Detroit Auto Scene®

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APRIL 29, 2019



The first Gladiators have been shipped to Jeep showrooms in the U.S.

Gladiators on Their Way

ers interested in Jeep's first Gladiator pickup truck in several decades.

The new 2020 Jeep Gladiator began shipping to U.S. dealers from its home at the FCA US Toledo Assembly Complex on April

The company invested \$273 million to retool and modernize the plant for Gladiator production, and added 329 full-time positions to support the build.

Revealed in November 2018, the Gladiator is meant to evoke a rich heritage of tough, dependable Jeep trucks with a combination of rugged utility, authentic

The wait is finally over for buy- Jeep design, open-air freedom, clever functionality and versatility, best-in-class towing and 4x4 payload, advanced fuel-efficient powertrains, superior on- and off-road dynamics and a host of innovative safety and advanced technology features, said FCA spokeswoman Jodi Tinson.

> News of the Jeep truck was first released on Jan. 8, 2017, when FCA revealed that the company was going to spend \$1 billion on retooling two of the company's assembly plants to produce new Jeep products.

In the press release, FCA offi-

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GM Adding Second Shift for New Corvette

and sports car performance translates into jobs. At least that's the case with the next-generation Corvette

General Motors is adding a second shift and more than 400 hourly jobs at its Bowling Green Assembly plant in Kentucky to support production of the Next Generation Corvette, which will be revealed on July 18, said GM spokeswoman Kim Carpenter.

The addition of the second shift will increase the plant's workforce to more than 1,300.

'The Corvette's iconic status owes so much to the men and women of Bowling Green, where it has been built exclusively for almost 40 years," said GM and CEO Mary Barra.

"This is the workforce that can deliver a next- generation Corvette worthy of both its historic past and an equally exciting future, and today's announcement gets us one step closer to its reveal on July 18."

Since 2011, GM has invested more than \$900 million into Bowling Green.

This total includes investments toward a new body shop, increased engine capacity, new paint shop, a new Performance Build Center, and additional plant upgrades, Carpenter said.

The plant currently has about

Sometimes the need for speed ployees for a total workforce of America's sports car, the firstabout 880.

> In addition to assembling the Stingray, the ZO6, Grandsport and ZR1 editions of the Corvette, GM produces the LT1 and LT5 2.2L V8 engines used in the Corvette Bowling Green Assem-

The plant has produced more than one million Corvettes since it opened in 1981. It has the largest solar array of any automaker in Kentucky, and its annual economic impact includes more than \$76 million in state wages and \$15 million in income

Known around the world as

generation Corvette was introduced as a 1953 model year. Originally designed as a show car for the 1953 Motorama display at the New York Auto Show, it generated enough interest to go into pro-

The first Corvettes were assembled in Flint in 1953. But starting in 1954, production of the Corvette moved to GM's St. Louis Assembly plant, where the vehicle was to be manufactured for the next several decades.

Production of the Corvette in Bowling Green, Ky., started in

CONTINUED ON PAGE 3



715 hourly and 165 salaried em- Bowling Green Assembly will be making a new generation of Corvettes.

Eaton's eMobility Systems Enter

Under a joint venture, Emotors and Eaton's eMobility will develop a battery electric vehicle.

Joint Agreement

Emotors - officially called Nidec-PSA Emotors - is a joint venture between Nidec Leroy-Somer and Groupe PSA. The company has agreed with power management company Eaton's eMobility to supply high-performance traction inverters for a battery-electric vehicle platform.

"We are pleased to partner with Emotors and value the opportunity to support them in one of their product lines," said Jeff Lowinger, president of eMobility. "Eaton's power-dense inverters help deliver a safe, reliable and comfortable driving experience."

Eaton eMobility, headquartered in Southfield, will provide its power-dense inverters to Emotors, who will integrate it with the motor and ship the finished system to its customers for assembly into the battery electric vehicle.

Leveraging Eaton's expertise managing high-voltage power, eMobility developed the vehicle inverters with a power density of 35 kilowatts per liter and 98 percent operating efficiency, said Eaton spokesman Thomas Nellenbach. The inverter's highpower density and compact, lightweight design take up minimal space in the vehicle while helping maximize range and improving safety and the driving experience.

Eaton projects electrified vehicles will increase to 38 percent of the global passenger car market by 2030, with share dis-

CONTINUED ON PAGE 2

Ford, Rivian to Develop New Battery-Electric Vehicle

Ford Motor Company will be investing \$500 million in the startup technology company Riv-

In addition to the investment announced last week, the companies have agreed to work together to develop a new, next-generation battery-electric vehicle for Ford's growing EV portfolio using Rivian's skateboard platform, said Rivian spokesman Michael McHale

The company was founded as a startup in 2009 by RJ Scaringe, who is the company's CEO. It is a technology developer that specializes in EV engineering.

It has four primary locations -Plymouth, Mich.; Irvine, Calif.; San Jose, Calif., and an engineering facility in Great Britain.

Each component has its own specialty, McHale said. The Plymouth site is dedicated to engineering and design; the Irvine site is dedicated to batteries, electrical hardware and vehicle control software; the San Jose site is developing self-driving



Scaringe, left, with Ford at the announcement of Ford Motor Company's investment in Rivian.

dedicated to advanced engineer-

Rivian's manufacturing facilities are located in Illinois.

"We don't have a traditional headquarters location," McHale said. "It's a new world we're living in. Each location does what it

technology, and the British site is does. The headquarters is really wherever RJ is. When people say that the company was only

> marks another key milestone in cles on the road." our drive to accelerate the transition to sustainable mobility," said

Scaringe. "Ford has a long-standing commitment to sustainability, with Bill Ford being one of the infounded in 2009, I say that's a dustry's earliest advocates, and we are excited to use our tech-"This strategic partnership nology to get more electric vehi-

CONTINUED ON PAGE 2



The Gladiator interior was honored for its user friendliness.

Lincoln Nautilus, Gladiator **Interiors Award Winners**

Cars are a lot like peopole - Toyota RAV4, the Nissan Kicks what's on the inside matters a great deal.

And that's good news for the Lincoln Nautilus and Jeep Gladiator. Both vehicles made the 2019 Wards 10 Best Interiors list.

They join such vehicles as the Bentley Continental, which retails for \$276,730; and the BMW M850i, which retails for \$120,000.

Other vehicles on the list are the Genesis G70, the Mercedes-Benz A220, the Volvo V60, the

and the Hyundai Santa Fe. Tom Murphy, managing editor

of WardsAuto, said that CUVs and SUVs might be all the rage in the U.S. market, but the 2019 Wards 10 Best Interiors list finds several automakers still eager to deliver beautifully executed sedans and coupes with passenger compartments that are sleek, stylish and alluring.

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Eaton eMobility Partners with Emotors

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persed among battery electric, plug-in hybrid, hybrid electric and mild hybrid electric.

Eaton's inverters can be used in all types of electric vehicles, as well as other alternative fuel vehicles, such as hydrogen fuel cell cars and trucks, Nellenbach said.

Eaton has high-voltage, fastacting fuses in nearly 50 percent of global electrified cars and power electronics on a leading European battery-electric vehicle platform.

Eaton also has more than 15 years of experience in developing commercial vehicle hybrid systems and has a number of vehicle electrification products in the market, including DC/DC converters, power distribution units, battery-electric transmissions, and high-voltage fuses.

Eaton eMobility was launched in 2018

Eaton employs 99,000 people worldwide.

Nautilus, Gladiator Interiors Prove Impressive

CONTINUED FROM PAGE 1

Eight *Wards* editors based in Southfield selected the best interiors from a list of 32 nominated vehicles with all-new or significantly improved cabins available in the U.S., Murphy said.

Test drives in Metro Detroit were conducted in February and March, and judges scored each vehicle on design aesthetic, comfort, ergonomics, materials, fit-and-finish and the user-friendliness of displays and controls. There is no price cap for 10 Best Interiors.

"Utility vehicles represent the biggest growth in vehicle sales, and automakers aren't launching as many coupes, sedans and wagons as they have in the past, which makes it remarkable that half the list this year is conventional cars," says *Wards* Senior Content Director Drew Winter.

Judges liked the new 2020 Gladiator, saying "this spring, Jeep is offering its first pickup truck in 27 years, the all-new Gladiator, and it's much more than a Wrangler SUV with a bed attached to the back.

"Yes, much of the Wrangler's content from the B-pillar forward is the same, but the second row is completely new, with loads of clever storage options.

"The second-row seats were redesigned to fold down for storage behind and for seat bottoms to lift up for storage below.

"The optional floor bins can be locked, and the seatbacks can be locked in place as well to secure goods stashed behind them, such as the optional wireless Bluetooth speaker that can be removed for trailhead entertainment."

Judges stated that while all these locks may sound exces-

sive, they provide peace of mind deep in the wilderness for those who will leave their vehicles unattended perhaps for days.

Judges also liked the Gladiator's flexibility, noting that every Gladiator is convertible. Either the soft top folds back quickly and easily, or the hard-top "Freedom Panels" pull off to enjoy the great outdoors.

"The 2020 Jeep Gladiator is a modern take on authentic Jeep design, combining versatility and function in a manner that is clearly inspired by our legendary heritage," said Ralph Gilles, FCA's head of Design.

"The Gladiator's rugged interior styling is a subtle balance of premium materials, must-have features and technology that turns the basic daily drive into an adventure.

"The truck encompasses the spirit of the Jeep brand while checking all the boxes our customers desire."

Judges praised the Nautilus for its "light, airy and beautiful" appearance.

Judges noted that the "center console is the visual focal point of the interior, as the instrument panel slopes downward and intersects with support members for the center armrest that curve gently downward toward the front footwells. Beautifully finishing that space is Silverwood trim that bookends climate and audio controls.

"Also impressive in the Nautilus is the satin metallic trim, the extensive ambient color options and the Sync infotainment system, which has easy-to-understand menus and fast response time to commands, both manual and spoken.

"Even the cargo area is well-ap-

pointed with the Lincoln logo sewn into the carpet and a brushed aluminum protective sillplate."

Lincoln spokeswoman Anika Salceda-Wycoco said that the Nautilus, with its sleek, spacious cabin, has been designed to serve as a sanctuary from the outside world, featuring acoustic side glass to reduce wind noise for rear passengers, and advanced engineering solutions to help eliminate road



The Lincoln Nautilus' interior proved a hit with Wards judges.

Ford Investing \$500M in Rivian Operation

CONTINUED FROM PAGE 1

"We are excited to invest in and partner with Rivian," said Bill Ford, Ford's executive chairman. "I have gotten to know and respect RJ, and we share a common goal to create a sustainable future for our industry through innovation."

Rivian already has developed two clean-sheet vehicles with adventurers at the core of every design and engineering decision, McHale said.

The company's launch products – the five-passenger R1T pickup and seven-passenger R1S SUV – will deliver up to 400-plus miles of range and provide an unmatched combination of performance, off-road capability and utility, starting in late 2020.

"As we continue in our transformation of Ford with new forms of intelligent vehicles and propulsion, this partnership with Rivian brings a fresh approach to both," said Jim Hackett, Ford president and CEO.

"At the same time, we believe Rivian can benefit from Ford's industrial expertise and resources."

Ford intends to develop a new

skateboard platform, Hackett said. This is in addition to Ford's existing plans to develop a portfolio of battery electric vehicles.

As part of its previously announced \$11 billion EV investment, Ford already has confirmed two key fully electric vehicles: a Mustang-inspired crossover coming in 2020 and a

vehicle using Rivian's flexible zero-emissions version of the skateboard platform, Hackett best-selling F-150 pickup.

Rivian remains an independent company. The investment is subject to customary regulatory approval.

Following Ford's investment, Joe Hinrichs, Ford's president of Automotive, will join Rivian's seven-member board, McHale said

Waymo Leases Detroit Factory Space

DETROIT (AP) – Google's self-driving car spinoff Waymo says it will reopen an axle plant in Detroit to convert conventional vehicles so they can drive autonomously.

The company says it will lease a now-closed American Axle & Manufacturing plant north of downtown so it can convert the vehicles, mostly Chrysler Pacifica minivans.

Waymo plans to spend around \$13.6 million and create up to 400 jobs at the site, which is expected to open in the middle of the year.

The company will get an incentive grant from the state of Michigan worth up to \$8 million, depending on how much the com-

pany spends on developing the facility.

Waymo announced plans for the factory in January. The company said it wanted a facility in southeast Michigan due to the strong pool of automotive talent in the area.

The axle plant, which made parts for full-size pickup trucks, closed in 2012. Construction has already begun to convert it so Waymo can begin work.

Waymo already has a small facility in the Detroit suburb of Novi, where it tests vehicles in snowy weather. The company is running a robotaxi service in the Phoenix area with autonomous vehicles that have human back-up drivers.





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GM Employees Celebrate 'Take Kids to Work'

by Jim Stickford

The kids took over the GM Tech Center in Warren last week.

More than 4,000 of them went with their parents to see what they do on their jobs.

That's the estimate given by GM spokeswoman Jasmin Saleh, who said the children were brought in April 25 by their parents for a "Take Your Kids to Work Day."

"This day happens after a lot of people donate their time to plan, create and put on events and demonstrations for children," Saleh said. "This day gives parents the chance to show their kids what they do, and to help build a love of STEM."

Lucia Del Villano and Andre Watts, both dimensional systems engineers, put together a display that used wooden building blocks. The idea was that participants would use the blocks to make tight-fitting doors.

"Both Andre and I, in our jobs as dimensional systems engineers, make sure that the parts that go into doors have quality and that they fit together tightly so that the doors of GM vehicles open and close as they should," Del Villano said.

"I've been here at GM for three years and with my current work group for six months. I see what we're doing today a great opportunity for kids to get excited about engineering."

All too often, it's difficult to keep that excitement about STEM going, Del Villano said. As children get older, that spark of interest can die off. So when presented with the chance to create an interactive event that would allow children to use their imaginations in an engineering problem, she and Watts jumped at the chance to make that happen.

"It's fun to see the kids at work," Del Villano said. "A lot of them want to be a part of the demonstration. Some of the older children have asked us what kinds of degrees and education they would need to be an engineer so that they can do what we do for real. We even had one child ask if there was a prize for successfully completing the task at hand. No there isn't, but isn't knowledge the ultimate prize?"



Watts, using wooden blocks, shows children the fundamentals of making sure car doors have a tight fit.

Lucas Christianson, age nine, came with his father, Jeff, who is a vehicle personalization program manager at the Tech Center.

One of the stations Lucas visited was called "Coding Without Computers." There, participants were presented with a board that was divided into squares. They had to move pieces from one part of the board to another, using only the commands left, right and forward.

The children were given a pen and paper and had to write out their "program" in advance. Then Michelle Pascual, a design release engineer, would move the pieces using the program developed by the children.

Jeff Christianson said that he was glad to be able to bring Lucas and his other son, Mason, age seven, to where he works.

"I like to think that they already thought I was cool," Christianson said. "I've brought them to work in the past, and I like that they get to see the cool things that I do for my work."

Shannon McClintock, an electrical designer at the Tech Center, is also a member of the GM's Veteran's Group. Every year, she and her colleagues put together CARE packages and send them to U.S. troops serving overseas.

That takes a lot of manpower and one thing they like to include is candy, so McClintock had a table set up where children could put together candy

packages for troops in active service.

"It is a way for people to say thank you for your service," Mc-Clintock said. "Plus candy."

New Corvette Means More Employees

CONTINUED FROM PAGE 1

1981. For a short time, the vehicle was made in the two separate locations, until production was fully moved to the Bowling Green plant.

The fourth-generation Corvette, the C4, began production in Bowling Green in 1984.

The fifth generation Corvette was introduced to the public in 1997 and the sixth generation in 2005.

The seventh-generation Corvette – the most current – was revealed in January 2013 at the North American International Auto Show in Detroit.

This was the first Corvette model to bring back the Stingray nameplate going back to the year 1976.

The final production seventhgeneration Corvette made in Bowling Green Assembly will be auctioned off this summer with proceeds benefiting the Stephen Siller Tunnel to Towers Foundation.



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Jeep Showroom Floors Soon

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cials stated that the south plant of the Toledo Assembly Complex was going to be retooled to build a new Jeep pickup. That pickup would later be named Gladiator.

FCA also announced Warren Truck Assembly plant would produce a new Jeep Wagoneer and Grand Wagoneer.

The first time the public was able to see the 2020 Gladiator was in November of 2018, when Jeep unveiled the vehicle at the Los Angeles Auto Show.

The name of the new Jeep pickup was chosen specifically to evoke Jeep's truck heritage.

The brand produced a Gladiator pickup from 1962 through 1988.

The 2020 Gladiator was designed with a rugged, distinguished design aesthetic that is immediately recognizable with traditional Jeep design cues, Tinson said.

The Jeep design team kept the legendary seven-slot grille seen on Wrangler, but widened the grille slots for additional air intake to assist with the increased towing capacity.

The top of the keystoneshaped grille was designed to be gently swept back to enhance aerodynamics, Tinson

Interest in the new Gladiator has been high, said FCA spokeswoman Val Oehmke.

In early April, Jeep allowed buyers to order a special edition of the truck online for one

Jeep managed to sell more than 4,000 Gladiator trucks in that one day, Oehmke said.

Gladiators Hitting FCA Vehicles Make Big Splash in Texas Spring Roundup

FCA has some vehicles that have proven very popular in

"It appears that Texans really appreciate Italian styling and performance," said Berj Alexanian, a spokesman for FCA.

He noted that the Alfa Romeo brand took top honors in the Performance Sedan of Texas with the Alfa Romeo Giulia Quadrifoglio - for the third year in a row.

The award was presented at the recent annual Texas Auto Roundup hosted by the Texas Auto Writers Association (TAWA) Spring Roundup.

"Alfa Romeo has come away with an award every time it's gone to TAWA events," Alexanian said. "The brand has brought different vehicles to different events, so it shows that the brand is keeping things fresh. It's especially nice to win this year with the Giulia Quadrifoglio.

"Automakers usually bring their best and newest vehicles to the TAWA Roundup and the Giulia was introduced in late 2016, making it about two-and-ahalf years old. But it still beat new vehicles like the Infiniti O60S and the VW Jetta GTI."

Alexanian said that Texas is an important state for the Alfa Romeo brand.

"We do very well in the Houston and Dallas markets," Alexanian said. "In Texas, many people have a truck as their primary vehicle, so having them pick an Alfa Romeo as their secondary vehicle, as their car, really means a

Alfa Romeo wasn't the only FCA brand to do well at TAWA Roundup. FCA US won the most awards of any manufacturer.

The Dodge brand won the Car of Texas and the Performance Coupe of Texas with 2019 Dodge Challenger.

The Chrysler Brand won the Family Car of Texas and the Minivan of Texas with the 2019 Chrysler Pacifica.

TAWA is one of the most reputable automotive press organizations in the industry. It has a 30-year history of promoting quality and accuracy in automotive journalism and disseminating information about the industry through news-related print, online and broadcast media, said Alexanian.

TAWA produces two driving events each year - the Texas Auto Roundup in the spring and the Texas Truck Rodeo in the fall.

Media members drive and evaluate new vehicles competing for the coveted Car of Texas or Truck of Texas trophies.

TAWA is one of the most reputable automotive press organizations in the industry with a 30year history of promoting quality and accuracy in automotive journalism and disseminating information about the industry through news-related print, online and broadcast media, Alexanian said

The Chrysler Pacifica remains the number one choice for families in Texas with four consecutive wins as the Family Car of Texas and Minivan of Texas, Alexanian said.

"Driving enthusiasts in Texas love horsepower, and the Dodge Challenger's classic muscular lines and monumental power won over our voters," said Michael Marrs, president of TAWA and co-host of the "In Wheel Time" radio show in Hous-

"The Chrysler Pacifica continues to impress our members with its combination of familyfriendly features, technology and versatility, while the Alfa Romeo Giulia Quadrifoglio offers Texans both performance and Italian design for an exceptional driving experience.'

TAWA members used local surface roads in Texas and an autocross course set up by the Sports Car Club of America to evaluate

vehicles in side-by-side comparisons.

The 29 judged vehicles were test-driven by 44 different TAWA journalists during the two-day



The Giulia Quadrifoglio proved populer with auto writers in Texas.

AxleTech Partners with Agility Fuel Solutions

AxleTech of Trov has entered into a strategic agreement with Agility Fuel Solutions, a global provider of clean fuel solutions for medium- and heavy-duty commercial vehicles.

The parties will combine their respective processes and technologies to deliver highly refined vehicle controls systems for the most advanced EV powertrain AxleTech developed, said spokeswoman Cynthia Norris.

"The desire for electric powertrain solutions is growing rapidly in the commercial vehicle market, and AxleTech is ready to lead the way," said AxleTech CEO Bill Gryzenia.

"Agility brings extensive experience to the table with their knowledge of integrating systems into trucks, their controls experience for commercial trucks, and their approach to battery packaging for the commercial vehicle market.

"Strategic alliances like this one are what enables us to offer a complete integrated electric powertrain solution for mediumand heavy-duty trucks.

"Agility is honored to work with AxleTech in this effort to meet the demand for electrification," said Todd Sloan, Agility's senior vice president - Innovation & New Business Develop-

"AxleTech's next-generation epowertrain combined with their knowledge and proficiency in powertrain applications make them an ideal partner for strategically driving the commercial transportation industry.

Agility will contribute highvoltage, liquid-cooled, lithiumion battery packs specifically engineered for the demands of commercial vehicles.

AxleTech plans to introduce several EV product breakthroughs in April.



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NHRA Approves Street-Legal Mopar Vehicle

The drag-oriented, street-legal 2019 Dodge Challenger R/T Scat Pack 1320 is now approved by the National Hot Rod Association (NHRA).

The Dodge Challenger R/T Scat Pack 1320 was recently given the green light to be modified for competition in NHRA Stock and Super Stock Sportsman class competition for the 2019 season, said Mopar spokesman Darren Jacobs.

Named for the quarter-mile distance (1,320 feet), the Dodge Challenger R/T Scat Pack 1320 is powered by the 392 Hemi V8 engine that delivers 485 horsepower and 475 lb.-ft. of torque.

With a quarter-mile elapsed time of 11.70 seconds at 115 miles per hour, the showroom-stock Challenger R/T Scat Pack 1320 is the fastest naturally aspirated, street-legal muscle car available, Jacobs said.

The vehicle will feature a class weight break of 8.23 and carry a minimum weight of 3,400 lbs. Contestants intending to compete at an NHRA event must meet any and all rules and regulations for the category they intend to enter.

A new "Angry Bee" interpretation of the Dodge Super Bee logo marks the vehicle's front fenders, instrument panel, headlamps, instrument gauge cluster startup splash screen and key fob. The street-to-strip muscle car is beginning to arrive in FCA US dealerships right now, Jacobs said.

"With the new 2019 Dodge Challenger R/T Scat Pack 1320 hitting showrooms, we know it's just a short time before the 'Angry Bee' is buzzing the quarter-mile in NHRA and NMCA competition," said Steve Beahm, head of Passenger Car Brands – Dodge, SRT, Chrysler and Fiat, FCA – North America.

"The 1320 brings the drag racing technology we launched on the limited-production Demon and pairs it with the proven 392 HEMI engine to create a blank canvas for the serious grass roots drag racer who may have one car that needs to do double duty – both at the drag strip and on the street."

Big Japenese Bank Invests Yen in Uber

TOKYO (AP) – Japan's top automaker Toyota, auto parts maker Denso and internet company SoftBank's investment fund are investing \$1 billion in carsharing Uber's technology unit.

The Japanese companies said April 19 that Toyota Motor Corp. and Denso Corp. will together invest \$667 million and SoftBank Corp.'s Vision Fund will contribute \$333 million in Uber Technologies Inc.'s new entity, Advanced Technologies Group, or Uber ATG, which will try to develop and commercialize automated ridesharing services.

The move comes as Toyota steps up such efforts, including investing \$500 million in Uber, based in San Francisco, and setting up a \$20 million joint venture with SoftBank to create mobility services.

Toyota also promised to contribute up to \$300 million more over the next three years for developing next-generation autonomous vehicles and services.

Toyota Executive Vice President Shigeki Tomoyama said working together will help bring down costs and speed up development.

Uber CEO Dara Khosrowshahi expressed hope that the deal will help maintain Uber's leading position in the technology.

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Former Nissan CEO Ghosn Pays \$4.5 Million in Bail

TOKYO (AP) – Nissan's former chairman, Carlos Ghosn, was awaiting release from the Tokyo Detention House on April 25 when he paid 500 million yen (\$4.5 million) in bail.

Prosecutors were fighting to keep Ghosn in detention and it was unclear when he might be released.

The prosecutors said in a statement they vehemently oppose releasing Ghosn, contending he could tamper with evidence or influence witnesses.

Ghosn was arrested in November, released on bail in March but re-arrested and detained in April on fresh allegations.

The latest bail comes on top of the 1 billion yen (\$9 million) Ghosn posted for his earlier release.

He has been charged with under-reporting his post-retirement compensation and breach of trust in diverting Nissan money and allegedly having it shoulder his personal investment losses.

Ghosn, 65, a Brazilian-born Frenchman of Lebanese ancestry, says he is innocent. He contends the compensation he allegedly underreported was never decided on or paid and the payments considered to be a breach of trust were legitimate.

For the earlier release, his defense team offered special conditions such installing a surveillance camera at the entrance to a specified residence for the former star executive and promising to use a cellphone and the internet only under specified conditions. The latest release requires similar restrictions, including not leaving the country, according to the court.

"I am so relieved. I had been worried," Ghosn's lawyer Junichiro Hironaka told reporters about the court decision.

Japanese media reports said the court is adding a new restriction, requiring advance notice of contacts between Ghosn and his wife, Carole Ghosn. Details of that restriction were unclear.

Carole Ghosn was called in for questioning earlier this month.

Takashi Takano, one Ghosn's lawyers, has denied Japanese media reports that Carole Ghosn had contacted people related to the allegations and stressed Ghosn's entire family has been abiding by the terms of his bail agreement.

"If they had done such a thing, the release on bail would end, and they would lose bail money," he said in a recent blog post.

Japanese social media and media were alive with speculation over how Ghosn might appear when he leaves detention.

When he was released on March 4 after more than 100 days in detention, he wore a cap, mask and what appeared to be a construction worker's outfit. Ghosn was still easily recognizable, and the "disguise" provoked widespread amusement and commentary.

Ghosn's case has reignited criticism, both internally and internationally, against lengthy detentions without a trial or conviction in Japan, which critics call "hostage justice." Although prolonged detentions are routine in Japan, rearresting a person who has cleared bail is unusual.

Ghosn led Nissan Motor Co. for two decades and was credited with steering the success of the global alliance with Renault SA of France and smaller Japanese automaker Mitsubishi Motors Corp.



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