## NHTSA Hits Fiat Chrysler with Record \$105 Million Fine

DETROIT (AP) - Fiat Chrysler must offer to buy back from customers more than 500,000 Ram

VOL. 83 NO. 30

by Tom Krisher and Johanthan pickup trucks and other vehicles fahey, AP Business Writers in the biggest such action in U.S. history as part of a costly deal with safety regulators to settle legal problems in about two-dozen

The Italian-American automaker also faces a record civil fine of up to \$105 million. In addition, owners of more than a million older Jeeps with vulnerable rearmounted gas tanks will be able to trade them in or be paid by Chrysler to have the vehicles repaired.

The settlement is the latest sign that auto safety regulators are taking a more aggressive approach toward companies that fail to disclose defects or don't properly conduct a recall.

The Ram pickups, which are

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**CONTINUED ON PAGE 3** 

**AUGUST 3, 2015** 

# Detroit Auto Scene®

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Powertrain employees, plus one, attempt to break a pushup world record in Pontiac.

## **GM Powertrain Employees** 'Push' for Guinness Record

The 14th annual GM Power- The pushup event was done train Employee Car show continued an exercise that has become a tradition.

GM spokesman Tom Read said that about 4,000 employees and members of their families attended the show. About 120 employee vehicles were entered into the show. The theme this year was "Celebrating Engine Modifications" and about 6,500 hot dogs were served up and about 330 people participated in the newcar ride and drive demonstra-

And for the third year straight, on July 24, the staff at the Pontiac Powertrain facility gathered en masse to do pushups.

The tradition got its start in 2013 as an attempt to break a world record for largest mass pushup effort as well as emphasize the importance of exercise.

again in 2014, and now in 2015.

"As to the pushup world record attempt," Read said. "A valiant effort was made by over 400. We needed over 600 to break the record. Hopefully persistence will get us there next year. We had 461 qualified participants in the Guinness Book of World Record Pushup attempt (370 participants last year). Unfortunately, we needed over 615 to break the current record."

The vehicle that won the "Car of the Show" was A.J. Kosanka's Top Dragster, said Read. He is a third generation racer and is dragster is "capable of scorching the pavement at 7.4 seconds in the quarter mile at 180 mph."

"Kosanka is an Engine Performance and Valvetrain Analy-

**CONTINUED ON PAGE 2** 

## GM Opens New Test Area to Study Latest Safety Technology

by Jim Stickford

The autonomous car isn't here yet, but starting in model year 2016, GM will be offering a variety of active safety technologies that bring GM a couple of steps closer to developing such a vehi-

The tech was demonstrated at the official opening of the company's new Active Safety Test Area at its Milford Proving Ground on July 24.

Jeff Boyer, vice president of GM Global Safety, was one of the executives on hand to welcome the media to the new facility.

'The newest area at the Proving Ground for active safety is 52 acres," Boyer said. "It's important for us to have such a facility because we set the standard for customer safety."

ford Proving Ground was an incontinue that heritage by having an area at the facility dedicated to testing new active safety tech-

Examples of available crashavoidance technologies for 2016 GM models include:

- City Speed Front Automatic Braking: If the vehicle is traveling at a low speed and the system detects that a front-end collision situation is imminent while following a detected vehicle and the driver has not already applied the brakes, the system automatically applies brakes to help reduce the collision's severity. The system may even help avoid the collision at very low speeds.
- Front Pedestrian Braking: If the system detects that a pedestrian is directly ahead and a collision is imminent, and the driver has not already applied the

brakes, the system alerts the driver and, if necessary, automatically applies the brakes to help reduce the collision's severity or avoid the collision.

- Rear Camera Mirror: Compared to a traditional inside rearview mirror, this rear view mirror display provides a wider, less obstructed field of view to assist when driving, changing lanes, and checking for vehicles and traffic conditions.
- Night Vision: Provides the driver an infrared night vision image of the area lit beyond the headlamps that highlights and provides alerts to detected pedestrians or large animals.
- Curb View Camera: When in Forward gear during low-speed maneuvering (e.g., parking), this system provides the driver a view of the scene immediately Boyer pointed out that the Milahead of the vehicle on the vehicle's center stack display to help dustry first and that GM wants to the driver avoid low-speed collisions into nearby objects, such as curbs, poles, and parked vehi-

Boyer said developing this technology is just the latest in a long line of GM safety efforts over the past half century. He said that it is estimated that 600,000 lives have been positively affected by what GM has done as the company has been at the forefront of safety.

"We developed the collapsing steering column," Boyer said. We even innovated with the development of crash dummies."

One of the best things about his job, Boyer said, is reading the letters he gets from people who have praised GM's safety tech for saving their lives.

Cynthia Bay, director of Active Safety Electronics and Controls, was also at the opening. She said



Pedestrian safety is tested at new GM facility at Milford Proving Ground.

GM's commitment to safety starts at the top.

"As Mary Barra has said, intelligent and connected vehicles are the next generation of automobiles," Bay said. "These technologies are a priority for GM, and for me personally. Every day I drive past a sign on my way to work that lists the number of automotive fatalities in Michigan during the year. And every week that number gets bigger. This technology can help avoid crashes, save lives and reduce the cost incurred if there is a crash. When we take intelligent technology and combine it with cars that 'talk' to each other and the surrounding infrastructure, then we will really see benefits.

Bay said that one of the hurdles that OEMs face is customer acceptance of new technology. Getting them to understand and accept it will depend on the manufacturers' ability to integrate the technology into cars. And that requires a facility dedicated

"24/7" to testing the repeatability of new safety developments.

"The technology we're testing here today will have a real impact on our journey to the intelligent and connected car," Bay said. "The technologies we are developing and testing at this facility are available to our customers across our GM brands. Front Pedestrian Braking will be offered on the 2016 Chevrolet Malibu, and the lowest-priced Chevrolet we offer in the U.S. the new 2016 Spark - has available Lane Departure Warning and Forward Collision Alert.'

The new Active Safety Test Area concentrates the company's active safety testing into one, state-of-the-art site. It fea-

- A 16-acre dynamics pad for testing a variety of robot-controlled and automated vehicles.
- Highway simulation with six lanes, on/off ramps, controlled

**CONTINUED ON PAGE 5** 

## Ford F-150 Gets **Mixed Marks** From IIHS

DETROIT (AP) – Ford's new aluminum-sided F-150 pickup saw mixed results in new crash tests by the insurance industry, and the damaged trucks cost more to repair than steel-bodied

The four-door Super Crew version of the 2015 F-150 got top ratings in all five of the crash tests performed by the Insurance Institute for Highway Safety (IIHS). For now, it is the only full-size truck on the market with the institute's "Top Safety Pick" rating.

But the Super Cab version. which has a smaller rear door and back seat, did poorly in a small front overlap test, which slams 25 percent of the front of the truck into a barrier at 40 miles per hour. It didn't earn the top safety award.

The IIHS also said it took longer for a local Ford dealer to repair the aluminum truck than an older steel one, and the aluminum parts cost more. The institute said the repair costs were 26 percent higher for the aluminum-bodied truck.

In a statement, Ford said the new truck is the "safest F-150 ever" and noted that it has the government's highest five-star safety rating. But the company said it will make a design change in the 2016 model year to improve the crash performance of the Super Cab and Regular Cab models.

Ford said the Super Crew which got the top safety award accounts for 83 percent of all F-150 sales. The Super Cab makes up around 12 percent and the Regular Cab accounts for 5 per-

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## Georgia Judge Cuts Damages in Chrysler Lawsuit

(AP) DETROIT - A Georgia judge has cut the damages that Fiat Chrysler must pay the family of a child who died in a Jeep SUV fire from \$150 million to \$40 million.

Decatur County Superior Court Judge J. Kevin Chason also denied Fiat Chrysler's motion for a new trial, dismissing arguments that jurors acted irrationally in the case.

In a ruling issued July 24 and made public July 28, Chason decided that the family of 4-yearold Remington Walden should get \$30 million for his death and \$10 million for pain and suffering. The ruling was accepted by the family's attorneys and opens a path for Fiat Chrysler to appeal. FCA said in a statement that the ruling doesn't cure errors that tainted the verdict and denied it a fair trial, and that it's considering legal options.

Walden died after the Jeep Grand Cherokee driven by his aunt in Bainbridge, Ga., was hit from behind in March 2012 and exploded into flames. The Jeep's gas tank was mounted behind the rear axle, leaving it vulnerable in a rear crash.

A 12-person jury found Fiat Chrysler negligent and asked for \$120 million for wrongful death and \$30 million in pain and suffering following a seven-day trial in the rural southwestern Georgia community in early spring.

Earlier in July, FCA attorneys sought during a hearing to cut the judgment to \$5 million to bring it in line with court-approved judgments in other Georgia cases. The attorneys contended that jurors acted with passion and prejudice against the Italian-American automaker, and they were irrational.

Chason, however, rejected those arguments, writing in his ruling that the evidence against FCA was overwhelming. He wrote the court saw nothing to indicate that the jurors were inflamed or irrational.

Jim Butler Jr., the attorney for the parents of the victim, Remington Walden, told Chason during the hearing that \$40 million for the wrongful death and \$10 million for pain and suffering seemed fair.

At least 75 people have died in post-crash fires involving several Jeep models with the rearmounted gas tanks. The problem has led to the recall of 1.56 million Grand Cherokees and Libertys to install trailer hitches to protect the tanks in low-speed crashes. FCA says the Jeeps are as safe as comparable SUVs from the same era.

Earlier in the same week, FCA agreed in a deal with government safety regulators to offer \$100 gift cards to entice owners of recalled Jeeps into taking their SUVs to dealers to get hitches installed.

The company also agreed to offer \$1,000 above market value trade-in prices on a new vehicle to those who own 1993 to 1998 Grand Cherokees.

## **GM Powertrain Employees Take Part in Annual Event**



Powertrain employee Jeff Matas, with daughter Kayla.

**CONTINUED FROM PAGE 1** 

sis Engineer and has worked for GM for three-and-a-half years," Read said. "He owns a points championship at Summit Motorsports Park and an IHRA Division 5 Super Pro championship. Driving skill and quick reaction times are essential for success in the Super Pro Bracket Class. The engine has 9.5L of displacement.

That converts to an old school 582 cubic inches coming from a 4.6-inch bore and 4.375-inch stroke.

A list of race-specific content would include practically everything but some items of note include a Dart block, Callies forged crank and Edelbrock CNC'd

Engine output rates at a mere 1050 horsepower with another



A.J. Kosanka's dragster took the show's top prize.

shot of Nitrous Oxide. Power to weight figures out to 0.57 with the vehicle coming in at 1850 lbs.

Overall, Read said, the event was enjoyed by GM employees and their families.

The event gives powertrain

250 capable from an on-demand employees the opportunity to show off their classic cars to their colleagues and their families on a pleasant summer day, Read said.

And as for the pushup record, Read said that there's always next year for the employees at the Powertrain facility.

## Arts, Beats & **Eats Festival**

Now in its18th year, Ford Arts, Beats & Eats presented by Soaring Eagle Casino & Resort will once again bring an exciting and varied lineup of national and local musical acts to the streets of Royal Oak on Labor Day weekend, Sept. 4 - 7, said event spokesman Jeff Corey.

A key attraction of the event, the festival's "beats," will entertain thousands of visitors from across the region with performers from nearly every musical genre, Corey said.

As one of the nation's premier juried art shows, the Juried Fine Art Show again will be a highlight of this year's festival, with top artists from the across the continent vying for cash awards totaling \$7,500, Corey said. The Juried Show will showcase art in a variety of mediums, including ceramics, digital art, drawing, fabric/fiber/leather, glass, graphics/printmaking, jewelry, metal, mixed media 2D, mixed media 3D, painting, photography, sculpture, and wood.

On the Eats part of the show, there will be more than 50 Detroit area restaurants participating in this years festival, Corey

Beaumont Hospital's And Healthy Option program proved to popular last year, it is returning to the festival this year.

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## NHTSA Hits Fiat Chrysler with Record \$105 Million Fine

**CONTINUED FROM PAGE 1** 

the company's top-selling vehicle, have defective steering parts that can cause drivers to lose control. Some previous repairs have been unsuccessful, so Fiat Chrysler agreed to the buyback, according to the National Highway Traffic Safety Administration. Owners also have the option of getting them repaired, the agency said in documents released Sunday.

The older Jeeps have fuel tanks located behind the rear axle, with little to shield them in a rear crash. They can rupture and spill gasoline, causing a fire. At least 75 people have died in crash-related fires, although Fiat Chrysler maintains they are as safe as comparable vehicles from the same era.

Both the Jeep and Ram measures are part of a larger settlement between the government and the automaker over allegations of misconduct in 23 recalls covering more than 11 million vehicles. Besides the civil penalty, which was reported Saturday by The Associated Press, Fiat Chrysler agreed to an independent recall monitor and strict fed-

in NHTSA's effort to right itself after being criticized for lapses in some highly-publicized safety recalls.

"Today's action holds Fiat Chrysler accountable for its past failures, pushes them to get unsafe vehicles repaired or off the roads and takes concrete steps to keep Americans safer going forward," Transportation Secretary Anthony Foxx said in the statement.

In a separate statement, Fiat Chrysler said it accepted the consequences of the agreement 'with renewed resolve to improve our handling of recalls and re-establish the trust our customers place in us."

NHTSA has been involved in vehicle buybacks in the past, but never one of this size. A buyback usually happens when a problem is so serious that it can't be fixed and the vehicles need to be removed from service.

Under the agreement, Fiat Chrysler has to buy back the Ram trucks for the purchase price, minus depreciation.

It's unclear just how many Rams the automaker will have to repurchase, but the cash outlay

could be substantial. According to Kelly Blue Book, a 2010 Dodge Ram 1500 – one of the smaller. less-expensive trucks involved in the recalls – could fetch \$20,000 in a dealer trade-in, assuming the truck has 60,000 miles on it and is in "good" condition. At that rate, if Chrysler had to buy back even a quarter of the trucks at issue, it could spend \$2.5 billion.

Fiat Chrysler said more than 60 percent of the trucks already have been fixed, and the company is allowed to repair and resell the trucks it buys back.

The Jeep trade-ins will add to the tab, and the total could strain parent company, Fiat Chrysler Automobiles NV. The company posted a first-quarter

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net profit of \$101 million and had more than \$20 billion in cash and securities on March 31.

The consent order that Fiat Chrysler agreed to requires it to notify owners who are eligible for buybacks and other incentives.

Models included in the buyback offer are certain Ram 1500s from 2009 to 2012; the Ram 1500 Mega Cab 4 by 4 from 2008; and the Ram 2500 4 by 4, 3500 4 by 4, 4500 4 by 4, and 5500 4 by 4, all from 2008 through 2012. Also part of the offer are 2009 Chrysler Aspen and Dodge Durango SUVs and the Dodge Dakota pickup from 2009 through

The fine against FCA beats the old record of \$70 million assessed against Honda Motor Co. for lapses in recalls of air bags made by Takata Corp.

Fiat Chrysler also received a \$70 million fine, and must spend at least \$20 million to meet performance requirements detailed in the agreement. Another \$15 million could come due if the recall monitor finds any further violations.

Earlier this month the safety agency held a rare public hearing where regulators detailed a litany of shortfalls: failure to notify customers of recalls, delays in making and distributing repair parts and in some cases failing to come up with repairs that fix the problems. Some of the recalls back date to 2011.



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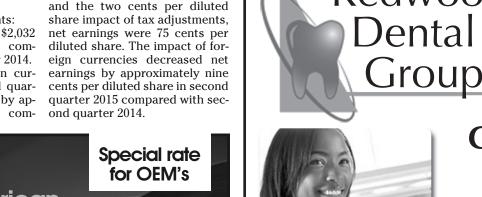
er Inc. on July 30 reported second quarter 2015 U.S. GAAP net earnings of 65 cents per diluted share, said company spokesman Ken Lamb. Excluding non-comparable items, net earnings were 75 cents per diluted share. Net sales were \$2,032 million in the quar-

Second Quarter Highlights:

- U.S. GAAP net sales of \$2,032 million, down 7 percent compared with second quarter 2014.
- The impact of foreign currencies decreased second quarter 2015 net sales growth by approximately 11 percent com-

Auburn Hills-based BorgWarn- pared with second quarter 2014. Excluding the impact of foreign currencies, net sales were up 4 percent compared with second quarter 2014.

• U.S. GAAP net earnings of \$0.65 per diluted share. Excluding the eight cents per diluted share impact of restructuring ond quarter 2014.













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## **Mopar Racing** Wins Awards at NHRA Nationals

"Fast Jack" Beckman powered to his third career Funny Car crown at the Mopar Mile-High NHRA Nationals on July 26, running the record of the new 2015 Mopar Dodge Charger R/T Funny Car to a dominating 11 victories in 14 events this season. In Pro Stock, Allen Johnson scored a runner-up finish after racing to his ninth consecutive final round at Bandimere Speedway — and taking part in a "burndown" for the ages.

The victory was Beckman's fourth of the year, a career best win total for a single season with 10 events still remaining. The triumph was also the 19th of his career, moving him to tenth on the all-time Funny Car win list past Ed McCulloch, Mark Oswald and active drivers Tim Wilkerson and teammate Matt Hagan. In addition, drivers piloting a new 2015 Mopar Dodge Charger R/T Funny Car have reached the final round at 13 of 14 events this season.

"On behalf of everyone at Mopar I would like to congratulate Jack Beckman on his fourth victory of the season with the title win at our marquee event," said Pietro Gorlier, president and CEO - Mopar Brand Service, Parts and Customer Care, FCA. "To see the 2015 Mopar Dodge Charger R/T Funny Car drive to the winner's circle for a 11th national title this season is really exciting and reaffirms our dedication to providing quality products that translate to success on the track for our drivers."

Beckman led the Mopar NHRA Funny Car squad both in qualifying and on race day. Starting third, "Fast Jack" opened up his day against Todd Simpson. The 2012 Funny Car champ smoked the tires but was able to reel in his 2015 Mopar Dodge Charger R/T to score a winning 4.587/270.92.

## **Mopar Racers Earns Kudos for Lifetime Efforts**

During five decades of drag racing, Don Schumacher has collected plenty of awards. His latest is among the most special.

At the NHRA Mopar Mile-High Nationals near Denver, the racing legend joined the select group that has received the Mopar President's Award — an honor reserved for those who have made outstanding contributions to Mopar's legacy.

A one-of-a-kind plaque, created to commemorate the achievement, was presented to Schumacher July 26 by Ross McGinnis, vice president of Mopar Sales and Product Development, and Tricia Hecker, head of Mopar Marketing.

The award was just one part of Schumacher's good weekend at Bandimere Speedway. Don Schumacher Racing Funny Car driver "Fast Jack" Beckman wheeled his 2015 Mopar Dodge Charger R/T to the event championship. It marked the 11th time in 14 events this NHRA season that a Don Schumacher Racing driver took home the Funny Car trophy.

But the man known as "The Shoe" in racing circles is accustomed to winning.

Schumacher's racing career got rolling in the late 1960s and early 1970s. He captured the 1970 U.S. Nationals crown behind the wheel of a Plymouth 'Cuda Funny Car.

His driving record includes five NHRA national event wins. What really cemented Schumacher's driving legacy, though, was his knack for winning match races - "The Shoe" won about 70 percent of 560 match races between 1968 and 1974.

## **GM Opens Tech Safety Facility in Milford**

lanes, on/off ramps, controlled lighting and road signs that represent specifications around the

- A parking test area with different curb types and landscaping detection.
- Pedestrian test area with a 90-degree traffic intersection and specially designed rig for accurate dummy movement.
- Simulated tunnel with walls

A building for observation, indoor testing, hoists for test preparation and a robotic control station.

Bay said the facility is ideal for testing vehicle-to-vehicle (V2V) technologies, which will be standard on the 2017 Cadillac CTS.

The V2V dedicated short-range radio communication enables vehicles to "talk" to each other and exchange basic safety data such as speed, location and braking status. It complements existing safety components like radar, camera and ultrasonic sensors; some of the components rigorously tested at the new Active Safety Test Area facility, in a fast and efficient way.

The facility is also used to assess performance in regulatory and insurance industry consumer metric tests, such as those conducted by the National Highway Traffic Safety Administration (NHTSA), Euro New Car Assessment Program (NCAP), the Insurance Institute for Highway Safety (IIHS) and others.

Mark Reuss, executive vice President, Global Product Development, Purchasing and Supply, was also at the facility opening. He said the real story take away from the opening of the new facility within the Milford Proving Ground is that the work GM is doing to create safer vehicles is extremely important.

GM is passionate about safety, Reuss said, and that customers demand safety and it's GM's job to meet customer demands.

Reuss also answered some questions from media attending the facility opening. In response

## Delphi Reports Strong Earnings For 2nd Quarter

NEW YORK (AP) - Delphi Automotive on July 30 reported a 69 percent surge in second-quarter profit, beating Wall Street expectations, and disclosed it is buying HellermannTyton Group to boost its auto technology offerings.

The vehicle parts maker said its net income rose to \$645 million, or \$2.23 per share, mainly on the sale of its thermal business. Earnings, adjusted for onetime gains and costs, came to \$1.34 per share.

The results surpassed Wall Street expectations. The average estimate of nine analysts surveyed by Zacks Investment Research was for earnings of \$1.33 per share. The company's revenue fell 5 percent to \$3.86 billion in the period as a stronger U.S. dollar cut into sales. Seven analysts surveyed by Zacks expected \$3.88 billion.

Delphi will pay about \$1.85 billion, for Hellermann, which makes cable fasteners and equipment.

"With consumers now demanding more connectivity in their vehicles, electrical architecture is the enabler to that added vehicle content." said Kevin Clark, Delphi president and CEO, in a statement. "HellermannTyton positions Delphi to provide customers with an even broader portfolio of highly engineered and customized connection systems and cable management solutions."



Active Safety Robot Engineer Anthony Cullen prepares a test at the new

to where he thought GM would be in the year 2020, Reuss said that in the past the company has made great strides in passenger safety through restraints and airbags. In 2020, the technology will be concentrated on accident avoidance.

"If we're on top the regulatory game in the U.S., a lot of this technology will be mandated by 2020," Reuss said. "The resources needed to meet such regulations will be in demand and the resources OEMs will have to deploy will be more. We'll need more software. When happens, we'll get economies of scale and costs should go down."

Reuss also spoke to the media about software security. He said that will be a huge issue and noted that very day, Fiat Chrysler announced a vehicle recall because of the potential of hackers taking control of Jeeps.

He said GM has looked at how the military and the aviation industry create secure software systems to be develop vehicles that can't be hacked.

When asked about Google's development of an driverless car, Reuss said that GM is in the business of making cars and Google

"We're at a different starting place," Reuss said. "For one thing, we have a deep and intimate knowledge of accidents and accident avoidance."

And GM has to keep building cars no matter the level of autonomous car technology avail-

Reuss also said that being an industry leader in safety technology means doing more than throwing things out before the public to see if they like the tech isn't' the best way.

"We'll know we're doing it right when we offer safety features and people tell us that can't live without them," Reuss said. "The marketplace and our customers will tell us if our plans are going

"Now, we'll add technology as part of a refresh in the middle of a product cycle. We will do safety refreshes because we want to lead."



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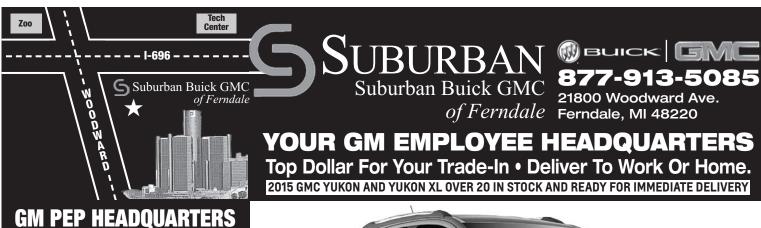
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## Average Age of Vehicle is 11.5 Years Old

DETROIT (AP) - In the age of Apple's CarPlay, a lot of vehicles on the road still have tape decks.

The average vehicle in the U.S. is now a record 11.5 years old, according to consulting firm IHS Automotive, a sign of the increased reliability of today's vehicles and the lingering impact of the sharp drop in new car sales during the recession.

Drivers behind the wheel of older cars aren't enjoying some of the latest advanced safety features or infotainment systems that effectively turn cars into cellphones on wheels. Then again, they don't have to worry about hackers finding their way in to the car's computer network through the cassette or CD player.

IHS said U.S. registrations grew to a record 257.9 million cars and trucks, up 2 percent from a year

The average age of vehicles has been climbing steadily since IHS began tracking the number in 2002. As quality and reliability have improved, people have been holding on to their cars and trucks for longer. The average length of ownership for a new vehicle is now almost 6.5 years, IHS said. For a used vehicle, it's five years.

Cars and trucks now have the same average age, says Mark Seng, IHS Automotive's global aftermarket practice leader. For many years, cars had shorter lifespans than trucks, but their quality has now caught up.

Experts say there's no rule for how long to hold on to an old car or truck. A car with good reliability can go for 200,000 miles or more, which can easily last a decade for some motorists, says Doug Love, a spokesman for Consumer Reports.

The magazine doesn't recommend driving older cars without two key safety features introduced more than a decade ago: electronic stability control and side curtain air bags.

The aging car population could mean that Americans will be slow to adapt safety and semiautonomous features that have car company executives and experts heralding a new age of the automobile. Adaptive cruise control arrived in the U.S. market in 2006, for example, but nine years later only 6 percent of all cars have it, according to a recent report from Boston Consulting Group. It will also take longer for much-hyped advances like CarPlay - which gives drivers access to their apps through the dashboard - to become commonplace.

But Seng says the auto industry should take heart. Even though the average vehicle age shows no sign of reversing, it is starting to plateau, since buyers have returned to the car market in big numbers.

Sales of new cars rose from 12.7 million in 2011 to 16.5 million last year and are expected to reach or exceed 17 million this year. IHS thinks the average vehicle age will hit 11.6 years in 2016 but won't climb to 11.7 years until 2018.

Seng says that's a more normal rate than the industry saw in the years after the recession. Vehicle age increased rapidly between 2008 and 2013, since more people were keeping older cars. In 2008, the average age of cars and trucks in the U.S. was 10 years; by 2013, it was 11.4 years, or 14 percent higher.

## **Johnson Controls** Separates its **Auto Division**

MILWAUKEE (AP) - Johnson Controls says it will spin off its automotive division into a separate publicly traded company as it continues to wine down its business.

The company said July 24 that it expects to complete the taxfree spinoff in about a year.

The business makes seats and seating components, trim, foam and fabric and it had \$5.4 billion in revenue in Johnson Controls' latest fiscal quarter.

That's most of the company's revenue. Johnson Controls said in June that it was looking at options for separating the busi-

The Milwaukee-based companv said its vice chairman Bruce McDonald will be the chairman and chief executive officer of the new company. Johnson Controls executive Beda Bolzenius will be its president and chief operating officer.

Bolzenius is currently president of the business and is also vice chairman of Johnson Controls' Asia Pacific unit.

Johnson Control's automotive interiors business, which makes instrument panels, floor consoles and door panels, recently became part of a joint venture between Johnson Controls and Yanfeng Automotive Trim Systems of China. Yanfeng owns 70 percent of the joint venture, and it's expected to have about \$8.5 billion in annual revenue.

In March Johnson Controls agreed to sell a business that manages spaces for corporations to CBRE Group Inc. for \$1.48 billion.

Its revenue slipped 2 percent to \$9.61 billion, as automotive revenue fell 6 percent.

Revenue from the heating and ventilation systems business rose 5 percent to \$2.73 billion and revenue from its automotive battery business fell 2 percent to \$1.47 billion.





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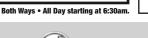
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## GM South America Names Barry Engle as President

Jaime Ardila, General Motors executive vice president and president of South America is retiring after nearly three decades at the company.

Barry Engle, a seasoned automotive executive and currently chief executive officer of Agility Fuel Systems, will join GM in September and succeed Ardila, said GM spokesman Dave Roman.

"We appreciate Jaime's years of dedicated service and significant contributions in his many roles in North America, Europe and South America," said GM president Dan Ammann. "We have made tremendous progress in South America under his leadership and I thank him for the support and strategic counsel he has given me over the past four years.'

"It has been an honor and a privilege to work for this great company for almost three decades and meet some of the best people in the industry," said Ardila. "More than ever, I am convinced GM has the resources to be the most valued automotive company in the world: great leadership, product excellence, total customer focus and a winning mentality.'

Ardila recently has led the company's efforts to grow Chevrolet through a renewed product lineup with a focus on technology, fuel-efficiency and quality.

As part of this product overhaul, he also has led an initiative to raise the percentage of component localization for cars made in Brazil, Ardila, 60, has held his current position since 2010. He began his career with GM in 1984 in Colombia.

In his new role, Engle will be responsible for operations in



Barry Engle

Brazil. Argentina, Paraguay, Uruguay, Chile, Peru, Colombia, Ecuador and Venezuela. He will also become a member of the GM Executive Leadership Team, reporting to Ammann.

"Barry brings a wealth of leadership, global perspective and previous automotive experience to this significant position in our company," said Ammann. "He also has valuable operations experience in the Brazilian market from earlier in his career.'

"I'm very excited to join the General Motors team and return to an industry that I love," said Engle. "I'm particularly looking forward to working with my colleagues in South America as we manage through some near-term macro challenges while building and positioning the business for continued long-term leadership in the region.'

Engle, 51, holds a Bachelor of Arts in Economics, with a minor in Spanish, from Brigham Young University and a Master of Business Administration from The Wharton School of the University of Pennsylvania.



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