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Reuss unveils the 2019 Corvette ZR1 coupe, left, and convertible at the L.A. Auto Show last week.

## Reuss: 'New ZR1 Convertible a Supercar'

the 2019 Corvette ZR1 with the global introduction of the ZR1 convertible – the first ZR1 droptop since the original 1970 model-year ZR1 – at last week's Los Angeles Auto Show.

On sale next spring alongside Global Product Development,

Chevrolet dropped the top on the Corvette ZR1 coupe, the ZR1 convertible shows off Corvette's iconic proportions and functional sculpture, highlighting the seamless transition between the exterior and interior, said Mark Reuss, executive vice president,

Purchasing and Supply Chain.

The ZR1 coupe will carry a suggested retail price of \$119,995, while the ZR1 convertible will start at \$123,995 (prices include destination charge, but

**CONTINUED ON PAGE 3** 

# Barra Named Motor Trend's 2018 Person of the Year

Breaking the barrier for els rather than piling on incenwomen in the auto industry, Mary Barra has been named the 2018 Motor Trend "Person of the

The magazine's editors say Barra, chairman and CEO of General Motors Company, is making leaps and bounds as she strives to make changes in today's automotive industry.

Jumping from last year's No. 11 spot to No. 1 for 2018, Barra has some kind words printed about her in *Motor Trend*.

The magazine states that, as GM's chairman and CEO, Barra is executing the automaker's plans to expand into electric vehicles starting with the Chevrolet Bolt (Motor Trend's 2017 Car of the Year) and introducing at least 20 new EVs by 2023; partnering with companies such as Lyft; and creating GM's own car-sharing service, Maven.

The magazine's editors said that Barra also made many smart business moves, updating the hot-selling SUV lineup, while dialing back production on slower-selling mod-

Editors noted that she also pushed forward financial restructuring, which elevated GM from bankruptcy to record net income in one of the most successful business turnarounds of the modern age.

Barra was elected chairman of the GM Board of Directors in January of last year, and has served as CEO of GM since January of 2014.

Under Barra's leadership, editors noted that GM has focused on strengthening its core business of great cars, trucks and crossovers, while also working to lead the transformation of personal mobility through advanced technologies like connectivity, electrification, autonomous driving and car sharing.

Barra has also established a strategic direction based on putting the customer at the center of everything the company does, said Motor Trend editors.

Prior to becoming CEO, Barra served as executive vice president,

**CONTINUED ON PAGE 3** 

# From Out of the Future Comes a New Detroit 3 Techy Look

# GMC Debuts New 'All Mountain' Concept

ing cars or trucks, the phrase "hot wheels" might be used. Well, GMC has a concept vehicle that has "hot" treads.

The 2018 GMC Sierra 2500HD All Mountain concept, a one-of-akind snow-climbing machine, debuted last week at Vail Mountain. The Sierra All Mountain concept takes GMC's signature design and "engineering excellence" to new heights, adding tank-like tracks that help it navigate rugged, snow-covered terrain,

When people talk about excit- said GMC spokeswoman Jennie Ecclestone.

> Built on a GMC Sierra 2500HD Denali 4WD Crew Cab platform, the epitome of GMC's strength and design, the All Mountain concept stands ready to tackle steep slopes and extreme weather conditions.

> It combines the power of the 6.6L turbo-diesel V8 engine and first-class interior appointments of the Sierra 2500HD Denali and adds enhanced capability and features through concept Mat

tracks technology and GMC Accessories.

'With GMC's focus on premium capability and design, we wanted to ensure that this concept took these signature attributes to an entirely new level," said Carl Zipfel, GMC exterior designer. "The Sierra All Mountain concept Mattracks technology enables the truck to conquer uncharted territory while highlighting premium interior features such as

CONTINUED ON PAGE 4



Snow-climbing 2018 GMC Sierra 2500HD All Mountain concept



2019 Lincoln Nautilus

# Lincoln's New Nautilus Debuts at L.A. Show

good. And now, the Nautilus has landed in America.

The Lincoln Motor Company last week at the Los Angeles Auto Show introduced the new Lincoln Nautilus, a midsize luxury SUV delivering a powerful turbocharged engine range and a suite of advanced technologies designed to give drivers greater confidence on the road, said Lincoln President Kumar Galhotra.

Nautilus – the successor to

Captain Nemo never had it so Lincoln MKX - joins the recently ideas and attitudes of our unveiled 2019 MKC, the elegant Continental, the new Navigator, and the stylish MKZ for a lineup of vehicles instantly recognizable as Lincoln, said Galhotra.

> "With the introduction of Nautilus, Lincoln has a strong, distinctive portfolio with a common and recognizable identity," said Galhotra. "We're excited to add Nautilus to our Lincoln family of luxury SUVs, along with a new name that better reflects the

clients.

Lincoln's midsize SUV continues to attract new clients to the brand, Galhotra said, with a conquest rate of nearly 40 percent. New clients are crossing over to Lincoln from Cadillac, Lexus and more.

Sales continue to be strong, and the vehicle is on track to deliver its best sales year since its

**CONTINUED ON PAGE 6** 

# Jeep Wrangler Steps Up Open-Air Freedom

Well, it's finally here. Fiat Chrysler unveiled the 2018 Jeep Wrangler last week at the Los Angeles Auto Show.

The new 2018 Jeep Wrangler, said Mike Manley, head of Jeep Brand – FCA Global, builds on its legendary history with an unmatched combination of off-road capability, authentic Jeep design, open-air freedom, advanced fuelefficient powertrains, superior on- and off-road dynamics, and a host of innovative safety and advanced technology features.

"Jeep has always represented the ultimate in capability and open-air freedom, and all-new 2018 Wrangler protects that important legacy and takes it into the future," said Manley.

"The all-new Wrangler is instantly recognizable as a Jeep, staying true to the original, yet it is better in every way - delivering even more rugged capability, more ride comfort, more fuel efficiency courtesy of several advanced powertrain options,

more interior comfort, more safety and more technology.'

The 2018 Jeep Wrangler 2-door model is available in three different trim configurations: Sport, Sport S and Rubicon. Wrangler 4-door models are available in four different trim configurations: Sport, Sport S, Sahara and Rubicon.

It delivers legendary off-road capability courtesy of two advanced 4x4 systems, and for the first time in Wrangler's history, a

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2018 Jeep Wrangler

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#### Ford Big Winner For November Vehicle Sales

DETROIT (AP) - Black Friday deals and strong consumer confidence pushed some auto sales higher in November despite waning demand for post-hurricane replacement vehicles.

Some analysts initially predicted that November sales would drop as post-hurricane sales slowed in Texas and Florida. But Black Friday promotions - which began in early November - helped lure buyers to dealerships.

Fiat Chrysler was offering up to \$16,000 off its 300 sedan, while Hyundai was kicking \$3,750 off the price of a Santa Fe SUV. Car buying site KBB.com said automotive credit applications rose 42 percent on Black Friday compared to other Fridays in November.

Automakers were offering an average of \$3,700 to \$3,800 in incentives per vehicle in November. As prices creep up, deals are creeping up with them, analysts say. The trend will likely continue in 2018, when U.S. sales are expected to drop and automakers will be keen to hold on to their market share.

Sales were buoyed by strong U.S. consumer confidence, which was at its highest level since November 2000, according to the Conference Board.

Car-buying site Edmunds.com predicted November sales will rise 3.5 percent over last year to 1.4 million vehicles.

Here are other details about

- November sales: • Sales dropped 4 percent for
- Fiat Chrysler. • Sales fell 3 percent for Gen-
- eral Motors Co. Sales jumped 7 percent at Ford Motor Co. on strong demand for trucks and SUVs.
- Toyota sales fell 3 percent even though the revamped Camry sedan and the RAV4 small SUV posted record November numbers. Increased truck and SUV sales were offset by steep declines in car, with Toyota cars falling nearly 9 percent.

# **GM's Arlington Assembly Celebrates 11 Millionth Vehicle**

When the Summit White 2018 Tahoe RST rolled off the line at General Motors' Arlington Assembly plant last week, it marked the 11 millionth vehicle - and more than 2.5 million fullsize Chevrolet utilities - produced at the facility since it opened in 1954.

'Chevrolet has led the full-size utility segment in sales for 42 consecutive years by focusing on our customers and providing a range of confident, capable and connected vehicles to move a lot of people and cargo," said Eric Stanczak, chief engineer for Full-Size Trucks and SUVs.

'Today, we continue that leadership with a complete lineup of full-size utility vehicle options to meet our customers' lifestyles and needs, from Tahoe Custom to Suburban Premier to the 420horsepower Tahoe RST.'

Arlington Assembly's milestone underscores Chevrolet's full-size utility success story. Seventy-five percent of all fullsize utility vehicles sold to retail customers in the U.S. are built at Arlington Assembly and nearly one in two full-size utility vehicles sold in the U.S. wears the Chevrolet bowtie, said GM spokesman Monte Doran. No other company has such a dominant share of any segment in the industry, he said.

To keep up with consumer demand, Doran said Arlington Assembly's production line has run



The 11 millionth vehicle, a 2018 Tahoe RST, rolls off the assembly line at GM's plant in Arlington, Texas.

24 hours a day, six days a week, producing one vehicle almost every 60 seconds since 2015.

In addition, Doran said GM promised a \$1.4 billion investment, GM's largest single-factory investment in the U.S., in Arlington Assembly over three years beginning in 2015.

Arlington Assembly builds the full-size Chevrolet Tahoe and Suburban, GMC Yukon and Yukon XL and Cadillac Escalade

The first vehicle was built at the plant in January 1954.

Texas will host another major milestone for Chevy Trucks on Dec.16, when the brand will celebrate the Chevy Trucks Centennial with its customers at Texas Motor Speedway.

The first-ever Tahoe RST will be offered with an exclusive Performance Package that includes Performance Calibrated Magnetic Ride Control, 6.2L V8 and all-new 10-speed automatic transmission.

Tahoe RST Performance Package offers a towing capacity of 8,400 pounds and is capable of 0-60 mph acceleration in under 6



Cadillac's Visionaire RACING track is open to the public in New York.

### **Library to Host Lead Safety Lecture**

The problem of lead poisoning is something that affects many people across the Detroit area.

That's why the Warren Public Library is sponsoring a special session on the subject, said

Warren librarian Jennifer Lund. On Monday, Dec. 4, at 6:30 p.m., Calebria Webb, an environmental assistant for the Wayne County Department of Health, Veterans and Community Wellness, will be at the Dorothy Busch branch of the Warren library, 23333 Ryan Road, to discuss how to prevent lead poison-

The meeting will be held in the Hilary Kutella Community Room and is expected to last approximately 90 minutes, Lund said.

According to the Center for Disease Control, at least four million households in the U.S. have children living in them who are being exposed to lead. The CDC states that no safe blood lead level in children has been identified. Lead exposure can affect nearly every system in the body. There are no obvious symptoms.

Lund said space at the lecture is limited. Call the library at 586-353-0580 to reserve a spot.

# Cadillac House Sets Up Toy Track Just For Fun

Who says there can't be fun and whimsy with luxury cars.

Cadillac Racing had an incredible 2017 season, and now Cadillac House is becoming a destination for all racing enthusiasts with its latest installation, "Visionaire Racing," which opened to the public Nov. 16.

"Visionaire Racing" is the new, interactive exhibition set up at The Gallery at Cadillac House, said Cadillac spokesman CJ

The exhibit is based on 1980s Japanese cult miniature 4WD model-making and racing competitions, and Visionaire brings its own artistic and curatorial twist to the construction and the sport of miniature car racing, Smith

In keeping with traditional Mini Yonku racing, both novice and professional racers, as well as visitors to Cadillac House, are invited to CONSTRUCT (car kits are available for purchase), CRE-ATE (with an array of colorful embellishments) and COMPETE on the East Coast's largest Mini4wd racing track.

Traditionally, this international phenomenon is about speed. Racing and Cadillac's approach ativity in both racing and artistic expression

Participants can decorate mini racetrack.

their own Mini4WD race cars. taking inspiration from Artist Cars on display by Tom Sachs, Marilyn Minter, Virgil Abloh, Laurie Simmons, Nicola Formichetti, Will Cotton, Kristin Baker, Heron Preston, Liz Cohen, Ryan McNamara, Korakrit Arunanondchai, Justin Adian, Bill Powers, Mo-Toland Grinnell, Jon dem. Kessler, Van Neistat, Bob Rubin, Giacomo Di Mura and more.

Last month, Cadillac held a private event to celebrate Cadillac Racing's accomplishments, including the 2017 IMSA Weathertech Sportscar racing championship and 2017 Pirelli World SprintX Challenge Championship.

Jordan Taylor of Cadillac Racing, winner of the 2017 IMSA Weather-Tech DPi driver championship, and other members of the IMSA Weathertech Sportscar racing championship teams were recognized by Cadillac executives, including Johan de Nysschen (global president, Cadillac), Andrew Smith (director of design, Cadillac) and Brandon Vivien (executive chief engineer, Cadillac).

Members of Cadillac's Racing along with personal expression teams, including Wayne Taylor and style, Smith said. Visionaire Racing and Action Express, along with event guests, were the first is focused on individuals' cre- to build miniature race cars and compete against each other on the brand new Visionaire Racing







Motor Trend notes that Barra has "made many smart business moves."

### **Barra Named Person of Year**

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Global Product Development, Purchasing & Supply Chain since August 2013, and as senior vice president, Global Product Development since February 2011.

In these roles, Barra and her teams were responsible for the design, engineering and quality of GM vehicle launches worldwide.

Previously, she served as vice president, Global Human Resources; vice president, Global Manufacturing Engineering; plant manager, Detroit Hamtramck Assembly; and in several other executive engineering and staff positions.

Barra began her career with GM in 1980 as a General Motors Institute (Kettering University) co-op student at the Pontiac Motor Division. She graduated with a Bachelor of Science degree in electrical engineering in 1985, followed by a Masters in Business Administration from the Stanford Graduate School of Business (GSB) in 1990

Barra is a member of the Stanford University Board of Trustees and the Stanford GSB Advisory Council. She also serves on the Board of Directors of the Walt Disney Company and the Detroit Economic Club.

# New ZR1 Corvette Most Powerful

**CONTINUED FROM PAGE 1** 

exclude tax, title and other dealer fees).

"The new Corvette ZR1 convertible is a supercar in all respects," said Reuss. "Few others can challenge the ZR1 convertible's power and speed while offering the exhilaration of top-down motoring."

The performance and technology introduced on the Corvette ZR1 coupe carry over to the new ZR1 convertible, Reuss said. The strength of the Corvette's aluminum chassis means the only structural changes in the convertible are accommodations for the folding top and repositioned safety belt mounts. The power top can be operated remotely or while driving up to 30 mph.

In fact, the curb weight difference between the ZR1 coupe and convertible is less than 60 pounds, with most of the difference attributed to the folding top hardware.

"The ZR1 convertible is a nocompromise supercar," said Corvette Executive Chief Engineer Tadge Juechter. "Thanks to the strong structure, the suspension tuning between coupe and convertible models is identical, meaning the ZR1 convertible offers the same benchmark performance, including a top speed of over 200 mph."

The Corvette ZR1's unique aero package is central to the coupe's 212-mph top speed,

Juechter said. Its standard, stanchion-mounted Low Wing generates road-holding downforce with minimal drag, enabling the benchmark top speed.

"This was evident during topspeed testing at Germany's Papenburg proving ground." Juechter said.

An adjustable High Wing is part of the new \$2,995 ZTK Performance Package, which also includes a front splitter with carbon-fiber end caps, Michelin Pilot Sport Cup 2 tires and specific chassis and Magnetic Ride Control tuning.

It is designed to help generate faster lap times through maximum grip in the corners, with up to 950 pounds of downforce, Reuss said.

The top speed is lower with the High Wing but still exceeds 200 mph.

Complementing the ZR1's aero advantage on the way to 212 mph is the thrust generated by the exclusive LT5 6.2L supercharged

engine, which is rated at an SAE-certified 755 horsepower and 715 lb.-ft. of torque, Reuss said. A seven-speed manual transmission and a ZR1-first paddle-shift eight-speed automatic transmission are offered with it. Preliminary testing has shown 0-60 mph in under 3.0 seconds and the quarter-mile in the high 10-second range when the engine is equipped with the eight-speed automatic.

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

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.







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# GMC Debuts 'All Mountain' Concept at L.A. Auto Show

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Bose speakers and upscale leather treatments.'

Sierra All Mountain Concept Features:

- Mattracks 150 Series Tracks with GMC Red finish;
- Bodyside graphics;
- Wheel well and underbody LED lights;
- Snowboard Racks, associat-
- ed accessories by Thule;
   Amplifier and Dual Pod associated Speaker Kit,
- accessories by KICKER; RIGID E-Series 30-Inch Light
- Soft roll-up tonneau cover by Advantage
- Duramax 6.6L Turbo Diesel engine with 445 horsepower and 910 lb-ft of torque;
- Allison 1000 six-speed automatic transmission.

The GMC Sierra All Mountain will remain on display at Vail for the winter season as part of an exclusive partnership announced earlier this year with Vail Resorts, Inc., the leading global mountain resort company, Ecclestone said.

In addition to the main partnership with Vail Resorts, Inc., GMC has extended its presence by also collaborating with the Vail Valley Foundation and the Town of Vail. GMC will have a large presence in the Town of Vail through vehicle displays, courtesy vehicles, signage and special events.

"The Sierra All Mountain concept is perfectly suited for the outdoor activities offered at Vail properties," said Rich Latek, director of GMC Marketing. "This unique concept truck is a fun way to attract attention to GMC and highlight our partnership with Vail Resorts.'

A similar Sierra All Mountain concept, built on a Sierra 2500HD All Terrain X platform, will be on display at the 2017 Los Angeles Auto Show.

#### State Helping **Revitalize Seven Mile**

DETROIT (AP) - A closed department store along Detroit's Avenue of Fashion in the 7 Mile-Livernois area is to be restored as part of a revitalization of the once-vibrant business district.

The Michigan Economic Development Corp. said Nov. 28 that a \$1.3 million community revitalization program grant will contribute toward the total capital investment of \$8 million for the "7.Liv" mixed-use development project.

Developer and Bagley Forest Properties owner Matt Hessler bought the former B. Siegel Co. building at Livernois and Seven Mile last year.

Two adjacent structures will be demolished to make way for the new development.

A smaller retail building also will be built as part of the development project.

The completed project is expected to provide housing for students and staff at the University of Detroit Mercy and Marygrove College.

It also will include retail space as well as construction of underground parking spaces for drivers and customers.

The Michigan Economic Development Corp. is the state's marketing arm, promoting economic development all across Michi-

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Magazine editors call 2017 Giulia "the new ultimate driving machine."

# Alfa Romeo Giulia Selected As Motor Trend Car of Year

"The 2017 Alfa Romeo Giulia

best represents these six key ele-

ments, which also characterize

what consumers most want in

Contenders are put through a

grueling battery of tests to deter-

mine which vehicles best repre-

sent exceptional value, superiori-

ty in its class and impact on the

The 2018 Car of the Year com-

petition covered more than 7,000

miles of driving, including real-

world testing with potholes,

jagged pavement, steep grades,

misaligned railroad crossings

ture a new, all-aluminum, 2.0-

liter, direct-injection turbo en-

gine with an eight-speed auto-

matic transmission that delivers

a class-leading, standard 280

horsepower and 306 lb.-ft. of

torque, allowing it to launch

from 0-60 mph in 5.1 seconds,

and achieve a top speed of 149

As the lineup's "halo" model,

the Giulia Quadrifoglio highlights

Alfa Romeo's performance and

motorsport knowhow with its

best-in-class 505 horsepower, 0-

60 miles per hour in 3.8 seconds

and a record-setting 7:32 lap time

around the legendary Nürbur-

gring - fastest ever by a four-

door production sedan, said

Alexanian.

Alfa Romeo Giulia models fea-

and avoidance maneuvers.

automotive scene. Loh said.

their next vehicle." he said.

The editors of Motor Trend have named the Alfa Romeo Giulia as its 2018 Car of the Year.

"Motor Trend's judges agreed that the Alfa Romeo Giulia is the new ultimate driving machine,' said Ed Loh, Motor Trend editorin-chief. "Alfa Romeo developed a car that is perhaps the finest handling sedan on the market."

The magazine's editors, said Fiat Chrysler spokesman Berj Alexanian, chose the Giulia because it best represents exceptional value, superiority in its class and impact on the automotive scene

"The Motor Trend Car of the Year award," said Reid Bigland, head of Alfa Romeo, "acknowledges all of the hard work, dedication and passion that went into developing the entire Giulia lineup - including our record-breaking Giulia Quadrifoglio - which revolutionizes the segment and pays tribute to our storied heritage and racing pedigree.

We are honored to be the first Italian brand to ever receive this prestigious award and we're excited for the future of Alfa Romeo here in North America and abroad."

Motor Trend's Car of the Year program is open to any new or substantially upgraded 2017 model-year vehicles, Alexanian said. Rather than being compared against one another, contending vehicles are first put through Motor Trend's full battery of performance tests to measure acceleration, braking and limit handling.

All contenders are then evaluated on three separate courses at a professional automotive test center before finalists are selected. Out of its third-largest field ever, Motor Trend's judges narrowed the field to eight Car of the Year finalists, including the Alfa Romeo Giulia.

All "Of the Year" contenders were selected by Motor Trend judges and evaluated against six key criteria: advancement in design, engineering excellence, safety, efficiency, value and performance of intended function, said Loh.

#### **Gilbert Has Plans** For Brewster Site

DETROIT (AP) - A real estate firm plans to develop more than 700 rental and for-sale housing units on the 18-acre site of a former housing project north of downtown Detroit.

The city's housing commission said Nov. 28 that it is selling the land to Bedrock for \$23 million. More than 20 percent of the units will be affordable housing.

Bedrock is one of the companies run by Quicken Loans founder Dan Gilbert. The deal should finish next year and has to be approved by the U.S. Department of Housing and Urban Development. The former Frederick Douglass Homes had been empty when the last buildings were demolished in 2014.

Diana Ross and Mary Wilson lived there before signing with Motown Records.

# Jeep Wrangler Steps Up Open-Air Freedom

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two-speed transfer case with fulltime four-wheel drive and a 2.72:1 low-range gear ratio that is available on Sahara models, Manlev said. This new Selec-Trac fulltime two-speed transfer case is intuitive and allows the driver to set it and forget it, while constantly sending power to the front and rear wheels.

The Command-Trac 4x4 system features a two-speed transfer case with a 2.72:1 low-range gear ratio, and next-generation solid Dana front and rear axles with a 3.45 rear axle ratio.

The 2018 Jeep Wrangler builds on a sculptural design aesthetic that is immediately recognizable with its traditional Jeep design cues, Manley said. Wrangler's new exterior design is bold and rugged with a wide stance and lowered beltline with larger windows for better outward visibility, especially out on the trails.

The Jeep design team gave the famous seven-slot grille an updated look that now shows both of the outer grille slats intersecting with the headlights, paying homage to the Jeep CJ, Manley said. The top of the keystoneshaped grille has been gently swept back for improved aerodynamics.

The windshield's rake has been optimized for improved aerodynamics and features a new four bolt design at the top of the windshield's frame to allow the windshield to fold down quickly and easily, Manley said. A new header bar now connects the Apillars and stays in place even when the windshield is folded down. This allows the rearview mirror to remain in place even with the windshield folded.

The new 2018 Jeep Wrangler's interior combines authentic styling, versatility, comfort and intuitive feature use. Precision craftsmanship and high-quality materials are found throughout the cabin, Manley said.

Jeep functionality and versatility are celebrated in the center console and distinguished with metal-plated accents. A redesigned center console houses the gear shift selection, transfer case and parking brake. Real bolts featured on the shifter, grab handles and frame the infotainment screen highlight genuine construction methods.

A push-button starter, featuring a weatherproof surround, makes its debut on the 2018 Wrangler and is easily located within the driver's reach.

Two USB ports up front and two in reach of occupants in the back seat connect to the media center. Standard 12-volt accessory outlets are located throughout the new Wrangler and a 115-volt AC outlet is available to power select three-pronged home elec-

Clever storage solutions are found throughout the 2018 Wrangler, Manley said, including durable mesh pockets that extend the entire length of the doors and numerous phone storage areas.

The 2018 Jeep Wrangler receives a multitude of improvements to optimize ride, handling and sound characteristics, while reducing weight and improving fuel economy, Manley said.

# Skilled Trades Training Awards Granted

The State of Michigan's "Talent Investment Agency" (TIA) has announced the recipients of the 2018 Skilled Trades Training Fund (STTF) Awards.

The Macomb/St. Clair Workforce Development Board and the local Michigan Works! Service System said that a total of 24 businesses located in Macomb and St. Clair Counties will receive awards totaling \$1,211,367 to train their workers.

The Skilled Trades Training Fund is a competitive grant that provides an incentive for Michigan Businesses to hire and train new employees and/or to upgrade the skills of their existing employ-

Businesses can apply for up to \$1,500 per employee to subsidize the cost of training their workers, Macomb County spokesman Bob Apczynski said,

and up to \$3,000 per employee apprenticeship create programs that are registered with the U.S. Department of Labor.

Awardees include:

- Choice Mold of Clinton Township, eight incumbent workers, awarded \$4,600.
- Fiat Chrysler of Sterling Heights, 700 new hires. awarded \$525,000.
- Proper Group of Warren, five new hires, 98 incumbent workers, awarded \$85,859.
- Punchcraft of Warren, two incumbent workers, awarded \$2,160.
- Magna Powertrain of Sterling Heights, 14 new hires, incubment workers, awarded \$40,245.
- Precision Boring of Clinton Township, 11 incumbent workers, awarded \$13,800.

- Dominion Technologies of Roseville, 10 new hires, 13 incumbent workers, award ed \$26,965.
- Safie Foods of Chesterfield, 19 new hires, 54 incumbent workers, awarded \$109,500.
- HTI Cybernetics of Sterling Heights, 32 incumbent workers, awarded \$24,234.



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# Chevy Celebrates Century of Pickup Power

Chevrolet is celebrating being in the pickup truck market for 100 years and one of the things being celebrated is torque.

Why? Because torque is power. More specifically, it's the twisting force an engine generates, and for 100 years Chevy Trucks have offered the torque that customers of 85 million trucks have relied on for hauling cargo and pulling trailers, on and off the clock.

"Chevrolet Trucks have pulled their weight for a century," said Dan Nicholson, vice president, Global Propulsion Systems. "Nobody does torque like Chevrolet and generations have counted on our trucks to get the job done confidently."

Chevy Trucks have come a long way from the original 1918 One-Ton model, which featured a 2.8L four-cylinder engine with an estimated 45 lb.-ft. of torque. Its closest contemporary engine is the standard 2.5L four-cylinder engine in the Colorado, which is rated at 191 lb.-ft. of torque, or 76 lb.-ft. per liter - a 480 percent increase over the 1918 engine.

At the far end of the spectrum is the contemporary Silverado 3500HD one-ton truck, with the available Duramax 6.6L turbodiesel V8. Its 910 lb.-ft. of torque equates to an incredible 138 lb.ft. per liter, for great trailering confidence even on tough grades.

"Technological advances such as direct injection and turbocharging help contemporary Chevy Truck engines deliver more torque per liter of displacement than ever," says Nicholson. "That means customers can do more and haul more than ever."

The increase in Chevy Truck capability has been driven over the decades by the enduring performance of several landmark engine families sharing an elegant,



1929 half-ton Light Delivery Pickup with 194-cubic-inch engine.

overhead-valve architecture that contributes to signature low-rpm torque production, reduced complexity and compact packaging.

As the brand celebrate 100 years of trucks, here's an overview of the most significant milestones in Chevrolet torque.

In 1929, Chevy offered the first "Stovebolt Six," which was the automaker's first overhead-valve inline-six engine that brought big torque to the masses.

Displacing 194 cubic inches (3.2L), its all-new design helped generate strong torque at low rpm: approximately 120 lb.-ft. at only 800 rpm. That allowed Chevrolet to increase its worktruck load rating from 1 ton to 1.5

The Stovebolt nickname was based on external fasteners that resembled the bolts on woodburning stoves, but it quickly became synonymous with the engine's durability.

Several generations of Chevrolet's overhead-valve straight-six engine were developed from the original design and served in Chevy Trucks through the late 1980s.

In 1955, Chevrolet's first Small Block V8 was introduced. Its revolutionary overhead-valve V-8 engine - later to be dubbed the Small Block - was offered in the 1955 "second series" truck

lineup. That original 265-cubicinch (4.3L) engine produced 238 lb.-ft. of torque at only 2,000 rpm and evolved into one of the industry's most enduring engine architectures.

About a decade after the Small Block was introduced, Chevy's Big Block engine family also an overhead-valve design debuted, elevating capability to an unprecedented level for gaspowered trucks.

The Small Block is currently in its fifth generation in 2018 Chevy Trucks, while the original Small Block and Big Block families live on as performance crate engines.

In 1987, technology helped build torque and increase efficiency.

Until the early '70s, increased displacement and higher compression were easy ways to build more horsepower and torque. That changed with industry mandates that dramatically affected traditional power-building techniques.

Chevrolet traded high compression for high technology, developing electronic fuel injection that helped restore the torque of previous years with greater efficiency. Torque in the Small Block engine returned to 300 lb.-ft. in 1987 and got another 10 percent increase a few years later, with the 5.7L Vortec Small Block.

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# **Nautilus Aims for Luxury**

CONTINUED FROM PAGE 1

introduction in 2007. Tasteful design, exceptional craftsmanship and room for up to five passengers make it a popular choice for clients in the market for a luxury crossover vehicle, said Galhotra.

The distinctive design of Lincoln Nautilus aligns with the rest of the Lincoln family, presenting a strong, bold signature grille, Galhotra said. "The midsize utility vehicle maintains its unique, sleek shape, offering a harmonious aesthetic and aerodynamic efficiency," he said. A new wheel selection allows clients to order a Lincoln Nautilus to suit their personal style.

Upon approach, Lincoln Nautilus is meant to welcome clients with Lincoln embrace lighting, first from the outside, then from the cabin. Galhotra said.

The new cabin is thoughtfully designed, providing a spacious, modern interior that keeps the focus on comfort and serves as a sanctuary from the outside world, said Galhotra.

Acoustic side glass is added to reduce wind noise for rear passengers, and advanced engineering solutions decrease noise from the road.

Available Ultra Comfort seats can be adjusted up to 22 ways for personalized comfort, providing lumbar massage designed to reduce fatigue.

Developed with input from orthopedic surgeons, this feature is especially beneficial on long trips or while waiting in traffic, said Galhotra. Heated and cooled seats are available on the Reserve model. Available 13-speaker and 19-speaker Revel audio systems are also offered.

The console was designed to open up the cabin, while the sophisticated push-button gear shift integrates seamlessly with classic knobs and buttons, Galhotra said. A concealed wireless charging pad allows compatible smartphones to stay connected.

A large center touch screen serves as the portal to standard SYNC 3 with both Apple CarPlay and Android Auto compatibility, enabling clients to manage audio, phone, navigation and more either from that point or steering wheel-mounted controls.

The leather-wrapped, handstitched steering wheel is mounted ahead of a 12.3-inch fully configurable digital instrument cluster that displays easy-to-read driver information crisply and clearly.

New for 2019 is a suite of Lincoln-first driver-assist technologies.

"The technology in this vehicle is thoughtful and purposeful," said Galhotra. "We focused on bringing in innovative features to make each drive effortless for our clients.'

A suite of new technologies for Lincoln Nautilus includes a lanecentering feature that pairs with adaptive cruise control with stop-and-go functionality to help subtly maintain the vehicle's position in its lane using a combination of radar and cameras, Galhotra said.

The new 2019 Lincoln Nautilus will be available at Lincoln dealers this summer.





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