



THE FLIGHTLINE



AMA CLUB 668 SINCE 1968
RACINE RADIO CONTROL CLUB INC SINCE 1968

RRCC April Issue
April 16, 2023 Newsletter

WE ARE ON THE WEB
www.racinerclub.com

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Racine R/C Club Meeting Minutes

March 19, 2023

Time: 1:00 PM

Location: R/C Flying Field

Open Meeting - Jim opened the meeting at 1:00PM. 18 members were present.

Welcome - New Members & Guests - No new members or guest were present.

Minutes - Last Meeting - There are no changes to last month's meeting minutes.

Reports

President-Jim Litwin reported the combinations lock codes have been changed. If you have not paid your dues for 2023 you will not be able to open the gates or the club house door.

Vice President- Roger Nickolaus reported the banquet went very well and we had a good turnout at 41 members and guests. The food was good and a special thank you to Chuck Roberts for the extra gifts. The cost to the club was \$0.00 as member banquet fees covered the event.

Secretary/Treasurer-Bob Johnson
Current membership as of this newsletter.

Senior Members	38
Open Members	12
Junior Members	<u>2</u>
Total	52

General Fund-Continues to be healthy. We are well positioned to deal with any expenses (planned or otherwise) for the balance of 2023.

For those members mailing their dues, please include a self-addressed stamped envelope with your check and proof of AMA membership.

Newsletter Editor-Dennis Vollrath had nothing new to report.

Field Chairman- Trygve Smalley was not present.

Tractor Chairman- Eric Armantrout had nothing new to report.

Web Master-Ron Hayes had nothing new to report.

Safety Officer-Darrell Hossalla had nothing new to report

Compost Director- Chuck Roberts reported all 1st slots are filled. Five 2nd slots have been booked and all new members have been notified.

Old Business- Nothing to discuss.

New Business – No new business to discuss.

New Pilots – None

Show & Tell – Rich Smentek showed a miniature working model of a Harley Davidson V Twin Pan Head motor. Rich had a bit of a problem getting to run but he said it runs great. We'll take his word for it!!

Mark Dillard has control line model engines for sale.

Raffle Drawing – Steve Navone won the Raffle. Total was \$22.00 with \$11.00 going to the club and \$11.00 to Steve.

Close Meeting – Jim closed the meeting with a reminder the next club meeting will be Sunday April 16th at 1PM at the field.

JIM'S CORNER

Spring has made its grand entrance with some goofy weather. Lots of rain, strong winds and some hail thrown in for good effect. All of which do not work well with RC flying, but rest assured, flying weather is coming,..... Someday!

As I write this article, we are doing our first day of the year at the compost site. At this point, the Village as placed orange barrels on the east side of the big brush pile to discourage people from unloading there. They want all the brush, branches, etc. dumped on the west side of the brush pile, mainly so you are able to watch as best as you can to insure no milled lumber, boards, etc. is dumped into the pile.

We are still not ready to ready to start grass cutting or other field maintenance, but as the week's progress and the field dries out it will be cut when needed and rolled.

We have not heard anything further from the AMA about the registration of our field location with the FAA, but there are several months for that effective date to kick in.

If you have been hanging out at the field, you may have overheard some conversations about the annual pilgrimage to the largest RC flying event in the United States, at the Triple Tree "Joe Nall" event.

This event hosts 1,200 – 1,500 RC pilots and roughly 15,000 visitors. At this point there will be 12 club members attending this weeklong event the second week of May. It's basically the EAA event for RC flying.

We say it all the time, but now is the time to be checking out your planes and flying equipment to insure it's ready for the flying season. It also gives you the opportunity to order replacement stuff, like batteries, props, etc. that might be in demand now and could be backordered.

Our next meeting is Sunday, April 16th, 2023 at the field at 1PM.

Hope to see you then.

Fly Safe & Have Fun

Jim Litwin

President

Dennys Stuff

OK, a little bit off of topic, but.

Some of the readers of this newsletter may be aware your editor bought a new Chrysler van last month. And, I've got old key fobs from my 2011 van that are not useful. So, one of them was cut open, and a photo was taken of what's inside of these \$200 plus units.

FYI, this key fob is far less complex than a cheap ten dollar universal TV remote control that I've also pulled apart. At most, the key fob in this photo has less than \$10.00 worth of parts, including the case its in.

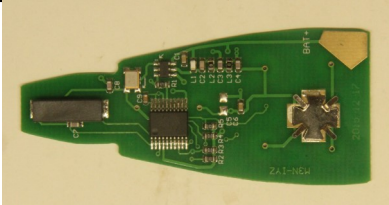
Making Custom Servo Extensions.

While my camera is out, I've taken a bunch of photos of what is involved in making up your own servo extensions. Or, replacing a damaged servo connect- or plug or similar requirement.

I've been making up those servo plugs for many years, and believe me, I've used just about every crimping tool for these connectors that is out there. At work, some were worth over \$1200.00!

And, I've also used a variety of servo pin kits. This is NOT the place to play cheap in materials, or tools for doing your own servo connector assembly.

Starting off, here is a photo of the tools needed for crimping your own servo cables.



The orange handled tool is the Engineer PAD-11 crimping tool. Amazon has it for \$65.00. The wire stripping tool was found at Menards, Home Depot or Ace Hardware. Don't scrimp on either of these two tools. Not worth it. You also need a magnifying visor to see what you are doing.

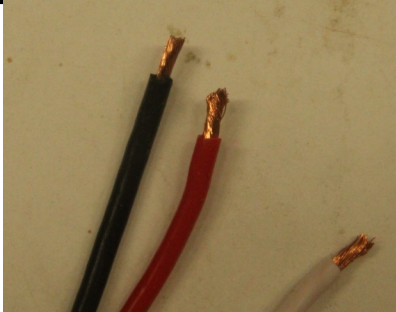
The jewelers screwdriver has its point ground down to allow using it to push the pins into the housing after the crimp job. Next, you need the servo pin kits. Max Products has the best servo pin kits out there. And, I've looked at them all.



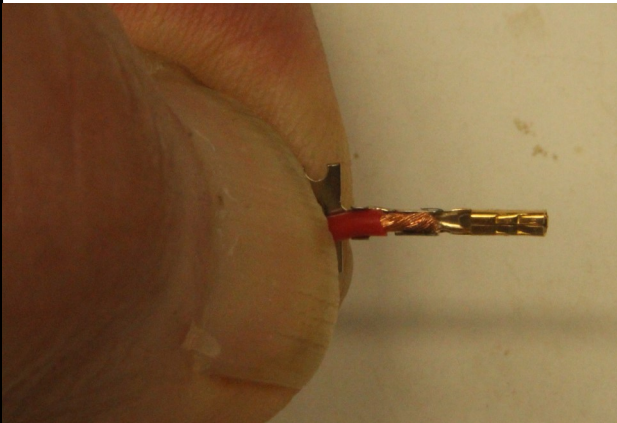
Starting off, Cut the pins out of the pin strips as shown to the right. Leave the rectangular tabs on the terminals to make a little "Handle" to hold the terminal and wire assembly while crimping the units.



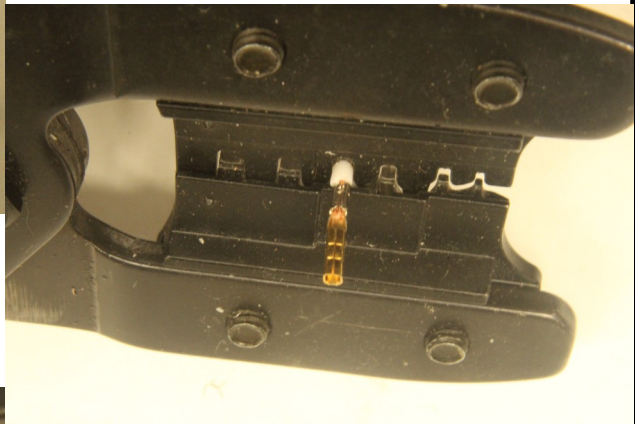
Next, use the wire stripper to strip the insulation off of the servo lead wires. Strip off sufficient insulation such that the bare leads will fill the wire crimping area of the terminals.



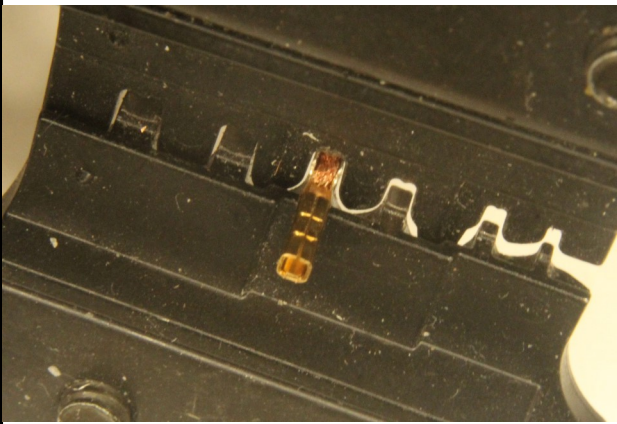
Now, move the terminal to the 1.3 mm jaws of the crimping tool, and fully crimp the terminal around the copper wire strands.



Hold the pin and wire as shown, making certain that the lead wire strands are below the wings of the terminal, and are centered in the crimping area.

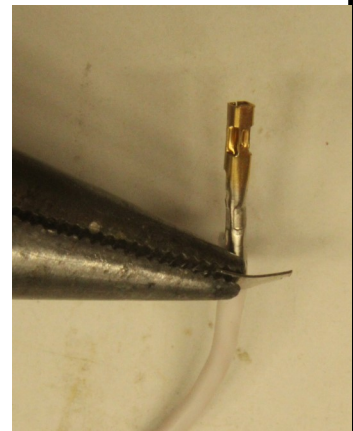


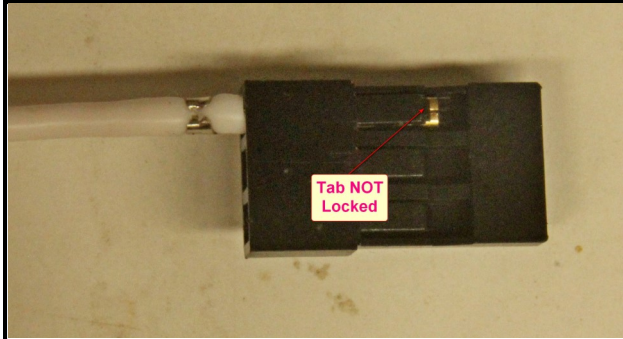
Finally, crimp the wire insulation restraint around the insulation of the wire. Slightly crimp with the 2.2 mm jaw, move to the 1.9 mm jaw, crimp a little more, and finish with the 1.6 mm jaw. The terminal wings should be snug around the insulation.



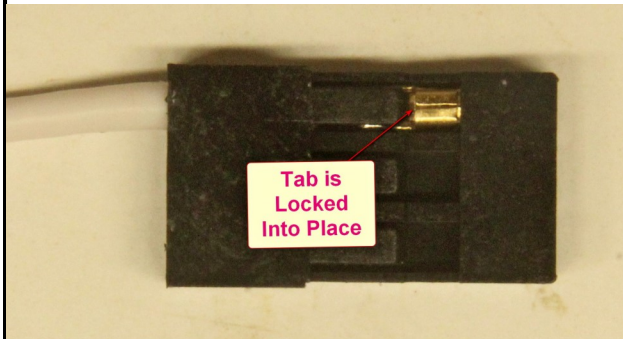
Next, **SLIGHTLY** crimp the terminal using the 1.6 mm jaws of the Engineer PAD-11 crimping tool. Just crimp the terminal sufficient to close the wings to where they just touch each other. Do not completely crimp the wire just yet.

Break off the tab by bending it back and forth once or twice with a needle nose pliers.





Next, insert the lead wire into the connector housing. Watch wire location!



Use the modified jewelers screwdriver to push the terminal fully into the housing. Make certain that the tab has locked in the terminal.

Last, but not least, verify that you do not have any reversed wires, by checking your cable against a cable known to be properly wired.

Something I've run into over the years with the **male pin/female housing** assembly.

Sometimes the male pins in the female housing are "Off Center", making it not possible to insert the corresponding connector into your new plug.

A quick way to handle this is **BEFORE** inserting the male pin and its housing into the hollow shell for the female housing.

Take the male pin housing with the three male pins sticking out, and plug it into another servo extension. Look at the two plugged in together sideways, and note if the pins are straight. If not, take the

male pin housing and female pin housing and slightly bend the pins so the male pins stick out straight, and don't curve up or down.

Then slide the hollow shell over the male pins and housing.

As a matter of cost, the servo pin kits are available from Maxx Products for about \$1.25 a connector. The servo wire is around \$1.50 a foot. So, a four foot extension will cost about \$2.50 for the connectors, and \$6.00 for the wire.

[Male and Female Plug Kits — MPI Hobby](#)

RadicalRC sells #20 gauge silicon insulated wire by the foot with a 10 foot minimum. IE, 50 feet is around \$80.00.

[Radio Plugs, Wire, Etc. - Wire, Servo and Battery Radical RC](#)

This should place some light on building your own servo extensions.

You don't save much money doing your own, but, you do have the option of making servo extensions exactly how long is needed. And, you do not have to stock a half dozen different size servo extensions.

That can come in quite handy for those giant scale models with servo extensions of three or four feet.

Add to this, you have the luxury of knowing that the terminals of your assembled servo extensions have been properly crimped together. Unfortunately, I've run into way to many brand new manufactured servo extensions that had high resistance servo connections.

A number of the RRCC club members have purchased my "SwitchIR" meter that will readily identify any problems with servo extensions and/or receiver switches.

Denny Vollrath

RRCC newsletter editor.

South East Wisconsin RC Club Events

(This schedule came from the RC Association)

Date	Club	Event
1 * Sat Apr 8	Model Engine Collector's Association (MECA)	Collecto and Hobby Swap Meet
2 * Sat Jun 3	Circle Masters Flying Club at Sussex Village Park	Control Line Open Fun Fly
3 Sat Jun 10	Fond Du Lac Aeromodelers Association	Open Fun-Fly
4 * Sat Jun 24 (rain date Sun Jun 25)	Sky Ranch Flyers	Fun Fly
5 * Sat Jul 8	Bong Eagles	Old Timer Contest
6 * Sun Jul 9	Flying Electrons	Scale Event
7 Sun Jul 9	Racine RC Club	Club-Only Picnic
8 * Sat Jul 15 (rain date Sun Jul 16)	Astrowings of Wisconsin	Charity Fun Fly
9 * Sat Jul 22 (rain date Sun Jul 23)	Southeastern Wisconsin Area Rotary Modelers (SWARM)	Friend Fly
10 * Sun Jul 23	Flying Electrons	Electric Fly In
11 * Mon Jul 24 to Sun Jul 29	Circle Masters Flying Club	EAA KidVenture - Oshkosh
12 * Sat Aug 5 (rain date Sun Aug 6)	Milwaukee Area Radio Kontrol Society (MARKS)	Float Fly DNR Bong
13 * Sat Aug 5	Bong Eagles	All Free Flight Contest
14 * Sat Aug 5	Rubicon Area Flyers	Fun Fly
15 * Sun Aug 6	Circle Masters Flying Club	Annual Control Line Contest
16 * Sat Aug 12 (rain date Sun Aug 13)	Flying Electrons	Airfest, Fly-In Benefit Troop #110
17 * Thu Aug 17 - Sat Aug 19	Fond Du Lac Aeromodelers Association	Warbirds and Classics Over Midwest
18 * Sun Aug 20	Fond Du Lac Aeromodelers Association	Open Fun Fly
19 Sun Aug 20	Racine RC Club	Open House
20 * Sat Aug 26 * Sun Aug 27	Circle Masters Flying Club (might not fly on Aug 26 due to possible car show)	Demo Flying, Sussex Antique Farm Implement Show
21 * Sat Sep 9 (rain date Sun Sep 10)	Flying Electrons	Fly-In and Swap Meet
22 Sun Sep 10	Watertown Aeromodelers RC Club at Watertown Municipal Airport	Open house and pancake breakfast with flying demos
23 * Sat Sep 16 to Sun Sep 17	Flying Electrons	Pattern Contest
24 * Sat Sep 16 (rain date Sun Sep 17)	Rainbow Aero Modelers Society (RAMS) and Southeastern Wisconsin Area Rotary Modelers (SWARM)	Joint Club-Only Picnic
25 * Sat Oct 7	Model Engine Collector's Association (MECA)	Collecto and Hobby Swap Meet
26 * Fri Oct 20 to Sun Oct 22	all clubs invited to participate and promote (possibly at Discovery World)	Maker Faire

For EAA KidVenture, volunteers get free admission, good free parking, a T-shirt, and lunch for about 3 hours of time (with breaks if needed). Contact Chris Sterner.

Laurie will include club events and dates (excluding club-only events) on the Association's Facebook page. Each event will include a link to the club's web site.

Lakeland RC Club is hosting no event this year due to losing their field.

COMPOST SCHEDULE 2023

Date	Time	Name(1)	Name(2)	Substitute
04/05/23	12-2	Darrel (Hoss) Hos-salla	Ronald Hayes	Tim Brehm
04/05/23	2-4	Darrel (Hoss) Hos-salla	Ronald Hayes	Tim Brehm
04/05/23	4-6	Justin Francisco	Ronald Hayes	
04/12/23	12-2	Roger Nickolaus	Mark Dillard	
04/12/23	2-4	Roger Nickolaus	Mark Dillard	
04/12/23	4-6	Justin Francisco	Mark Dillard	
04/19/23	12-2	Roger Nickolaus	Paul Williams	
04/19/23	2-4	Darrel (Hoss) Hos-salla	Paul Williams	Tim Brehm
04/19/23	4-6	Jerry Rose	Paul Williams	
04/26/23	12-2	Trygve Smalley		
04/26/23	2-4	Jim Smith		
04/26/23	4-6	Jerry Rose	Cal Thomas	
05/03/23	12-2	Arland Matson		
05/03/23	2-4	Rich Smentek	Cal Thomas	
05/03/23	4-6	Jerry Rose		
05/10/23	12-2	Chuck Roberts		
05/10/23	2-4	Chuck Roberts		
05/10/23	4-6	Trygve Smalley		
05/17/23	12-2	Dennis Krzyzanek	Pete Luks	
05/17/23	2-4	Dennis Vollrath	Cal Thomas	
05/17/23	4-6	Arland Matson		
05/24/23	12-2	Steve Knackert		
05/24/23	2-4	Dennis Vollrath		
05/24/23	4-6	Justin Francisco		