 2013 and is now Jeep's top seller."

Most major manufacturers are anticipated to post slight declines in volume or perhaps break even.

However, American Honda could report a slightly larger drop in volume, as two of their best-selling models, the Accord and Civic, are in segments that are losing popularity among consumers.

Even as gas prices have been on the rise since January, small and mid-size utility vehicles continue to lead the industry, Gutierrez said

The two segments have grown to comprise nearly 25 percent of new-car sales and are expected to climb once again in May, roughly 6 percent. Conversely, small and mid-size car sales are flat and combined share is down 1.5 percent.

Declines in these segments will range between 4 and 5 percent this month.

There are 26 sales days in May 2015, compared to 27 sales days in May 2014. All percentages are based on raw volume, not daily selling rate.



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proof of current GM Lease. CTS must show proof of ownership or lease of 2003 or newer Cadillac CTX. MRSP's: ATS \$38,240, ATS Coupe \$41,440, CTS \$48,340. XTS \$45,595, Escalade \$82,245, SRX \$38,600. Due at signing ATS \$1,809, ATS Coupe \$2,219, CTS \$3,119, XTS \$2,679, Escalade \$4,869, SRX \$339. See dealer for details. Take delivery by 6/5/2015.



- Early Bird Check-in
- Loaners available
- Convenient Business Hours
- Same Day Service
- Factory Trained Service Advisors
- ASE Certified Technicians
- Online Express Checkout
- Mobile App Service
- Complimentary Loaner Car
- GM Quality Parts
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Morrisroe.

Morrisroe said.

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#### DETROIT AUTO SCENE **Lingenfelter Says** FIRST **MUFFLER & BRAKE SERVICE** WARREN URGENT CARE Come for Coffee, CHOICE **3 Blocks North of 9 Mile** HOURS: Mon.-Fri. 7:30am-5pm; Sat.-Closed Stay for the Cars 8am-10pm • 7 Days a week • 365 Days a Year WARREN • 586-757-7203 For the second year, Lingenfel-"Bringing Quality Urgent Care To Your Neighborhood" ter Performance Engineering will DELUXE OIL **MUFFLER. EXTENSION PIPE & TAIL PIPE** "We Care" host a Saturday morning "Lin-CHANGE genfelter Cars & Coffee" series. SPECIAL **URGENT CARE FOR ACCIDENTS AND INJURY** Most FWD Cars Up To 5 Qts. Of Oil Lube & Filter Each Saturday morning, starting on May 30 and ending on **ADULT & PEDIATRIC ILLNESS** Aug. 22, Lingenfelter's North En-Digital X-Rays, EKG and Lab Work, On-Site Lab Service, Strep, Mono, lo Disposal Fee gine Build Facility in Wixom will Pregnancy & Urine Testing, Vaccinations, Sports & School Physicals, Occupational Medicine, Work-Related Injuries, open its doors and parking to the public and their cars, said Pre-Hire Physicals (BAT & Urine Screening) Lingenfelter spokesman Chris SPECIAL ON SPORTS PHYSICAL \$25.00 State-of-the-Art Facility 586-276-8200 Most F.W.D. U.S. Cars • In-store offer ends 6-30-15 Car lovers from near and far ► FLU SHOTS ◀ are welcome to stop by and en-31700 Van Dyke • Warren, MI 48093 joy the company of others and ATTENTION to see the latest and greatest in On Van Dyke Rd., between 13 & 14 Mile in Valvnline er, GM, Ford performance cars from Lingen-St. John's Windemere Park Tune Ups, Water Pumps, Includes topping off fluids es, we're withir felter Performance Engineering," OTHER CONVENIENT LOCATIONS: **Heater Cores & Other Repairs** 2 miles of your plants 6-30-15 Woodland Urgent Care N. East Macomb Urgent Care We are looking forward to HAP & BCN 22341 W. 8 Mile Road 43900 Garfield, Suite 121 Clinton Township **NO Referrals Needed!** this year's Cars & Coffee morn-<u>MAKE US YOUR FIRST CHOICE</u> 313-387-8700 586-868-2600 www.warrenurgentcare.com ings," said Ken Lingenfelter, owner Lingenfelter Performance Engineering. "Last year's series was attended by hundreds of car lovers each week. It was a pleasure to meet so many enthusiasts CHEVROLET and discuss ideas and innovations in design and performance. BUICH Beginning each Saturday with this group of passionate individuals is a great way to start the **MILITARY APPRECIATION MONTH • MILITARY APPRECIATION MONTH** Lingenfelter Cars & Coffee will be held rain or shine, Lingenfel-TRAX NEW NEW NEW CRU ZE ter said. Guests who attended the kick-off event on May 30 N 201 015 were asked to bring a nonperishable food item that will be donat-СЛ G ed to Gleaners Food Bank There is no fee to participate LEASE FOR 24 MONTHS LEASE 1LT 24 MONTHS PURCHASE A 1LS FOR LEASE FOR PURCHASE PURCHASE in the weekly events and refresh-FOR FOR ments will be available, Lingen-\$295 \*999 DOWN \$69 \$999 DOW \$**38** \*999 DOW \$16.399<sup>°</sup> 29.997 \$**17.995** Attendees will have the opportunity to show off their personal-NEW FOL NOX NEW **NEW** ized cars and meet other car buffs from the community and 015 neighboring states, Morrisroe 3 5 Updates on weekend special LEASE FOR activities and featured cars from LEASE A 1LT 24 MONTHS PURCHASE A 1LS FOR LEASE FOR 24 MONTHS PURCHASE FOR PURCHASE the Lingenfelter Collection will FOR \$129 5999 DOM/M \$58 999 DOWN be posted on their Facebook \$77' \$999 DOWN \$19,997 \$25.997<sup>\*</sup> \$**18,659** page as well as the company's website: www.lingenfelter.com. LEASE PULL AHEAD - JUNE 1, 2015 TO JAN 4, 2016 The Lingenfelter Performance CHEVROLET Engineering - North Engine Building Facility site is located at 47451 Avante Drive in Wixom, CROSSE NCORE FR NEW NEW **NEW** Morrisroe said. That is at the corner of I-96 and Beck Road. 2015 On June 20, the Brighton 15 3 Harley-Davidson and Motor City Harley-Davidson clubs will be special guests, Morrisroe said. LEASE FOR 4 MONTHS PURCHASE LEASE FOR 24 MONTHS PURCHASE LEASE FOR PURCHASE On Aug. 1, the Motor City Heat 39 MONTHS FOR Car Show sponsored by the De-\$109 \$229 **\$117** \$20.995 <sup>\$19.995</sup> \$28.997 troit 5th Gen Camaro Club will The summer's festivities will NEW S **NEW** ERRA NEW conclude with a special "Battle of the Bands" performance on Aug. 22, Morrisroe said. DBL. CAB N 2WD Q 2015

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**Borg-Warner** Awards Trophy at **Indianapolis 500** 

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FOR

#### CONTINUED FROM PAGE 1

cover outlet connections.

The Borg-Warner Trophy has a long history, said BorgWarner spokeswoman Katya Pruett, and features the sterling silver image of every Indianapolis 500 winner dating back to Ray Harroun in 1911. Made of 110 pounds of sterling silver and standing 5 feet, 4-3/4 inches tall, the trophy originally cost \$10,000 and is currently valued at \$3.5 million.

The Borg-Warner Trophy stays on permanent display at the Indianapolis Motor Speedway Hall of Fame Museum. To give the winner and team owners a personal keepsake of their victory, Borg-Warner established the Borg-Warner Championship Driver's Trophy (also known as the "Baby Borg") in 1988 and the Borg-Warner Team Owner's Trophy in 1998, Pruett said. Both are sterling silver replicas of the Borg-Warner Trophy.



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