

# Members to Vote on UAW Leaders' Proposed GM Contract

DETROIT (AP) – United Auto Workers leaders have approved a proposed contract with General Motors Co. that promises raises, improvements in health care and a hefty signing bonus.

Leaders from GM's 63 U.S. facilities met in Detroit to discuss and voted on the agreement Oct. 28.

Now it must be ratified by GM's U.S. hourly workers. The

four-year contract covers 52,600 GM factory workers.

Like a previous contract ratified by Fiat Chrysler workers, GM's agreement would eliminate a two-tier wage system over eight

years. GM currently pays recent hires around \$15.78 per hour. Under the new agreement, workers with four or more years of experience will make the top \$29 hourly wage within four years; workers

with less experience would make between \$22.50 and \$28 in four years and top wages in eight years.

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### GM Worked with Korea's LG to Develop Long-Range Bolt

General Motors set aside traditional vehicle development to create the Chevrolet Bolt EV by teaming up with the Korean electronics firm LG. The result of their joint labors is an EV that can travel more than 200 miles on a single electric charge.

Offering consumers the first long-range, affordable EV, said GM spokesman Kevin Kelly, required an unprecedented supplier relationship combining expertise in infotainment, battery systems and component development with GM's proven in-house capabilities in electric motor design, battery control, system validation and vehicle body/system integration.

Following joint planning and research, GM and LG Corp. brought the Chevrolet Bolt EV to reality, Kelly said. The Bolt EV concept was shown at the North American International Auto



CONTINUED ON PAGE 7 *Mark Reuss, center, discusses Chevy Bolt development with the GM-LG planning group.*

### Mopar to Display Modified Vehicles At SEMA Show

Mopar will have some "tantalizingly" modified vehicles at the Specialty Equipment Market Association (SEMA) Show, Nov. 3-6 at the Las Vegas Convention Center, said Fiat Chrysler spokesman Ariel Gavilan.

The vehicles will be a mix of production and concept Mopar products that have been customized to transform Chrysler, Dodge, Jeep, Ram and Fiat vehicles, demonstrating how the Mopar brand can help owners personalize their rides, Gavilan said.

Nearly 20 vehicles, as well as hundreds of Mopar parts and accessories, will fill the 15,345-square-foot Mopar SEMA exhibit.

Those who might wish to see the vehicles at the SEMA show, but can't afford time off from

CONTINUED ON PAGE 2



2015 Ford F-150

### Ford Profits Jump 89 Percent

DEARBORN, Mich. (AP) – Pickup trucks powered Ford Motor Company to record North American results in the third quarter, and the company expects the trend to continue for a while.

Ford earned \$2.7 billion in North America, up 89 percent from a year ago, largely on higher sales of its new F-150 pickup truck. Ford introduced the aluminum-sided truck last fall but didn't reach full production at its two U.S. factories until June.

The results were the strongest indication yet that Ford's risky decision to remake its best-selling vehicle as a lighter aluminum model is paying off. Sales of F-Series pickups – the F-150 and its larger siblings – reached a nine-year high for the July-September period. In the U.S. alone, Ford sold 207,271 F-Series trucks. That's 85 trucks per hour.

Customers also paid more for them. Chief Financial Officer Bob Shanks said Ford was making an average of \$2,000 more per F-Series truck compared with a year

ago. Shanks said the aluminum-sided F-150, which is 700 pounds lighter than the older steel version, is a money-maker even though aluminum is more expensive than steel.

Ford's results echoed those of its crosstown rival, General Motors Company. Last month, GM posted a record \$3.3 billion pre-tax profit in North America, driven largely by truck and SUV sales.

Truck sales should continue to be strong into next year and beyond, thanks to low interest rates, improving employment numbers and other factors, Ford CEO Mark Fields said. Ford will introduce new aluminum-sided Super Duty trucks next year, which will drive sales. And many buyers are expected to replace aging trucks soon. Fields said 25 percent of the trucks on U.S. roads are now 20 years old or older.

Ford's overall net income rose

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### Continental's 'Space-Age' Material Offers Automakers an Alternative to Aluminum

When Continental Structural Plastics displayed its innovative TCA Ultra Lite advanced composite material, the folks on the CAMX Steering Committee agreed it deserved the "Unsurpassed Innovation Award."

The award was presented at the CAMX Expo in Dallas Oct. 27.

Continental's 1.2 specific gravity material offers as much as a 40 percent weight savings over standard density advanced composite materials, said company spokeswoman Kim Zitny. The material is currently in production on the 2016 Chevrolet C7 Corvette.

"TCA Ultra Lite has been called 'a space-age material' by our customers, because of the significant weight savings it offers, while maintaining all of the surface and mechanical properties of our proven TCA material," said Frank Macher, chairman and CEO of Continental Structural Plastics.

"This material provides car makers with a competitive alternative to aluminum as they seek ways to reduce vehicle weight and achieve CAFE standards."

The CAMX Unsurpassed Innovation Award recognizes the cutting-edge innovations that will

significantly impact composites and advanced materials in the marketplace, Zitny said.

The CAMX Steering Committee, Zitny said, looks for visionary concepts and products that show strength through collaboration, while bridging low-cost materials/high-volume applications with high-performance applications/low-volume materials.

Because there is no degradation of mechanical properties, lighter parts molded with TCA Ultra Lite do not have to be made

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### BorgWarner Expands Its AH Tech Center

by Jim Stickford

When BorgWarner officially inaugurated its newly expanded Powertrain Technical Center in Auburn Hills on Oct. 23, it was doing something smart, said Michigan Senator Debbie Stabenaw – it was betting on Michigan and the power of its manufacturing capabilities.

Stabenaw was just one of several public officials on hand to celebrate the expanded technical center's opening.

"Metro Detroit has always been the cradle of innovation, whether we're talking about building Tin Lizzies in 1915 or building modern turbo chargers developed at a place like this technical center," Stabenaw said. "I want to say congratulations to you folks at BorgWarner, you are continuing a tradition of innovation and manufacturing in metro Detroit."

"When BorgWarner made the decision to move its corporate headquarters from Chicago to here 10 years ago, that was a smart decision. They are build-

ing on success and there are a lot of cool reasons to live and work here. The company wants to

CONTINUED ON PAGE 3



*BorgWarner V-P Chris Thomas discusses tech center expansion.*

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## Ford Profits Soar, Thanks to F-Series

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129 percent to \$1.9 billion for the quarter. Its profit, of 48 cents per share, compared with a profit of 27 cents in the same quarter a year ago.

The Dearborn-based automaker's shares fell after it failed to meet Wall Street's expectations. Excluding one-time items, Ford earned 45 cents per share, a penny lower than Wall Street's forecast, according to analysts surveyed by FactSet.

Shanks said analysts forecast a 32 percent tax rate, but Ford's third-quarter rate was 33 percent. Ford also recorded a one-time profit of \$166 million with the public offering of Nemak SAB, a Mexican supplier of aluminum auto parts that Ford owns a stake in.

Automotive revenue rose 9 percent to \$35.8 billion, beating analysts' forecast of \$35.5 billion.

The Dearborn-based automaker's overall sales rose 7 percent to 1.6 million. Sales were up 17 percent in Europe, but fell in South America, the Middle East and Asia.

In North America, sales jumped 16 percent.

Ford lost money in Europe, South America and the Middle East but eked out a \$20 million profit in Asia despite a \$130 million hit from production cuts in China.

Shanks said Ford remains bullish on China despite falling demand for new cars.

"We still see growth. It may be a bit slower than it has been," he said.

Shanks said Ford is on track to deliver the "breakthrough" year it promised after disappointing results last year. He said Ford's operating profit of \$7 billion in the first nine months of this year is already 10 percent higher than all of 2014.

He also said North American operating margins should come in at the upper end of Ford's forecast of 8.5 percent to 9.5 percent.

# FCA Women Honored for Achievements and Leadership

Fiat Chrysler technical business leaders received honors for their career achievements at the 18th annual Women of Color STEM Conference held Oct. 15-17 in Detroit.

The Women of Color Conference honors the significant achievements of women in STEM (science, technology, engineering and math) professions, said Fiat Chrysler spokeswoman Valerie Oehmke.

The conference ensures that the accomplishments and leadership of outstanding women in technical fields are highly visible to industry professionals, government officials and students.

"FCA US is proud that our women continue to be recognized for their extraordinary technical achievements and leadership," said Marlin Page, Diversity and Inclusion officer, FCA US.

"The Women of Color Awards celebrate some of the country's most promising and influential female business and community leaders. We are humbled to be named among such prestigious honorees."

FCA 2015 Women of Color

Award Recipients:

- Professional Achievement Award – Sharon (Xiaorong) Jin – Material Technical Specialist, Organic Materials Engineering. This award recognizes a mid-career professional with significant accomplishments as a leader and role model in an engineering or technology industry, or government agency.

- Technology All Stars Award – Deirdre Fultz, Manufacturing manager, Kokomo Transmission Plant; Denise Jackson, manager, MOPAR International Supply Chain. This award recognizes accomplished professionals who have demonstrated excellence in the workplace and in their communities.

- Technology Rising Stars Award – Malini Dodaballapur, Technical Architect, DealerConnect Stability Team; Deidra Gilreath, Global Diagnostic strategist, Electrified Powertrain Group; Masuma Khandaker, Aero-Thermal engineer, Vehicle Aero-Thermal Integration and System Simulation; Mamta Madireddy, business analyst, Environment Health & Safety and Cor-

porate Security; Jin Palmer, manager, Uconnect Product Strategy; Umckia Smiley, Vehicle lead, HMI & Ergonomics Vehicle Integration & Validation; Xian Tao, Group & Technical lead, Powertrain Virtual Analysis; Pavana Vaidyanath, Software Competency lead, Powertrain Software. This award recognizes young professionals who are helping to shape technology for the future.

Over the years, Tinson said, Fiat Chrysler employees consistently have earned important technical professional recognition from various diversity organizations, including Black Engineer of the Year, Women of Color, HENAAC Great Minds in STEM and others, reflecting the company's strong commitment to developing its diverse workforce.

For the past three years, Tinson said, the company has been



Sharon Jin

named a top supporter of engineering programs at the nation's Historically Black Colleges and Universities (HBCUs), according to *U.S. Black Engineer & Information Technology* magazine.



A taste of the Mopar-customized Chrysler 300 coming to SEMA.

## Mopar to Shine at SEMA

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work or the plane ticket to Las Vegas, will want to see the vehicles' unveiling via a live webcast of the Mopar event at SEMA, Gavilan said.

The webcast will be available starting at 7:25 p.m. Eastern Time or 4:25 p.m. Pacific Time on Nov. 3 at: [livestream.com/FCALive/Mopar2015SEMA](http://livestream.com/FCALive/Mopar2015SEMA).

Gavilan said Mopar was trademarked in 1937 with the launch of an antifreeze product, but it truly made its mark in the 1960s during the muscle-car era.

From Mopar Performance

Parts to enhance speed and handling for both road and racing use, the brand soon expanded to include technical service and customer support.

Today, Mopar is Fiat Chrysler's service, parts and customer-care brand and distributes more than 500,000 parts and accessories in more than 150 markets around the world, Gavilan said.

SEMA offers Mopar and Fiat Chrysler the opportunity to show retailers of aftermarket parts just what can be done. The show is also well attended by the media, which in turn gets the message out to the public, Gavilan said.

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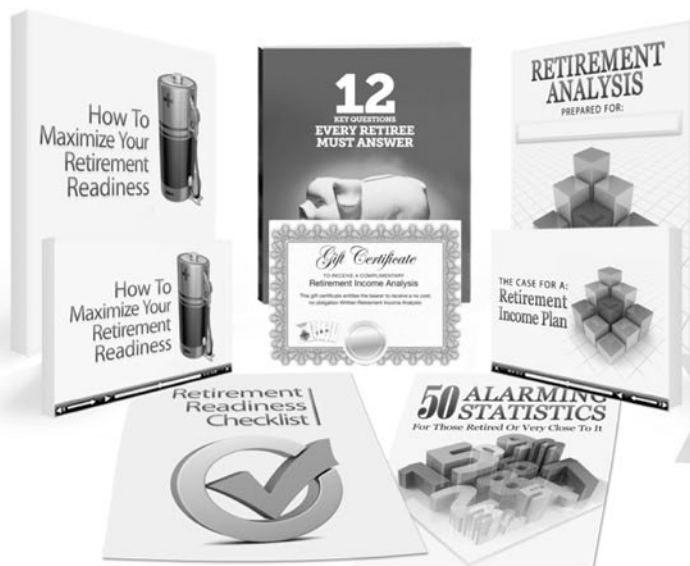
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Robin Kendrick at BorgWarner's newly expanded Tech Center.

## BorgWarner Expands Tech Center – Again

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make things in a global economy and when you want to do that, bet on Michigan every time."

Chris Thomas, vice president and chief technology officer (CTO) at BorgWarner, said that the expansion of the company's powertrain tech center was about three years in the making.

"The automobile industry in the past decade has undergone constant change," Thomas said. "And BorgWarner has been a leader in that industry innovation."

"We built what would become the first part of the powertrain tech center in 2002. It was expanded in 2014 with the addition of 16,000 square feet. This latest 2015 expansion of 46,000 square feet is adding 180 high-paying technical jobs in southeast Michigan."

The additional expansion is needed, Thomas said, because the areas that BorgWarner specializes in – engines, transmissions and drivetrains – are vital in improving gas mileage and lowering emissions. Automakers

will have to meet stricter federal standards by the year 2025 and the demand for systems that can provide these economies will grow only greater as time goes on.

"BorgWarner is the one company that can line up all these systems and design them to work together to achieve lower emissions and better fuel economy. Getting these results will come from a tradeoff between performance, fuel economy and emissions. BorgWarner can do that."

As to the future, Thomas said BorgWarner will continue to work in the powertrain field to provide the best systems to its customers.

And that means having the best engineering talent working at the company.

"Part of the reason for expanding this complex is that BorgWarner wants to operate on the world stage and that means, with today's sophisticated electronic and computerized technology, competing with Apple and Google for talent," Thomas said. "To do that, you have to have the best facilities."

Robin Kendrick, president and general manager of Transmission Systems, said having an expanded facility also means there is space to hire more people in the future.

"The most critical issue we're facing today," Kendrick said, "is the speed with which today's motor vehicles are being refreshed by manufacturers. We now have this expanded facility where we can work with our customers to create, in a collaborative fashion, the innovations – and we'll be able to do it quickly."

Kendrick said the expanded tech center should help BorgWarner achieve its goal of \$20 billion in worldwide sales by 2020. 2014 sales were \$8.3 billion.

The company currently employs 22,000 people at 57 locations in 18 countries. Customers include Ford, GM, Fiat Chrysler, VW, BMW, Renault, Daimler and Toyota.

Additions to the tech center included a new Torq Transfer Heavy Duty Dyno testing room and a new Transmission Systems Friction Material Lab.

## General Motors and UAW Reach Labor Agreement

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UAW President Dennis Williams had promised – and won – richer benefits from GM, which is a bigger and wealthier company than FCA.

GM reported last week that it earned \$1.36 billion in the third quarter. Fiat Chrysler lost \$339 million during the quarter because of big recall costs in North America.

"There were multiple things we were able to do because of GM's wealth," Williams said.

Williams said lower-tier workers – who make up 20 percent of GM's hourly workforce – will now be eligible for traditional health care benefits.

Both tiers of workers would get an \$8,000 signing bonus if they ratify the contract, higher than the \$3,000 and \$4,000 bonuses offered at FCA. And the profit-sharing formula in GM's proposed agreement promises \$1,000 per \$1 billion of GM's North American profits. FCA is giving workers \$800 based on percentage gains in its North American margins.

GM's proposed contract also offers \$60,000 for up to 4,000 eligible employees who agree to retire next spring. Williams said that is meant as a reward to long-time workers who stuck with the company and gave up wages and benefits during its 2009 bankruptcy.

The UAW and GM reached the proposed agreement Oct. 25, just

before a deadline the union had set to strike. Williams said he didn't yet know when workers will begin voting on it.

## Oakland U. Official Named to Post

Oakland University's Michelle Piskulich is the new president of the Network of Schools of Public Policy, Affairs, and Administration (NASPAA), the global accreditor of master's degree programs in those fields. The organization has nearly 300 member institutions, in the U.S. as well as 14 countries.

Piskulich, who serves as OU's associate provost for Academic Affairs, is in the midst of a three-year term on NASPAA's executive council and committee. She was elected vice president at NASPAA's 2014 annual conference. The vice president moves into the presidency at the next annual conference, Piskulich said.

Her responsibilities as president will include chairing the executive council, serving on the executive committee and presiding over the annual conference.



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## Dodge Charger Hero Comes To the Rescue

Don Schumacher Racing driver Jack Beckman drove the Infinite Hero 2015 Dodge Charger R/T Funny Car to his ninth final elimination round appearance of the season.

He finished runner-up to points leader Del Worsham at Texas Motorplex for the 30th anniversary edition of the AAA Texas National Hot Rod Association Fall Nationals Oct. 18. It was the fourth of six "Countdown to the Championship" playoff events.

With the result, Beckman remains second in the hunt for the Funny Car world championship crown and is within 38 points of the lead with two playoff events remaining.

After qualifying second and earning round wins over Tony Pedregon, John Force, and DSR teammate Tommy Johnson Jr., Beckman advanced to the final elimination battle against No. 1 qualifier Worsham. The Mopar left first and posted an elapsed time run of 4.077 seconds at 286.25 miles per hour in a close contest that unfortunately saw Beckman beaten by his competitor's 4.041 second/272.17 mph.

"It stings to lose one that close," said Beckman. "It's one of those races that I'd like to watch at home with the replay. The car was trucking along and then spun the tires and hunted for the wall, but it was far enough down track to just keep the throttle down, hang on and hope it's enough. Talking to Del (Worsham) after the race, he was having more problems in his lane and had to step off of it. Had we lost in the final to anybody but Del, we would've left here with the points lead."

## New 'Space-Age' Material Offers Weight Savings

CONTINUED FROM PAGE 1

thicker, or incorporate structural reinforcements, to maintain the desired performance qualities, Zitny said.

Specifically, Ultra Lite technology, a patented treatment, uses treated glass bubbles to replace Calcium Carbonate (CaCO3), allowing the resin to adhere to the matrix and increase the interfacial strength between the bubble and the resin.

The result is a more robust resin mix that makes molded parts more resistant to handling damage, and prevents the micro-cracks that cause paint pops, pits and blistering.

The product also uses Owens Corning Advantex glass technology that can be manufactured with lower environmental impact compared with other glass types, Kitny said.

Glass-reinforced polymers can have a lower global warming potential than steel in the production and use phase for automotive applications such as body parts, she said.

"By replacing the CaCO3 filler with glass microspheres, and incorporating Owens Corning's ME1975 roving glass fiber, we have achieved a lightweight composite material that is e-coat oven-capable and offers a superior surface finish for Class A applications," said Probir Guha, vice president, Research and Development for CSP.

"Depending on part design, it can be as light as aluminum, and more cost-effective.

"Replacing conventional materials like steel with lighter alternatives like TCA Ultra Lite decreases energy consumption and greenhouse gas emissions during vehicle use."



# Presses Bring Lansing's Camaro Production Close to Home, Saving GM \$14 Million a Year

General Motors last week received the first load of massive stamping presses for its \$174 million stamping facility, part of the Lansing Grand River Assembly Plant where the first 2016 Chevrolet Camaros left for dealer showrooms.

The new presses, which will save about \$14 million a year in logistics costs tied to material handling, will stamp parts for the Camaro and the Cadillac ATS and the CTS family of vehicles.

The load, weighing in at more than 210,000 pounds, is for the second press in the first of two stamping lines at LGR. The entire stamping line weighs more than 7.2 million pounds.

The next line will arrive at the plant in December with pro-

duction for both starting in 2016. The announcement of the \$174 million investment was made in May. The new equipment and tooling is being used to assemble the sixth-generation Chevrolet Camaro.

The investment also heralded the return of hundreds of workers to build America's best-selling performance car for the last five years, said GM spokesman Monte Doran.

The facility improvements include three new paint systems for Camaro-specific colors: Summit White, Bright Yellow, and Red Hot.

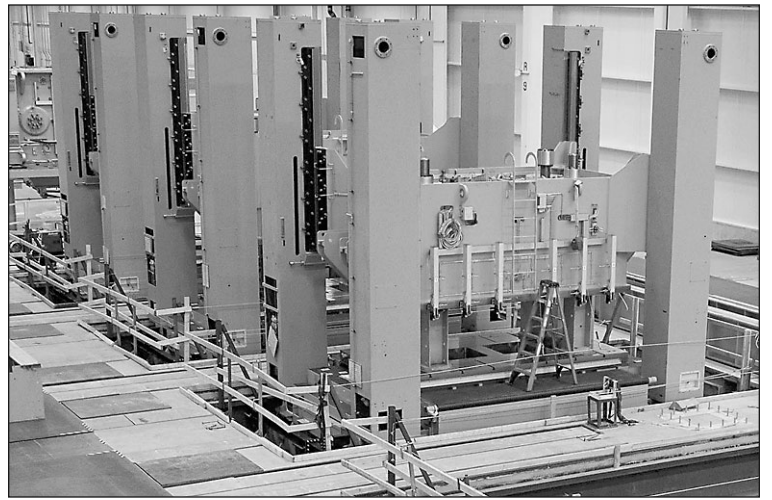
The investment also includes installation of two robotic framers, which allow better dimensional control to provide a

more precise drive experience, said Doran.

The Lansing Grand River Assembly Plant resumed a second shift of 500 jobs in late summer.

The new Chevrolet Camaro was introduced on Detroit's Belle Isle on May 16. To improve on that success, Doran said, 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.

"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



New stamping presses fill needs at Lansing Grand River Assembly.

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

Lansing-made family of great automobiles."

Built in 2001, Lansing Grand River is GM's second-newest U.S. assembly plant and also the manufacturing home of the ATS, CTS and CTS V-series cars.

## SLP to Show Supercharger

It's not just Detroit's three automakers that are going to the SEMA show in Las Vegas this year. SLP (Street Legal Parts) of Plymouth Township will also be there.

The public and the media, said SLP spokeswoman Melanie Pikosky, will see the company's new Supercharger for the LS7 7.0L engine during the SEMA Show this week.

Pikosky said SLP is historically known for its GM high-performance parts, and is expanding its supercharger line to the Z28 Camaro. The supercharger, also ideal for crate engine applications, packs a powerful drive with 625 horsepower.

"SLP's superchargers are designed, engineered, manufactured and tested for high-performance reliability," said Greg Banish, powertrain development

manager for SLP. "Initially we designed the package for about 650 horsepower, but you'll continue to see us supporting applications that push even higher horsepower in the future."

Also during SEMA, Pikosky said SLP will display a 2015 Chevrolet Z28 Camaro tribute car, benefiting Ride 2 Recovery, a nonprofit organization that works with veterans to restore hope and purpose.

Built by the team at Big Red Camaro and Hillbank Motorsports, "Big Red" debuts SLP's new supercharger for the LS7 7.0L engine.

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## TRW Receives Order for Its IBC System

ZF TRW of Livonia, the Active and Passive Safety Technology Division of ZF AG, has received its first production contract for the Integrated Brake Control (IBC) system - a vacuum independent technology that simplifies the brake system architecture while offering enhanced performance, said TRW spokesman John Wilkerson.

The IBC replaces, in a single integrated unit, the electronic stability control system, along with the vacuum booster and the associated cables, sensors, switches, electronic controllers and vacuum pumps where they are required for low or no vacuum configurations.

It is a highly scalable solution that can support the brake system requirements from A segment cars through to large Sport Utility Vehicles.

Manfred Meyer, vice president, ZF TRW braking systems, said The Integrated Brake Control system represents the future of braking technology and helps to satisfy the global industry trends of CO2 efficiency, safety and automated driving.

It supports all powertrain configurations, Meyer said, and can integrate regenerative braking technology for hybrids and electric vehicles. It also helps deliver advanced safety in the form of rapid building of brake pressure for high dynamic demands such as automatic emergency braking and will support brake vehicle control and stopping requirements for partially to fully automated driving functions.

The IBC system will launch in high volume in 2018 for a major vehicle manufacturer, Wilkerson said.

## Ford Expands Efforts to Help Feed the Poor

Ford is expanding its commitment in New England by launching a new philanthropic initiative with local dealers that will include \$2 million to fight hunger across the region, said Ford spokesman Todd Nissen.

Ford Motor Company Fund, the charitable arm of Ford Motor Company, will provide support, including vehicles, to 10 food banks in Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island and Vermont over five years. Ford is working with Feeding America, the nation's leading domestic hunger-relief organization, in connection with its outreach in New England.

"More than 12 percent of those living in the New England area lack reliable access to the food and nutrition needed to thrive," said Jim Vella, president, Ford Motor Company Fund and Community Services. "As part of our commitment to the communities we serve, we are stepping up our efforts in the fight against hunger."

Vella made the announcement at an event in October with local dealers, community leaders, and food bank representatives where Ford delivered the keys to a new Ford Transit van to The Greater Boston Food Bank. GBFB will use the van to help deliver food to individuals facing hunger in eastern Massachusetts, becoming part of a national network of Ford Transits the company launched six years ago to meet hunger needs.

Over the last decade, Ford has helped provide more than 100 additional vehicles to Feeding America member food banks. These vehicles enable food banks to collect food and grocery donations.



# Chevy's Bolt is the Result Of GM/LG Battery Venture

CONTINUED FROM PAGE 1

Show in January this year. Chevrolet confirmed in February that the Bolt EV would go into production at GM's Orion Township assembly plant in late 2016.

Engineers considered different vehicle architectures, electric driving ranges and performance options for the Bolt EV before deciding the vehicle must be affordable and deliver 200-plus miles of all-electric driving with spirited performance, Kelly said.

LG supplied an array of new components and systems for the Chevrolet Bolt EV, including:

- Electric Drive Motor (built from GM design);
- Power Inverter Module (converts DC power to AC for the drive unit);
- On Board Charger;
- Electric Climate Control System Compressor;
- Battery Cells and Pack;
- High Power Distribution Module (manages the flow of high voltage to various components);
- Battery Heater;
- Accessory Power Module (maintains low-voltage power delivery to accessories);
- Power Line Communication Module (manages communication between vehicle and a DC charging station);
- Instrument Cluster;
- Infotainment System.

"Chevrolet needs to be disruptive in order to maintain our leadership position in electrification," said Mark Reuss, GM executive vice president of Global Product Development, Purchasing and Supply Chain. "By taking the best of our in-house engineering prowess established with the Chevrolet Volt and

Spark EV, and combining the experience of the LG Group, we're able to transform the concept of the industry's first long-range, affordable EV into reality."

LG Electronics Vehicle Components led a team of LG companies, including LG Chem, LG Innotek, LG Display and LG Electronics, to help develop the Bolt EV, Kelly said. LG Electronics has invested more than \$250 million in an engineering and manufacturing facility in Incheon, Korea, to support the component development and manufacturing for Bolt EV components.

"Being selected as GM's EV technology partner positions LG as a key player in next-generation vehicular technologies," said Woo-jong Lee, president and CEO of the LG Electronics Vehicle Components Co. "The opportunity to work with GM on such game-changing technology is indicative of exactly the type of contributions that traditional tech companies can make in the automotive space."

GM's relationship with LG began in 2007 when LG Electronics was tasked with supplying the vehicle communications module for OnStar, GM's exclusive telematics system, Kelly said. Another LG-owned company, LG Chem, and GM have a long-standing relationship: the company was chosen as the sole supplier of battery cells for the first-generation Chevrolet Volt, which launched in 2010.

After delivering "exceptional" quality for the more than 23 million cells with less than two problems per million cells produced for the first-generation Chevrolet Volt, Kelly said GM turned to the LG Corp. to bring forward new expertise.

# MORAN CHEVROLET This Weeks SPECIALS!

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\*Pictures may not represent actual sale vehicle. All applicable incentives including conquest and/or loyalty offers have been deducted from Sale Prices/Payments and are subject to change by the manufacturer without notice and are plus title, tax and plate fees. GM Employee discount is required where noted. Leases are 10,000 miles per year. Silverado Down Payment assistance requires financing through ALLY, GM Financial or Wells Fargo. Lease pull ahead is for current Chevrolet lessees and will waive up to 3 remaining payments (\$1500 maximum). \$2500 Volt incentive is available on most 2015/2016 models. Must have 1999 or newer non-GM lease for Competitive Brand offer. Amount depends on model. KBB Trade-In guarantee is on 2003 to 2011 model vehicles less reasonable reconditioning costs. No bad Carfax or branded titles. Certain restrictions apply, see dealer for complete details on all incentives/offers. Sale ends 11/2/2015 @ 6:00PM.

# ATTENTION GM EMPLOYEES

## WITH VOLT IN HOUSEHOLD OR VOLT LEASE IN HOUSEHOLD LEASE ONE OF THESE FABULOUS DEALS

### 2016 Chevrolet Trax LS

from **\$83\*** mo



### 2016 Chevrolet Cruze

from **\$92\*** mo



### 2016 Chevrolet Malibu

from **\$151\*** mo



### 2016 Chevrolet Equinox

from **\$143\*** mo



**REMINDER: GM EMPLOYEES WITH \$1,000 VOUCHER SAVE AN ADDITIONAL \$43 PER MONTH GM EMPLOYEES WITH \$2,000 VOUCHER SAVE AN ADDITIONAL \$86 PER MONTH PROGRAMS THROUGH 11/02 CALL FOR NEW GREAT PROGRAMS**

Leases are 24 month leases. 10K per year. All payments are plus Tax, Title, Doc fee & plate fees. All payments are Based on GMS pricing. Must have Volt in household

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# VYLETEL

HUGE INVENTORY CLEARANCE SALES EVENT  
Leases Starting At \$99.00 per month

VISIT OUR WEBSITE TO SEARCH FOR MORE VEHICLES & GREAT DEALS ON NEW BUICK'S OR GMC'S AT WWW.VYLETEL.NET

## 2015 BUICK LACROSSE DEMO SPECIAL "LOW MILES"

NOW **\$23,499\*** WAS \$34,945

SAVE OVER \$11,400 OFF MSRP • 5 TO CHOOSE FROM

24 MONTH BUICK EXPERIENCE LEASE  
FREE Maintenance • FREE XM Radio • FREE OnStar

### 2015 GMC TERRAIN

FWD • SL1

**\$119\*** 24 MONTH LEASE FOR ONLY 10K PER YEAR

FREE 2 YR MAINTENANCE



Stock #8612-15 • Deal #52862  
\$1415 total due at signing.  
GM pricing plus tax, title & lic.  
Must have Non GM in household set to expire 365 days from delivery.  
NO SECURITY DEPOSIT REQUIRED!

### 2015 GMC ACADIA

FWD • SLE-1

**\$169\*** 24 MONTH LEASE FOR ONLY 10K PER YEAR

END OF MODEL SALE



Stock #7945-15 • Deal #57395  
\$1510 total due at signing. GM pricing plus tax, title & lic. Must have Non GM in household set to expire 365 days from delivery.  
NO SECURITY DEPOSIT REQUIRED!

### 2015 GMC YUKON

4WD • 4DR • SLE

**\$395\*** 27 MONTH LEASE FOR ONLY 10K PER YEAR

\$1,995 DOWN



Stock #8686-15 • Deal #55769  
\$2791 total due at signing.  
GM pricing plus tax, title & lic.  
Must have Buick/GMC lease in household for lease loyalty rebate.  
NO SECURITY DEPOSIT REQUIRED!

### 2015 GMC SIERRA

1500 • 4WD • DOUBLE CAB

**\$179\*** 24 MONTH LEASE FOR ONLY 10K PER YEAR

ATTENTION CURRENT BUICK/GMC LESSEES



LIMITED EDITION ELEVATION SERIES  
Stock #8588-15 • Deal #52863  
\$1912 total due at signing.  
GM pricing plus tax, title & lic.  
Must have Buick/GMC lease in household for lease loyalty rebate.  
NO SECURITY DEPOSIT REQUIRED!

### 2015 BUICK LACROSSE

**\$216\*** 24 MONTH/10K PER YEAR LEASE FOR ONLY

\$1,996 DUE AT SIGNING



24 MONTH BUICK EXPERIENCE LEASE  
FREE Maintenance • FREE XM Radio • FREE OnStar

Stock #4437-15 • Deal #52858  
GM pricing plus tax, title & lic.  
Must have Buick loyalty.  
Must have Non GM in household set to expire 365 days from delivery.  
NO SECURITY DEPOSIT REQUIRED!

### 2015 BUICK ENCORE

**\$109\*** 24 MONTH/10K PER YEAR LEASE FOR ONLY

\$817 DUE AT SIGNING



24 MONTH BUICK EXPERIENCE LEASE  
FREE Maintenance • FREE XM Radio • FREE OnStar

Stock #4481-15 • Deal #49782  
GM pricing plus tax, title & lic.  
Must qualify for lease conquest rebate.  
Must have Non GM in household set to expire 365 days from delivery.  
NO SECURITY DEPOSIT REQUIRED!

NOW SELLING BELOW EMPLOYEE PRICING ON 2016 BUICK SEDAN MODELS. FOR LIMITED TIME ONLY HURRY WHILE OFFER LAST.

EXPERIENCE THE NEW BUICK

### ALL NEW 2016 BUICK ENCLAVE

AWD • PREMIUM EDITION

**\$359\*** 36 MONTH/10K PER YEAR LEASE FOR ONLY

\$1,665 DUE AT SIGNING



Heat & Cool Seats, Navigation, Bose Sound System, Rear Camera/Assist, Trailering Equipment & More.  
24 MONTH BUICK EXPERIENCE LEASE  
FREE Maintenance • FREE XM Radio • FREE OnStar

Stock #4443-16 • Deal #57957  
GM pricing plus tax, title & lic.  
Must have Non GM in household set to expire 365 days from delivery.  
NO SECURITY DEPOSIT REQUIRED!

### ALL NEW 2016 BUICK REGAL

NO JOKE

**\$99\*** 24 MONTH/10K PER YEAR LEASE FOR ONLY

\$899 DUE AT SIGNING



OFFER GOOD THRU MON NOV. 2<sup>ND</sup>  
24 MONTH BUICK EXPERIENCE LEASE  
FREE Maintenance • FREE XM Radio • FREE OnStar

Stock #4498-16-15 • Deal #57956  
GM pricing plus tax, title & lic.  
Must have Non GM lease in household set to expire 365 days from delivery.  
Payment plus tax.  
NO SECURITY DEPOSIT REQUIRED!

VISIT OUR WEBSITE TO SEARCH FOR MORE VEHICLES & GREAT DEALS ON NEW BUICK'S OR GMC'S AT WWW.VYLETEL.NET

**40755 Van Dyke • Sterling Heights • 586.977.2800**

**WWW.VYLETEL.NET** SALES: Sun CLOSED; M, TH 8:30am-9pm; T, W, F 8:30am-6pm; SAT 10am-3pm  
SERVICE: Sun CLOSED; M, TH 7am-8pm; T, W, F 7am-6pm; Sat 8am-1pm

\*GM Employee Pricing Plus Tax, Title, Lic. and Doc. No Security Deposit Required. Programs subject to change. Photos may not represent actual vehicle. Price is subject to change without notice. See dealer for details. Expires 11/2/15.





# COLLISION CENTER

SERVICING ALL MAKES AND MODELS • PICK UP & DELIVERY

- Servicing all makes and models (including light & medium duty trucks) foreign or domestic
- Incredibly fast repair time
- All vehicles serviced by Certified Master technicians in auto body repair, mechanics, and refinishing
- Brand new state of the art spray booths and equipment
- New dustless repair system
- Vehicle safety and performance is top priority. We make sure that the structural restoration of the vehicle meets or beats manufacturer's recommended specifications
- Alternative transportation available
- Courtesy detail
- Lifetime warranty on all body work performed (Ask for details)



Providing full service glass repair and replacement for all makes and models.



61,000 sq. ft.

**We're Green!** Our collision center recycles and uses environmentally friendly paints and practices when working on your vehicle.

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**FREE Oil Change**  
 \*One Discount Per Visit  
 With minimum \$500.00 collision repair. Valid through November 30, 2015.  
  
 5 quarts standard motor oil. Additional charge for Diesel and Specialty Vehicles.

**FREE Loaner Car**  
 \*One Discount Per Visit  
 With minimum \$500.00 collision repair. 3 day rental, based on availability. Valid through November 30, 2015.

## e Estimate

We offer you...

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- The Convenience of getting an **FREE** estimate without leaving your home or office.
- The ability to receive a fast, professional quote on light damage to your vehicle.
- Information on the cost to repair your vehicle to help you determine if a claim should be filed.

You simply need to...

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2. Visit our website [www.palacecj.com](http://www.palacecj.com) - then click link to collision center
3. Fill-out the brief form and attach your photos

We'll give you a quote promptly!

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HOURS: Mon.-Thurs. 7:30am-6:00pm • Fri. 7:30am-5:00pm

