Tech Center News.

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GM Designers Take 100 Classics to Woodward

by Jim Stickford

While car lovers from around the world visited Woodward Avenue for the 2018 Woodward Dream Cruise, members of GM's Design Division showed off their love of automotive excellence by holding the ninth annual Design on Woodward gathering.

The annual celebration started off Aug. 15 with a parade of classic vehicles, starting at the GM Tech Center in Warren and ending at Memorial Park in Royal Oak.

Dave Lepore, a supervisor in the Tech Center's Metal Model Shop, was co-chair of the event with Kathy Englehart, who works in the Tech Center's Design Academy in Production Training.

"We had almost 100 vehicles registered for this event," Lepore said. "We had 79 registered for the parade from the Tech Center to the park. We in Design really love this event because it gives us the chance to show off our love of cars and our custom vehicles. Not only do we talk the talk, we walk the walk."

Englehart said what's fun is seeing how the motorcycle officers from the Warren police department enjoy themselves.

"They go and close off streets between the Tech Center and Memorial Park along 13 Mile," Englehart said. "So we get to drive to the park without having to worry about traffic. And this year 13 Mile has road work being done, but we didn't have to worry about traffic slowing up as the number of lanes available to traffic went from two to one.

"So, our thanks to the Warren police department for all their help. It is fun seeing the cops take time to look at our cars once the parade is over."

Michael Simcoe, vice president of Global Design, brought a black 2018 ZL1 Camaro to the gathering. "I picked that one because it's one of our latest designs and one of our best," Simcoe said. "This event is such a great way for employees and retirees to come together and demonstrate their

CONTINUED ON PAGE 3



Tony Churchwell with his 1965 Chevrolet Impala at GM's Design gathering on Woodward.

Last Lingenfelter Cars & Coffee for Summer Coming

Summer is coming to a close and that means that car enthusiasts will soon be seeing the last Lingenfelter Cars & Coffee gathering of 2018.

Each Saturday morning since June 2, Lingenfelter's North Engine Build Facility in Wixom opened its doors and parking to the public, said Lingenfelter spokesman Chris Morrisroe. The location became a gathering spot for car lovers to show off their auto designs and see the latest in performance cars from Lingenfelter Performance Engineering. The 2018 Saturday morning meetups will end after Saturday, Aug. 25. The theme for the last gathering is Battle of the Brands.

Guests will have the chance to "vote" on their favorite auto brand by attending with a car from that automaker, Morrisroe said. There is no fee to participate, but guests are asked to donate to Gleaners Community Food Bank. Nonperishable food items and monetary donations will be accepted on-site.

La Perfetto Cappuccino is partnering with Lingenfelter Cars and Coffee for the third consecutive year to bring refreshments to guests at this final gathering.

AVs Favored to Aid Elderly, Disabled

New research shows that a majority of Americans support the use of autonomous vehicles (AVs) to improve the independence of seniors and individuals with disabilities.

In a survey fielded by Morning Consult for the Coalition for Future Mobility, 57 percent of respondents say they are likely or very likely to support AVs because of the potential they have to transform the lives of Americans who are elderly or disabled, said Coalition spokesman Scott Hall.

There were nearly 40 million Americans with a disability in 2015, according to the U.S. Census Bureau. Additionally, there are about 46 million people age 65 or older in the United States today – a number that is expected to more than double by 2060, Hall said. Older Americans often face challenges associated with driving as they age. AVs hold the potential to allow both groups to more easily get to places like work, school or the doctor's office, improving independence, educational and work outcomes and quality of life, said Hall.

"Blind people are able to live independent, productive lives with the assistance of alternative tools and techniques," said Mark Riccobono, president of the National Federation of the Blind.

"For example, we use braille to gain information, as we recently demonstrated by sending braille materials to members of Congress.

"Currently, however, the fact that we must rely on mass tran-

sit, ride-share or other services for transportation limits our flexibility and can present barriers to opportunity. Autonomous vehicles have tremendous potential to remove those barriers and expand the independence of the blind and others with disabilities."

Most Americans agree, Hall said. The Coalition for Future Mobility, which advocates for the testing and deployment of autonomous vehicle technology, comprises a wide range of groups representing individuals with disabilities, the elderly, veterans, environmentalists, automotive companies and the technology industry.

The coalition continues to expand, and recently added the U.S. Pan Asian American Cham-



Mary Barra presents a GM autonomous test vehicle at Orion Assembly.

ber of Commerce (USPAACC) Education Foundation to its list of members.

USPAACC Advocacy, founded in 1984, is the largest and most

established nonprofit organization representing the Pan Asian American business and professional community in the country.



The debut of the 2018 Mustang Cobra Jet by Ford attracted a lot of attention from the automotive media.

New Mustang Cobra Flies, Vrooms in True Jet Form

by Jim Stickford

What better way to kick off the 2018 Woodward Dream Cruise then by introducing what Eric Cin calls "the fastest stock drag race car in the world"?

Cin is the global director of Ford Performance Parts, the group that revealed the quickest drag racing Mustang ever, the Cobra Jet.

The new car is capable of covering a quarter-mile in the mideight-second range. It was unveiled at a special press event on Woodward in Royal Oak Aug. 16.

The 2018 Mustang Cobra Jet is a limited-edition turnkey race car that honors the 50th anniversary of the original that dominated

drag strips in 1968, said Ford spokesman Jiyan Cadiz.

The Ford Performance Parts team developed the 50th Anniversary car to be the most powerful and quickest Mustang Cobra Jet from the factory ever – capable of topping 150 mph in the quarter-mile run.

The project epitomizes the close teamwork between traditional and motorsports engineering groups to maximize the design, performance and durability of production Mustangs, said Cin.

"From the very first Mustang Cobra Jets dominating the 1968 NHRA Winternationals to our

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Southfield-Based **Busche Gets** New CEO

Shipston Equity Holdings, LLC, the parent company of Busche Performance Group and Busche Aluminum Technologies of Southfield has selected Joseph Perkins as its new Chief Executive Officer.

On the heels of a substantial equity infusion, which materially strengthened the company's balance sheet and bolstered its working capital position, the board unanimously agreed to the appointment of Perkins, who will round out the executive management team.

Perkins said his vision overlays perfectly with the board's vision of continuing to build the Busche organization into a strategically-relevant, supplierof-choice for the OEM's - prioritizing a partnership with its customers that they can rely on through the ever-changing manufacturing, retail and economic cycles.

Nick Busche, founder, will remain as the company's president and chief operation officer.

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GM Customer Care and Aftersales launched a Collision Repair Network.

GM Plan Emphasizes Care

tion with car owners doesn't end once the buyer leaves the showroom floor.

General Motors' Customer Care and Aftersales division launched on Aug. 8 the GM Collision Repair Network at NACE Automechanika Atlanta, a trade show dedicated to the automotive collision industry, said GM spokeswoman Christine Kunde.

The network is designed to help drive customer safety, customer satisfaction and strong results for dealers and independent collision repair facilities, said John Eck, collision manager, GM Customer Care and Aftersales.

'We put the customer at the center when we designed the GM Collision Repair Network because for them, nothing is more important than knowing they can trust in the safety and integrity of their vehicle when it leaves the repair facility," said Eck. "The collision repair industry will benefit too. The National Highway Traffic Safety Administration reports more than six million police-reported car crashes occur every year, and as vehicle tech-

For General Motors, interac- nology evolves, it's more important than ever to complete proper repairs and run an efficient enterprise.'

After a collision, GM's Collision Repair Network, combined with OnStar, helps educate and empower GM vehicle owners by helping them locate repair facilities where qualified technicians follow proper repair procedures using original equipment replacement parts, Eck said.

For dealerships and independent collision repair facilities, the new Collision Repair Network will build on GM's current training and tools-focused programs, while adding standards for preand post-repair scanning, repair calibration and procedures, overall repair.

Repair facilities in the network should experience a more streamlined collision repair process, including reduced time spent on diagnosing and pulling repair procedures, Eck said.

Dealers and independent collision repair facilities interested in the GM Collision Repair Network can email GMCollisionRepairNetwork@GM.com or visit Gen-

adillac

Aptiv Continues Growth by **Buying Another Company**

Aptiv PLC, a global technology company spun off from Delphi Automotive, has entered into a definitive agreement to acquire Winchester Interconnect from an affiliate of Snow Phipps Group for \$650 million.

Based in the United States. Winchester is a leading provider of custom engineered interconnect solutions for harsh environment applications, said Aptiv spokeswoman Rachelle Valdez.

For over 75 years, Winchester has delivered mission-critical interconnect solutions for high cost-of-failure applications across a broad range of industries, including aerospace and defense, semiconductor, industrial automation, and medical, Valdez said. With approximately \$250 million in revenue, Winchester has a strong track record of profitable growth, a testament to the quality of the company's innovative portfolio of branded products.

"Winchester further establishes Aptiv as a market leader in connectivity solutions and is a strategic fit to our Signal & Power Solutions segment," said Kevin Clark, president and CEO of Aptiv. "By adding to our over \$1 billion in non-automotive revenues today, this transaction further strengthens our adjacent market platform and leverages our harsh environment expertise in engineered components. We are committed to supporting and empowering Winchester's talented team, and we welcome them to Aptiv."

"We are very excited to join Aptiv," said Winchester's President and CEO Kevin Perhamus. "We believe that Aptiv's global reach and leadership in innovation will further enable us to help solve our customers' most difficult connectivity challenges."

"We have enjoyed partnering with Kevin and his strong management team to build and diversify Winchester through acquisitions and significant organic growth," said John Pless, Partner at Snow Phipps. "We believe Winchester will continue that success within Aptiv."

The transaction is subject to regulatory approval.

and other customary closing conditions and is expected to close by the end of 2018, Valdez said. Upon completion of the transaction, Winchester will operate as an independent business unit within Aptiv's Signal & Power Solutions segment.

Warren Library **Hosting Fun Exhibitions**

The Warren Public Library has been selected from libraries across the U.S. to host the "Backyard Wilderness" exhibition at its Arthur Miller Branch, now through Oct. 5.

The exhibit is produced by the California Academy of Sciences and HHMI Tangled Bank Studios, the filmmakers of the 3D IMAX film of the same name. This popup, 60-foot-square-exhibit encourages children and families to explore the natural world around them, said Warren librarian John Robertson.

It features photorealistic artwork, a scavenger hunt in which children can try to locate 15 different plants and animals hidden in the exhibit, "telescopes" which zoom in on featured animals in the exhibit, and tips on how to explore nature outdoors. After viewing the exhibit, patrons can check out a variety of nature-themed books for both children and adults at library book displays, as well as take home a family activity guide.

In addition to the exhibition, the Miller Library will be hosting a BioBlitz on Sept. 8 from 9 a.m. to noon.

A BioBlitz is an intensive, short search for biodiversity in a specific location.





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Tech Center News

AUGUST 20, 2018

COVERS THE TECH CENTER AND THE IMMEDIATE AREA



Adam Barry is proud of his dream car, a 1968 Camaro SS.

Robinette's 1980 Corvette is still in the process of being restored.

GM Designers Celebrate The Company's Heritage

I did.'

restoration.

nette said.

white color.'

work in progress. But that didn't

stop him from bringing the car to

Design on Woodward. The action

was in the nature of before

"This needs a paint job," Robi-

'To get it into any kind of con-

dition, I had to fix the motor, fix

the transmission. It needs minor

work done in the interior. But it

will look good when I paint it. I

plan on keeping the original

Ray Miller, on the other hand,

has done all the work that needs

CONTINUED FROM PAGE 1

passion for designs and for cars." One of those fans of old school GM design is Tony Churchwell. He works in GM's Design Paint Shop and he brought his 1965 Chevy Impala to Design on Woodward.

"This is a special car to me because it has a twin turbo LS engine that I swapped out," Churchwell said. "I've owned it for just over a year. I bought it from a friend of mine from Rockford, Ill. His name is Greg Taylor. This is just a great car and I am proud to own it.'

Adam Barry, lead exterior designer for the 2018 Camaro showed his love of the model through his Hugger Orange 1968 Camaro SS.

"I've owned this car for 15 years," Barry said. "I got it when I was 27 years old. I aways wanted this car. My dad Sonny restores hot rods and one he fixed was a 1968 Camaro SS in Hugger Orange

"When I was in high school, I used to visit his shop and just sit in that car and dream of owning it. When I started making money



Ray Miller shows his 1959 Corvette, which he bought when he was 13.

to be done with his 1959 Corvette. He retired from working in the GM Design Center a year ago.

He has owned his 1959 Corvette since 1970. He actually was able to buy when he was 13.

"I spent the next three years fixing it so it would be ready to drive when I turned 16," Miller said. "It's been restored twice, the last time was seven years ago, and it took me nine years to get everything done.

"When I first bought it, the motor didn't work, it needed interior work, exterior work. But I got it running. I drive it a couple of times a week and even drag race it at Milan Dragway. People don't believe it because I keep that car in pristine condition. But what's the point of having a great car, if you're afraid to drive it?"

Back-to-School **Right Time to** Vaccinate Kids

Back-to-school season is here and it's also the perfect time to make sure your children are upto-date on their vaccines.

"Getting children all of the vaccines recommended by the CDC's immunization schedule is one of the most important things parents can do to protect their children from serious disease,' said William Ridella, director/health officer, Macomb County Health Department. "Now is the time to check with your health care provider to find out what vaccines your child needs."

When children are not vaccinated, they are at increased risk for diseases and can also spread disease to others in their classrooms, in the community, and in the home.

The State of Michigan requires that all school age children receive vaccines such as polio, measles, mumps, rubella, diphtheria, tetanus, pertussis, hepatitis B, varicella and meningococcal before they will allow entry into all public and non-public schools. The Macomb County Health Department provides all of these vaccinations, as well as other vaccinations such as rotavirus, hepatitis A, shingles, rabies, pneumonia, human papillomavirus (HPV9), meningococcal B and the seasonal influenza.

To learn more about vaccines, including our clinic hours, please visit our website at www.health.macombgov.org, or call one of the County Health Centers and ask to speak with an Immunization Public Health Nurse, said Macomb County spokeswoman John Cwikla.



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TECH CENTER NEWS - WARREN

AUGUST 20, 2018



Making Jewelry is Helping Women Recover

Mend on the Move is raising money to help abused women get back on their feet through the manufacturing of jewelry.

The 501c charitable organization, founded by Joanne Ewald, currently works with Samaritas House Detroit (Heartline), a safe haven that provides shelter, food, a supportive environment and discipline to women leaving the Correction System or who are homeless.

"Each week, we work with the women there, teaching them jewelry-making skills. Many of our products are made with reclaimed leather and metal automotive parts," said Ewald. "The women are paid for their work and are able to see the results, which is a big confidence builder."

Ewald said that Mend on the Move has been successful in its mission goal of helping abused women. In fact it's been so successful that the group has outgrown its work space.

"We are currently working in a conference room," Ewald said. "In July, we started a five-week fundraiser to raise \$60,000 to retrofit a trailer that will be our mobile art studio."

The fundraiser officially ended on Aug. 14, Ewald said, and they

A local organization called were able to raise about \$18,000. "We still haven't received funds from all the organizations that stated they were interested in making donations," Ewald said. "While the fundraiser is officially over, we are still looking for donations and won't turn any money down."

Ewald said that, as a survivor of abuse, she found that making jewelry is therapeutic. That was where she got the idea for Mend on the Move. And she said what's interesting is that they often use auto parts as the foundation of the jewelry that is made.

"I was abused from age four to 13," said Ewald. "I was one of the fortunate ones. My abuse didn't lead to trafficking, addiction, homelessness or domestic abuse. Through Mend on the Move, I hope to help break the silence of abuse and trafficking, empower survivors, and be their voice until they become strong enough to find their own."

For more information on Mend on the Move and the "Keep Mend Moving" CrowdRise campaign, visit the organization's web site at htp://www.mendonthemove.org.



Mend on the Move is seeking funds for a van to help abused women.

MCC Enjoys Strong Fundraising Efforts

Macomb Community College's first comprehensive fundraising campaign, Mission Macomb: Creating Opportunities & Changing Lives, has concluded, raising \$10,753,000.

Nearly 8 percent over goal, the monies raised over the five-year campaign are supporting three priority areas: student success, innovation and entrepreneurship, and arts and culture, said Jeanne Nicol, MCC director of Public Relations.

"It's gratifying not only to reach but to exceed such an ambitious goal for a first-time campaign," said James O. Sawyer IV, Ed.D., MCC president. "The dedication and passion of Macomb Community College's supporters have been a driving force in raising critical resources to ensure the college is a distinctive educational institution acutely attuned to our community's needs."

Unlike universities, major fundraising initiatives are newer to community colleges, Nicol said. With the significant erosion of the college's primary funding sources during the Great Recession, cultivating alternative sources of support is imperative, not only to preserve essential offerings but also to continue investment in new programs and resources to prepare residents for emerging opportunities.

Campaign Mission Macomb's success has had a tangible impact, with the number of private scholarships for students doubling, along with additional investment in key college programs and services, such as Reading and Writing Studios that provide vital assistance to students in meeting college-level and workplace communication skills. Sawver said.

The campaign resulted in a number of significant firsts for the college, including:

• Largest single gift received by an individual - a \$375,000 donation.

• Largest planned gift - a \$700,000 commitment.

• Largest corporate gift - \$1 million.

• First lifetime donation pledge to establish the Veterans of United States Scholarship -\$25,000 initial gift to be followed by annual contributions of \$25,000.

The campaign was also a catalyst for formalizing MCC's ability to support philanthropy, bringing together community leaders, retired faculty and alumni to create a Retiree Association, an Alumni Association and a Community Board of Directors for the college's foundation.

"Macomb Community College is a vital community asset, har-

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nessing the transformative power of higher education for our residents' and community's benefit," said Maria Silamianos Sherman, chair of Campaign Mission Macomb.

She is a Macomb Community College graduate as well as one of the first students to attend the University Center, Macomb which provides residents local access to advanced degrees through partnerships with senior institutions, Nicol said. She has been a Macomb County business owner for more than 20 years and is president of Clinton Township-based Omega HR.

"It was a meaningful experience to help build Macomb's capacity for philanthropy with my fellow community directors on the foundation's board, thereby contributing to the college's ability to ensure Macomb County residents have access to the education that will make a significant, positive difference in their lives," Sherman said.

FCA Lets Rubber Hit Road on Woodward Avenue

Visteon, ZongMu Developing New AV Technology

Visteon Corporation of Van Buren Township, an automotive leading cockpit electronics supplier, and ZongMu Technology (Shanghai) Co., Ltd., a Chinabased supplier of advanced driving assistance systems (ADAS), have entered into a strategic cooperation agreement to develop certain Level 3-plus autonomous driving solutions.

Under the agreement, Visteon Asia Pacific Inc. – a Visteon subsidiary in China – and ZongMu Technology will leverage their strengths to jointly develop a self-parking solution integrating Visteon's DriveCore autonomous driving platform and ZongMu's autonomous parking system, said Visteon spokesman Jim Fisher.

Markus Schupfner, chief technology officer for Visteon, said the cooperative agreement with ZongMu supports Visteon's commitment to collaborate with highly respected technology partners to advance autonomous driving in the fastgrowing China market.

"Our selection of ZongMu as a technology partner in fully autonomous parking is based on its product solutions and technological capabilities, and will help accelerate implementation of serial production of final products," Schupfner said.

Tang Rui, founder and CEO of ZongMu Technology that as a global leading technology company, Visteon has made a lot of active investment in autonomous driving and ZongMu looks forward to collaborating with Visteon, following a pragmatic and creative approach to further define the product and rigorously create a viable Level 4 autonomous driving product. It never gets old. In fact, interest continues to grow as this year's Roadkill Nights Powered by Dodge attracted more than 44,000 enthusiasts from around the country to watch and participate in legal street racing on historic Woodward Avenue.

The ROADKILL brand features authentic gearheads David Freiburger and Mike Finnegan in a variety of mediums, including the popular YouTube automotive original series in the United States, Roadkill Nights-branded events, and "Roadkill Extra" and "Roadkill Garage" shows, available exclusively on *Motor Trend's* YouTube channel.

"Roadkill Nights Powered by Dodge is an absolute larger-thanlife event that represents what Dodge is all about: power, performance and excitement," said Steve Beahm, FCA-North America's head of Passenger Car Brands – Dodge//SRT, Chrysler, and Fiat.

"Going beyond the need for speed, this event offers an incredible opportunity for pure enthusiasts to come together and share their passion for classic and performance car culture in a sanctioned environment."

In addition to cash prizes for the fastest racing finalists and Dodge cars on the drag strip, the fourth annual car festival, held Aug. 11, gave passionate car enthusiasts the chance to get in the passenger seat of a Dodge Charger SRT Hellcat or Challenger SRT Hellcat for thrill rides and drift rides, Beahm said.

Challenger SRT Demon simulators ranked those with the fastest virtual ¼-mile times. The car festival also included a chance to check out more than 250 custom and classic cars in a show 'n shine and to watch freestyle motocross dyno,



Old vs. new; a 1969 Charger raced a 2017 SRT Hellcat Challenger when street racing returned to Woodward..

flamethrowers and wheelstander exhibitions.

Leah Pritchett in her Top Fuel Dragster and Matt Hagan in his Dodge Charger SRT Hellcat NHRA Funny Car wowed the crowd with an exhibition run.

Bill Goldberg won the celebrity showdown challenge, taking the \$10,000 prize home to his charity Ahero, which connects veterans with patriotic members of local communities by organizing outdoor events and social activities.

"Only the combination of Dodge, the City of Pontiac and a worldwide car phenomenon, such as ROADKILL, can create an event with such amazing energy and atmosphere for so many passionate automotive superfans," said *Motor Trend* Group Automotive Events Senior Director Michael Deer.

"We appreciate everyone joining us this year for another epic event."

The event was something that attracted more than local atten-

tion. Fans from all over tuned in to the livestream of Roadkill Nights Powered by Dodge via Facebook, Twitter, Instagram and YouTube, totaling 4.1 million views of the event.

Street-legal cars numbering 128 hit the specially prepped 1/8mile drag strip on Woodward Avenue between Rapid Street and South Boulevard to compete in high-powered drag racing for cash prizes.

Racing ended early due to heavy rains, so the top 16 total finalists split \$20,000. The quickest Dodge cars in both the small and large tire categories also took home \$5,000 each.

Quickest Dodge:

James Pranis, Pennsylvania:
1968 Dodge Charger (Big Tire);
Peter Bokedon, Michigan:

1972 Dodge Dart (Small Tire). Top 8 Finalists (Big Tire):

• Gary Box, Ohio: 1965

Chevrolet Corvette; • Craig Groebner, Minnesota:

1971 Chevrolet Nova;

• Leon Hudson, Virginia: 1965 Plymouth Barracuda;

• Jimmer Kline, Michigan: 1966 Pontiac GTO;

• Jim Kline III, Michigan: 1996 Chevrolet Arcadian;

• Mike Mislivec, Michigan: 1982 Pontiac Trans AM;

• Bryan Rosario, Michigan: 1972 Chevrolet Camaro;

• Mark McGill, Michigan: 1978 Chevrolet Camaro.

Top 8 Finalists (Small Tire):

• Peter Bokedon, Michigan: 1972 Dodge Dart;

• William Gill, Michigan: 1966 Shelby Cobra;

• Adam Hodson, Indiana: 1973 Chevrolet Camaro;

• Kenny Laflower, Indiana: 1970 AMC Javelin;

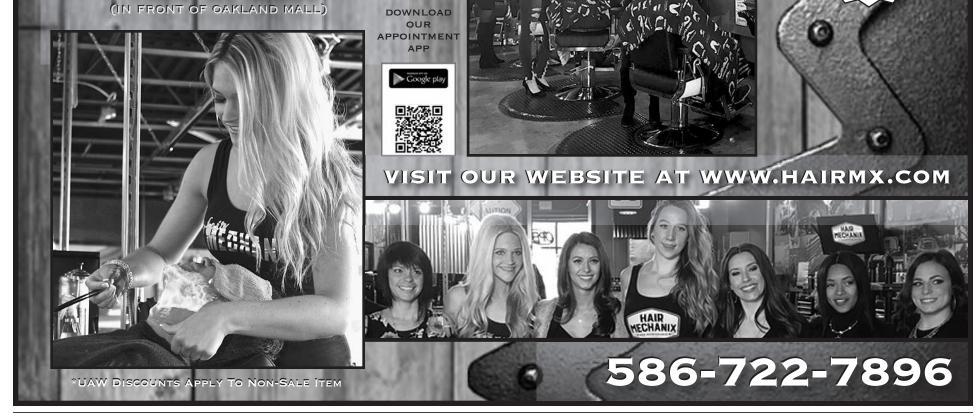
• John Lopez, Ohio: 1988 Ford Mustang;

• Justin Spiniolas, Illinois: 1991 GMC Sonoma;

• Carl Stancell, Michigan: 1984 Chevrolet S10 Blazer;

• Rick Steinke, Pennsylvania: 1967 Chevrolet Chevelle.





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GM, Shell Oil Form Alliance

Shell Oil Company and General Motors have joined forces so that Shell-branded stations across the United States will now accept the automotive industry's first-ever embedded, in-dash fuel payment and loyalty experience program.

Customers who look to fuel their eligible Chevrolet, Buick, GMC and Cadillac vehicles at Shell stations, will be able to use Shell Pay & Save within GM Marketplace to pay for their fuel directly from their vehicles' infotainment screen, and earn and redeem valuable Fuel Rewards savings in the process, said GM spokesman Stefan Cross.

Customers using this payment option will simply make a few selections on the vehicle's touchscreen and a three-digit code will be generated that allows the user to activate a specific pump and start fueling. The amount due is then automatically charged to the customer's payment method of choice, be that credit or debit or directly to their checking account.

All of this is done without swiping a credit card or using a mobile device and Fuel Rewards savings are automatically applied without the need to use a loyalty card, Cross said.

As part of the launch of indash fuel payment, customers driving eligible Chevrolet, Buick, GMC and Cadillac vehicles can earn a one-time discount of 25 cents a gallon in Fuel Rewards savings, as well as up to 20 gallons, on their next single fueling transaction after they sign up and use Shell Pay & Save within Marketplace and make a purchase of at least five gallons.

Plus, these customers can earn an extra 5 cents a gallon in Fuel Rewards savings, up to 20 gallons, after each fuel purchase of at least five gallons on every

fill-up through Dec. 31, 2018, Cross said.

"We are very excited to be able to announce that this technology is now live at Shell-branded locations across the United States," said Sydney Kimball, vice president, Fuel Sales and Marketing Americas for Shell Oil Products U.S. "What an incredible opportunity this is, and we couldn't be more thrilled to bring this to our customers."

Embedded in-dash fueling at Shell, the nation's largest branded fueling network, is powered by GM Marketplace, the automotive industry's first commerce platform for on-demand reservations and purchases of goods and services.

Marketplace allows General Motors vehicle owners to order food, make dinner reservations, find parking or hotels and locate and pay for fuel.

"Fueling is obviously an essential part of the vehicle ownership experience and we're excited to offer our drivers a new way to fuel up with convenience, security and speed," said Rick Ruskin, Marketplace Line of Business leader, GM.

"Through Marketplace, we've been able to harness the power of the connected vehicle to change the way people think about everyday tasks like filling up."

Shell and GM have worked with several companies to develop and roll-out this innovative technology and customer experience including Excentus, Xevo, Chase, Buy It Mobility (BIM) and Shell's payment platform provider, P97, Cross said.

This nationwide rollout to customers at participating Shellbranded stations comes following a successful pilot in select United States markets earlier this year, Cross said.

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Cars' Driver Assist Systems Could Fail, IIHS Study Says

by TOM KRISHER AP Auto Writer

DETROIT (AP) – Cars and trucks with electronic driver assist systems may not see stopped vehicles and could even steer you into a crash if you're not paying attention, an insurance industry group warns.

The Insurance Institute for Highway Safety, in a paper titled, "Reality Check," issued the warning Aug. 7 after testing five of the systems from Tesla, Mercedes, BMW and Volvo on a track and public roads. The upshot is while they could save your life, the systems can fail under many circumstances.

"We have found situations where the vehicles under semiautomated control may do things that can put you and your passengers at risk, and so you really need to be on top of it to prevent that from happening," said David Zuby, the institute's chief research officer.

Among the scariest found by the Virginia-based institute was with the system in two Tesla vehicles, the Model S and Model 3. The institute tested the system with the adaptive cruise control turned off, but automatic braking on. At 31 miles per hour, both Teslas braked and mitigated a crash but still hit a stationary balloon. They were the only two models that failed to stop in time during tests on a track.

Yet when the adaptive cruise control, which keeps a set distance from cars in front, is activated, the Teslas braked earlier and gentler and avoided the balloon, the agency said.

On the road, the institute's engineers found that all the vehicles but Tesla's Model 3 failed to respond to stopped vehicles ahead of them, the institute said.

The systems tested, in the Teslas, BMW's 5-Series, the Volvo S-90 and the Mercedes E-Class, are among the best in the business right now and have been rated "superior" in previous IIHS tests. Zuby said the systems do increase safety but the tests show they are not 100 percent reliable.

Many of the scenarios discovered by IIHS are covered in the vehicles' owner's manuals, which tell drivers they have to pay attention. But Zuby said not many people read their owner's manuals in detail.

Even though the systems have names like Tesla's "Autopilot" or Volvo's "Pilot Assist," they are not self-driving vehicles, Zuby said. "They will help you with some steering or speed control but you really better be paying attention because they don't always get it right," he said.

Many of the cars' lane-centering systems failed, especially on curves or hills. The BMW, Model S and Volvo "steered toward or across the lane line regularly," requiring driver intervention, the IIHS said.

The IIHS-affiliated Highway Loss Data Institute analyzed Tesla insurance losses to find that automatic braking and other crash avoidance features on the Model S were helpful in reducing property damage and bodily injury claims.

But adding "Autopilot," which includes automatic steering and lane-changing, only helped to lower collision claims.

The institute, which in the past has developed tests that made the auto industry strengthen vehicle structures, also said the California crash of a Tesla Model X SUV in March that killed a man shows the limits of the technology and the tendency of some drivers to misuse it.

The group also said a pedestrian death in Arizona involving an Uber autonomous vehicle shows the dangers of testing self-driving vehicles on public roads.

IIHS is developing ratings for driver assist systems and eventually will make recommendations on regulations for fully autonomous vehicles, Zuby said.





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SEC Checking Out Tesla

SAN FRANCISCO (AP) – Government regulators have subpoenaed Tesla as they dig deeper into CEO Elon Musk's recent disclosure about a potential buyout of the electric car maker, according to media reports.

The subpoena from the Securities and Exchange Commission demands information from each of Tesla's nine directors, according to a story published Wednesday in *The Wall Street Journal*. The newspaper cited an unidentified person familiar with the matter after Fox Business News reported the SEC's move.

Both Tesla and the SEC de-

Corporate governance experts say that caveat shows the financing of the deal isn't finalized, as Musk initially indicated, a contradiction that could be used to prove he deliberately misled investors with his tweet.

After Musk dropped his bombshell, Tesla's stock surged 11 percent in one day, damaging a class of investors who had been betting the company's shares would decline.

AAM Reports Its Second Quarter







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clined to comment Aug. 15.

The SEC opened an inquiry shortly after Musk surprised investors with an Aug. 7 tweet revealing that he had lined up the financing to buy all the Tesla stock from shareholders willing to sell.

The subpoena signals regulators have now opened a formal investigation into whether Musk was telling the truth in his tweet about have financing locked up for a deal that analysts have estimated would require \$25 billion to \$50 billion.

Under a scenario sketched out by Musk in a blog post Aug. 13, the deal would cost at the lower end of those estimates. Musk also revealed in the same post that he had been talking to Saudi Arabia's sovereign wealth fund about providing the money for a buyout that would end Tesla's eight-year history as a publicly held company, but he added that the financing was still contingent on due diligence.

Earnings

DETROIT (AP) – American Axle & Manufacturing Holdings Inc. on Aug. 3 reported secondquarter net income of \$151.1 million.

On a per-share basis, the Detroit-based company said it had net income of \$1.30. Earnings, adjusted for one-time gains and costs, came to \$1.23 per share.

The results beat Wall Street expectations. The average estimate of four analysts surveyed by Zacks Investment Research was for earnings of \$1.12 per share.

The maker of auto parts posted revenue of \$1.9 billion in the period.

American Axle expects fullyear revenue in the range of \$7.2 billion to \$7.25 billion.

American Axle shares have decreased almost 6 percent since the beginning of the year. The stock has climbed 11 percent in the last 12 months.

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TECH CENTER NEWS - WARREN

AUGUST 20, 2018



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Lear opened a new 156,000-square-foot facility in Flint this month.

Auto Supplier Lear Opens New Operation in Flint

Lear Corporation celebrated central focus in designing the the grand opening of a new manufacturing seating facility in Flint, on Aug. 14.

The event was attended by employees and their families, GM customers, City of Flint community members, Flint Mayor Karen Weaver, as well as other local government officials, said Lear spokeswoman Jenny Gogan.

The 156,000-square-foot facility will employ approximately 600 team members by the end of 2019, with over 400 being new hires to Lear.

The facility will build seats for just-in-time delivery to the nearby General Motors Flint Assembly plant, as well as the General Motors Fort Wayne plant in Indiana

"Flint is the definition of a community-driven city, fueled by dedicated people who are committed to making things happen," said Ray Scott, Lear president and CEO. "I see the opening of this plant as a way to show appreciation for Flint and bring together some of the hardest-working people in Michigan, while producing innovative, highestquality products for our customers.

The vision for the new facility was focused on building a high-performance work-teamstructured organization and fostering employee engagement. Plant associates will be managing many aspects of their teams, from hiring to providing quality assurance to supporting their peers.

Named GM Supplier of the Year 16 times. Lear consistently strives for efficiency, flexibility and speed, maintaining high standards for operational excellence in the plant, Scott said. The plant's state-of-the-art conveyor svstem utilizes Lear's proprietary LPS (Lear Production System), which monitors all key elements of the seat.

Erasing the traditional view that plants are unattractive places to work was an area of

facility. From modern, employeefriendly amenities utilizing Michigan products and vendors to open meeting spaces for active employee collaboration in dynamic groups, each aspect of the facility was carefully constructed.

Waste and recycling efforts will ensure the facility is a zero waste to landfill, said Gogan. Additional elements that will further contribute to the plant's environmentally friendly footprint include energy-efficient lighting and an area dedicated for green space - 30 percent of the 33-plusacre site.

In keeping with the desire to give back to the communities they serve, Lear is renovating Dort Park in Flint. Updates to the park include new landscaping, picnic area, a new modern and safe playscape and asphalt walking paths.

Lear's Flint seating plant is the first major automotive supplier manufacturing facility constructed in Flint in more than 30 years, Gogan said.

AAA Says That Gas Prices Are Up In Michigan

DEARBORN, Mich. (AP) - AAA Michigan says average gas prices statewide have risen about 8 cents to about \$3 per gallon.

The Dearborn-based auto club said on Aug. 13 that the average price for self-serve regular unleaded gasoline is about 51 cents more than at the same point last year. Michigan's lowest average price was about \$2.90 per gallon in the Traverse City area. The highest was in the Jackson area at around \$3.04 a gallon.

The Detroit-area's average was about \$3 per gallon, up about 2 cents. AAA Michigan surveys daily prices at 2,800 gas stations across the state.

Auburn Hills' **Nexteer Shows Strong Profits**

Nexteer Automotive, which has its North American headquarters in Auburn Hills, reported financial results for the sixmonth period ended June 30, 2018, with revenue reaching \$2.047 billion, an increase of 3.7 percent when compared with the same period of 2017, and net profit of \$200 million, an increase of 11.1 percent when compared with the same period of 2017.

The company generated free cash flow of \$183 million during the first half of 2018, reflecting a continued focus on operational efficiency and capital investment discipline, said Nexteer spokeswoman Lynn Pavlawk.

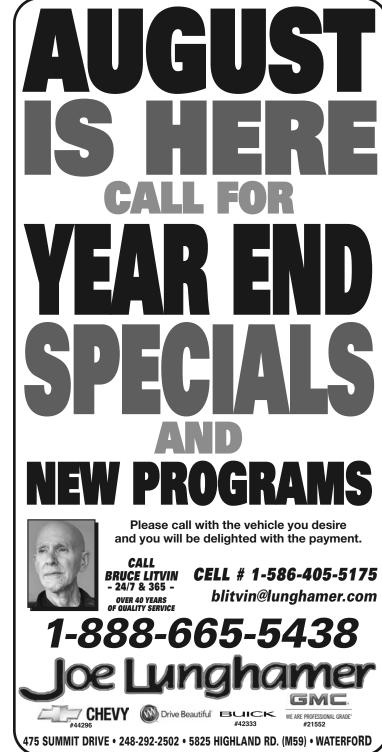
Nexteer's Backlog of Booked Business increased to \$24.9 billion at the end of June 2018, a 4.2 percent gain when compared with year-end 2017.

The strong financial results highlight Nexteer's ongoing execution and focus on delivering long-term profitable growth, Pavlawk said.

In the first half of 2018, the company successfully launched eight major customer programs and it has continued its efforts to increase its global footprint expansion in support of both current and future customer growth, Pavlawk said.

In the first half of 2018, Nexteer announced a new production facility groundbreaking in Morocco, extending the company's geographic reach to cost-effectively support customer vehicle production launches in both Europe and Africa.

Nexteer also announced that the company will be building a new driveline production facility in Queretaro, Mexico - marking the third production facility in this location, Pavlawk said.





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Automakers See Sales Decline in China Market

by JOE McDONALD AP Business Writer

BEIJING (AP) – China's auto sales shrank in July from a year earlier as SUV demand sagged, an industry group reported Aug. 10, adding to signs of economic malaise amid a tariff battle with Washington.

Sales of sedans, SUVs and minivans fell 5.3 percent from a year ago to 1.6 million in the biggest global auto market, the China Association of Automobile Manufacturers reported. Total vehicle sales, including trucks and buses, fell 4 percent to 1.9 million.

Auto demand has cooled amid forecasts of an economic downturn after Beijing tightened controls on bank lending to cool surging debt.

China's mounting tariff fight with U.S. President Donald Trump over Chinese technology policy has added to anxiety, though the economic impact so far is limited.

Beijing imposed 25 percent import duties on U.S.-made autos as part of its retaliation for a similar American increase. But that falls most heavily on BMW AG's imports of SUVs from a South Carolina factory. American brands produce most of their vehicles in Chinese factories.

Weak demand is a setback for global automakers that look to China to drive revenue and are spending heavily to develop models for local tastes.

Sales growth in June decelerated to 2.3 percent from the previous month's 7.9 percent. Fullyear 2017 sales growth was 1.4 percent.

SUV sales, usually the industry's bright spot, contracted 8.4 percent from a year earlier to 633,000, according to CAAM. Sedan sales shrank 1.2 percent to 815,000.

Sales of pure electric and gasoline-electric hybrids, boosted by subsidies and other government support, rose 47.7 percent to 84,000 but made up just 5 percent of the total.

Beijing is in the midst of a multibillion-dollar campaign to promote electric car development and sales in hopes of creating a profitable new industry. Automakers are rolling out dozens of electrics but still rely on sales of gasoline-powered models for their profits.

Ford is Entering Mustang in Stock Car Race

DEARBORN, Mich. (AP) – Ford will celebrate its iconic muscle car next year when it races the





Ford plans to conquer the Chinese market with this new Territory.

China is a territory Ford wants to conquer – with an SUV called the Territory.

Ford shared the first images of the new Territory on Aug. 9. It is a mid-size SUV with the affordable price-tag, rich technology and looks to carve inroads into China's richest vein of future growth – new buyers in emerging cities, said Ford spokeswoman Jennifer Flake.

Ford developed the Territory together with its joint venture partner, Jiangling Motors Corporation (JMC), a collaboration that melded JMC's deep insights into new Chinese customers' tastes with Ford's global expertise in vehicle design, engineering, testing and manufacturing, said Peter Fleet, president, Asia Pacific and chairman & CEO, Ford China.

"The Territory is a breakthrough for Ford in China in terms of our ability to successfully compete with Chinese automakers for millions of customers that we do not currently serve," said Fleet.

"Territory is a key proof point for how we will grow in China. We brought Territory to market with speed, high quality and cost efficiency. It will be affordable for young families and new buyers across China, not just the coastal mega-cities. And the technology will delight customers."

JMC provided insights into Chi-

nese customers' lifestyles and product preferences, while the Ford team leveraged its global expertise to design, engineer, and test Territory at Ford's testing centers in Nanjing, China and Melbourne, Australia, Fleet said.

The new SUV will be manufactured at JMC's Xiao Lan plant, which meets Ford's meticulous global manufacturing standards.

Territory customers can choose between a fuel-efficient gasoline engine option, 48V mild hybrid with Miller-Cycle technology, and a plug-in hybrid powertrain when it goes on sale in early 2019.

It also will offer Ford's infotainment system with intuitive Mandarin voice-command function, Co-Pilot360TM suite of driver assistance technologies, incorporating features such as Adaptive Cruise Control and FordPass Connect with embedded modem.

While China remains the world's largest automotive market, the greatest growth in demand for automobiles will come not from traditional "Tier I" cities such as Beijing and Shanghai, which have implemented license plate restrictions to manage traffic congestion, but rather from smaller but fast-growing cities in the interior of the country, Fleet said.

The number of registered passenger vehicles in Chinese cities with no license plate restrictions is expected to soar to about 23.7 million in 2020, up from 10.8 million in 2010, according to IHS Markit's latest China Provincial Forecast. In contrast, vehicle registrations in restricted cities is expected to fall to 1.6 million in 2019, from a peak of 2.2 million in 2010, Fleet said.

For these buyers, the midsize SUVs such as Ford Territory is a highly popular choice.

According to McKinsey's China auto consumer survey 2017, the midsize SUV segment saw an annual growth rate of 38 percent in China between 2012 and 2016.

Indigenous Chinese automakers in particular have capitalized on this trend, Fleet said. For the first time, Chinese customers will be able to purchase a very competitive Ford in the entry-level, mid-size SUV segment at an affordable price.

"The new Ford Territory shows what can be achieved when two global companies collaborate closely, bringing their respective strengths to meet the needs of a broad spectrum of Chinese consumers," said Qiu Tiangao, chairman of JMC.

The Territory further expands the Ford SUV family lineup, which is composed of Ford EcoSport, Ford Kuga, Ford Edge, Ford Explorer and Ford Everest,

to further meet the diversified needs of Chinese consumers, Flake said.

In the Territory, Ford's design team delivers a fresh exterior appearance, instilling Ford design DNA that appeals to Chinese consumers. The front of the vehicle features the signature Ford mesh grille, flanked by LED lights. Outboard graphic features house the uniquely shaped LED daytime running lamp and turn indicators, emphasizing the vehicle's solid stance.

The rear of the vehicle is highlighted by strong horizontal lines, emphasizing the width and stance. A lower skid plate integrates outboard bright graphic elements and serves as a reminder of the Territory's SUV capability. The accent finishes on the grille and contemporary Ford color palette offer contrast, depth and a richness to the vehicle.

Ford's engineering DNA is evident in a Ford-tuned suspension, which is set for exceptional ride comfort and refinement, Fleet said.

The Territory has also been rigorously tested in its ride, handling and NVH (noise, vibration and harshness) levels at Ford's testing centers in Nanjing, China and Melbourne, Australia, to ensure it meets Ford's stringent engineering and quality standards.

Ford Honors Mustang Heritage with a True Hot Rod Car

CONTINUED FROM PAGE 1

modern-day racers, the Ford Performance Parts team continues to build on Cobra Jet's success at the track over five decades," said Cin. "This has inspired generations of Mustang fans to create their own performance machines for the street."

The car is powered by a special 5.2-liter version of Ford's famed 5.0-liter V8, strengthened and outfitted with a 3.0-liter Whipple supercharger.

The engine sends power to the ground through a 9-inch solid rear axle, two-way coil-over shocks with adjustable ride height and a low-drag disc brake system from Strange Engineering as well as a four-link rear suspension with antiroll and panhard bars, said Dave Born, Ford Performance engineering manager. stown for the addition of performance equipment.

"The cars can be ordered right now at your local Ford dealership through the Ford Performance catalog," Leaver said. "This is an amazing car. The trap speed at the end of a quarter-mile is in the 150-mph range. People must remember, this car has no VIN. It is not street-legal."

David Baltazar, spokesman in the Ford Performance Division, said the completed Cobra Jet is meant to be a showcase for Ford Performance parts.

"While the Cobra Jet is a unique variance of the Mustang,





The interior of the Territory was designed to meet Chinese tastes.

Mustang in NASCAR's top Cup Series.

The 2019 Mustang for NASCAR competition was first unveiled Aug. 9 at the Ford Motor Company World Headquarters in Dearborn.

Stewart-Haas Racing co-owner Tony Stewart drove a Mustang onto a stage for the reveal with all 13 Ford Cup drivers were in attendance.

The Mustang has raced in the second-tier Xfinity Series since 2011.

It will compete against Chevrolet's Camaro and the Toyota Camry. The Camaro is in its first season of competition.

The Mustang debuted in 1964 and is Ford's longest running model.

The 10 millionth Mustang rolled off the production line in early August.

The Mustang was first entered in a race in 1964 when it won the Tour de France Automobile, a 4,000 mile, 10-day rally. Additional factory-provided racing performance upgrades include an NHRA-certified safety roll cage, FIA-certified seats and anniversary-badged racing wheels.

The new Mustang Cobra Jet is available in either Race Red or Oxford White and can be outfitted with exclusive 50th Anniversary graphics and badging. Customers can order now at an MSRP of \$130,000. Production is limited to 68 cars, in honor of Cobra Jet's 1968 debut, Cadiz said.

The vehicles will be built off standard Mustang platforms at the company's Flat Rock Assembly plant, said Ford spokesman Matt Leaver. Once the basic work is done, the vehicles will be taken to Watson Racing in Brownpeople can upgrade their standard Mustang using the same parts we used to build the Cobra Jet."

Cin said the Cobra Jet is designed to be capable of racing in NHRA drag races right out of the showroom.

"Because of NHRA rules, we have put a passenger seat in the Cobra Jet," Cin said. "But make no mistake, this a drag racer. We have provided customers with very few options. You can pick the color – red or white. You can order extra tires or an extra engine, but that's about it."

Cin said that what he likes about the 2018 Cobra Jet is that it honors the Mustang's history.

"It's really cool that over the years about 300 Cobra Jets have been built," Cin said. "But it's even more cool to have been able to have worked on the 50th anniversary edition.

"I myself am not a racer, but it really is exciting when you hear the noise of the new Cobra Jet. It The Ford Cobra Jet is a drag racing car now available in dealerships.

hits you right down to your spine."

The introduction of the Cobra jet was the kickoff of Ford's Woodward Dream Cruise celebration, Cadiz said. The company put on display the actual Bullit

Mustang used in the movie as well as the 10-millionth Mustang built.

A special Mustang parade was set to travel on Woodward all day on Aug. 18, the day of the actual Dream Cruise.

Kroger Starts AV Deliveries

SCOTTSDALE, Ariz. (AP) – Kroger will begin testing grocery deliveries using driverless cars outside of Phoenix.

The biggest U.S. grocery chain said the project began on Aug. 16 in Scottsdale at a Fry's supermarket, which is owned by the Kroger chain.

Same-day or next-day delivery orders can be made online or via a mobile app.

The Toyota Prius was chosen as the vehicle used for the deliveries, manned by a human to

monitor the car's performance.

During phase two in the fall, deliveries will be made by a completely autonomous vehicle, called an R1, with no human aboard.

Kroger Co., based in Cincinnati, is partnering with Nuro, a Silicon Valley startup founded by two engineers who worked on autonomous vehicles at Google.

That Google project is called Waymo, which started its own pilot program last month at Walmart stores in Phoenix.



Auburn Hills Company Shows Profits Up

Unique Fabricating, Inc. of Auburn Hills, which engineers and manufactures multi-material foam, rubber, and plastic components utilized in noise, vibration and harshness management and air/water sealing applications for the automotive and industrial appliance market, today announced its financial results for the second quarter ended July 1, 2018.

Second Quarter 2018 Financial Highlights:

• Revenue of \$45.7 million in the second quarter of 2018, up 2.8 percent compared to \$44.5 million in the second quarter of 2017.

• Net income of \$1.8 million, or \$0.18 per basic and diluted share in the second quarter of 2018, compared to \$1.7 million, or \$0.17 per basic and diluted share in the second quarter of 2017.

• Adjusted EBITDA of \$5.6 million in the second quarter of 2018, including \$1.7 million for non-cash charges specifically related to depreciation and amortization and non-cash stock awards, compared to \$5.0 million in the second quarter of 2017, including \$1.6 million for non-cash charges specifically related to depreciation and amortization and non-cash stock awards.

• Adjusted diluted earnings per share of \$0.23 in the second quarter of 2018 versus \$0.19 in the second quarter of 2017.

• Declared a quarterly cash dividend of \$0.15 per share payable on September 7, 2018 for stockholders of record as of Aug. 31, 2018.

Our second quarter financial results reflect solid execution and operational performance, demonstrating that we are on track to achieve our full-year guidance, assuming current full year industry production fore-casts are met," commented John Weinhardt, chief executive officer. "Our sales for the second quarter were adversely affected by a fire at a key metal component supplier that, in turn, caused substantial production disruptions to Ford's light truck production, as well as that of General Motors, FCA, Mercedes and BMW. The affected vehicle assembly plants are now reportedly fully operational, and they are expected to make up the lost volume during the second half of the year. In addition, production schedules have been recalibrated following adjustments made by auto manufacturers to reduce inventory levels in prior quarters, and our new program launches are progressing on budget and according to schedule."



Audi Working On 5G Tech For Factory Use

Automobile manufacturer Audi, and 5G innovation leader, Ericsson are announcing plans to pioneer the use of 5G technology for automotive production.

At Audi's headquarters in Ingolstadt, Germany, the two companies on Aug. 2 agreed on a range of activities exploring the potential of 5G as a future-proof communication technology that can meet the high demands of automotive production.

Audi and Ericsson have signed a Memorandum of Understanding (MoU) and in the coming months, experts from both companies will run field tests in a technical center of the "Audi Production Lab" in Gaimersheim, Germany.

Audi and Ericsson are exploring whether 5G can be used in other Audi Group factories.