



Reviews

THIS MONTH:

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# Species wings & Wheels

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Welcome to the April / May 2013 issue of Speedi Wings & Wheels.



Take a look at our 'Content's page to find out more about what's in this issue. The magazine is published bi-monthly during the last week of February, April, June, August, October and December. Follow SpeediiTV on Twitter to keep up to date when future issues are published.



In this issue we've a photo montage feature of the world's second largest general aviation event - Sun 'n Fun - from Lakeland in Florida

Drag racing features twice in this issue. The main feature is a visit to the 44th annual Gatornationals from Gainesville, Florida

Balloons take center stage at the New Smyrna Balloon & Sky Fest

Take a look at the next page - the magazine index - to find out more

Blue Sky's and Safe Flying.

The Speedi Team

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Speedi Wings & Wheels is a wide screen format magazine Best viewed in full screen single page HD mode

Photo: A380 Airbus - courtesy of Airbus

## 7 Fun in the Sun - 20 pages



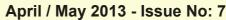
Spacecoast Stars

**82** Wheelspin Wonders











Fun in the Sun: Flying 'fun in the sun' takes place each year at Sun 'n Fun, in Lakeland, Fla..

**Spacecoast Stars:** The annual TICO air show from the Spacecoast Regional Airport, at Titusville, Fla.,

**51 Garlit's Garage:** Don Garlit is a legend in drag racing. Here's some cruisin' fun at his drag race museum

**82** Wheelspin Wonders: Gainsville Raceway, Fla., hosted the 44th annual NHRA Gatornationals

96 Up, Up & Away: The New Smyrna Balloon & Sky Fest has grown and grown in recent years

**122** Bike Week Spectacular: A special 33 page Speedi Wings & Wheels supplement from Daytona Beach

#### **Regular Features:**

**AvNews:** Snippets of aviation related news

**Speedi's Blog:** Steve Wood looks at 'what's hot and what's not' in the world of aviation

News from the Barn: News of the events & 'happenings' at Spruce Creek Fly-in.

Nose Art & Numbers: Readers fun machines

**AutoNews:** Top titbits of Auto News

Gone Cruisin': Hot Rods & Cruisers and more . . .

112 **SpeediCity:** Fun and action from Daytona Beach

#### ZENITH INTRODUCES NEW **DESIGN AT SUN'N FUN**

Sun'n Fun Fly-In (Lakeland, FL)

Zenith Aircraft Company is introducing its new light aircraft design at the Sun'n Fun Fly-in. The all-metal two-seat CH 750 Cruzer is the latest design from Chris Heintz. While influenced by its well-known STOL predecessors (the STOL CH 701 "Sky Jeep," CH 750, and fourseat CH 801 sport utility aircraft), the CH 750 Cruzer is an all-new design.

"Our STOL CH 750 design has been a huge success in large part thanks to its easy cabin access, fantastic visibility, and for its room -- side-by-side comfort for two adults," says Sebastien Heintz, president of Zenith Aircraft Co. of Mexico, Missouri. "However, many customers do not need off-airport capability or extreme STOL (short take-off and landing) performance. We've optimized the new design for cruise and typical (airport) operations, while retaining the popular cabin features of the STOL CH 750."

The Zenith CH 750 Cruzer features an all-new airfoil supported by a single streamlined strut. Compared to the STOL CH 750, the empennage has also been redesigned for its new mission, with a symmetrical stabilizer and a shortened horizontal tail span. The vertical tail features a fin and rudder (replacing the traditional all-moving mph, rate of climb is 1,200 fpm, and vertical tail design of the Chris Heintz STOL series).

In keeping with its mission, the Cruzer is fitted with 5.00 x 5 aircraft firewall as the STOL CH 750 and wheels and new wheel fairings. The the low-wing Zenith CH 650, instrument panel of the new design - The CH 750 Cruzer has arrived! is also wider and more conventional than the STOL CH 750 (that has a narrower instrument panel to improve forward visibility in extreme nose-high attitudes associated with STOL flying).

> "We've retained some of the most popular features of the STOL CH 750, while optimizing the new design for cross-country flying," says Heintz.

The Zenith CH 750 Cruzer



introduced at Sun'n Fun was flown to the show by Heintz (1,000 miles from the factory in Missouri) and is equipped with the UL350iS 130-hp fuel-injected UL-Power engine and the latest Dynon SkyView glass panel display system.

As equipped, the aircraft weighs 780 lbs., providing a useful load of 540 lbs. at the 1,320 lbs. LSA gross weight limit. Cruise speed is 118 stall speed is 39 mph.

The new design utilizes the same meaning existing firewall-forward engine packages are readily available, including the Continental O-200, Rotax 912 series, Viking (Honda), Jabiru, Corvair, and others.

Complete airframe kits for the new design are offered by Zenith Aircraft Company. As with other all-metal Zenith kits, this newest model will be built using the latest modern manufacturing (CNC) technology to offer matched-hole assembly throughout. The new

> easy-to-build kit draws upon Zenith's decades of experience in the kit industry, requiring under 400 hours to assemble the airframe from the kit (requiring only basic skills and simple hand tools). A quick-built kit option will also be available.

Component kits are scheduled for delivery starting next month. As with other Zenith designs, blueprints (drawings and illustrated photo assembly manuals) will also be available separately for scratchbuilders.

Zenith Aircraft Company will be releasing both building (kit assembly) and flying video clips of the new design shortly on its website, as well as detailed design data and kit and options pricing information: www.zenithair.com



Fresno, CA - April 2013 - At 20 years old, Jack Wiegand is preparing dream, making history, and giving for the flight of his life to break the Guinness World Records<sup>TM</sup> title, something he has been working toward since his first flight at the age Big Brothers Big Sisters of 13. In May 2013, this recordbreaking journey will take him from his home in Fresno, California, to exotic destinations he has dreamed of since childhood. Rome, Egypt, Bangkok and Tokyo are only a few of the locations he will travel to on his flight around the world.

on his 13th birthday when he piloted his first introductory glider. On his 14th birthday, he became the youngest pilot in the Central California Soaring Club to solo a glider, and when Jack was 16, he soloed his first single-engine power plane. Now 20 years old, Jack plans to break the Guinness World Records<sup>TM</sup> title in May 2013 by becoming the youngest person to fly solo around the world.

Jack is realizing his childhood back to two non-profit organizations close to his heart:

International Agri-Center Ag Warriors

Beginning in May, Jack will take off in a Mooney Ovation2 GX airplane from his hometown of Fresno, California, and fly approximately 21,000 nautical miles, visit 14 countries, make 24 stops, cross three Jack's journey to make history began oceans in no more than 50 days, and will become the youngest pilot to fly solo around the world. The route:

Destination Arrival

- 1 Fresno CA, USA -
- 2 Boulder CO, USA May 1, 2013
- 3 New York NY, USA May 2, 2013
- 4 Iqaluit Baffin Region, Canada May 4, 2013
- 5 Nuuk, Greenland May 5, 2013

- 6 Reykjavik, Iceland May 7, 2013
- 7 London, England May 9, 2013
- 8 Rome, Italy May 11, 2013 9 Crete, Greece May 13, 2013
- 10 Cairo, Egypt May 15, 2013
- 11 Dubai, UAE May 18, 2013
- 12 Mumbai, India May 21, 2013
- 13 Chittagong, Bangladesh May 22, 2013
- 14 Bangkok, Thailand May 23, 2013
- 15 Manila, Philippines May 24, 2013
- 16 Okinawa, Japan May 25, 2013
- 17 Kobe, Japan May 27, 2013
- 18 Asahikawa, Japan May 30, 2013 19 Petropavlovsk, Russia May
- 31, 2013
- 20 Adak AK, USA June 1, 2013
- 21 Anchorage AK, USA June 3,
- 2013
- 22 Ketchikan AK, USA June 4, 2013
- 23 Seattle WA, USA June 5, 2013 24 Fresno CA, USA June 6, 2013
- Jack's website click here

## Eagle News from Embry Riddle Aeronautical University

www.speedi.tv

**World's First Commercial Space** Operations Degree OK'd for Liftoff at Embry-Riddle

**Rapidly Expanding Commercial Space Sector Means Job Opportunities for Graduates** 

Daytona Beach, FL, March 26, 2013

#### **Space Operations Degree**

This fall, students can take their place at the forefront of one of the nation's fastest growing industries following Embry-Riddle Aeronautical University's approval of the world's first degree program in Commercial Space Operations.

The new bachelor of science degree program, offered by the College of

Aviation at the Daytona Beach, Fla., leadership, faculty, and students," campus of the world's largest accredited aviation and aerospace academic institution, will supply the commercial spaceflight industry with skilled graduates in the areas of space industry." space policy, operations, regulation and certification, as well as space flight safety, and space program training, management and planning.

Plans for the program were first announced Feb. 6 at the 16th FAA **Annual Commercial Space** Transportation Conference in Washington by Embry-Riddle Chief Academic Officer Richard Heist.

**Program Coordinator Lance** Erickson and Student Researcher Rebecca Zgorski. It was approved by Embry-Riddle's Board of Trustees on March 22 and will begin safety, program and project in the fall.

Behind the Degree's Launch

"The Commercial Space Operations degree is the culmination of a total effort by the College of Aviation's

Graduates of the new degree program will have the qualifications needed to fill jobs in management, training and education, policy, planning, human factors, regulation, flight planning and operations. The program links Embry-Riddle's expertise in aerospace education with the needs of commercial space industries and regulatory agencies.

> "When we were planning this degree, our advisers from the commercial space industry, including SpaceX, said they couldn't wait to hire our graduates," Erickson said. "It is one of the most innovative nonengineering degrees in the aerospace industry."

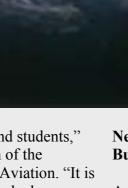
Six New Degrees at Embry-Riddle **Meet Growing** 

Needs in Aviation, Space, Global **Business** 

said Tim Brady, dean of the campus's College of Aviation. "It is also gratifying to have had tremendous help and support of the

Among the members of an industry council that advises the College of Aviation, Brady singled out Kennedy Space Center Director Robert Cabana for his role in articulating the need for the new Embry-Riddle degree and helping to develop it.

Job Outlook



**April 8, 2013** Six New Degrees Approved

Embry-Riddle Aeronautical University's Board of Trustees has approved six new undergraduate and graduate degree programs at the university's Daytona Beach, Fla., Prescott, Ariz., and Worldwide campuses. Building on Embry-Riddle's strengths in aviation, aerospace, engineering and business, the degrees will educate professionals in aviation finance,

aviation security, commercial space operations, engineering management, global business and unmanned systems engineering.

#### NEW BACHELOR'S DEGREES:

Aviation Security (Worldwide Campus)

As the world's leading aeronautical university Embry-Riddle seeks to be the primary provider of aviation security education with the introduction in July of the world's first online bachelor's degree in aviation security. The degree will also be offered in the classroom setting at selected Worldwide Campus education centers. The degree will prepare students for careers as security professionals with the Transportation Security Administration, U.S. Air Force security police, airport security and police, airline security and corporate aviation security.

**Commercial Space Operations** (Daytona Beach Campus) The commercial spaceflight industry is expanding with NASA's commercial cargo and crew development programs and entrepreneurs developing capabilities for suborbital spaceflight, orbital space habitats, space resource prospecting and other commercial ventures. Embry-Riddle's degree, the world's first, will supply this industry with skilled degree program, starting in fall graduates in the areas of space policy, operations, regulation and certification, space flight safety, space program training, management and planning. Classes start this fall.

Global Business (Prescott Campus)

Embry-Riddle's degree will equip students with the business and technology skills and multicultural, political and economic awareness needed for success in today's globally interconnected society. Students can concentrate in language management, Embry-Riddle's and culture – specifically Arabic, Chinese or Spanish – aviation and aerospace, or both. They will study international cultures, focusing on the values and business practices of emerging markets. Graduates will help their employers take advantage of global market growth and joint venture opportunities, working as management analysts, international sales representatives, international financial analysts, market research analysts, interpreters or entrepreneurs. The program begins in fall 2014.

#### **NEW MASTER'S DEGREES:**

Aviation Finance (Daytona Beach Campus) With the growth of aircraft leasing and airplane fleet financing, new opportunities have arisen for professionals who know the operating environment of the global air transportation industry and have the financial expertise and analytical skills to help manage a firm's commercial, economic and monetary strategies. Embry-Riddle's new 2013, will focus on advanced air transport economics, international aviation finance and aircraft and airliner leasing. Graduates will work in the international banking, energy, finance, insurance, risk management, leasing and aviation/aerospace industries.

**Engineering Management** (Worldwide Campus) Technical corporations need individuals who understand the organization's technical work and can successfully manage those who do that work. Bridging the gap between engineering and degree will prepare technical professionals to advance their careers in management. Depending on their career objectives, students will be able to pursue a concentration in financial management, leadership, logistics and supply chain management, management, project management, systems engineering or aviation/aerospace management. The program, which starts in August, will be offered online and at selected Worldwide Campus education centers.

Unmanned and Autonomous Systems Engineering (Daytona Beach Campus) The revolution in autonomous vehicle systems has created tremendous pockets of economic growth as manufacturers explore civil and commercial UAS applications ranging from law enforcement, search and rescue and border security to Earth observation, agriculture and communications. Embry-Riddle's degree, which starts this fall, prepares students to design, develop and support systems ranging from remote control to full autonomy. The program covers the engineering of all autonomous vehicles, including fixed-wing and rotary-wing aircraft, boats, submarines and ground vehicles.

For more information, visit http://www.embryriddle.edu,



UN 'N FUN takes place can affect things. Poor each Spring, around Easter time at Lakeland, Florida, This vear the show started on Tuesday 9 April and ended on Sunday, 14 April.

Sometimes the weather is good, sometimes not so good. It's not only the

weather elsewhere in the US will limit the number of planes attending. This was the case this year. **However visitor numbers** were up 5% on last year. That is apart from the Friday when poor weather at Lakeland reduced visitors that day by 5%.

**Our East Coast** Correspondent, Gary Rosier, went along for his first experience of the second largest general aviation event in the world.

There was action too at the seaplane Splash In at Lake Agnes - home of Kermit Week's Fantasy of Flight.

to this 3 day side show to the main event.

This year the number of warbirds was lower than previous years. Absent also were the main US military demonstration teams due to the US Government's Sequestration debacle.

the civilian Black Diamond jet display team, and others thrilled the crowds.

**Cutbacks were made by** vendors, with a number of major manufacturers staying away, or sending along their local dealers. A sign of the times, perhaps, but not a good sign for











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In addition to running the business and performing at airshows, Jane also works as a Budget Analyst at the FAA full time, is a Freelance writer and has returned to college to finish her degree in Finance. She is also a singer and has

sung the National Anthem at airshows.

Jane is not only a wing walker, but also a true aerobatic pilot in her own right. She not only walks the wings of the Stearman but flies it as well. Aurora is a beautiful 450 HP Stearman that was acquired from Steve Wagner in Inver Grove Heights, Minnesota who meticulously restored the airplane from the ground up.

Jane's monster airshow Stearman is unlike any other >



< on the airshow circuit. Aside from her one of a kind paint design, her modifications are what set the plane apart from any other Stearman. The plane's crowning jewel is its fuel injected Pratt & Whitney R-985 450 Horse Power Radial engine with its customized dual stack exhausts.



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Jane prefers to present wing walking as it was truly done back in the 20's and 30's by the early barnstormers. She loves to interact with the public, especially the kids. It is the highlight of every show. Her dream is to give everyone an insight as to what airshow performers did to WOW the crowds in those early days of aviation.

She certainly achieves this.







There were other interesting Biplane performers at Sun 'n Fun 2013.

Buck Roetman of Wild Horse Aviation and Gary Rower of Rower Airshows teamed up to fly a formation aerobatic routine highlighting two different generations of aerobatic biplanes — the Pitts and the Stearman - photos below.

There's more pics from the Sun 'n Fun 2013 airshow on the following pages >>





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Welcome the U.S. Navy
BLUE ANGELS
Father's Day weekend

**June 15-16** 







## JUNE 8-9, 2013 OC AIR SHOW



### AIR SHOW NEWS - |









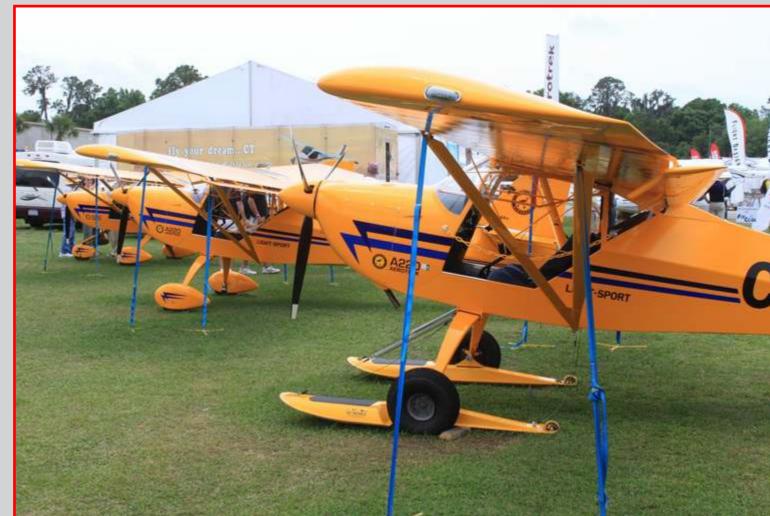




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OREGON INTERNATIONAL AIR SHOW PRESENTS THE UNITED STATES NAVY























RSIDE AIRSHOW





















1.S. AIR FORCE









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Command TICO
Warbird Air Show
is an annual event
taking place in March
each year.

Our East Coast correspondent, Gary Rosier went along for his first visit to this spectacular display.

Space Coast Regional Airport, the home to the Valiant Air Command warbird museum, was the venue.

The locals are more used to seeing Space Shuttle launches from the Kennedy Space Center, just a few short miles to the east. But they always turn out in

force the the VAC air show.

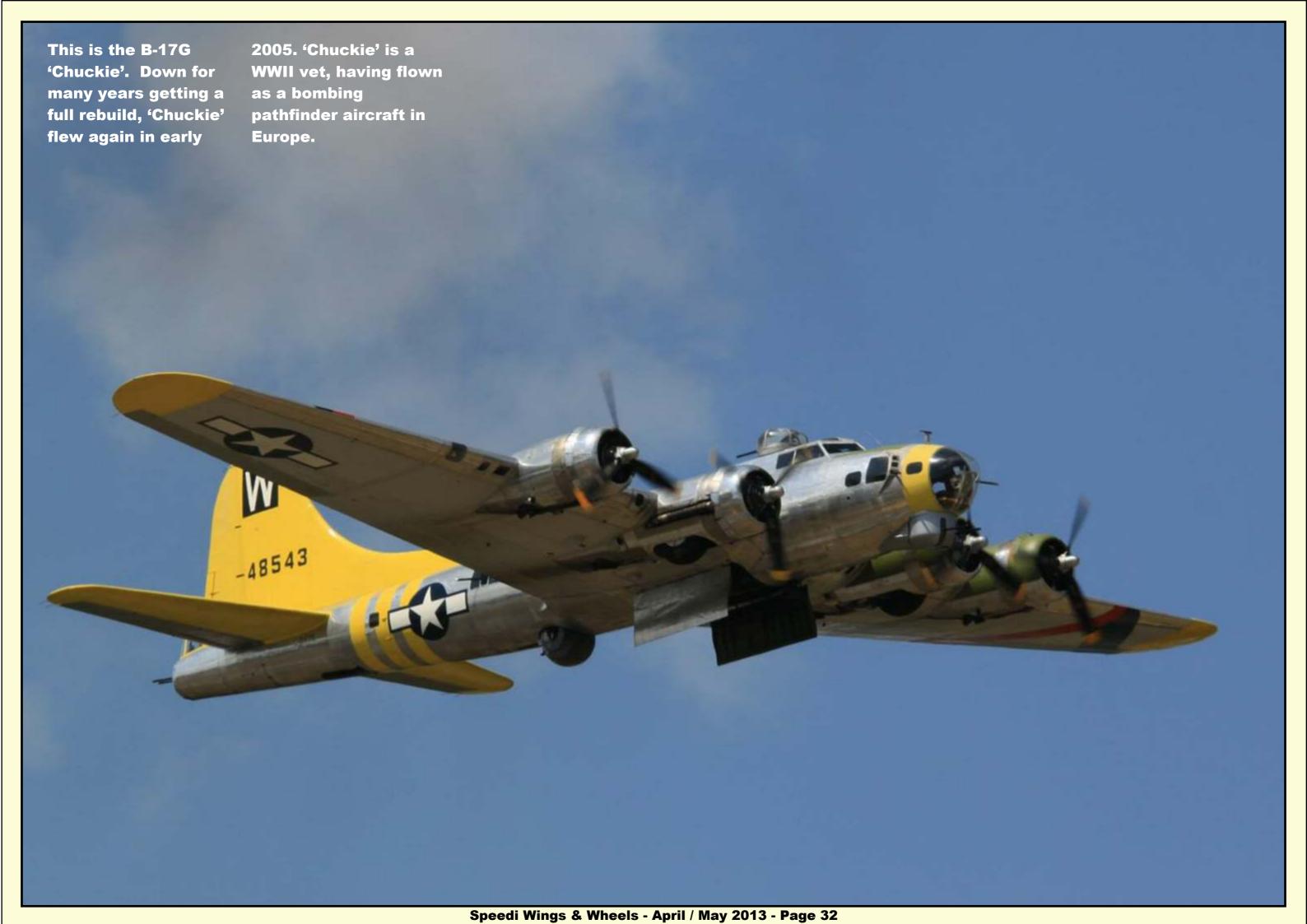
With the USAF
Thunderbirds performing
there was even more
reason for a full house.

Top air show performers were there too. Matt Younkin, pictured left in his Twin Beech 'Magic Moonlight', flew a stunning display.

An unusual appearance was an F-104 Starflghter (photos on the previous page and the following page) which is based at the nearby Shuttle Landing Facility.

We hope you enjoy our photo montage of this great event:

















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## HISPEEDIS BLUGHE

SPEEDI'S Blog.

many problems for Boeing and its battery suppliers. 787 flights once battery modifications are made.



April 1st is April Fool's day. April Fools' Day is observed throughout the Western world.

Practices include sending someone on a "fool's errand," looking for things that don't exist; playing pranks; and trying to get people to believe ridiculous things

Boeing Co.'s chi engineer for the Dreamliner said Saturday that ch to the lithium-ior system are fully sufficient to ensit aircraft's safety, although the correct the Dreamliner said Saturday that ch to the lithium-ior system are fully sufficient to ensit aircraft's safety, although the correct the Dreamliner said Saturday that ch to the lithium-ior system are fully sufficient to ensit aircraft's safety, although the correct the Dreamliner said Saturday that ch to the lithium-ior system are fully sufficient to ensit aircraft's safety, although the correct the Correct that the Correct the Dreamliner said Saturday that ch to the lithium-ior system are fully sufficient to ensit aircraft's safety, although the correct the Correct that the Correct than the Correct t

It was amusing to see the April 1st issue of an aviation blog touting a new approved outcome of the Boeing 787 battery saga. The wings of 787's were to be covered in solar panels, eliminating the need for the onboard batteries which had caused so Boeing Co.'s chief engineer for the 787 Dreamliner said Saturday that changes to the lithium-ion battery system are fully sufficient to ensure the aircraft's safety, although the company has been unable to find the cause of the original battery failures earlier this year that led to groundings of the plane worldwide since mid-January.

Michael Sinnett gave a briefing on the revamped battery to reporters in Tokyo after Japanese and U.S. regulators gave carriers permission to resume

The new battery system is designed to prevent a fire, and to contain one should it occur with an "enclosure," a casing around the battery to prevent heat from being released in the aircraft, Sinnett told a news conference in Tokyo.

"Even if we never know root cause, the enclosure keeps the airplane safe, it eliminates the possibility of fire, it keeps heat out of the airplane, it keeps smoke out of the airplane, and it ensures that no matter what happens to the battery, regardless of root cause, the airplane is

safe," he said, adding
"in some ways it
almost doesn't matter
what the root cause
was."

He said Boeing has identified over 80 potential causal factors and addressed all of them in the new design.

Now the very fact that Boeing identified over 80 potential causal factors is highly significant. Surely they should have identified these factors as potential hazards during the initial testing and certification of the new airliner, not after the fleet of 50 planes had been grounded.

Special training for all on board personnel including the pilot on 787s is mandated, and airlines are to disclose information on safety measures taken on the 787 to the public.

Do this give you a great deal of confidence? Not for me!



© AIRBUS S.A.S. 2010 - COMPUTER RENDERING BY FIXION - GWLNSD

It's interesting that Boeing's arch rival, Airbus, has dropped plans to use the lithiumion battery technology on its forthcoming widebody jet, the A350-XWB, to avoid possible delays in producing the planes.

Airbus in any event was planning on a more limited use of the lithium-ion batteries than Boeing, and by switching to the more traditional nickel-cadmium batteries, the company can make the necessary changes as it is building the planes.

Boeing, on the other hand, has a strong motivation to stick with the lithium-ion batteries in hopes that a solution will emerge.

A solution to the 767 battery saga has finally emerged, but for how long I wonder?

It's amazing how new battery technology has evolved rapidly over recent years.
Lightweight high power batteries are the norm nowadays, but they are not without significant

problems.

Talking of batteries. In the car world Renault has just launched its F1 Twizy electric concept car. The Twizy itself is already in production by Airport, to Sun 'n Fun at

Renault. It's a wacky

where gas / petrol is

growing in popularity

acceleration is good.

worldwide, particularly

reasonable for city use,

but the range is not yet

dramatically reduced. It

will happen eventually.

adequate unless the

charge time can be

emission cars are

in cities. The

the top speed

zero emission city car

which only makes sense

Rosier. He's been covering events far and wide. From the TICO airshow at the **Spacecoast Regional** 

> Lakeland. He even visited the New **Smyrna** Balloon and Sky Fest. Hot roads and cruisers

are one of Gary's great passions. He was certainly able to indulge his passion for this issue expensive. Electric zero and all is revealed in two features on pages 51 through 95.

> **Bike Week in Daytona** Beach was another

spectacular event he covered. So much so that we have a special 33 page Bike Week supplement as part of

As a keen biker myself, as opposed to Gary who is into cars rather than bikes, his first experience of Bike Week **Daytona Beach style** must have been quite something.

On a more personal level, Goofy & Lakes flight once again combined their talent into a 11-ship 'Big Wing' flight for the Valkaria AirFest. The weather for Florida, was very poor, so it was touch and go if we would make the event. Low cloud and a large flight do not go together well, which is why we do not have any photos to show you. But Lakes lead, Jeff Edwards, did a great job



of keeping the flight clear of clouds and circumventing controlled airspace. The another fly-by, but the one exception was that

Goofy / Lakes flight of 11 in better weather! he had to call Patrick Air Daytona Beach area Force Base for permission to transit

their airspace to the south of the Kennedy Space Center.

For a single flight of 11 planes to show up on their radar screen must have been startling for the controllers. Our request to transit their airspace was rapidly granted - many thanks Patrick AFB - which allowed us to arrive at Valkaria almost on time.

was deteriorating further so we hade a hurried decision to depart not long after we had arrived to beat the storms heading for Daytona.

The Valkaria Airfest is promoted by the local **EAA** chapter. As **EAA** members, Goofy and Lakes flights are keen to support any chapter activity.

blog on the 27 April, the

**Daytona Beach EAA** chapter 288, based at Spruce Creek Fly-in held a Young Eagles event for local Scouts and **Cubs. The weather was** good, as compared to the previous Saturday. and many Young Eagles took to the air for the first time courtesy of local pilots.

Over the years I've flown many Young Eagles at a variety of locations, as the photo below from upper New York state shows. This time I was available but as there were plenty of pilots. I was not called on to fly. Many of the kids wanted to fly with a friend or family member, so 4-seat planes, as opposed to the 2 seats in my plane, were preferred. A big thanks to the pilots who flew.



We had hoped to stay a

longer than we did at

weather around the

Valkaria, to make



Getting more down to earth, the past two months have been a busy period for our East this issue. Coast contributor, Gary

Indeed, as I write this

#### NEWS FROM THE BARN

EWS FROM THE Barn is a regular feature about the happenings at the largest (and greatest) fly-in community in the world - Spruce Creek Fly-in. Situated on the Space Coast of Florida, just 7 miles south of the famous Speed City of Daytona Beach, Spruce Creek is a very special place. Our North America editor, Steve Wood, has lived there for since 2001, so he should know. We hope you enjoy this regular feature about a very special aviation community.

Spruce Creek Airport Information - Courtesy of the Spruce Creek POA Website - www.scpoa.com

The Spruce Creek Airport is the heart of the Spruce Creek Fly-In Community. The Airport is a private airport owned and operated by the Spruce Creek Property Owners Association (SCPOA). The Spruce Creek Airport Authority Committee through the SCPOA Board of Directors has the authority and the responsibility to oversee the operation of the Spruce Creek Airport. The SCPOA employs a full time, 24-7 security staff. The Airport runways, taxiways and aircraft parking areas are regularly patrolled and are under continuous video surveillance by the Security staff 24 hour a day.

All flying activities at the Spruce Creek Airport are regulated by the FAA and by the recommended procedures published in the Aeronautical Information Manual (AIM). In addition, a limited number of local rules and procedures have been established to promote a safe and enjoyable airport. All resident, tenants and invitees are encouraged to cooperate and abide by these procedures.

SPRUCE CREEK AIRCRAFT ARRIVAL & DEPARTURE PACKAGE - The airport management provides information to assist all pilots operating in and out of the Spruce Creek Air, viewed or printed with Adobe Reader. Download PDF

AIRPORT SAFETY VIDEO.—The airport management recommends that all Spruce Creek Fly-In residents and airport users view this very good airport safety video. Click Here.

Airport Information Quick List

VORTAC OMN ...... 112.6 165°R/13.9 DME

VORTAC ORL ...... 112.2 020°R/35.6 DME

FSS St. Petersburg ...... 122.2

APCH CNTRL Daytona Beach ..125.35 (South) 125.8 (North)

INSTR APCH (Rwy 05) ....... GPS (Private, Residents Only)

CTAF...... 122.975 (pilot actuated lights 3-5-7 clicks)

- AWOS...... 121.725

FUEL ...... 100LL & JET A (self serve and truck delivery)

Airport Manager: Airport Assistant Manager: Airport Committee Chairman:

Ken Doucette Dick Cunneen Bob Spillman 386 767-5814

Cell 386 872-1430 Cell 386 872-1431 Cell 305 367-0175



N OUR 'News from the Barn' section we will be **L** featuring news and photos from Spruce Creek Fly-in, the world's greatest aviation community. With over 1600 homes, and not all of them are hangar homes, and home to over 3000 people, there are over 650 airplanes based at Spruce Creek. But it's not all about aviation at Spruce Creek there's golf, tennis, motorcycling and much more, as well as a Country Club and the Downwind restaurant right alongside Beech Boulevard - a major taxiway in the center of the airport. EAA Chapter 288

(Daytona Beech) meets at Keith Phillip's hanger on the other major taxiway - Cessna registration N-600FY. Boulevard. Then there's the Gaggle Flight, which is quite something in its own right. Every Saturday morning (and sometimes on Wednesday too) members of the Gaggle Flight meet at The Big Tree which sits right perhaps in the middle of the airport. Upwards of 30 aircraft depart in flights of 3 or 4 (and sometimes more) flying out to breakfast. The arrivals back are usually spectacular, with overhead breaks the norm. Our North America editor, Steve Wood, is part of Goofy Flight - named

after his GlaStar which has the special Steve even has 'goofy' smoke on his airplane which can 'puff' or be continuous at whim. Everyone has great fun at Spruce Creek Fly-in

which expla ins why there's a sign inside the main



entrance which reads "Caution - Children And Adults At Play".





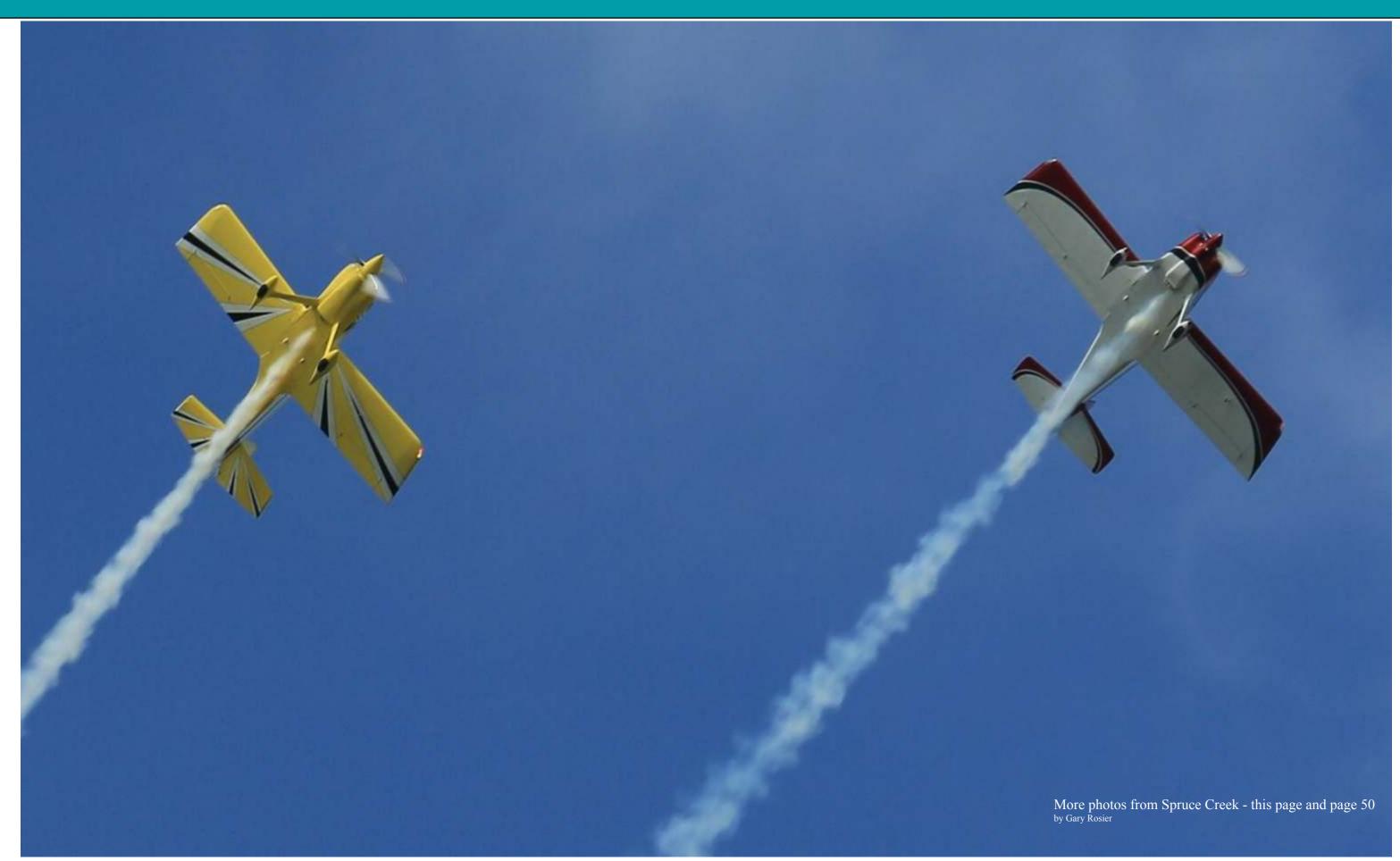




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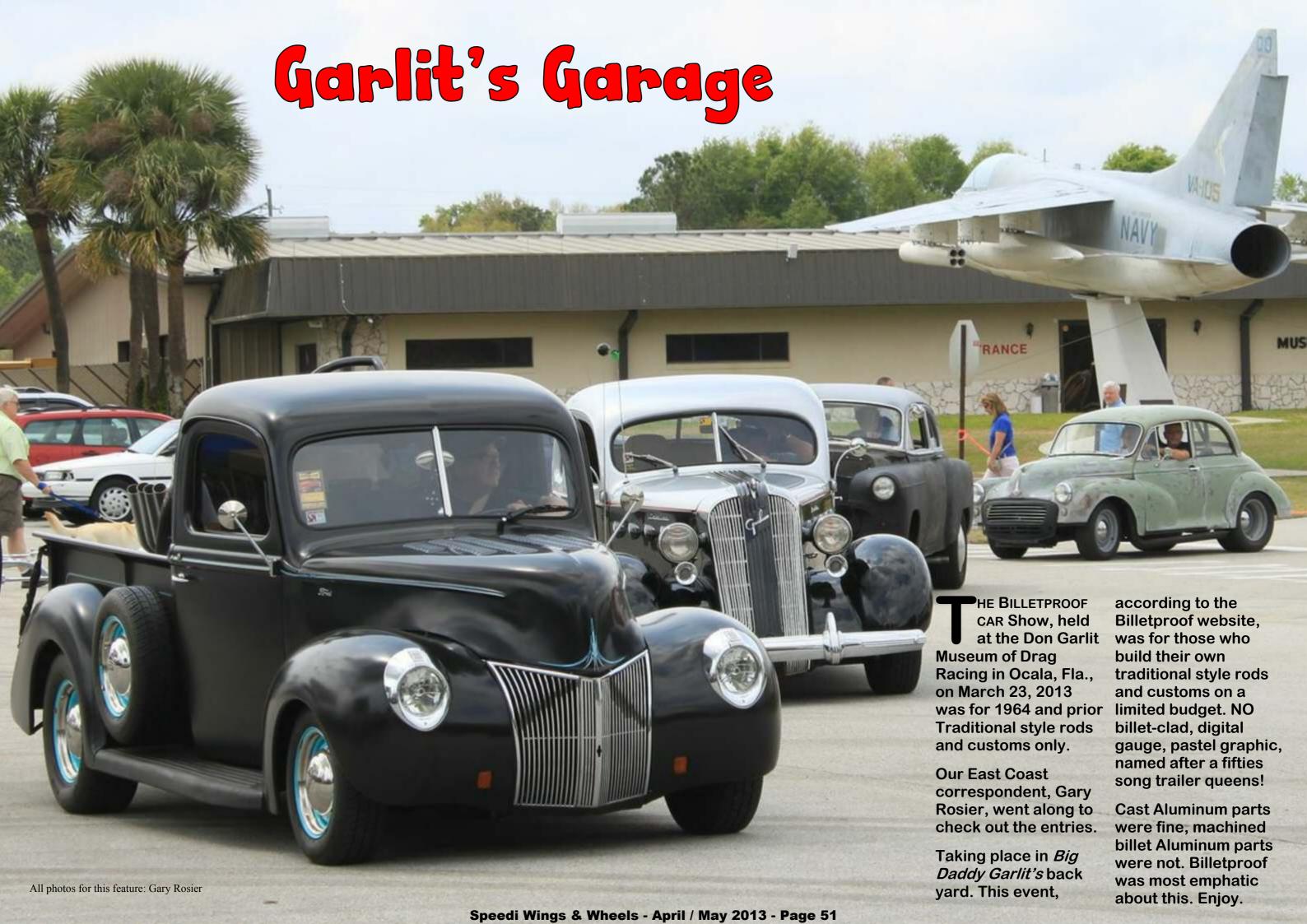








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# NOSE ART & NUMBERS



In this regular Nose Art & Number feature we showcase our readers Nose Art and Special Registration Numbers. Just send in your pics, along with a bio (around 150 words) about your nose art or special registration to <a href="mailto:noseart@speedi.tv">noseart@speedi.tv</a> - and don't forget, spread the word.







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# NOSE ART & NUMBERS





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### AutoNews

**Top Titbits of Auto News** 

www.speedi.tv

#### Sant'Agata Bolognese, Italy, March 23rd, 2011

The revolutionary Lamborghini Aventador LP 700-4, unveiled to the public at the Geneva Motor Show earlier this month, has achieved sales representing far more than one year's production also due to strong motor show reception. That momentum, which began at VIP continues at www.Aventador.com, where brand enthusiasts have the

opportunity to configure the hightech, lightweight Aventador's exterior and interior color to their preference, while viewing the newest brand film teasing the \$255,000 flagship.

"Interest in the Aventador has been unprecedented and we have orders for far

more than one year. Before customer deliveries begin in the second half of 2011, customers and brand enthusiasts can visit the Aventador microsite to receive a glimpse into the wealth of personalization opportunities available with the new V12 super sports car," said Stephan Winkelmann, President and CEO of Automobili Lamborghini S.p.A. "Although we prefer to leave the complete customization process to a one-on-one experience with a Lamborghini retailer, the microsite is the perfect interactive tool for enthusiasts who want to test different options and styles for a truly personalized Lamborghini."

The microsite also features full technical specifications, standard equipment, options and a full directory of official Lamborghini dealerships around the globe.

The Aventador LP 700-4 is the sixth generation Lamborghini V12 model. The stunning vehicle redefines the pinnacle of the luxury super sports car market, combining high power, customer previews in late-2010, now outstanding lightweight engineering and phenomenal handling precision. Its innovative monocoque made



a low dry weight of only 3,472 pounds (1.575 kilos); a 199 pound (90 kilos) weight-savings versus its predecessor. Combined with this low weight, the Aventador's new 700 horsepower V12 engine and Independent Shift Rod transmission provide breathtaking performance of 0-100 Km/h (0-62 mph) acceleration in just 2.9 seconds and a top speed of 350 Km/h (217 mph). A Formula 1-inspired pushrod suspension and all-wheel drive system provide precise handling and stability at the very highest speeds.

About Automobili Lamborghini S.p.A.

Founded in 1963, Automobili Lamborghini is headquartered in Sant'Agata Bolognese, in Northeastern Italy. There it manufactures some of the world's most sought-after super sports cars. With almost 125 dealerships worldwide, Automobili Lamborghini is building on a succession of dynamic and elegant super sports cars including the

> Miura, Islero, Urraco, 350GT, Espada, Countach, Diablo, Murciélago LP 640, Murciélago LP 640 Roadster, Gallardo SE, Reventón Coupe, Reventón Roadster, Gallardo LP 560-4 Coupé and Spyder, Murciélago LP 670-4 SuperVeloce, Gallardo LP 550-2 Valentino Balboni and Gallardo LP 570-

entirely from carbon fiber results in 4 Superleggera. With the ultra-light Sesto Elemento technology demonstrator from 2010 and the new Aventador LP 700-4, Lamborghini has again displayed its clear leadership in the field of carbon fiber technology. Here, Lamborghini is building on a thirty-year history and in 1983, Lamborghini used carbon fiber reinforced plastics to build the famous Countach. As a 100 percent subsidiary of AUDI AG, the Italian super sports car manufacturer further benefits from the lightweight construction competence of its parent company.

### **ALL-NEW RANGE** ROVER SPORT **REVEALED**

"THE FASTEST, MOST AGILE. MOST RESPONSIVE LAND **ROVER EVER"** 

### New York City, USA, 26 March, 2013

- The all-new Range Rover Sport, revealed to the world today on the streets of New York, is the ultimate premium sports SUV - the fastest, most agile and responsive Land Rover ever. The Manhattan skyline was the perfect backdrop for this world premiere with

more units of Range Rover Sport sold in the United States than any other global market and New York being the model's best-selling city.

Developed alongside the highly-acclaimed all-new Range

Rover, the new Range Rover Sport now delivers the brand's best-ever on-road dynamics together with class-leading, genuine Land Rover all-terrain capability. The new,

technology-packed, Range Rover Sport, presents customers with a more assertive and muscular exterior, more luxurious interior and the flexibility provided by the option of occasional 5+2 seating. **Exploiting Land Rover's** breakthrough lightweight suspension design and innovative dynamic chassis technologies, the Sport's all-new, first-in-class aluminium architecture achieves a weight saving of up to 420kg\*. This transforms the vehicle's dynamic performance, enabling it to blend

agile handling with exceptional

comfort, offering a unique mix of

premiere at the New York International Auto Show, Land Rover Global Brand Director John Edwards said: "The all-new Range Rover Sport is a vehicle that has been designed and engineered without compromise. With Land Rover capability at its heart, it is one of the most road focussed vehicles we've ever produced, but of course still offers unsurpassed all-terrain capability. It is a vehicle which is designed to be driven. We've taken ride, handling and agility to another level for Land Rover to deliver a truly rewarding, sporting, drive

Speaking ahead of the official world

together with unmatched luxury, capability and versatility.

"Building on the success of the recently launched flagship Range Rover, the new Range Rover Sport also employs a vast array of new

technologies which help to transform its performance, refinement and all round capabilities," adds Edwards.



sporting luxury and a dynamic, connected driving experience, along with CO2 emissions reduced to 194g/km.

### AutoNews

**Top Titbits of Auto News** 

www.speedi.tv

New York, 28th March:

### The Jaguar F-TYPE has today been declared the 2013 World Car Design of the Year.

Ian Callum, Director of Design, Jaguar, said: "No design project has given me greater pleasure than the

creation of the F-TYPE. It's a project I've looked forward to from the moment I joined Jaguar, and it's one that's given my team and I great satisfaction. The F-TYPE is a sports car that is true to Jaguar's design values - beauty of line and purity of form and I'm

honoured that the World Car of the Year jury has recognised our work with this award."

Some 43 cars were considered for the award, this selection being reduced to a shortlist by an advisory Commenting from the show, he panel of design experts\* before final said: "The F-TYPE is the first fullconsideration by the 66 World Car of the Year jury members.

On the F-TYPE, the advisory panel said: "The long wheelbase, short overhangs and flared fenders give this car a good stance. The contour in plan view tapered toward the door is as dynamic yet refined as any

emphasises the muscular rear fender unique proposition from a that houses the driven wheels.

"The F-TYPE exterior maintains Jaguar's own elegance in its horizontal proportion and rounded surfaces, yet it looks very dynamic. But I would like to say the interior design is even more attractive. It is clearly driver-oriented, and a grip bar for the passenger is nicely integrated into the big centre

performance and price perspective. This combination of factors has clearly inspired this year's jurors, and we are delighted and honoured to collect this award."

Candidates for the World Car Design of the Year award may be on the overall World Car of the Year list, or may be included as a stand-

> provided the vehicle is introduced and available for sale in at least one major market during the period beginning January 1, 2012, and ending May 30, 2013.

alone entry

\*The panel of design experts which produced the shortlist for the World Car

of the Year Jurors consisted of:

Masatsugu Arimoto (Japan -Freelance design journalist)

Silvia Baruffaldi (Italy - Auto & Design magazine)

Gernot Bracht(Germany -

Sam Livingstone (U.K.- Car Design Research and Royal College of Art)

Tom Matano (USA-School of Industrial Design at Academy of Art Jaguar sports car should be, and is a University in San Francisco)



console. The seat design is superb,

The award was collected by Adrian Hallmark, Global Brand Director, Jaguar, at the New York International Auto Show. blooded Jaguar sports car to be launched for more than 50 years. Its Pforzheim Design School) architecture and technology are world class, wrapped in an evocative and progressive design that could only be a Jaguar - 'Callum unfiltered', as we call it in-house. It

### **GENEVA – 5th March:**

### Chevrolet revealed the 2014 **Corvette Stingray convertible** today at the Geneva Motor Show.

Featuring an all-new, fully electronic top that can be lowered remotely using the car's key fob. The top can also be opened or closed on the go, at speeds of up to 30 mph (50 km/h).

"The convertible has been a part of the heart and soul of Corvette since the very beginning in 1953," said Ed Welburn, GM vice president of global design. "With the all-new Corvette Stingray, we designed and developed the coupe and convertible simultaneously. As a result, the Corvette Stingray offers an open-top driving experience with no compromise in performance,

technology or design."

The Corvette Stingray coupe and convertible arrive in global markets in late 2013, with lefthand-drive models to be offered in Europe, the United Kingdom, the Middle East, Japan and Russia. Changes to

Corvettes for export vary only in equipment required to accommodate a respective market's regulations,

such as lighting, headlamp washers and outside mirrors.

"It's fitting to introduce the new Stingray convertible on the global stage at Geneva, because Corvette is the face of Chevrolet the world over," said Susan Docherty, president and managing director of Chevrolet and Cadillac Europe. "It is an icon that has long been recognized and admired even in countries where it's never officially been offered."

All of the performance technology and capabilities introduced on the Corvette Stingray coupe carry over to the convertible. The only structural changes are limited to accommodations for the folding top and repositioned safety belt mounts. Central to the Corvette Stingray's driving experience is an all-new,

All models are powered by the new LT1 6.2L V-8, with an estimated 450-hp (335 kW) and 450 lb-ft of torque (610 Nm). As no structural reinforcements are required for the convertible, both models share almost identical power-to-weight ratios.

The LT1 combines several advanced technologies, including direct injection, Active Fuel Management and continuously variable valve timing to support an advanced combustion system designed to balance power and efficiency. The new Corvette Stingray is expected to improve upon the current model's fuel economy of 13.6L/100km (EPA-estimated highway fuel economy of 26 mpg).

"We wanted the driving experience of the Corvette to live up to the

> performance expectations that come with the 'Stingray' name," said Tadge Juechter, Corvette chief engineer. "Because it was designed from the beginning as an open-top car, the Corvette Stingray delivers an exhilarating, connected driving experience – no

matter what configuration you choose."



more rigid aluminum frame

the current steel frame.

structure, which is 57-percent stiffer

and 99 pounds (45 kg) lighter than

### AutoNews

**Top Titbits of Auto News** 

www.speedi.tv

### Lamborghini Aventador LP 700-4 Roadster

Dade County the Lamborghinis, for Prior to the high speed the first time ever, exceeded the

runway which is between 150 mph

and 180 mph. No current jet aircraft

reaches 210 mph on the ground, the

horsepower vehicles during the

clocked speed of the 700-

demonstration, the Lamborghinis

were joined by an **American Airlines** Boeing 777 and linedup for a photo shoot on the runway. Due to integrated planning on behalf of Miami-Dade officials and the FAA, there was no impact on flight arrivals and departures..



Fast forward to April 11 in Dubai, when the Dubai Police Department announced the deployment of a

\$550,000 Lamborghini Aventador in its fleet.

It seems like the Dubai Police Department needs these speedy wheels to pursue its citizens in equally exotic motors!



**High Speed Demonstration** on closed Miami **International Airport** Runway

Miami-Dade County Officials closed-course drive demonstration.

Host First-Ever, **High-Speed Demonstration:** 

Back in January, at Miami International Airport five new Lamborghini Aventador LP 700-4 Roadsters sped down the south runway of the busiest U.S. airport for international flights. With special authorization from the Federal Aviation Administration (F.A.A.) and Miami-



### 20/04/2013 - Shanghai

The Shanghai Motor Show marked three giant steps in Maserati's march towards its goal of 50,000 cars a year.

The Maserati momentum that began late last year with the all-new V8 and V6 Quattroporte continues in Shanghai with the all-new Ghibli the first-ever mid-size four-door sports luxury sedan in Maserati's history.

Both the Quattroporte and the Ghibli sedans will each boast

two different power outputs from their turbocharged V6 petrol engines and both new models will also be offered in with a choice of rear- or allwheel drive.

The Ghibli will additionally be offered with the first diesel engine in Maserati's history. The turbo-diesel 3.0-litre V6, developed by Maserati engineers under the

direction of former Ferrari Chief Motorist Paolo Martinelli, will deliver traditional Maserati high performance and sound but will use less than six litres per 100 km on the NEDC fuel economy cycle.

Another Maserati making its world debut in Shanghai is a version of the new Quattroporte equipped with a V6 capable of 330 Hp (243kW) and specifically conceived and developed for the Chinese market.

### **MASERATI GHIBLI** WORLDWIDE DEBUT

The all-new Ghibli is set to break new ground for Maserati. With its debut at the Shanghai Motor Show, it marks the first time in Maserati history that the Italian sports, luxury and prestige maker will have two four-door sedans on sale at the same time.

The Ghibli's design ethos emphasizes its more dynamic driving characteristics by maintaining visible links with the



larger Quattroporte while delivering a more aggressive visual personality

The outline of the body reflects a coupe-like philosophy for the fourdoor sedan, while there are strong feline hints around the Ghibli's grille and headlights. The grille takes its inspiration from the current GranTurismo and it can draw a line back to the classic A6 GCS of the 1950s.

Inside, the Ghibli sets itself apart from the Quattroporte with its own dashboard design that perfectly meets the buyer's need for a sportier and youthful experience without losing any of the luxury expected in a Maserati. The Ghibli also delivers a sporty design combined with the typical roominess of an executive sedan.

The Ghibli will have a morefocused, sportier philosophy than the larger Quattroporte. It will be available with two turbocharged 3.0litre V6 gasoline engines, an eightspeed automatic transmission and both rear-wheel drive and the new

> Q4 all-wheel drive system.

The most powerful of the V6s will be the twin-turbo unit in the Ghibli S, which produces 301kW (410hp) of power at 5500rpm and 550Nm of torque from just 1750rpm. This engine is shared between the rear-wheel drive Ghibli S and the all-wheel drive Ghibli S Q4.

Both of these engines, with their parallel turbochargers, were developed by Maserati Powertrain in partnership with Ferrari Powertrain and will be built by Ferrari in its world-leading engine construction facility in Maranello.

Sharing much of the technology with the Quattroporte's 3.8-litre V8 engine, the V6 engines use gasoline direct injection technology along with two low-inertia parallel turbochargers, four continuous camshaft phasers and deliver their fuel at around 200 bar of pressure.



## GONE CRUISI









Gary's Hot Rods & Cruisers

Welcome to Gone Cruisin', our regular feature on the cruisin' scene brought to you by Gary Rosier. Primarily from in and around the USA. More pics from Gary at http://www.carsplaneslandscapes.com/





F YOU WERE in **London, England** and there was a 'Hyde Park' car show it would be a show in a parkland setting in the center of London. This show was in Daytona Beach, Fla., at the Hyde

Park Storage Units. What's unusual is that most of the units hold luxury cars, while many have been turned into "man caves". We hope you enjoy Gary's photos over the next 9 pages.





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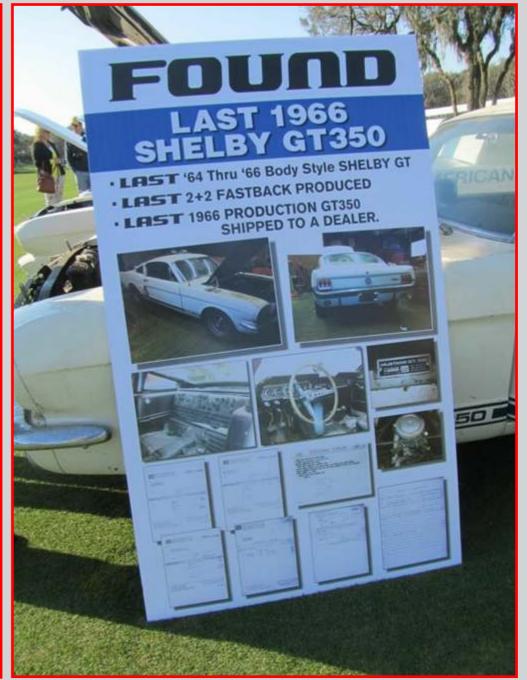
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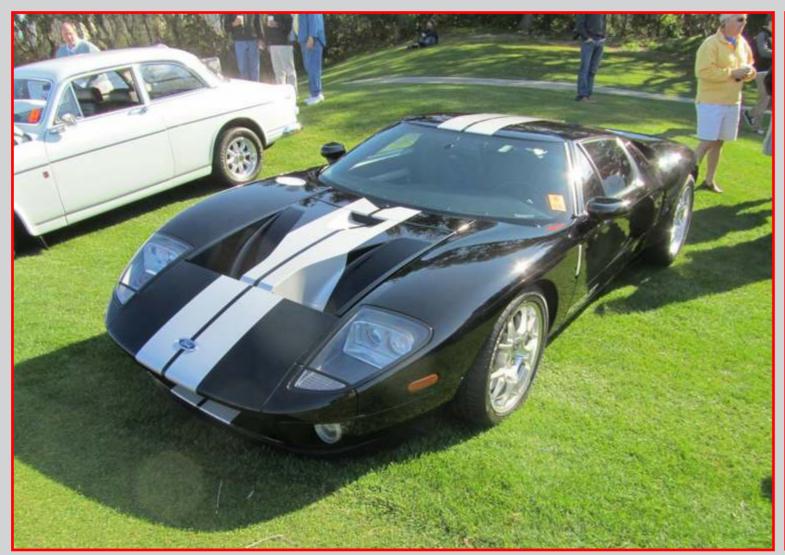






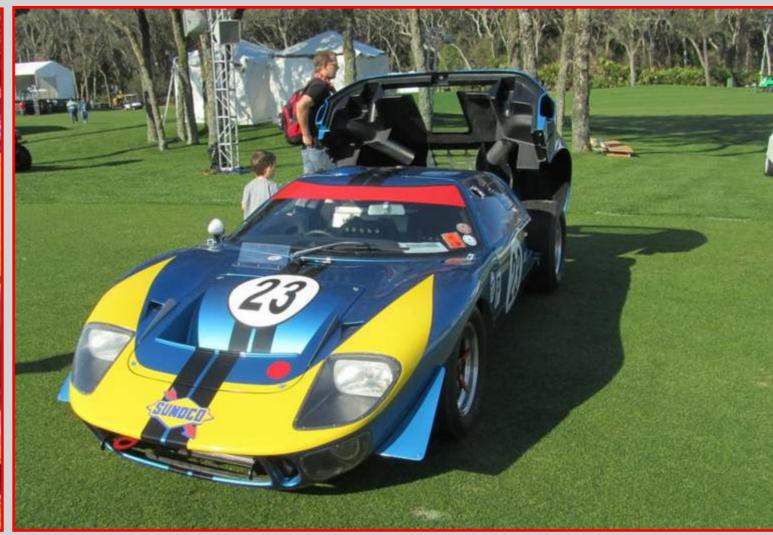


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clocked the first 260-, AINESVILLE, FLA IS **NHRA Amalie Oil** Our east coast His photo report will give home to the NHRA 270- and 300-mph Top you an idea of what went **Gatornationals.** correspondent, Gary **Auto Plus Fuel runs. Now these** Rosier, felt the 'Need for on, but really you have to One of the fastest tracks super quick 8000 hp cars Speed' and spent a full be there yourself to fully Raceway. on the NHRA circuit, it are reaching almost 320 day at the track. appreciate the spectacle: On 14 to 17 March, 2013 was from this launch mph in under 4 secs. it hosted the 44th annual point that drivers MALE Speedi Wings & Wheels - April / May 2013 - Page 83

Note the deformation engine, make The crew pounces on removed and either this can mean eight of the rear tires. the engine as soon as passes. Tis also inspected or whatever chassis automatically replaced means seven complete the car comes to a adjustments are NHRA teams are given necessary, and get rebuilds take place to be rebuilt later. stop in the pits. just 75 minutes back on the line. over three days. between each race to During a rebuild, all Over the course of a completely rebuild the major components are typical NHRA weekend,



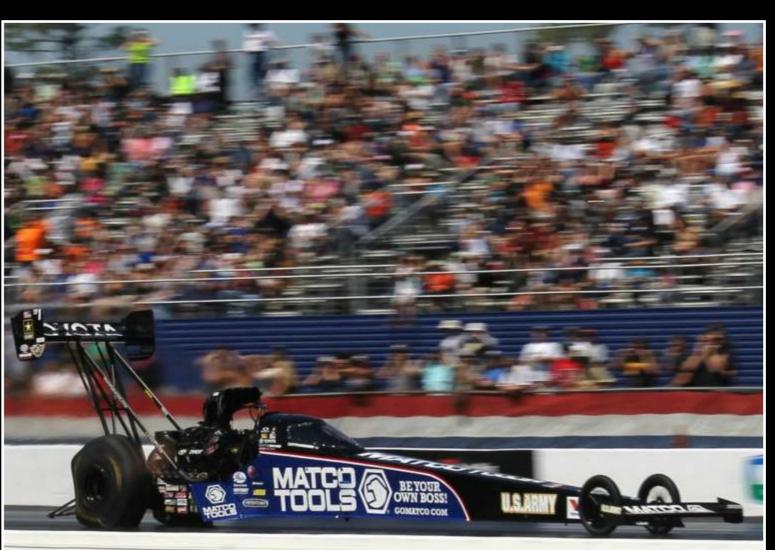






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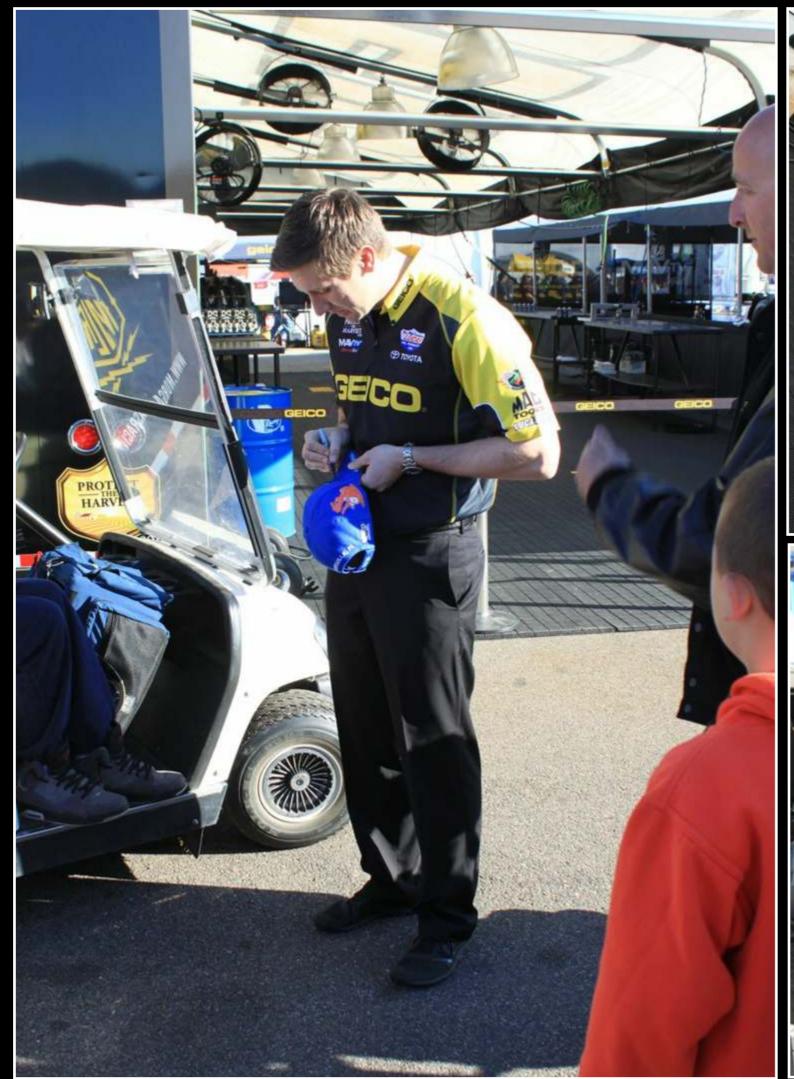








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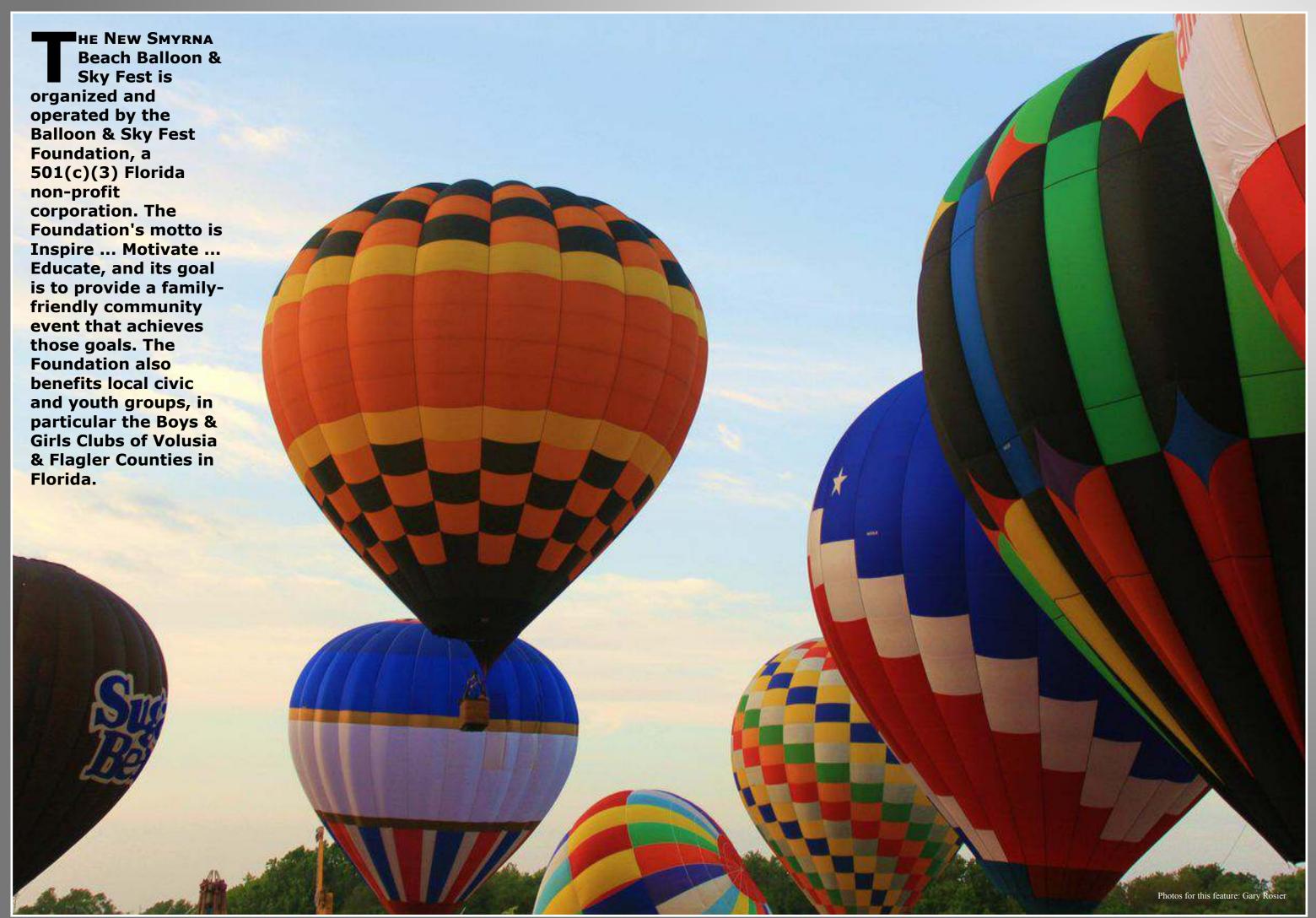


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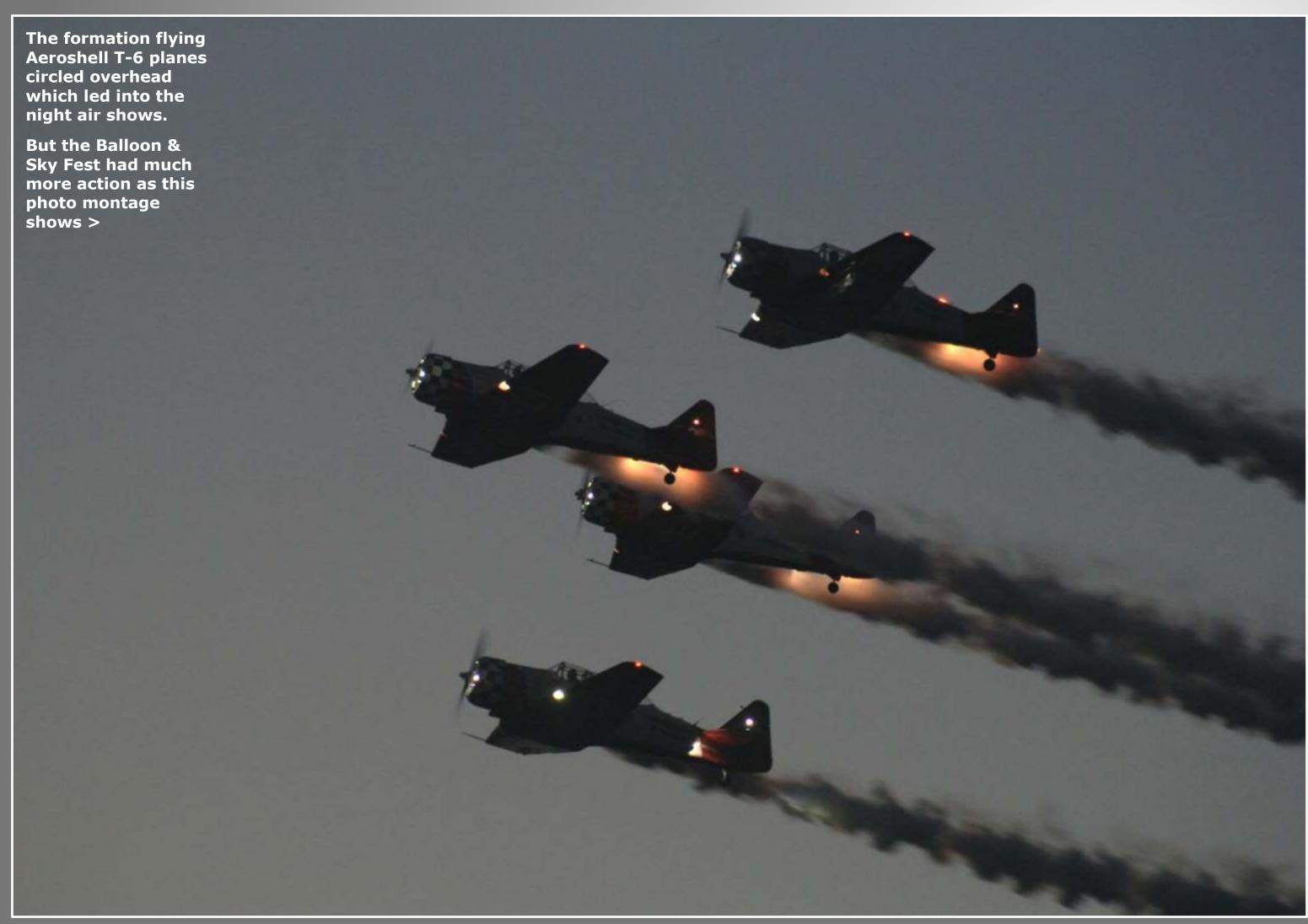


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## More motorsport news & photos from Daytona Beach, Speed City USA.





home to many things speed and vehicle related. The Custom Car Show and Soundoff Party, otherwise known as the Spring Break Nationals, was quite something else.

The tag below says it all. Pure 'Eargasm'.
Custom cars, sound systems galore and models adorned over the show cars took over the Ocean Center on

March 2-3, 2013. Our East Coast correspondent, Gary Rosier, went along to sample the event.

Of course, there were Spring Breakers' on the beach and Gary took in the action too.

Everyone knows when the boom boxes are in town. The bass sound reverberates for miles and miles. Perhaps even the whales moving off-shore can hear the booming noise.



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