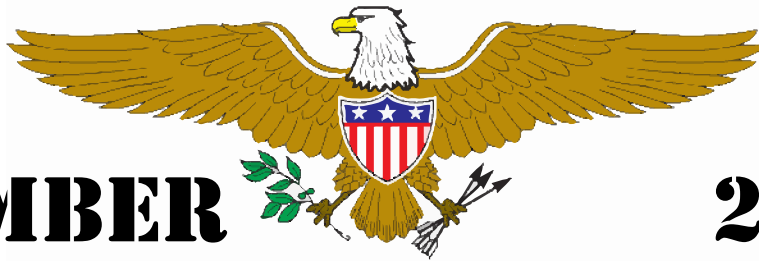


SCALE DIMENSIONS

Official Newsletter of the Scale Squadron of Southern California •
Founders of the US Scale Masters Championships



SEPTEMBER

2014

TIM CARDIN'S BAMBOO BOMBER!





SAM WRIGHT, COMMANDER

Commander's Article

It's gone and I cannot find it! What's gone you say? "Summer"! Where did this summer go? I suppose we are all busy and when you're busy with whatever, time zooms by.

Regardless of the time element, I had a great summer, traveling, flying, family, and more flying. I am sure you all did as well and probably like me, wondering where the summer went.

I had the pleasure of being invited to announce the Big Little Airshow at Pearl Harbor. My wife, Nancy accompanied me and we thoroughly enjoyed the extra time to see Hawaii as well as the history on Ford Island.

I retraced the Japanese attack from Hickam Field, Ford

Island and the harbor where the USS Arizona sits on the bottom. Hangar 73 houses the Pacific Aviation Museum, and Hangar 79 houses more aircraft and is the museum's restoration shop. The bullet holes from the attack remain in the glass on the sliding hangar doors. All of this is a very sobering experience.

I will have a photo review for you Monday night at the meeting to give you some insight to this historic location.

The model and full size aircraft show was a huge success with over 12,000 paid spectators over the two days.

The Rubber Powered event at Hobby People was an amazing success and for those that did not attend even to watch, you missed a fun

time. Basically Charlotte Rosenlof and Joni Whitsitt out flew us all with their stick rubber powered models. There is no question, that this will be an annual event and most of us know what to do better for next year.

Coming up pretty fast is the Scale Qualifier in Hesperia. There will be more information at this month's meeting and a lot of us are going. The club puts on a really nice event and great party too.

November 1, 2014 is our Scale Event at OCMA and we will have a mass rubber powered launch at the start of the event. A flyer for the event is in this newsletter. We will all be there and you should be as well.

Later this week, a bunch of Scale Squadron pilots are heading to Warbirds over the Rockies. I will join them as the announcer for the event. The event is at a larger venue and draws a lot of pilots and spectators. The event proceeds go to Mental Health of Colorado, a very worthwhile cause.

Hopefully you all will read this for the meeting this Monday at 7:00PM, same place, coffee and cookies as usual, thanks to Tim Cardin who lugs that coffee pot out for you all. Be sure to bring your project in any phase of construction.

Sam

FF & STATIC

EVENT PHOTOS

CONTEST!

August 11, 2014



EAGLES AT OCMA

CALENDAR OF EVENTS

MIKE GREENSHIELDS, EVENTS

October is Scale-Month. It seems every club waited for good weather to schedule their next event!

In Date Order!

October 4 and 5, 2014 - 1st Qualifier for 2015 Season! It's the VVRCF/Squadron Scale Masters Regional Qualifier! Two days of awesomeness as we all try to look cool with our latest projects and fly 9 maneuvers that make our plane look more scale than the other guys! VVRCF club has a GREAT paved field and the people are great. You will NOT want to miss the Sat night party either! Free dry camping Friday and Sat night too! No need to pre-register, but be sure to get out there early Saturday!!!

October 5, 2014 - Circle City Flyers Scale Fly Event. Don't want to drive to the desert, drive to Corona and fly with this great, long-standing, local club! Low cost to enter, lots of good flying to be had!

October 13, 2014 - Scale Squadron General Meeting. Let us NOT forget that we're having our October Meeting as usual. Board Nominations will be held at this meeting. Be sure to visit the club calendar regularly for updates!

<http://www.scalesquadron.com/calendar/>

October 18-19, 2014 - Not one, Not two, but THREE famous events this weekend that could interest all of us!

Local: Get out your WWI aircraft and come out for the Black Starr Dawn Patrol! Pre-Register and Get the Details:

http://www.rcflightdeck.com/event_details.cfm?event_id=3457

I'm told Saturday is hard-core WWI and Sunday is Scale/Classic/Golden-Age Open Flying.

JETS: Best of the WEST! This is a premier west-coast event. You will see top pilots from all of the country and several international pilots. Top Jets, Top Pilots, All with their tails on fire. Real Turbine Action. Just a short drive to Button-willow CA.

Register and Get Details:

http://www.rcflightdeck.com/event_details.cfm?event_id=3660

ROAD TRIP! Need an excuse to hang out with our buds at the OEAF in Phoenix AZ? Here it is, the Fall Fly-In. Don't need to pre-register, but you might want to check out their website for local field and hotel info.

<http://oeaf.org/files/2014/08/FALL-2014-FLYER.pdf>

Gene Peterson az49er@cox.net
603-579-0925

October 25-26: All Electrics!

Not exactly a scale event, but 90% of the planes WILL BE SCALE anyway! PVMAC is again hosting the Big Jolt and our own Randy Wilbur and Joni Whitsitt will be at the helm this time around.

I've already pre-registered, have you????

http://www.rcflightdeck.com/event_details.cfm?event_id=3780

Randy Wilbur rwilbur@videotech-eng.com 949 683 9662

Joni Whitsitt whitsittjo@gmail.com 714 396 2523

Last, but Certainly NOT Least!!!

November 1, 2014 EAGLES AT OCMA - A NEW Scale Squadron Scale Event and Swap Meet at OCMA!

Bring your Scale Model and come out to Scale Squadron's Eagles at OCMA Scale Model Fun Fly, Competition, Workshop, Free Flight Mass Launch, and Swap Meet! This is a new format for scale events and is sure to be a fun day for all. You don't have to be a master builder (ARF's are encouraged!), and

you don't have to be a competition pilot. This is a low-key, fun way, to touch your toe in the pool of scale competition. Learn what it's all about! And, come out early because we're starting the day with a Swap Meet! Get the deals you're looking for, sell the projects you're never going to complete to make room for your new R/C masterpiece! The OCMA/Black Starr/Bob Swenson Memorial Field is home to the Scale Squadron and this is our first official event at our field. The field is beautiful with all of it's newly surfaced runway and pit area and is a joy to fly there

And yes, I've registered for this too! Have You?!?!?!?

http://www.rcflightdeck.com/event_details.cfm?event_id=3730

Stay Connected with the Squadron:

Our Website: <http://www.scalesquadron.com>

Our Facebook Page: <https://www.facebook.com/pages/Scale-Squadron-of-Southern-California/101034893282084?ref=bookmarks>

And don't miss out of Frank's new Facebook Group:

\The Not So Scale, Almost Ready to Fly, Soon to be Scrap, Warbird Brotherhood

<https://www.facebook.com/groups/1535130540032766/>

The two fields our club flies with the most:

Our brothers at PVMAC

<http://www.pvmac.com/>

Our home-field, the multi-club association

OCMA!

<http://www.flyocma.com/>

RUBBER BAND CONTEST

BY: MIKE GREENSHIELDS

The 1st Annual, Scale Squadron Rubber Powered Indoor Contest and Cook-Out! Sponsored by Hobby People

In August we ditched the regular ol' contest, boogied down to Hobby People Fountain Valley, took over the little warehouse, and had ourselves a new kind of old-school shin-dig. We channeled our inner-child, ate some hot dogs, and flew rubber band powered planes until our fingers were tired from winding!

CHAOS! We opened the door and practice immediately started. Planes were flying everywhere. What stood out is how well the wife's planes were flying. That's right, the ladies in the club participated too, and it was clear they were a force to be reckoned with!

Dinner's READY! That all calmed down and we had a fun light dinner. Our Commander, Sam Wright cooked up the BBQ hot-dogs and Joni brought a custom Macaroni Salad! Sodas and snacks were available all night!

The Contest had 3 categories:

-Static Scale

We had several entries in static! Gliders, static, rubber, all stick and tissue, all really pretty!

-One-Design Guillows Stick and Tissue CA-

DET Class:

These little flyers zoomed all over and we had about 16 entries, but not everyone flew for time! We all learned a lot about tissue, building with sticks, and how to trim a plane to fly right INDOORS!

-Open. The high-performance flyers!

Some people just have to show off! Ed McCormick and Wayne Spani dominated with ultra-light, ultra-high performance models.

-Impromptu JUNIORS ARF Class! The kids showed up and demonstrated that fun with models can happen at any age! Thank you to the Burke's for coming out and flying with us!

Thank you to everyone who helped setup and tear down! It was a great event! We're already working on rules for next year!



RUBBER BAND CONTEST RESULTS

Open	Time	Place
Wayne Spani	37.93	1
Larry Wolfe	12.32	2
Ed McCormick	9.65	3
Tim Cardin	7.05	4
Scott Whyte	5.42	5

Cadet	Time	Place
Steven Penn	6.56	1
Ed McCormick	6.42	2
Karl Swope	6.15	3
Randy Wilbur	5.26	4
Greg Shultz	5.22	5
Jerry Thompson	4.96	6
Joe Trama	4.61	7
Bob Rosenlof	4.33	8
Joni Whittsit	4.12	9
Scott Whyte	3.87	10
Charlotte Rosenlof	3.68	11

Jr.	Time	Place
Christopher B	9.27	1
Scott B	5.42	2

Static	Model	Place
Gary Glasband	Beaver	1
Steven Penn	SE-5a	2
Larry Klingberg	Tigermoth	3
Gary Glasband	T-28	4
Ed McCormick	P-40	5
Roger Schaufele	Glider	6
Bill Hart	P-51	7



SEPTEMBER CLUB MEETING PHOTOS



ABOVE: Mike Greenshields showed off a VQ ARF's prototype of a new F-82 "Betty Jo" prototype. Twin 46 size ARF with optional Retracts.

RIGHT: Steven Penn brought in a project he's helping with. Scale Squadron members spend a lot of time helping others and Steven is no exception. This L-4 was damaged in shipping and Steven has been helping the owner fix it, correct it, and finish it for flight. Has a nice working landing gear.



LEFT: Larry Klingberg and his on-going J-3 Cub converted to a Waco Bipe project is nearing completion! It certainly no longer looks like a Cub.

THANK YOU TO EVERYONE WHO BROUGHT SOMETHING TO SHOW AND TELL!

NOW AVAILABLE AT SCALESQUADRON.COM!

We are now selling our Grey Flight Polos,
Black Dress Shirts, Coffee Mugs, and
Can Cozies on-line through our website @
WWW.SCALESQUADRON.com

Just click on Store at the top of the web-
page and you will be able to access our
new way to buy on-line!



NOVEMBER 1, 2014



EAGLES AT OCMA

FLY-IN • SCALE COMPETITION • SWAPMEET

SPECTATORS WELCOME! FREE ADMISSION!

\$15.00/ PILOT LANDING FEE, \$10.00/ SWAPMEET SPACE, FREE SCALE SEMINAR

ATTENTION PILOTS!

- Open flying for registered pilots
- Uncontest Scale Seminar and workshop
- Judged flying competition
- Awards for best flights, 3 classes
- Awards for Best EDF, Best Warbird, Best Civilian, Best ARF Bash
- Food sold on site for donations

Limits:

- No Smoking in Pits or flightline
- No 3D Flying or Turbines
- Must follow all OCMA safety rules
- 5 pilots flying at a time

Schedule:

- 7am - Swap Meet Begins, Pilot and Judged Flying Registration Begins
- 7:30am - Pilots Meeting
- 7:45am - Rubber Powered Mass Launch and Scale FF Competition
- 8:15am - Open Flying Begins
- 9am - Scale Competition Seminar Begins, Open to spectators, Free to everyone. Special Guest Speaker: Curtis Kitteringham
- 10am Judged Flying Begins
- 10:30am - Cooked Lunch Foods Start
- 12pm - Lunch Break, Open flying continues
- 1pm - Cooked Food Ends, snacks and drinks still available
- 3pm - Awards

Requirements:

- Pilots must fly Scale Aircraft
- AMA
- Fire Extinguisher
- Spectators, Pilots, Attendees must sign Liability Waiver

For More Information and To
Pre-Register Visit:

WWW.RCFlightDeck.com
WWW.ScaleSquadron.com

1ST QUALIFER FOR THE NEW SCALE MASTERS SEASON!

October 4 and 5, 2014

Victor Valley RC Flyers - VVRCF - 7000 Arrowhead Lake Road, Hesperia, CA

The Scale Masters Qualifier, Hosted by the VVRCF is an event designed to qualify scale-model pilots to compete and qualify for the Scale Masters National Championships held in Sept/Oct 2015 (TBA). Scale Masters has competition categories for Scale Modelers of all skill levels. From Pro-Am-Sport beginners flying Scale ARF or RTF aircraft to national-level competitors, if you're interested in competing with a scale airplane, this Qualifer has a category for you!

This is a Competition - Scale Masters Rules will be followed!

But, don't forget, Scale ARF Airplanes WELCOME!

Entry Fee- 30 dollars for the 1st class, 20 for the 2nd.

For Scale Masters Rules

<http://www.usscalemasters.org/forumsmf2/index.php?action=tpmod;dl=item111>

Classes:

Expert - Top-Level - This category is for the builder-pilot and is the only category from which the Grand Champion is determined at the Championship Event.

Team: Pilot/Builder work as a team. Full Documentation Required.

Advanced: This category is available for top-level pilots using aircraft that are not governed by the Builder of Model (BOM) rule. Full Documentation Required.

ProAm/Pro: ProAm/Pro: Fly any scale plane - includes purchased, modeler-built or factory-built scale models including ARF/ARC, Documentation: only a picture of a real plane that is the same model/type as your RC model.

ProAm/Sportsman: For the true rank-beginner. Same basic outline as the ProAm-Pro

Questions? Contact: Ronnie Espolt (310-344-3140), email: airseamach@aol.com

Food Available on-site. Free Camping (dry on-site Fri & Sat Night).

NO TURBINES. Field: Paved 500+ Foot Runway w/covered Pit Area.

Schedule of Events:

7am - Registration

8am - Pilots Meeting

8:15am Static Judging Begins

9am - Flying Comp Begins

Subject to change

Presented by:

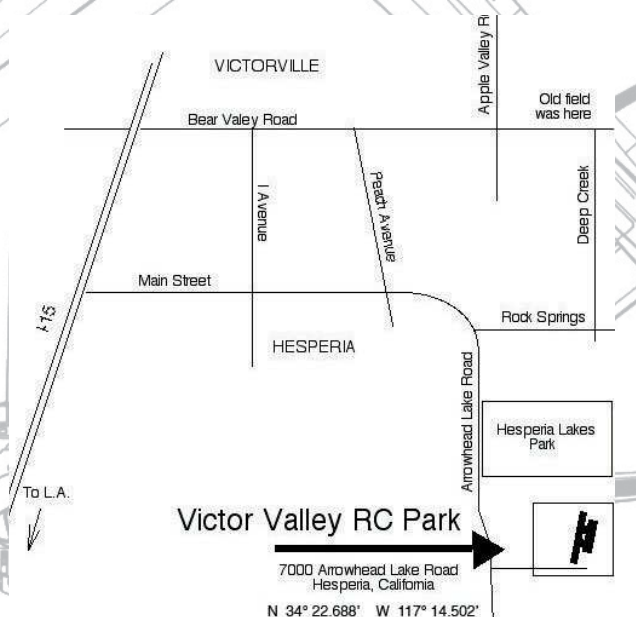


www.scalesquadron.com

Hosted by:



www.vvrcf.org



October 25-26 2014

Prado Airpark, Chino, CA

5th

Annual



Open to all Electric Aircraft & EDF Jets

***Premier Flying Site**

***Beautiful 800 x 60 ft. paved runway
with large unobstructed over-fly**

***RV Dry Camping @ field \$10 a day**

***Electric Vendors**

***Food on Site**

***Night Flying**

***Saturday Night Banquet**

***General Public Raffle**

***Sanction # 1934**

an AMA Sanctioned Event Hosted by The Pomona Valley Model Airplane Club (PVMAC)

For details, please visit: www.pvmac.com

First 50 Pre-registered get a FREE Event Hat.

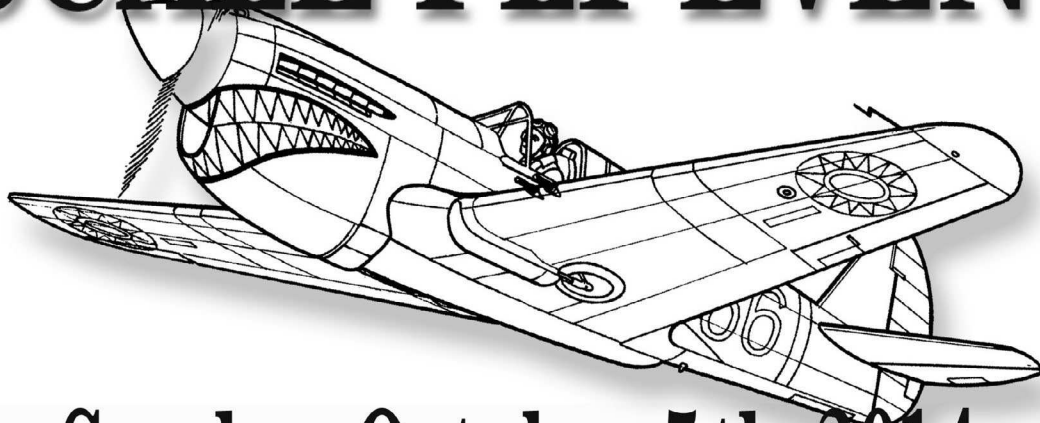
Pre-reg. = \$25.00 @ field Reg. \$30.00

cd Randy Wilbur rwilbur@videotecheng.com / Joni Whitsitt whitsittjo@gmail.com

(949) 683-9662

(714) 396-2523

CIRCLE CITY FLYERS SCALE FLY EVENT

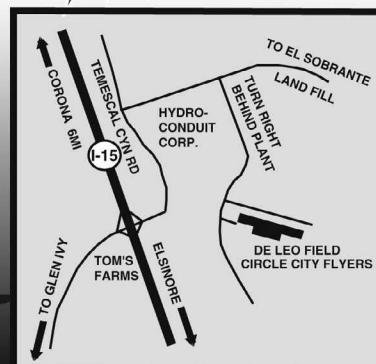


Sunday, October 5th, 2014
8:30 am to 1:30 pm

Pilot sign up time: 7:30am - \$10.00 Entry Fee (pilot gets one raffle ticket)

- Gas, Glow, and electric are all welcome. Only scale models of any era will fly.
- AMA Membership Required.
- Club spotters will be available for jets and larger models as well as designated start up areas.
- Awards presented at 1:45 pm. Awards: Plaques 1st, 2nd and 3rd also 3 honorable mention ribbons. "All awards will be voted by those attending."
- Designated parking available, first come first serve.
- Food and drinks available.

RAFFLE
at 1:30 pm -
Tickets: \$1:00



Contest Director: Danny Salas

Jesse Paz Event Coordinator

The Model Aircraft Association Presents

The 2014 Dawn Patrol

Black Star Aerodrome

Irvine Lake, California

**In Recognition Of The 100th Anniversary Of
The Start Of World War I**

**Open To All WWI Airplanes - Small Electric Foamies to
Giant Museum Scale - Flying Models - Static Display -
Construction Projects - Visitors Welcome!**

- **Mass Launches**
- **Balloon Busting**
- **Fun WWI Themed Missions**
- **WWI Re-Enactors in Uniform**
- **Antique Military Vehicles & Equipment**
- **Vendor Area**
- **Swap Shop**



Be There!

October 18-19, 2014

**For Information Email: Events@SCDawnPatrol
Or See Our Web Site At: www.SCDawnPatrol.com**

ONE EIGHTH AIR FORCE SCALE FLY-IN



FALL

2014

OCTOBER 18-19

ALL TYPES OF SCALE MODELS WELCOME



FEATURING:

- SATURDAY NIGHT DINNER AT THE FIELD
- OEAF'S UNIQUE AWARDS IN MANY CATEGORIES

REGISTRATION STARTS SAT. AT 0730 HRS

\$20 PER PILOT LANDING FEE - AMA REQUIRED

PARKING DONATION - \$5.00



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COMMANDER JOHN GEYER 602-810-1767
jegeyer@centurylink.net

CD GENE PETERSON 603-579-0925
az49er@cox.net



CLUB MEMBER NEWS

★ New Products ★ Deals ★ Events ★ Coupons ★

SEPT.
2014



TIME TO RECORD ALL THE ACTION!

Now is the best time to buy your BOSCAM HD08A 1080P Full HD Waterproof Mini Sports Camera w/170° Wide-Angle Lens for RC Quadcopters, Aircraft and More! This mini sports camera is perfect for recording high-definition 1080P video from your choice of R/C.



It's an ideal alternative to GoPro™ brand cameras.

Features:

- Record Full HD 1080P Video
- Small and Lightweight - Ideal for Use with Larger Quadcopters, Aircraft, Cars and Boats
- Ultra Wide-Angle 170° Field of View
- Includes Waterproof Case and Various Mounting Attachments
- Dual 32G Micro SD Card Support (Micro SD Cards Not Included)
- Built-In 1.5" High-Resolution Display
- Front Panel LED Indicators



No. 193200

Reg. \$179.99

SAVE \$40!
139⁹⁹

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Other companies offer lithium polymer batteries, but at a price too high to afford. Hobby People works hard to bring you the best deals on the best Li-Po batteries!

LARGE CAPACITY LI-POs ON SALE!

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You Save \$10.00! ↗

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You Save \$10.00! ↗

No. 118403-- 18.5V 5000mah (5S) 30C LiPo, Reg \$99.99, **Club Mem. 79.99**

You Save \$20.00! ↗

No. 118407-- 11.1V 6500mah (3S) 30C LiPo, Reg \$79.99, **Club Mem. 69.99**

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No. 118408-- 14.8V 6500mah (4S) 30C LiPo, Reg \$99.99, **Club Mem. 84.99**

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No. 118409-- 18.5V 6500mah (5S) 30C LiPo, Reg \$119.99, **Club Mem. 99.99**

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SAVE \$40!

No. 160013, Reg \$119.99

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*Valid Sep. 1 through Sep. 30, 2014 -- Retail store sales only, must present coupon at time of purchase for discount. Cannot be combined with other offers.

Find A Store: 1-866-HOBBY4U

hobbypeople.net



*** * FIRE HAZARD * ***

IMPORTANT SAFETY INSTRUCTIONS AND WARNINGS FOR LITHIUM POLYMER (LIPO) BATTERIES

You must read this document prior to charging and using your Lithium Polymer (LiPo) battery. Failure to read and understand the information contained in this document may result in fire, property damage, personal injury and/or loss of life.



LiPo batteries are now commonly used in many R/C cars, boats, aircraft, helicopters and quadcopters. They offer many advantages over Ni-Cd and Ni-MH batteries, however, LiPo batteries are significantly more volatile and require that you pay careful attention when charging, discharging, using and storing them. Failure to comply with the safety guidelines in this document may result in damage to your battery, property damage, fire, personal injury and/or loss of life.



When a LiPo battery is charged or discharged improperly, used improperly, or stored improperly; or if you misuse or abuse it in any way, the battery may explode and catch fire.

BY USING LIPO BATTERIES, YOU ASSUME ALL RISK AND LIABILITY ASSOCIATED WITH THEIR USE. ALWAYS USE, CHARGE AND STORE IN OR ON A FIRE-PROOF SURFACE. NEVER CHARGE UNATTENDED. ADULT SUPERVISION REQUIRED. THINK SAFETY FIRST!

General Overview, Guidelines and Warnings:

Before using your LiPo batteries, you should familiarize yourself with them. Having basic knowledge of LiPo batteries will help ensure your safety.

- Most LiPo batteries feature two different sets of wires. One set of wires (usually one black and one red) is the power lead. The connector on this lead is plugged into your ESC, receiver or charger power connector. The second set of wires feature a white balance connector. This connector is used for charging the battery with a Lithium balance charger.
- If you need to change the power connector, solder a new power connector directly to the already preinstalled power lead, making sure to carefully observe correct polarity (red is positive and black is negative). Never solder directly to the battery and always pay careful attention to the polarity when plugging the power lead into your ESC, receiver or charger power connector!

Never solder directly to the battery or connect with reverse polarity, which can cause the battery to explode and catch fire!

- Never attempt to change the white balance connector. If the balance connector does not match the balance port on your Lithium balance charger, use an adapter (available from most hobby stores) to make the connection.
- 1S (single cell) LiPo batteries will not feature a balance connector. These batteries can be safely charged through the power lead. 2S (two cell) and greater LiPo batteries should always be charged through the balance connector with a Lithium balance charger.

Never charge a 2S or greater LiPo battery without a Lithium balance charger or the battery will explode and catch fire!

- Hard case LiPo batteries, like those commonly used in R/C cars and trucks, often don't have preinstalled wire leads. These batteries typically use a power-charge harness. The same guidelines described above apply to these batteries as well. Pay careful attention to the polarity when plugging the power-charge harness into the battery and when plugging the power lead into your ESC or charger power connector!

Do not connect with reverse polarity. Connecting with reverse polarity can cause the battery to explode and catch fire!

- Never allow LiPo batteries to drop below 3.0 volts per cell. When used with an ESC, make sure that your ESC is designed for use with LiPo batteries and that the cut-off voltage is set to 3.0 volts per cell or higher. 3.2 volts per cell is recommended to be safe.

Allowing the voltage to drop below 3.0 volts per cell can result in damage to the battery. Charging or using a damaged battery can cause the battery to explode and catch fire!

- LiPo batteries feature a discharge value that's typically printed on the label (for example, 25C). This value is the maximum discharge rate the battery is rated for and it should not be exceeded. To determine the maximum discharge rate in amps of a LiPo battery, multiply battery's capacity by the discharge value and divide by 1000. For example, if you have a 3000mAh 25C battery multiply 3000mAh x 25 (25C) and divide by 1000 = 77 amps. The amp draw should not exceed 77 amps. Amp draw can be measured using a Watt Meter (available from most hobby stores).

Using a LiPo battery in an application that draws more current than the battery is rated for can cause the battery to overheat, swell, explode and catch fire!

Charging - Discharging Guidelines and Warnings:

Follow the information in this section to safely charge and discharge your LiPo batteries. Always follow the charging - discharging guidelines for your battery carefully and use common sense at all times. Always err on the side of safety.

- Prior to charging your LiPo battery, carefully make a visual inspection of the battery. Look for any signs of damage, such as frayed wires, damaged connectors, cracks in the heat-shrink wrap or plastic case, swelling or other irregularities. If the damage cannot be fixed and/or if the battery is swelled, it should be discarded. For more information, see the Disposal Guidelines section on back.

If you notice any damage or if you notice the battery swelled at all, do not charge it! Charging a damaged battery can cause the battery to explode and catch fire!

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JET HANGAR

HOBBIES

