Tech Center News.

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'Design on Woodward' Celebrates Classic Autos

by Jim Stickford

The folks at GM's Design Division got to enjoy seeing their fellow employees' own classic cars at the 2019 Design on Woodward event.

The annual event is always held a couple of days before the Woodward Dream Cruise, and starts with a parade of classic cars that begins at the Tech Center and goes to the area of 13 Mile and Woodward. The classic cars are owned by people in GM's Design Division.

The gathering is a celebration of great automotive design, said Dave Lepore, senior supervisor at Design Fabrication at the Tech Center in Warren.

Lepore has been in charge of putting on the event, which had its 10th anniversary on Aug. 14.

"I got volunteered to be in charge," Lepore said. "That was 11 years ago. We have always had the event in the neighborhood of 13 Mile and Woodward. For the first seven shows, we were in a giant parking lot at a shopping center by Beaumont Hospital at the corner of 13 Mile and Woodward. But this is the third years we've been at Memorial Park, just off 13 Mile and Woodward. The hospital wanted to expand and took over the entire shopping complex, parking

lot and all."

But the move has turned out to be a good one for Design on Woodward, Lepore said. The park has plenty of space for cars and they don't have to worry about getting in the way of shoppers.

Lepore credited the escort they get from Warren police for making the parade a smooth experience for all.

"We drive down 13 Mile and go to the park," Lepore said. "The Warren police department escort makes it so that even with construction on the streets, we were able to get into the park quickly. It only took seven-and-a-half minutes to get all the vehicles into the park from the time the first one entered to the last. That's important because we don't want to tie up traffic, but we also don't want to have cause any accidents rushing into the park. So thanks Warren police. You guys are great."

Lepore said they started planning the 2019 Design on Woodward Car Show about three months ago. He expects to reserve space at the park for the 2020 show before the end of August.

Ed Jones, a project leader in the Fabrication Department, said that a lot of guys who put their cars on display at Design on



Every year GM Design employees gather and have their own car show just before the Woodward Dream Cruise.

Woodward also enter them into the actual Dream Cruise.

"This presents us with another chance to show off our cars," Jones said. "I have a 1965 Corvair that I love. But I have it in the shop this year, so it's not going into any show. I got it because my mom had one when I was growing up."

Kathy Englehart, a project manager in the GM Design Academy, said the Design car show is paid for by the sale of shirts. The graphic artists in the Design Department come up with four tshirt designs and one garage shirt design. Every year, they



CONTINUED ON PAGE 3 Adam Bernard with his 1972 Austin Mini.



This Ford GT was just one of several cars Ford displayed for cruisers.

Ford Honors Detroit's Car History at Dream Cruise

by Jim Stickford

range of vehicles for drivers. We

Dodge Muscle Fans Burn Rubber in Pontiac

Street racing returned to Pontiac – and this time it was legal.

FCA and MotorTrend held their annual "Roadkill Nights Powered by Dodge" street races on Woodward in Pontiac on Aug. 9 and Aug. 10.

Passion for performance continues to grow as MotorTrend Group's "Roadkill Nights Powered by Dodge" had an "extra night of high-horsepower fun and a record" number of attendees, said FCA spokeswoman Claire Carroll. This year, more than 47,000 enthusiasts from around the country watched and participated in street-legal racing on historic Woodward Avenue.

"When we first introduced 'Roadkill Nights Powered by Dodge' five years ago as a pop-up car show and drag race, we never imagined it would grow to nearly 50,000 performance enthusiasts over two days," said Tim Kuniskis, global head of Alfa

Romeo and head of Passenger Cars – Dodge, SRT, Chrysler and Fiat, FCA – North America. "The positive reaction from our fans and continued growth of this one-of-a-kind event fuels our passion to keep delivering products and marketing for performance enthusiasts."

In addition to cash prizes for the race winners and fastest Dodge cars on the drag strip, the fifth annual car festival gave attendees the chance to get in the passenger seat, Carroll said.

They were able to take an exhilarating thrill or drift ride in the 707-horsepower Dodge Charger SRT Hellcat and the 717-horsepower Dodge Challenger SRT Hellcat, as well as thrill rides in the Durango SRT Pursuit "Speed Trap" concept. They could also race for the best quarter-mile times in the Challenger SRT Demon simulators. More than 6,800 people experienced these Dodge//SRT vehicles firsthand over the span of the two-day event.

The car festival also included a chance to check out more than 300 custom and classic cars in a Show 'n' Shine and watch freestyle motocross dyno, flamethrowers and wheelstander exhibitions.

"Last year's Roadkill Nights was going to be hard to beat, but adding an extra event day this year really brought out a whole new level of turnout and excitement for car enthusiasts," said Michael Deer, MotorTrend Group Automotive Events senior director. "We appreciate the support from fans in the Pontiac community and around the country who joined us to experience all the drag racing and thrill rides that Roadkill Nights had to offer."

More than 120 street-legal cars hit the specially prepped 1/8-mile drag strip on Woodward Avenue between Rapid Street and South

As a presenting sponsor of the 2019 Woodward Dream Cruise Ford was proud to set up displays up and down Woodward.

Ford spokesman Jiyan Cadiz said that Ford set up several different stations along Woodward for people to visit. One was a Family Fun Zone, Mustang Alley and a driving course. As people drove up and down Woodward through different cities, they had the chance to stop at these different Ford displays. One such display was the racing clubhouse located at 28028 Woodward Avenue.

There Ford had vehicles such as the 2019 GT supercar as well as Mustangs and even race cars from Team Mustang on display.

"One of the things I like about the Dream Cruise is that it celebrates all sorts of automobiles, not just the elite and expensive cars," Cadiz said. "And Ford has a wide have the GT and the Shelby Mustang. But we also offer cars for the ordinary driver. So having spots for people to visit along Woodward really lets us show the public what Ford can offer."

Cadiz said that part of the fun of the Dream Cruise is being able to drive some great Fords along Woodward. He had never driven a GT before the week of the 2019 Dream Cruise.

"The first time I cruised down Woodward in the GT was great," Cadiz said. "This is a vehicle that stands out in a crowd. Just seeing the reactions of people on the street when the saw the car was gratifying. It has a dual clutch, so I didn't have to drive a stick. Nothing cooler."

And because the GT is so low to the ground, Cadiz was able to see all the classics on Woodward **CONTINUED ON PAGE 2**



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PAGE 2 Contestants got to drag race on Woodward Avenue at FCA's Roadkill Nights Powered by Dodge celebration.

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31201 Chicago Road South Warren, Michigan 48093

586-939-6800

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MCC Honored For STEM, Diversity Tech Programs

Macomb Community College's Center for Advanced Automotive Technology (CAAT) received a 2019 Inspiring Programs in STEM Award from *INSIGHT Into Diversity* magazine, a higher education diversity and inclusion publication.

The award honors institutions such as Macomb Community College that encourage those from underrepresented groups to enter the fields of science, technology, engineering and mathematics (STEM).

CAAT and 49 other institutions that are receiving this award are featured in the September 2019 issue of the magazine, said Sean Patrick, manager of Media Relations at Macomb Community College.

"CAAT is dedicated to making sure that our region's automotive industry has the education, training and talent to support its continued leadership in the global marketplace," said Don Hutchison, dean, Engineering and Advanced Technology, Macomb Community College.

"Exposing young people from all walks of life to the opportunities in STEM careers is key to building a diverse, future workforce that continues to spur innovation."

Fans of Dodge Muscle Cars Get to Burn Rubber in Pontiac

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Boulevard to compete in highpowered drag racing for a cash purse totaling \$30,000. The quickest Dodge cars in both the small and large tire categories also took home \$5,000 each.

Quickest Dodge Winners – James Pranis, Pennsylvania: 1968 Dodge Charger (Big Tire); Peter Bokedon, Michigan: 1972 Dodge Dart (Small Tire).

Big Tire Winner – Lil Jimmer Kline, Michigan: 1966 Pontiac GTO. – Small Tire Winner Alen Danial, Michigan: 1979 Chevrolet Malibu.

In addition to the street-legal drag racing, celebrities, local sheriffs and NHRA racers also hit the drag strip on Woodward Avenue this weekend.

The team of Leah Pritchett and David Freiburger won the celebrity showdown challenge, with a \$10,000 prize purse donated to United Way. In total, \$21,210 was donated to United Way for Southeastern Michigan through the celebrity showdown challenge, charity auction and raffle tickets.

Macomb County Sheriff Anthony Wickersham defeated Oakland County Sheriff Michael Bouchard in the 'Sheriff Showdown,' an old-school grudge match on Woodward Avenue on Saturday, where they each drove a 2019 Dodge Challenger SRT Hellcat Redeye with respective County decals.

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

On Aug. 9 and Aug. 10, the Mopar Career Automotive Program (CAP) public booth spread awareness of the program, which is designed to develop the most highly skilled service technicians in the auto industry.

Mopar CAP hosted 20 students and 20 metro-Detroit area dealers to network for dealership placement after the completion of the program, Carroll said. Approximately 1,000 interested



There was plenty for families to see at FCA's annual "Roadkill Nights" event held before the Dream Cruise.

Ford Celebrates Woodward Dream Cruise

CONTINUED FROM PAGE 1

see all the classics on Woodward from a different point of view.

"Being low actually allowed me to see the cars from an incredible perspective," Cadiz said. "This is especially true in the era of the SUV, when drivers are seated so high. When we put the GT on display so that people on Woodward could see it, the reactions of visitors was exciting."

Ford, besides putting the GT and Mustangs on display at clubhouse, also had new race cars.

"These are new cars that will race for Team Mustang in the upcoming season," Cadiz said. "Ford has always been involved in racing. We are in NASCAR, Funny Car, just a whole bunch of different competitions. These new cars will race in the Xfinity League. That's something to look forward to in the upcoming racing season."



These Mustangs had a up-close view of the Woodward Dream Cruise.

As part of the celebration of the Dream Cruise, Ford had Ford expects as many as 1,000 Mustangs lined up for nearly a mile in the area of 9 Mile and Woodward Avenue, all day, on Saturday, Aug. 17. On Au Family F in Royal also met area of 1 Aug. 17.

On Aug. 17, Ford also set up its Family Fun Zone in Pioneer Park in Royal Oak. The Bronco Club also met at Memorial Park in the area of 13 Mile and Woodward on Aug. 17.



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GM's 'Design on Woodward' Event Celebrates Car History

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make up a total 750 shirts and then sell them, usually for \$10. This pays for all the car show expenses, such as a disc jockey and renting space at the park.

"People really love bringing their own, private classic cars to this show," Englehart said. "We are all working for GM's Design Department, so it's very interesting to see what examples of automotive design people own in their private lives. They're not all GM vehicles."

Tom Howard is a clay sculptor in the Design Department. This he brought his 1970 Chevelle SS to Design on Woodward. For him, the car is something of a family affair.

"I've owned this car for 15 years," Howard said. "I just put a new engine in it. I spent the winter rebuilding the engine in my garage in Troy. It's a big block 496 cubic inch engine. I got the parts from around. My wife Maggie is OK with my hobby, but my two kids love it. Tommy is eight and Lucy is five. They come out and 'help me' work on the engine. When they do, I know not a lot work will get done, but they love seeing me work, and that's worth the time."

Adam Bernard, assistant director of Global Planning, brought an unusual vehicle to the show a 1972 Austin Mini.

"I have a 1963 Buick Riviera as well, but I've had the Mini for 21 years," Bernard said. "When people ask me why, I tell them - it's because this is a classic example of automotive design and automotive innovation. It's one of the first modern front-wheel drive cars, of which GM makes many. Why wouldn't I have one?

Another Design employee -Kevin Malak, a production digital sculptor - also brought an unusual car to the show. In Malak's case it was a 1974 Honda Civic.

The vehicle only weighs about 1,400 pounds and had a whopping 58 horsepower when it came out of the factory.

"I've had this car for two-and-ahalf years," Malak said. "I bought if from my brother Craig, who lives in California. It was willed to him by a neighbor who died in his 80s. He owned the car for years. It has 63,000 miles on it. It might seem strange, buy my buddies at GM love this car because it's such a rare vehicle. 1974 was the start of the oil crisis and that's when these cars started selling. But that was 45 years



Jamie Greco with his 1966 Pontiac GTO.



Chief Designer Michael Simcoe and Kathy Englehart show off t-shirts.

Dan Moutlon with his 1970 Ford Mach 1.



Kevin Malak with his 1974 Honda Civic.

Moulton said. "I first rode in the car when I was 10 years old. The second time I rode in it, I was the owner. I've had it for seven years, and it's all totally orignal parts. Original motor, original paint, original interior. Grandpa never drove it in the winter or in the rain. It has 73,000 original miles on it.

Jamie Greco, a Sculpting senior manager for Chevrolet, brought his 1966 Pontiac GTO to the show. It has a 6.5 liter engine and Greco has owned since 2008.

"My father Joe had a yellow version of this car when I was young," Greco said. "Growing up, all I heard was him talk about his yellow GTO. It made me want to work for Pontiac, and I did, starting in 1999."

Greco said he spent a lot of time looking for this car, and finally found it in Grass Lake.

"I haven't driven this car since the 2018 Design on Woodward show," Greco said. "This year's



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ago. This car is a survivor, and show was a good reason for me people appreciate that fact."

In addition to being able to see classic cars, people who attended the show got to hear music provided by disc jockey Anthony Thomas. He said he's been a DJ for 15 years and thanks to technology, it's not the back-breaking work it used to be.

When I started I had to carry all the equipment as well as crates and crates of records, CDs and casette tapes and eight-track tapes," Thomas said. "Now it's all MP3s. And thanks to what's available through the Internet, the music available is endless."

But not all the classic cars at the show were rare small foreign cars. Some were just pure Detroit muscle, the type that GM and Ford made so well in the 1960s.

Dan Moulton worked for GM for 38 years, retiring in 2018. He brought his 1970 Mustang Mach 1 to the show

"This car was originally owned by my grandfather, Chet Jacobs,"

to take it on the road. You always think during the winter that when the weather gets nice, you'll take your car out. But it never seems to work out that way.

Oakland County, DIA Partner Up

ROYAL OAK, Mich. (AP) - The Detroit Institute of Arts and Oakland Community College are partnering to help expand education, events and arts offerings. DIA Chairman Gene Gargaro

and Oakland Community College Chancellor Peter Provenzano recently signed a memorandum of understanding.

Provenzano says the partnership "brings new resources to our campuses for arts-focused initiatives and activities, including a unique training program to improve students' critical thinking skills."

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FCA Breaks Ground on Mack Avenue Paint Shop Facility

by Jim Stickford

The first column was put into the ground for the new paint shop at FCA's Mack Assembly facility.

The paint shop is just one of three buildings being built and refurbished at the company's Mack Engine site in Detroit.

In addition to building a new paint shop, FCA is completely renovating two buildings. One will be the site's body shop and the other will be Mack Assembly, which will make the new Jeep three-row large SUV.

The Mack facility is the nextdoor-neighbor of FCA's Jefferson North Assembly, which makes the Jeep Grand Cherokee.

only a couple of months after FCA got approval for its plans from the Detroit City Council for the company's Mack site back in March.

The plan calls for moving the company's engine production from the Mack site to its Dundee facility. And in its place will be three buildings - a body building, a paint building and an assembly building

Construction at the site began in earnest in June. FCA is remodeling two buildings to have efficient body and assembly facilities. The first of a total of 299 columns for the new paint building was driven into the ground on Aug. 13.

FCA spokeswoman Jodi Tinson said that FCA expects to have the entire facility up and producing vehicles before the end of 2020.

Eric Goedtel, senior project manager Building Group, said once all the work is done at the Mack site, there will be, in addition to the new paint shop, a new test track. All three buildings will be connected by tressels that will allow for the efficient transportation of parts from building to building.

There will also be a new parking lot with up to 2,600 spots for employees and overall FCA is overseeing 171 acres of construction at the Mack site, Goedtel

Auto Sales Still Declining in Chinese Market

BEIJING (AP) - China's auto sales sank again in July, extending a yearlong contraction in the industry's biggest global market.

Sales of sedans, SUVs and minivans declined 3.9 percent from a year earlier to 1.5 million, according to an industry group, the China Association of Automobile Manufacturers.

Sales of EVs and hybrids suffered a rare decline in sales that had risen steadily this year. Purchases fell 4.7 percent from a



The first of 299 columns being laid at FCA's paint shop building.

Work at the Mack site began said. John Powell, senor manager - Paint Facilities for FCA, said that he's been building paint shops for Chrysler, now FCA, his whole career. Overall, the paint shop will be slightly smaller than Jefferson North at 790,500 square feet. Its footprint will be over the old stamping plant at the Mack site

> And because the paint facility will be using the latest in manufacturing technology, it will be a much cleaner facility, environmentally, Powell said.

> Greg Rose, director of Environmental Health and Safety at FCA, said that Mack Assembly building should have the lowest emissions of any full-assembly plant in the country.

> "We're very proud of that fact," Rose said. "And water conservation is also very important to us. Assembly plants use a lot of water, and it's expensive. So we are working to make sure that we can reuse process water."

The plant is being designed to be environmentally sustainable, Rose said. Company protocols call for reducing waste as much as possible, even to the point of being a landfill-free facility.

Rose said that rainwater will go to retention ponds, giving FCA the option of using that water in the production process.

And FCA is working with local schools and residents to educate them on just what the company is doing on the property.

The company is also putting up a sound wall along St. Jean Street. This will help keep the neighborhood quiet, Rose said. And the side of the wall facing the street will be designed to be pleasant to look at.

"We want this wall to be a plus for the neighborhood," Rose said. "We want the residents' side of the wall to have esthetic value. Overall emissions from the plant should be at least 50 percent lower than the North Jefferson plant. That makes sense because it's using equipment and designs that are 30 years newer."

Tinson said the history of the Mack site goes back more than 100 years.

The first factory was built at the site in 1916 by the Michigan



Construction workers prepare the new Mack assembly building.

Stamping Company. In 1920 Michigan Stamping was sold to Briggs Manufacturing.

In 1953 Chrysler purchased 12 facilities from Briggs, including the Mack site. Chrysler ran the Mack site for the next 26 years. But it was closed down in 1979.

In 1982, the city of Detroit bought the property. In 1992 Chrysler began using the land again, this time to make the Dodge Viper sports car. In 1995 Viper production moved to the company's Conner Avenue Assembly Plant.

In 1998, Chrysler began building the 4.7L V8 engine at the Mack site. In 1999 the Mack II building was constructed at the site to make the 3.7L V6 engine, and in 2013 Mack I started building the Pentastar V6 engine.

Overall, FCA will be spending about \$1.6 billion at the Mack site. The total number of new hires is estimated to be around 3.850.

Total pavement at the site will be 3,005,000 square feet, which is equal to about 53 football fields. Total underground piping at the site will be 30,100 linear feet. Right now FCA has completed laying 7,691 linear feet of piping.

The BIW Building, also known at the Body Shop, will be 646,600 square feet when completed. There will be a total of 1,525 light fixtures installed and there will be 10 new truck docks.

The General Assembly Building will be 1,053,000 square feet. Already 95 precent of existing engine manufacturing equipment has been relocated to the Dundee facility. There will be 3,150 lights installed and 38 new truck docks.

The Paint Shop will be 790,500 square feet when completed. The first floor or O Level will be 411,000 square feet, while the second floor or 32 Level will be 275,500 square feet. The third floor or Penthouse, will be 94,500 square feet.

Goedtel said that total construction man hours to date at the site is 239,313. There are two shifts at work. The first shift employs 590 people, and the second shift 85. They even worked on the Fouth of July.





year ago to 80,000 units despite efforts to promote the tech.

Chinese consumer demand has been hurt by unease over Beijing's tariff war with President Trump and weakening Chinese economic growth.

The overall auto market last expanded in June 2018 and has recorded declines every month since, adding to pressure on Beijing to shore up growth.

That is squeezing cash flow for global and Chinese automakers that are spending heavily to meet government targets to sell electric vehicles. The government is phasing out subsidies that supported sales and shifting the financial burden to manufacturers, which raises total cost.

Auto sales for the seven months through July were off 12.8 percent from the same period of 2018 at 11.6 million vehicles, CAAM said in its data released Aug. 13. SUV sales fell 11.1 percent and sedan sales were off 13.4 percent.



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Historic Futureliner Visits GM Tech Center

The recent Tech Center Employee Car Show celebrated vehicles from GM's long history.

But not the vehicles on display were meant to be owned and driven by members of the public.

One of the vehicles there was a bus that was a part of GM's "Parade of Progress" road show.

According to information from the GM Heritage Center, the General Motors "Parade of Progress" was a large, multifaceted road show that began touring across America in 1936. It represented an investment of millions of dollars and thousands of man hours.

To a country reeling from first depression and then war, it brought the future to hundreds of small towns and rural communities. Its stage show and animated exhibits presented a dramatic picture of the cavalcade of American progress, telling how scientific research and engineering helped improve lives. A jet engine, radar, diesel-electric power, television, an electric ping-pong game with stereo sound, and a microwave oven were shown to amazed audiences through the vears

The Parade was staged by a group of 57 men, most of them young, single, and recent college graduates. They met the public, lectured at the exhibits, and ran the stage show. They also drove the vehicles, put the Aerodome tent up, tore it down, and did anything necessary to make the big show run smoothly.

The Parade of Progress stemmed from an idea by Charles Kettering, famed inventor and GM Research Director, who wanted to bring the story of industry and research to people throughout the country.

It was originally built around eight streamlined vans, accompanied by all of GM's latest new display that covers 50 years as



This Futureliner at the GM Employee Car Show came from Indiana.

cars. The original Parade started touring the country in 1936.

The second Parade was launched from the 1939 New York World's Fair and featured 12 purpose-built Futurliners, a giant 152-foot by 80-foot silver exoskeleton Aerodome tent, 26 major exhibits and over 44 vehicles.

With the outbreak World war II the tour ended, and during its touring time, the show had visited 251 towns and small cities in North America, reaching more than 12 million people. The idea was revived in again 1953, but in 1956 the third and final Parade was cancelled.

The Futurliners were specially built to carry animated exhibits. On the show lot, their 16-foot side panels folded out to form marguees and stage platforms. Lighting towers pushed up from their tops and they had their own public address systems. The GM Heritage Center has the only surviving Parade of Progress Futureliner display: "Our American Crossroads". It is a 10minute mechanically animated small town America is transformed by the automobile.

The Futureliner on display at the Tech Center Show was Futureliner No. 10, and it is owned by the Auto & Truck Museum in Auburn, Ind.

According to the museum Web site, it is the 1953 General Motors Futureliner model and was donated to museum by Joe Bortz, of the Bortz Auto Collection in Illinois.

The Web site further states that the National Auto & Truck Museum's mission is to enrich lives and educate all generations through the acquisition and preservation of America's automobile and truck history with buildings, vehicles, artifacts and literature.

Auburn, Indiana was the home to many horseless carriage and motorcar manufacturing companies. It is here where E. L. Cord chose to expand an automotive empire with Auburn and Cord automobile factories.

The museum is located on the grounds of the remaining production buildings of the Auburn Automobile Company. To learn more, go to natmus.org/.

New Ford F-Series Engine Has Heavy Duty Power

Ford has just the truck for peo- Duty's lineup, along with the upple who need a heavy-duty vehicle that can do heavy-duty towing.

Ford F-Series is once again raising the bar for capability with its new 7.3-liter V8 gasoline engine, said Ford spokeswoman Dawn McKenzie. The 7.3-liter engine in Super Duty pickup cranks out best-in-class gas V8 output of 430 horsepower at 5,500 rpm and best-in-class torque of 475 ft.-lb. at 4,000 rpm.

No other competitor provides such a powerful and advanced gasoline engine in such a broad range of offerings - from Class 2 Super Duty pickups through Class 7 commercial trucks.

"The 7.3-liter is designed for maximum durability in the harshest environments given that our customers live and work in these conditions every day," said Joel Beltramo, Ford manager for gas V8 engines.

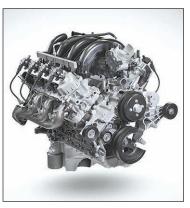
"This engine has the largest displacement in its class and is designed to provide benefits in key areas like power, durability, ease of maintenance and total operating costs."

Based on decades of commercial engine experience, the 7.3liter V8 delivers class-leading performance in a compact package. The 7.3-liter V8 features an overhead valve architecture that generates power low in the rev range to help get heavier loads moving sooner and with greater confidence. It also features a variabledisplacement oil pump, extra-large main bearings, forged steel crankshaft for durability, and piston cooling jets to help manage temperatures under heavy load.

The new 7.3-liter will be available first in Super Duty F-250 and F-350 pickup models. It joins the 6.2-liter V8 gas engine in Super graded third-generation 6.7-liter Power Stroke diesel V8. Additional power and capability numbers, including Super Duty towing and payload ratings as well as power numbers for the upgraded 6.7-liter Power Stroke diesel will be announced later this year.

A dyno-certified version of the 7.3-liter V8 producing 350 horsepower at 3,900 rpm and 468 lb.-ft. of torque at 3,900 rpm will be standard on F-450 chassis cab, F-550, the new F-600, F-650 and F-750 Medium Duty trucks, and F-53 and F-59 stripped chassis models, said Beltramo. The upgraded E-Series will also feature the 7.3-liter V8. An optional calibration intended to help customers reduce their fuel consumption will also be offered; more information will be made available at a later date.

For F-250 through F-600 models the 7.3-liter engine is paired with the new Ford-designed and Fordbuilt 10-speed heavy-duty TorqShift automatic transmission. All other commercial models retain the TorqShift heavy-duty 6speed automatic transmission.



Ford 7.3L V8 Gasoline Engine

Ford Extends Warranties **On Focus Transmissions**

In a statement to the public Ford officials said that "based on internal and external data, Focus and Fiesta vehicles with automatic transmissions built since the second half of 2015 - and earlier models that have received component and software updates perform well and have competitive levels of satisfaction.

"Ford understands and regrets that many customers have been inconvenienced and frustrated by the performance of the DPS6 transmission. Earning and keeping the trust of customers is vital to everything we do. That is why Ford and its dealers have gone to great lengths to improve the performance of the transmission.

'Today, as part of these continuing efforts, Ford is taking the nal, in the U.S.) and provide them initiative to announce two additional customer-satisfaction actions. First, we are extending the warranty on clutch and related hardware in certain 2014-2016 model-year vehicles, and will reimburse customers for repairs hanced warning if a transmission that now would have been covered. Second, we are providing the small remaining population of owners who have not already done so an additional chance to get an important software update. "While these vehicles always were and remain safe to drive, we regret the inconvenience our customers have experienced," said Dave Filipe, vice president, Powertrain Engineering, Ford.

year Fiesta vehicles (built from July 4, 2013, to Oct. 15, 2014).

- Ford will reimburse customers in this new group receiving extended warranties who have paid for clutch repairs out of pocket.
- The action means warranty coverage for these vehicles is the same that has been in place since July 2014 for earlier Focus and Fiesta models.
- Ford took this initiative based on the latest in ongoing analysis of customer-satisfaction and quality data.

Ford will also reach out again to a small percentage of remaining affected customers (165,000 owners, 16 percent of the origi-



Key DPS6 actions include:

- Extend clutch warranties for even more customers from five years/60,000 miles to seven years/100,000.
- This covers 2014 through 2016 model-year Focus (built from July 4, 2013, to Nov. 5, 2015) and 2014-1015 model-

another opportunity to get an important free software update. Eighty-four percent of affected owners have already received the update.

The update provides an encontrol module begins to fail. Where necessary, Ford will replace modules for this group of customers free of charge for up to six months even if the 10year/150,000-mile warranty has expired.

With the actions announced today, all Focus and Fiesta vehicles on the road will have the latest component and software updates for the DPS6 transmission, which perform well and have competitive levels of customer satisfaction.

And they have been provided with an unsurpassed, extended transmission warranties - seven years/100,000 miles for clutches and related hardware, and 10 years/150,000 miles for the transmission control module.

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Slowdown in German Auto **Industry Affects Economy**

Germany's economy shrank by 0.1 percent in the second quarter as global trade conflicts and troubles in the auto industry held back the largest member of the euro currency union.

The weak performance darkened prospects for the entire eurozone, where the European Central Bank is poised to add more monetary stimulus at its next meeting. It also raised the possibility that Germany could enter a technical recession by posting another consecutive quarter of falling output.

The state statistics agency Destatis said Aug. 14 that falling exports held back output compared to the first quarter, while demand from consumers and government spending at home supported the economy. In comparison to the same quarter a year ago, the economy grew 0.4 percent.

Germany's economy is facing headwinds as its auto industry, a key employer and pillar of growth, faces challenges adjusting to tougher emissions standards in Europe and China and to technological change. Uncertainty over the terms of Britain's planned exit from the EU has also weighed on confidence more generally - British Prime Minister Boris Johnson has said his country will leave the EU on Oct. 31, with or without a divorce deal to smooth the path to the new trading relationship.

Analyst Carsten Brzeski at ING said trade conflicts and the struggling automotive sector were key reasons why output had fallen. The last time the German economy contracted on a quarterly basis was the third quarter last year when the automotive sector was dealing with bottlenecks getting cars certified under new emissions standards.

"Increased uncertainty, rather than direct effects from trade

FRANKFURT, Germany (AP) - conflicts, has dented sentiment and hence economic activity," Brzeski wrote in an emailed research note.

U.S. President Donald Trump has imposed new tariffs on Chinese goods while seeking a broader trade agreement and has indicated he may impose import tariffs on autos that would hit European manufacturers. Uncertainty over the outcome of those talks and what the future trading regime will look like among the U.S., China and Europe has weighed on business optimism, deterring business spending and investment.

That comes on top of structural change in the auto industry, where tightening emissions regulations in Europe and China and digital technologies are pushing automakers to make heavy investments in battery-powered and smartphone-based cars services, with uncertain payoff.

Germany continues to enjoy low unemployment of 3.1 but lower exports have raised concerns that weakening external demand will spread to domestic consumers and businesses. Germany runs a large trade and investment surplus with the rest of the world, which leaves it more vulnerable to a slowdown in global trade.

Slowing growth has also increased debate over the German government's practice of running budget surpluses. The International Monetary Fund, the U.S. Treasury Department and some economists at home have said Germany should cut tax burdens and spend more on infrastructure to boost domestic demand. That could make the country less dependent on exports.

On Aug. 13, Chancellor Angela Merkel said she sees no need for a stimulus package "so far" but added that "we will react according to the situation," the dpa news agency reported.

Spin, part of Ford Smart Mobility LLC, has plans to launch its newest electric scooter model to support growth and demand into new and existing markets.

Starting this month, Spin's latest generation scooters will hit the streets of Portland, Los Angeles, Denver, Washington D.C., Kansas City, Memphis, and Minneapolis, with more cities across the U.S. to follow, said Spin spokeswoman Christine Yeo.

Spin customers will benefit from increased safety, security and reliability when the company launches its latest scooter. Designed to be a sturdier product and provide a safer, smoother, and more comfortable experience, the third edition Spin scooter features:

- Larger frame, strengthened mechanical structure, and a wider and longer platform.
- More intuitive and responsive bike-handle braking system.
- Larger (10-inch) tubeless tires, which provides better shock absorption over some rough terrain and conditions
- Rear drive high efficiency for improved acceleration and uphill performance.
- Custom security screws exclusively developed and manufactured for Spin's scooters to deter tampering and vandalism.
- Significantly extended battery life, enabling each

scooter to ride up to 37.5 miles at full charge.

 Upgraded Spin authentication system that is uniquely

Ford's Spin Expanding E-Scooter Markets

associated with its modules. In June, Spin launched a pilot program to test its latest model of scooters in Baltimore.

Initial testing allowed the company to assess performance, conduct safety checks, and ensure a high product quality. The pilot study also showed promising results for increasing gross profit margin, while decreasing costs associated with theft and vandalism.

"In our testing of the next edition Spin scooter, we have seen a significant increase in utilization and our customers are taking more rides and traveling longer distances," said Co-Founder and Chief Operating Officer Zaizhuang Cheng. "We will continue to support the creation of more durable and robust scooters in order to meet the market demand, and provide our riders with a safe, smooth, affordable, and reliable ride."

The company also revealed a new logo as it rolls out a brand refresh.

"Our redesigned logo draws inspiration from the excitement and joy of riding Spin scooters, and takes a bold yet playful approach to design," said Co-Founder and President Euwyn Poon. "Just as riders are able to adapt, react, and make plans at the spur of the moment, the logomark embodies a feeling of spontaneity and motion."



Spin is making larger, more battery efficient scooters available.

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Lion cubs are just one of the animals seen in the show "Serengeti."

Jeep Sponsors Discovery Broadcast

It's been said by Jeep fans that the brand is at its best when driven in the wild.

So it makes sense that Jeep and the Discovery Channel have gotten together to explore the wilds of Africa.

The Jeep brand presented the first episode of Discovery Channel's family summer event "Serengeti" commercial-free as the series' exclusive presenting sponsor, said FCA spokeswoman Diane Morgan.

The six-episode, weekly onehour mini-series, "Serengeti," had its premiere on Sunday, Aug. 4 at 8 p.m. on the Discovery Channel.

For the rest of the summer, "Serengeti" will be uncovering inspiring journeys through the perspective of the animals in the Serengeti who know the land best, Morgan said.

From pop culture hit-maker Simon Fuller, immersive natural history producer John Downer and narrated by Academy

Award-winning actress Lupita Nyong'o, and in partnership with the BBC, the Discovery Channel and "Serengeti" captures the true drama of the animals' daily lives. Rivals will tear families apart, the young will find their place in the world and the elements will put them all to the test.

Additionally, the Jeep brand is a sponsor of Discovery Channel's sweepstakes, giving someone the chance to win \$20,000 toward their own Serengeti adventure at discovery.com/serengetisweeps.

SERENGETI is made by XIX Entertainment and John Downer Productions and was commissioned for BBC TV by Tom Mc-Donald, Head of Commissioning, Natural History and Specialist Factual.

This series is created and produced by Fuller and directed and produced by Downer. Nancy Daniels and Howard Swartz serve as the executive producers for Discovery Channel, Morgan said.

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PAGE 9

Garza Named Head of GM Mexico, Hernandez Retiring

Changes are taking place at GM's Mexico operations.

Ernesto M. Hernandez, president and managing director, GM de Mexico, has elected to retire after almost 40 years with the company.

GM as a result of this retirement, Francisco Garza, currently vice president, Vehicle Sales, Service and Marketing, GM de Mexico, will succeed Hernandez in leading GM operations in Mexico, Central America and the Caribbean, said GM spokeswoman Kathia Muñoz Peña. Garza's appointment is effective Sept. 1. He will report to Barry Engle, executive vice president and president, the Americas.

Hernandez will remain on as GM advisor and assist in a smooth leadership transition.

Juan Carlos Garcia, currently chief financial officer, GM de Mexico, is named vice president, Vehicle Sales, Service and Marketing, GMM. He will report to Garza.

"Under Ernesto's leadership, GM started a profound transformation in Mexico, a change that is now consolidating our position as the most important and admired automotive company in the country," said Engle. "We greatly appreciate Ernesto's legacy and what he has contributed to GM over his stellar career and almost 40 years of service. As our company focuses on streamlining global operations, I see Francisco and Juan Carlos as the perfect leaders to continue our transformation in Mexico.'

Hernandez started working in General Motors in 1980. Over the years he held a variety of different positions of growing responsibility in Product Engineering, Manufacturing, Planning, Pro-



Francisco Garza

gram Management, Vehicle Sales, and Marketing and Aftersales, both in Mexico and in the United States.

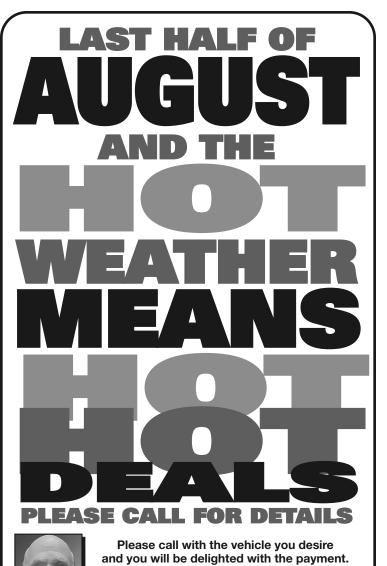
Hernandez was appointed president and managing director of GM de Mexico in 2011, becoming the first Mexican national to hold this position.

Garza joined General Motors de Mexico in August 2011 as vice president, Vehicle Sales, Service and Marketing, assuming responsibility for the development and implementation of go-to-market strategies for Chevrolet, Buick, GMC and Cadillac and for managing and maintaining close relationships with dealers in Mexico, Central America and the Caribbean.

His previous position was managing director of Ally Credit Mexico (currently GM Financial).

Garcia joined GM de Mexico in 2005 and has held various positions in finance, including pricing manager, Financial Planning and Analysis manager, VSSM Controller, and operations director for Vehicle Sales, Service and Marketing.







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Detroit OEMs Do Well in AutoPacific Satisfaction Study

AutoPacifica's 2019 Vehicle Satisfaction list came out last week and the news was good for the Lincoln brand specifically, and Detroit OEMs generally.

The Lincoln Motor Company continued to be recognized for its lineup, achieving the highest luxury brand rating in this year's AutoPacific Vehicle Satisfaction Awards.

Leading the way is Lincoln Navigator, which outscored every other vehicle, said Lincoln spokeswoman Anika Salceda-Wycoco.

Based on survey responses from 50,000 owners of new 2018 and 2019 cars and light trucks, the AutoPacific Vehicle Satisfaction Awards are a key industry benchmark for measuring how satisfied owners are with their new vehicles.

Lincoln winners in this year's survey are:

- Continental: Best-in-Class Luxury Car in Vehicle Satisfaction.
- Continental: Top Car in Vehicle Satisfaction.
- Nautilus: Best-in-Class Luxury Crossover SUV.
- Navigator: Best-in-Class Luxury Sport Utility Vehicle.
- Navigator: Top Truck in Vehicle Satisfaction.
- Navigator: Top Vehicle in Vehicle Satisfaction (outscoring every other vehicle in the research).

Lincoln continues its momentum with the recent launch of Aviator, the brand's first threerow SUV, as well as with the allnew Corsair launching this fall, Salceda-Wycoco said.

AutoPacific editors wrote that "An all-new vehicle and a minor refresh are hits for Lincoln. Last year Lincoln ranked 5th behind luxury brands Genesis, Lexus, Infiniti and Tesla. The all-new Navi-



2020 Lincoln Navigator

gator and updated and renamed Nautilus are top in their segments and the Navigator is the top overall vehicle. Adding to Lincoln's wins in the SUV and Crossover SUV categories, the Lincoln Continental was the top car.'

"In addition to the exceptionally crafted Navigator, Lincoln has made a strong push for customer treatment. It's a hands-on experience that appears tobe working," said AutoPacific president George Peterson about Lincoln's improved performance.

AutoPacifica also liked the new 2019 Ram 1500 pickup truck. It was named the top vehicle in the very popular and very competitive Light Duty Pickup Truck category.

AutoPacific judges said that the "all-new Ram 1500, the first since Ram's spin off as a separate brand, comes in strong with top satisfaction scores in 22 out of 32 attributes, including interior quietness, driver's seat movement, interior styling andpower andacceleration.

"The Ram 1500 is a truly excep-

tional pickup," said Peterson, "but what carries Ram to the top as a brand is high satisfactionin areas that can be problems for other brands, particularly second row seat comfort, interior storage, passenger roominess and user-friendly gauges and controls."

- Other vehicles that rated high-
- ly in the AutoPacific list are: Sports Car - Chevrolet Corvette:
 - Sporty Car Dodge Challenger (for third year);
 - Mid-size SUV Jeep Grand Cherokee (third year);
 - Large Crossover SUV Chevrolet Traverse;
- Minivan Chrysler Pacifica.



2019 Jeep Grand Cherokee



2019 Chevrolet Traverse

Cleaning Up Great Lakes Produces Economic Benefits

new report says cleaning up some of the Great Lakes region's most heavily polluted areas has led to billions of dollars' worth of economic development and brought communities closer together.

The study released Aug. 13

ANN ARBOR, Mich. (AP) – A was conducted by the Interna- 43 such "areas of concern" in the tional Association for Great Lakes Research in Ann Arbor.

> It reviews efforts to restore harbors, river mouths and other spots that were contaminated with toxic wastes during the industrial boom era.

The U.S. and Canada identified Detroit River in Michigan.

1980s. Work remains to be done on most of them.

The report highlights 10 places where cleanups have spurred development. Among them are the Buffalo River in New York, the Cuyahoga River in Cleveland, the



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GM Supplier Expanding **Operations**

PORT HURON, Mich. (AP) -Port Huron's industrial park will soon be home to an engineering company that is expected to bring jobs and millions of dollars to the city.

R & E Automated Systems, an automation, prototyping and engineering company, is expanding its Romeo, Michigan-based operations to Port Huron with plans to invest \$14.4 million and create about 176 new jobs.

The company also got approved Aug. 7 for a \$750,000 performance-based grant by the Michigan Strategic Fund and the Michigan Economic Development Corporation. The project will roll out in the next five years.

"We have a great opportunity to grow not only our business and our team, but also our efforts to create a brighter future for the children of Michigan,' Dan Jaraczewski, R & E Automated System owner said in a statement.

The company is in the process of purchasing a 141,000-squarefoot building, according to a statement from the Economic Development Alliance of St. Clair County. The alliance recruited the company, the Times Herald reported.

Dan Casey, EDA of St. Clair County CEO, said the company's move is a reflection of his group's prioritization of automation as a target industry for the region. He added the alliance will help in the hiring process for the well-paying jobs coming into the county. Casey said the project could lead to increased property tax revenues due to renovations planned at the site, and the highwage jobs could boost the city of Port Huron's income tax revenues.

R & E Automated Systems started in 1999. It provides services to more than 500 clients across the world in varying industries, including automotive, a press release said. The company's website lists Ford Motor Company, General Motors and Fiat Chrysler Automobiles among its customers.

"We are seeing more automation occurring in our industrial parks," Port Huron Mayor Pauline Repp said in a statement. "The whole industry is moving in that direction due to global competition. We're excited to see a company that specializes in automation and prototyping moving into the community.'

Manufacturer **Fined Over** Work Death SOUTH LYON, Mich. (AP) _ A suburban Detroit manufacturing facility has been fined after the death of an employee who fell into vat of sulfuric acid. The Detroit News reported Aug. 14 the \$32,500 fine was issued by the Michigan Occupational Safety and Health Administration, which completed an investigation of Michigan Seamless Tube LLC.

0% APR for 60 Months



Fifty-four-year-old Daniel Hill died hours after the Feb. 9 accident.

The Associated Press sent an email seeking comment from company officials. Michigan Seamless Tube previously said it was fully cooperating with the state and conducting its own probe.

State inspections resulted in five serious citations. Authorities have opened two other investigations into the company.

South Lvon-based Michigan Seamless Tube has a short time to file an appeal.



Rear Climate Control

Aluminum Wheels