Tech Center News

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2019 Corvette ZR1 Scores Top Time at VIR Race Track

It's not even out yet, but the 2019 Chevrolet Corvette ZR1 is already breaking records.

The 2019 Corvette ZR1 set a production-car lap record on the 4.1-mile Grand Course West at Virginia International Raceway with a time of 2:37.25.

Along with a harness bar and track seats with five-point harnesses, the record-setting stock ZR1 coupe was equipped with the available paddle-shift eightspeed automatic and ZTK Performance Package, which includes an adjustable carbon-fiber High Wing, a front splitter with carbon-fiber end caps, Michelin Pilot Sport Cup 2 summer-only tires, and specific chassis and Magnetic Ride Control tuning.

'The Corvette ZR1's lap record at VIR, arguably America's most challenging road course, is a testament to its supercar status," said Mark Reuss, GM executive vice president, Global Product Development, Purchasing and Supply Chain. "On the racetrack, the ZR1 can compete with any supercar - at any price.'

On sale this spring, the ZR1 coupe will carry a suggested retail price of \$119,995 (price includes destination charge, but excludes tax, title and other dealer fees). The ZTK Performance Package will cost \$2,995.

The ZR1's record lap at VIR was set during routine validation testing earlier in January, with vehicle dynamics engineer Jim Mero at the wheel. The car was set up per the owner's manual's recommended track alignment

The 2019 Corvette ZR1 - lap record holder on Grand Course West at Virginia International Raceway

and aerodynamic settings. As part of the validation, the ZR1 was finalizing its total of 24 hours of at-limit track testing, with multiple GM Performance engineers logging laps.

The track had been empty since mid-December, so it was a bit slow when we started, but the conditions turned pretty quick at the end," said Alex MacDonald, manager of Vehicle Performance.

"On the heels of announcing our Z06 time of 2:39.77, the ZR1 lap time is the icing on the cake. lt's not too often you set a lap record during validation testing."

The ZR1's exclusive LT5 6.2L supercharged engine is rated at an SAE-certified 755 horsepower and 715 lb.-ft. of torque.

The LT5 features a new, more efficient intercooled supercharger system, said GM spokesman Ron Kiino, along with GM's first dual fuel-injection system, which employs primary direct injection and supplemental port injection.

Compared to the supercharger system on the Corvette Z06's LT4 engine, the LT5 employs a larger, 2.65-liter supercharger that generates more boost while spinning at a slightly slower speed. That reduces heat to help maintain a lower air intake temperature for optimal performance.

Four new radiators also help manage cooling in the ZR1, which features 13 radiators in all, including circuits for engine oil, transmission and differential cooling, Kiino said.

Colorado ZR2 Pickup Truck Earns Honors

GM's success with pickup trucks continues.

The Chevrolet Colorado ZR2 is Cars.com's Best Pickup Truck of 2018.

The Colorado ZR2 was one of two Chevrolet nominees for the award, along with the Silverado 3500, said GM spokesman Phil Lienert.

Cars.com and Pickup-Trucks.com editors praised the truck's "almost perfect combination of passion and technology," noting that it's, "not just an interesting example of a new pickup truck, but is quite possibly the most distinctive vehicle that's come along in years."

"To fully compete in the offroad space, we couldn't just launch with a 'me too' vehicle," said Paul Edwards, U.S. vice president, Chevrolet Marketing. 'As part of our strategic plan and continued investment in our truck lineup, ZR2 builds on the boldness of the Colorado program. Our midsize truck line has defied naysayers by selling more than 300,000 trucks in three years, and ZR2 adds forwardlooking technology and innovation to the recipe to reach an entirely new group of off-road enthusiast customers.

The ZR2 is effectively a segment of one, said Joe Jacuzzi, executive director of Global Chevrolet and Brand Communications, combining the nimbleness and

CONTINUED ON PAGE 3



FCA Sees Its January Sales General Motors Enjoys Strong SUV, CUV Sales to Start Off the Year

Ford's Transaction Prices Above

held in conjunction with the Scholastic Art & Writing Awards scholarship program that recognizes artistic achievement by students nationwide, Patrick said. More than 2,100 works of art were submitted to the Michigan Thumb Region competition this year by 930 students.

Lapeer, Sanilac and St. Clair counties participated, said Sean

Patrick, Media Relations manag-

The regional competition is

er at MCC.

Regional awards include Honorable Mention, Silver and Gold Keys, American Vision nominations, Ken Hoover Best of Show Art Portfolio and Best in Category. Gold Key winning artwork and portfolios nominated from each region across the country are forwarded to New York for national judging.

National winners may also receive scholarships and other prizes. The exhibit is open to the public free of charge Monday through Saturday 10 a.m.-4 p.m., with extended hours on Thursday, 10 a.m.-8 p.m.

Fall Sharply

FCA US reported sales of 132,803 vehicles, a 13 percent decrease compared with sales in January 2017 of 152,218.

Retail sales rose 2 percent to 111,577, making it the second highest level since 2001, said FCA spokesman Jeff Bennett.

FCA maintained its strategy of reducing fleet sales, which decreased by 50 percent compared with January 2017. Fleet accounted for 16 percent of total January sales.

Overall, Jeep brand total sales increased 2 percent in January to 59,703, Bennett said. Retail sales increased 11 percent to 57,017, setting a record for January. The Jeep Compass generated total sales of 10,192 - also a

CONTINUED ON PAGE 5

GM's sales figures for January of 2018 showed a 1.3 percent increase over the same time in 2017. GM total sales in January totaled 198,548 units.

The company ended 2017 as the automaker with the fastestgrowing crossover sales in the United States, showing a 20 percent year-over-year gain in the segment in January, along with a 7 percent increase in truck deliveries, said GM spokesman Jim Cain.

Demand for Chevrolet trucks and crossovers was very robust, Cain said, helping the brand increase deliveries by 5 percent year over year. Other Chevrolet highlights include:

· Chevrolet was the fastestgrowing crossover brand of 2017, and January deliveries were up 40 percent. The new Equinox and Traverse, as well as the Trax and Bolt EV, all posted their best-ever January sales.

- · Chevrolet's unique threetruck pickup strategy delivered a 17 percent increase in deliveries, with the Colorado up 25 percent and the Silverado up 15 percent. It was the best January ever for Silverado crew cabs.
- Chevrolet Tahoe deliveries were up 22 percent.

"All of our brands are building momentum in the industry's hottest and most profitable segments," said Kurt McNeil, U.S. vice president, Sales Operations. "Chevrolet led the growth of the small crossover segment with the Trax as well as the mid-pickup segment with the Colorado. Now, we have the all-new Equinox and Traverse delivering

Auto Industry's

Overall Ford Motor Company U.S. sales for January totaled 161,143 vehicles - a 6.6 percent decline.

Fleet sales of 45,956 vehicles are down 12 percent due primarily to a planned change in delivery timing of daily rental sales, said Mark LeNeve, Ford vice president of U.S. Marketing, Sales and Service.

Ford transaction prices hit \$37,000 per vehicle in January, compared to \$32,100 for the industry overall. Retail sales declined 4.3 percent on 115,187 vehicles sold, LaNeve said.

"U.S. economic factors are very healthy and we're seeing the effect in the auto industry, not just in strong demand for

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Warren Library **Holding Black History Event**

The Warren Public Library is hosting a special seminar about the Underground Railroad movement and how it changed America on Thursday, Feb. 8.

The presentation starts at 6 p.m. in the Warren Civic Center Branch's conference room, said Warren librarian Cyndi Knecht.

Author and retired librarian Evelyn Millstein will visit the library to talk about her book, "The Underground Railroad," said Knecht.

"She has been a student of African American history for 70 years," Knecht said. "After retiring as a librarian, Ms. Millstein spent three years completing this book. 'The Underground Railroad' is a labor of love by a woman who has dedicated her life to promoting African American history."

Knecht said that space for this event is limited and those people wishing to attend should reserve a seat in advance by calling the Civic Center branch at 586-574-4564.

Government regulations have an effect on how companies invest in new automotive technology and there is value in public-private partnerships to help accelerate the development and commercialization of advanced technologies. So government should not be afraid of working with industry to support American innovation.

That was the message given by Mihai Dorobantu, director of Eaton's Technology Planning and Government Affairs - Vehicle Group, before the U.S. Senate Committee on Energy and Natural Resources, on Jan. 25.

Dorobantu, who is based at Eaton's Vehicle Group headquarters in Galesburg, Mich., began his testimony by saying that the U.S. and global automotive industry are in a period of rapid change and development as the auto industry moves into the next generation of truck and passenger vehicles. At the same time, these rapid changes in the industry also present challenges, he said.

"We are part of a motor vehicle parts manufacturing industry that is a driving force in transforming mobility through innovation and technology, while leading greater environmental improvements through sustainability around the global economy," Dorobantu said.

"Motor vehicle component manufacturers are the nation's largest direct employer of manufacturing jobs in the U.S., employing over 871,000 workers in all 50 states.

Together with indirect and employment-induced jobs, the total U.S. employment impact of the supplier industry is 4.26 million jobs. The total jobs in the supplier industry saw nearly 19 percent growth between 2012 and 2015.

You're invited!

Dorobantu said Eaton Vehicle is a Tier I supplier and companies such as his provide the technologies and components that make up more than 77 percent of the value of a new vehicle. This supply base has generated jobs and investment in the U.S. economy, he said.

'Regulatory pressure, technological innovation, and customer expectations are driving adoption of clean and intelligent products, challenging traditional notions of mobility and creating exceptional growth opportunities for well-positioned companies,' Dorobantu said.

"Our technologies also enable businesses to meet regulatory requirements and performance goals, ensure reliability and uptime, and lower fleet operational costs.

"Our experience tells us that new product developments will only succeed when all of these customer expectations are met. Our approach to innovation begins and ends with these requirements.³

Dorobantu said that Eaton has benefitted from its work with several government agencies, such as Oak Ridge National Laboratory in Colorado.

By having access to labs' highperformance computing equipment and vehicle testing equipment - as well as the results of government research on new battery tech – companies like Eaton have maintained global competitiveness.

"At the same time," he said, 'we contribute our expertise and research direction, materials, and funding to the Labs' efforts. The result is that, working together, we create and demonstrate new technologies and jointly advance state of the art technologies and enhance American competitiveness.

'We also work closely with the Department of Energy, through its Vehicle Technologies Office and Advanced Manufacturing Program. In partnership with the Department of Energy, we successfully developed the fundamentals of new technologies that have become essential elements of advanced products.'

From Eaton's perspective, public-private partnerships foster collaboration across the industry in a way that is not easily achieved with separate commercial entities acting independently, thus creating new opportunities and new products.

They connect basic research capabilities in universities and National Laboratories with industrial research and development organizations, accelerating the pace of innovation.

And public/private partnerships connect technology startups developing new ideas to industrial players that have manufacturing capabilities and scale, Dorobantu said.

"They also demonstrate the potential of new technologies, enabling product development investment decisions that otherwise would not be made in a conservative industry," he said. "As an example, the benefits of multispeed transmissions for electrical trucks and buses are enabling a shift towards commercialization by significantly reducing motor and battery needs."

The vehicle industry, said Dorobantu, is facing significant challenges. As it is very capitalintensive, the industry has historically been relatively conservative in investment. However, the technology landscape is changing rapidly and forwardlooking investment is imperative.

The industry, he said, is responding to the challenge of reducing fuel burn, which adds cost and complexity throughout the supply chain. Evolving markets are also creating industry challenges as we face increased technology competition.

Ford Car Sales See a Drop **This January**

CONTINUED FROM PAGE 1

SUVs and pickups, but in demand for high trim versions of vehicles," LaNeve said. "Our allnew Expedition and Navigator are off to a hot start across the country; Platinum Expedition and high series Reserve and Black Label versions of Navigator are in high demand."

Ford transaction prices hit \$37,000 per vehicle in January, compared to \$32,100 for the industry overall. Retail sales declined 4.3 percent on 115,187 vehicles sold. LaNeve said. January saw new record average transaction pricing for Ford, an increase of \$2,000, with incentive spend down \$200 compared to last vear.

He also noted that retail sales of Ford Expedition gained 56.8 percent, with fleet sales off 66.3 percent due to order timing; 2018 Expedition is turning in just 11 days.

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The FT 400 was developed in collaboration with Ignites Research, a subsidiary of the FT that provides specialized content on asset management. To qualify for the list, advisers had to have 10 years of experience and at least \$300 million in assets under management (AUM) and no more than 60% of the AUM with institutional clients. The FT reaches out to some of the largest brokerages in the U.S. and asks them to provide a list of advisors who meet the minimum criteria outlined above. These advisors are then invited to apply for the ranking. Only advisors who submit an online application can be considered for the ranking. In 2016, roughly 980 applications were received and 400 were selected to the final list. The 400 qualified advisers were then scored on six attributes: AUM, AUM growth rate, compliance record, years of experience, industry certifications, and online accessibility. AUM is the top factor, accounting for roughly 60-70 percent of the applicant's score. Additionally, to provide a diversity of advisors, the FT placed a cap on the number of advisors from any one state that's roughly correlated to the distribution of millionaires across the U.S. The ranking may not be representative of any one client's experience, is not an endorsement, and is not indicative of advisor's future performance. Neither Raymond James nor any of its Financial Advisors pay a fee in exchange for this award/rating. The FT is not affiliated with Raymond James. space Neither Raymond James Financial Services nor any Raymond James Financial Advisor renders advice on tax issues, these matters should be discussed with the appropriate professional.

is off to a tremendous start, with a high mix of Platinum models representing 29 percent of our sales - pushing transaction price increases of \$7,800," LaNeve said. "We saw retail sales increase in every region of the country, with our largest market, the Central region, up 46 percent."

F-Series sales of 58,937 vehicles last month represent truck's best start to the year since 2004, LaNeve said. Mustang retail sales increased 10.7 percent, with a total of 4,732 cars sold. EcoSport began sales for the first time in the U.S. in January; stock continues to build as dealers are very excited about this new SUV, said LaNeve. Lincoln Navigator posted a 131.7 percent retail gain last month, with overall sales of 1.288 SUVs.

"Sales of our all-new Lincoln Navigator are up triple digits in every region of the country, with the Western region up 135 percent," LaNeve said.

Tech Center News

FEBRUARY 5, 2018

COVERS THE TECH CENTER AND THE IMMEDIATE AREA

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Williams, left, presents Chevy's Joe Jacuzzi with the Cars.com award.

ZR2 Pickup Truck Earns Top Honors at Cars.com

CONTINUED FROM PAGE 1

maneuverability of a mid-size pickup with a host of new off-road features and the most off-road technology of any vehicle in its segment.

Compared to a standard Colorado, the ZR2 features a threeand-a-half-inch wider track and a suspension lifted up by two inches. Functional rocker protection has been added for better performance over rocks and obstacles, and the front and rear bumpers have been modified for better off-road clearance, Edwards said.

Its class-exclusive features, said Edwards, include front and rear electronic locking differentials, available diesel engine, and the first off-road application of Multimatic Dynamic Suspensions Spool Valve (DSSV) damper technology.

As a result, Edwards said, the Colorado ZR2 delivers exceptional performance in a variety of scenarios, from technical rock crawling to tight two-track trails to high-speed desert running to daily driving.

PickupTrucks.com Editor Mark Williams had nice things to say about the truck in the Web site's best pickup announcement.

The factory-built ZR2 is the kind of vehicle that off-road enthusiasts build in their garage. It was given a good suspension lift; the front and rear bumpers were modified to allow for bigger wheels and tires; it offers front and rear lockers; and maybe most importantly, Chevy planted four high-tech racing shocks at each corner, Williams wrote.

"When you think about it, there's really nothing truly special about all those pieces, except for the fact that one of the largest and most conservative companies on the planet is producing it off the same line where it builds thousands of vanilla mid-size Colorado pickups.

"That's what makes this vehicle so special. During the development phase, there were hundreds, and possibly thousands, of times when GM and Chevy could have put the brakes on the designs that make this pickup what it is.

"But they didn't - or at least it appears that way."

GM Enjoys Strong January SUV, CUV Sales CONTINUED FROM PAGE 1 percent, with combined

higher sales, share and transac-

tion prices.' Buick and GMC were major contributors to GM's year-over-year growth in crossover sales and total sales, Cain said. Buick also saw a major acceleration in LaCrosse deliveries, which contributed to a year-over-year sales increase of 4 percent for the brand.

- The GMC Terrain, which is new for 2018, saw a 14 percent increase.
- The GMC Canyon posted a 5 percent gain.
- Buick Envision sales were up 14 percent for the vehicle's best January yet.
- Buick LaCrosse sales more than doubled to 3,006 units.

Buick's crossover momentum will continue to grow with greater availability of the redesigned Enclave, launched late last year, and the Regal TourX, which began arriving in dealerships in January, Cain said. Cadillac was also strong



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in several segments, helping the brand earn a 9 percent increase in retail deliveries.

- Highlights include:
- Retail sales of the Escalade were up 12 percent year over year, the vehicle gained more than 2 points of retail segment share and ATPs rose by about \$2.300.
- · In addition, retail deliveries Cadillac XT5 of the crossover rose 9 percent, and the ATS and XTS were up 18 percent and 30 percent, respectively.

Other GM Highlights (vs. 2017):

- · Retail deliveries were down 2 percent and retail mix of total sales was 76 percent.
- Fleet sales were up 16

were up \$1,270 year-overyear, according to J.D. Power PIN estimates. Overall, Cain said, GM enjoyed success in January. Vehicles like the Chevrolet Bolt sold 1,177 vehi-

estimates.

Commercial and Govern

ment deliveries up 44 percent and daily rental

deliveries down 7 percent.

GM's incentive spending was

12.8 percent, down 1 point

from a year ago, and down 2 points month over month,

according to J.D. Power PIN

• Average transaction prices

cles in the first month of the year. That's compared to 1,162 sold during the first month of 2017, Cain said.







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Ford earned several loyalty

IHS Markit honored winners in

awards from IHS Markit for 2018.

a variety of categories, said IHS

spokeswoman Michelle Culver.

Ford achieved the highest loyalty

rate of all makes during the 2017

model year, winning the Overall

well, Culver said, with the Lin-

coln MKC named winner in the

Luxury CUV compact category

and the MKX topping the Luxury

Luxury Traditional Compact Car

The MKZ was the winner in the

Automotive manufacturers

and brands were recognized for superior customer retention and conquest efforts during the 2017

model vear (October 2016 through September 2017), Culver

Ford's Lincoln brand also did

Loyalty to Make award.

Mid-Size CUV category.

category, Culver said.



2017 Jeep Grand Cherokee has earned customer loyalty for FCA.

FCA's Jeep and Ram Brand **Create and Keep Customers**

home five Automotive Loyalty Awards from IHS Markit.

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The Jeep brand was recognized by IHS Markit for the second year in a row for having the highest conquest performance, said FCA spokeswoman Claire Carroll.

According to an IHS Markit U.S. owner loyalty analysis, Jeep had the best segment-adjusted conquest performance within the competitive set during the 2017 model year.

The Jeep Grand Cherokee earned its ninth Automotive Loyalty Award for having the highest model loyalty in the non-luxury mid-size SUV segment for the 2017 model year, Carroll said.

Jeep Wrangler was acknowledged by IHS Markit for the second year in a row for having the highest model loyalty in the non-luxury compact SUV segment.

The Ram 1500 was recognized for its second consecutive year for having the highest model loyalty in the non-luxury full- size half-ton pickup segment.

And for the sixth time, the Dodge Challenger muscle car recognized for having was

FCA started off 2018 by taking the highest model loyalty in the non-luxury mid-size sport segment for the 2017 model vear.

"IHS Markit is honored to recognize those automakers, brands and dealer networks that are successfully executing retention and conquest strategies in an increasingly competitive market," said Steve Had, vice president, sales and product marketing solutions for IHS Markit.

Loyalty is determined when a household that owns a new vehicle returns to market and purchases or leases another new vehicle of the same make, model or manufacturer, Had said.

This year's awards are based on an analysis of nearly 17.5 million new vehicle registrations during the 2017 model year, which ran from Oct. 1, 2016, through Sept. 30, 2017.

IHS Markit analyzes loyalty throughout the year, said Had, and regularly works with its customers to effectively manage owner loyalty and conquest efforts through in-depth research and analysis of automotive shopping behaviors, related market influencers and conquest and retention strategies.

said. IHS Markit analysis found that, with approximately 17.5 million new vehicle registrations during the 2017 model year, 53.6 percent of customers returned to market

> vehicle from the same make they already owned. This represents record loyalty rate and an increase of 0.8 percentage points from last year. New to the analysis this year is the assessment of the impact a garage mate of the same brand

to purchase or lease another new

has on defection. A garage containing two vehicles of the same brand will return to repurchase from that brand 63 percent of the time

Ford Earns IHS Markit's Top Loyalty Rate

When the garage mate is a competitive brand then the rate of return drops 20 percentage points to 43 percent brand loyal-

These data points can be used to identify customers who may look loyal to a given brand, but are actually at higher risk for defection.

As a result of this additional analysis. Lincoln was found to be the brand with Highest Loyalty

to Dealer, meaning, 48.5 percent of all Lincoln owners returned to a Lincoln dealer for another Lincoln in the 2017 model year.

"Our Automotive Loyalty Awards program continues to demonstrate the focus automakers. brands and their dealer networks place on winning back and conquesting customers during a strong sales year that's become even more competitive," said Joe LaFeir, senior vice president, automotive. for IHS Markit.

"We are honored to recognize those industry leaders that are working to improve their loyalty efforts year over year."



2017 Lincoln MKC is tops in customer loyalty in Luxury CUV category.

Ford Launches Chariot Service in Columbus

No two cities are exactly the same.

That holds true whether one is discussing the local food scene or homegrown musical talent, and it's equally true when it comes to how transportation systems within these cities are created and how they evolve over time to meet the needs of people in these different cities, said Dan Grossman, Ford Smart Mobility vice president, Global Microtransit Services, in an essay for Medium.com's "city of tomorrow" Web page.

Traffic jams and long commuting times may be challenges cities everywhere face, but that doesn't mean they can be dealt with in the same manner in each location. Grossman said.

'To effectively reduce congestion and pollution, we have to take a deeper look at each city's transportation landscape - its available modes of transit, local preferences, etc. – and examine its specific issues to find the right solutions, Grossman wrote.

"As we work with cities and officials to address their unique needs, we're looking to team up with local players who can take a more active role in the betterment of their communities.

"That's why we're launching our Chariot shuttle service in Columbus, Ohio, through a partnership with JPMorgan Chase as



Ford's Chariot service starts worldwide shuttle test in Ohio.

move toward improving everyone's daily commute and overall quality of life for residents.

Beginning on Jan. 22, Chariot will dispatch its 14-passenger shuttles along six initial routes that weave through multiple neighborhoods as they pick up and drop off Chase employees. Routes include Slate Hill and Washington Park, Lewis Center and North Polaris, Olde Sawmill and Powell, Upper Albany and Westerville, and downtown Columbus.

"Our Chariots are also equipped with bicycle racks to accommodate those who wish to bike to their nearest shuttle stop," Grossman said. "Providing Chariot shuttles is just a first step being offered by Smart Columbus and Chase to improve people's quality of life in the city. Riders are guaranteed a comfortable seat and internet access. They won't have to deal with traffic congestion or be concerned about where to park on the Chase campus. "Our service complements Chase's own ride-sharing programs and the public transit options already available to employees from Central Ohio Transit Authority."

while at the same time adding a new way for residents who don't live near transit stops and would typically drive alone to work to commute.

With the introduction of Chariot, along with the recent launch of CMAX, a new rapid bus service from Central Ohio Transit Authority that runs along Cleveland Avenue, the city of Columbus and Chase are working to relieve the impact thousands of singleoccupancy vehicles can have on the road to create a more connected city.

"Beyond these first six routes with Chase, we're planning to expand Chariot's ride-sharing serv-





Thur. 8am-4pm, Fri. Closed • Sat. by Appt. • Sun. Closed

part of the Smart Columbus initiative. Smart Columbus is focused on improving the transportation infrastructure to relieve congestion and accommodate a regional population that's expected to grow by one million residents over the next two decades.

"Like us, the group wants to develop a comprehensive multimodal approach to transit that drives economic growth, provides better access to jobs and reduces pollution."

Grossman said that by teaming up with Chase, the region's largest corporate employer, Ford is offering Chariot's ride-sharing service to roughly 400 employees who work at the company's Polaris Parkway location in Columbus.

"By providing this service to employees who report to work here each day," Grossman said, "authorities can start reducing the number of single-occupant vehicles on Ohio roadways, and

After all, the goal is to work directly with cities to figure out the best way those in authority and those in the transportation business can improve commuting, Grossman said.

Chariot in Columbus is a perfect example of how Ford's efforts to improve commuting and local transportation complements existing transportation options there, Grossman said,

ice to other businesses and organizations in the Columbus area who are looking for ways to improve their employees' commute," Grossman said. "As we talk to cities around the world it is clear the residents of each have different needs and different challenges when it comes to transportation. In Columbus, Chariot's enterprise service most directly addresses the congestion challenges facing residents there.

"At Ford, we are committed to working with everyone to improve commuting in cities, including businesses, universities, hospitals and any other interested groups. As more organizations commit to encouraging their employees to participate in carpooling and ride sharing, it will play a critical role in improving rush hour, getting unnecessary vehicles off the streets, and giving people more time to spend doing the things they care about, with the people they care about.'

New Duramax to Be Built at Flint Engine

General Motors revealed that Flint Engine Operations will serve as the manufacturing site for the all-new Duramax 3.0L turbo-diesel for the 2019 Silverado.

In 2015, GM announced a \$263 million investment in Flint Engine Operations for a new engine line. GM's most recent announcement was on Jan. 17.

The 2019 Silverado will be available with six engine/transmission combinations, enabling customers to find the combination of performance, efficiency and value that best fits their needs, said GM spokeswoman Liz Trudeau.

One of these choices will be the new Flint-built 3.0L inline-six turbo-diesel.

The new turbo-diesel will be paired with a Hydra-Matic 10speed automatic transmission and will feature industry-exclusive technologies that optimize performance and efficiency.

It is expected to be an efficiency leader in the Silverado lineup.



Employees at Flint Engine Operations install a Duramax 6.6L engine.

builds on the success of our current models, many of which are produced here in Flint," said John Urbanic, Flint Engine Operations plant manager.

'We are proud to expand the industry-leading diesel portfolio here in Vehicle City." With diesel offerings on Equi-

"The next-generation Silverado nox, Cruze, Colorado, Express,

Silverado 1500 and Silverado HD, no other automotive brand offers more diesel models or diesels in more vehicle segments than Chevrolet, Trudeau said.

Flint Engine currently produces 1.4L engines used in the Chevrolet Cruze, Equinox and Volt.



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FCA Sees Its January Sales Fall Sharply

CONTINUED FROM PAGE 1

record for January. Jeep Cherokee total sales for January rose 16 percent to 14,621.

Dealerships began receiving deliveries of the new 2018 Jeep Wrangler in January, which is being produced in Toledo, Ohio.

Chrysler brand total sales declined 21 percent in January to 10,584 compared with the same month a year ago.

The Chrysler Pacifica minivan posted a 20 percent sales increase to 8,011 marking its best January ever. Bennett said.

The 2018 Pacifica was also

named "Family Car of the Year" by Cars.com in January.

Dodge brand total sales declined 31 percent to 27,600. The Dodge Durango full-size SUV continued generating strong results by posting a 9 percent increase in sales compared with the same month a year earlier, Bennett said.

The Dodge Challenger received an Automotive Loyalty Award from IHS Markit in January.

It had the highest model loyalty in the non-luxury mid-size sport segment.

Ram Truck brand sales were down 16 percent to 32,039 compared with the previous vear.

Ram unveiled the new 2019 1500 pickup truck at the North American International Auto Show in Detroit in January, Bennett said.

The latest version of the truck is slated to start production by the end of the first quarter in Sterling Heights.

Sales of Fiat brand declined 43 percent to 1,229 vehicles, but Alfa Romeo brand sales of 1,648 vehicles were up significantly compared with the same month a year ago.

Giulia led the brand with 948 sales, followed by Stelvio at 688.

Donations to the Grace Centers of Hope Holiday Meal Ticket Campaign can be made online at www.GraceCentersofHope.org or by calling 1-855-Help-GCH. Meal tickets can also be purchased at each of the Grace Centers of Hope Thrift Stores.



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Winter Weather Requires Different Driving Methods

ting the country with an outlook for continued blizzard conditions and extreme cold temperatures.

The team at Chevy would like to remind drivers of some of the things they can do to be ready to navigate the roads this winter, said GM spokeswoman Maureen Bender.

"Check out our list of winter driving tips to help you stay safe and prepared on the road," Bender said.

Be prepared before you hit the road:

• Don't drive on Empty. Bad weather can cause unexpected delays, so keep your gas tank at least half full and your cell phone charged.

• Prepare your car for winter. Have a dealer or a trusted mechanic do any scheduled service. Make sure your battery, tires, lights, wiper blades and other critical parts are ready for winter. Check tire pressure, as it can drop as the weather gets colder.

• Consider winter tires. They provide added traction in snow and ice, even for vehicles with four-wheel-drive or all-wheeldrive. If you drive regularly in winter weather, a set of winter tires can be a smart investment.

• Know your vehicle. Review the sections of your owner's manual covering antilock brakes, traction control, and four- or allwheel-drive (if equipped) to make sure you are comfortable with their operation. For quick and easy access to your owner's manual, check out the my-Chevrolet app.

• Stock your car. In addition to a snow brush and ice scraper, it's a good idea to carry a snow shovel and abrasive material such as sand or cat litter.

Winter storms have been hit- Jumper cables, a flashlight and emergency flares can help if you encounter unexpected problems. Cold weather clothing and emergency blanket or sleeping bag can be critical if you are stuck or stranded.

> What to do when behind the wheel:

• Maintain your momentum. If you must travel up a hill in snowy conditions, it's important to leave enough room in front of vou and maintain your momentum while traveling up hill. Stopping in the middle of a hill can result in becoming stuck.

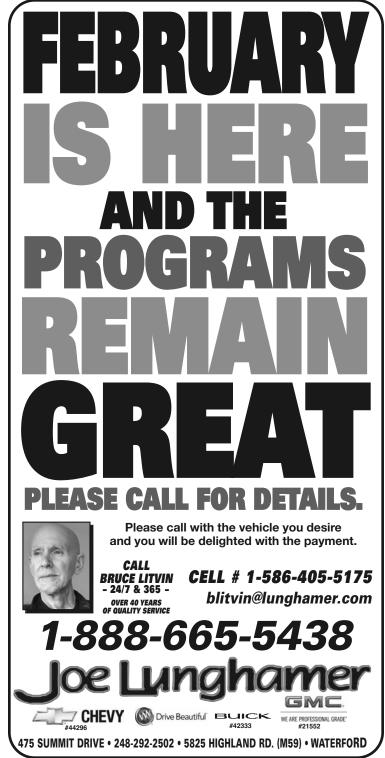
• Changing lanes. If you are going to change lanes, you may want to look for patches of snow covered pavement, these areas often provide better traction for maneuvers. Once you signal for your turn, and begin to maneuver to the next lane, if the vehicle slips it's important to remember not to overcorrect or panic, the StabiliTrak system will assist in your maneuver.

• In case of a skid. Don't pump the brakes. Look in the direction you want the car to go and steer smoothly in that direction. For modern vehicles with antilock brakes, don't pump the brakes. Rather, maintain pressure on the pedal and let the ABS system modulate the braking.

• If the vehicle gets stuck. Depending on your vehicle's ground clearance and the snow conditions, you can sometimes gently rock the vehicle free. Turn the steering wheel left and right to clear the area around the front wheels (or use a snow shovel). Turn off any traction system. Gently shift back and forth between reverse and a low forward gear, spinning the wheels as little as possible.









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