



The Flag Bearer

A Publication of the Southeast Chapter of the NCRS
(National Corvette Restorers Society)
December 2022

Highlights:

- Chairman's Report
- 4 new Corvette enthusiasts joined our Southeast chapter in Q4
- Technical Articles on battery resoration and C5 gas guage repair

Chairman's Report

The Chapter closed out the year in great spirits with A Holiday Social and Annual meeting at the 57th Fighter Group Restaurant. The food, service, and venue were wonderful, and it was great to enjoy the company of our friends and fellow NCRS members. The Annual Meeting was held and officers were elected to serve for 2023. Officers returning are:

Chairman:	Tom Beuglas
Vice Chairman and newsletter:	Jim Krakau
Judging Chairman:	Rich Mauser

Special Thanks to Janice and Don Mason for their dedication to the chapter as they retire from their positions. We are going to miss them. Janice has been the Secretary for 10 years and Don has filled in as Vice Chairman to keep the records to allow our chapter to earn the Top Flight Award and has most recently been our Treasurer. They plan to remain as active members of our chapter.

Marianne Landis has agreed to be our new Secretary and is working with Janice to make the transition. Registration information can still go to Janice for the Corvette Expo Judging meet. Dave DelVecchio has agreed to be our Treasurer for the coming year. Dave is working with Don to complete that transition.

I know I speak for the entire chapter in thanking Marianne and Dave for being willing to assume these positions and duties. I am looking forward to another great year. Our year will start with Bryon Cooper at Corvette Expo and in addition to our judging meet Chris Henry is working on a great recruiting activity. In the summer, it's on to Buyavette for a June 24th. meet and back to Vintage Corvette in Summerville for a fall meet. All excellent indoor venues and we hope to judge lots of excellent cars.

We are looking for someone to be the National Corvette Museum Ambassador. We also would like to add someone to recruit new members. Please contact me if you have interest in either position. See you at Corvette Expo!

Thanks,
Tom Beuglas

Vice Chairman's Report

I hope everyone had a Merry Christmas and you have a prosperous New Year.

Recent events included the re-election of John Ballard as our Region IV Director in October. Congratulations John. We look forward to seeing you at our judging meets in 2023.

Tom mentioned our annual Christmas social event and annual meeting. During the year we sell raffle tickets for our annual 50/50 raffle and we hold the drawing at the this Christmas social. This year's winner was Tom Bueglas – congratulations. Tom chose to gift his portion of the jackpot to our designated charity, the Gary Sinise Foundation. With Tom's gift, the contribution to this charity is \$1,000 and we will request NCRS National to match this gift.

Per Janice's note below, our chapter has reached the milestone of 100 members. We look forward to meeting our new and existing members at our 2023 events.

Thanks
Jim Krakau

Museum Ambassador's Report

The NCM has completed another successful year of operation and already has its sights set on full year for 2023. As is customary the museum begins its event year with the Michelin NCM Bash which for 2023 will be April 27 – 29. Registration is now open for this annual premier event for the museum. 2023 will also mark the 29th year of operation for the museum and the anniversary celebration will be August 31 – September 2. Registration will not open until May for this event at which time the full schedule of events will be available.

Currently there is a special exhibit of Callaway Corvettes at the museum which shows off the performance and craftsmanship that went into these special cars. Opening early in 2023 will be the McMichael family education gallery. This is a 2000 sq. ft. state of the art education experience for the next generation of corvette enthusiasts, engineers, designers and more. And, of course, all of our favorite exhibits continue to be open at the museum.

As a reminder, if you are looking for documentation in the way of build sheets or window stickers, the museum can provide you with these documents on any corvette built at the bowling green assembly plant since it started production in 1981. Speaking of the assembly plant, tours are currently open and can be booked through the NCM website thru March 2023. They were discontinued over the holidays but will resume 1/3/23.

I always try to encourage you to participate in the corvette raffles because a lot of the day-to-day operating costs of the museum are generated thru raffle sales. The next three raffles are as follows:

- 1/19/23: 2023 build your own stingray or \$80,000 in cash. Tickets are \$250.00 each with a maximum of 1500 tickets to be sold. As of this writing 1125 tickets remain available to purchase
- 2/9/23: 2023 hypersonic gray coupe. Tickets are \$150.00 with a maximum of 1500 to be sold. As of this writing 1236 tickets remain available to purchase.
- 4/29/23: 2023 torch red convertible. Tickets are \$20.00 each with an unlimited number to be sold. Note: this raffle coincides with the NCM Bash.

Across the street at the motorsports park there are already 10 events scheduled thru March 2023. Check on the museum website for these events. <https://www.corvettemuseum.org/explore/events/>

This is my last report to you as your museum ambassador. Thanks for your support over the years. Janice and I are not leaving the chapter but are just trying to simplify our lives in our retirement. We look forward to seeing all of you in March at the expo in Pigeon Forge.

Don Mason,
Museum Ambassador

Secretary / Membership Report

From the Desk of Janice Mason, Southeast Chapter Secretary/ Membership/Event Administrator

I am happy to report we have added four new members and to our chapter since the last edition of the Flagbearer. Please join me in welcoming:

November: Jeff Marcus 69794
Mobile, AL

December: Tony Chambliss 69401
Monroe, GA 30656

Robin Richardson 60679
Collierville, TN 38017

Ronnie Wallace 69904
Rome, GA 30161

As of December 30th, we have a total of 100 members.

I continue to get reports from the NCRS on new members who have joined the NCRS National and who live in our region. Hopefully follow-up with these contacts will continue to result in adding new members to our Chapter.

Dues help to ensure the Chapter's continued success in fulfilling its purpose of preservation, restoration, and enjoyment of early Corvettes and to conduct meetings, tours, and programs of any sort relating to the development and history of Corvettes.

Dues may be paid online at NCRS.org, services, renewal membership, or by mail to the address below. Chapter dues are \$30 per year. I am attempting to send out renewal notices on a monthly basis. However, you may contact me at any time if you are unsure about the status of your dues.

This will be my last letter as Chapter Secretary/Membership Manager. Please join me in welcoming Marianne Landis as the Southeast Chapter's new Secretary and Membership Manager. Marianne and Dave have become very active members in the chapter and friends as well. Marianne will do a fantastic job. I hope you will be as supportive to Marianne as you have been to me over the past 10+ years.

I have agreed to help manage the registrations for the March event in Pigeon Forge while Marianne is trained to take over all the secretarial duties and responsibilities. You will receive notification of Marianne's contact information when she assumes responsibility for this position.

Wishing you all the very best in the new year to come.

Janice Mason
P.O. Box 353, Locust Grove GA 30248
ncrs.sec@yahoo.com
Cell: 770-757-5677.

Treasurer's Report

OCT – DEC 2022	
BEGINNING BALANCE	\$15,969.98
DEPOSITS: Dues and Event Registrations	\$2172.48
EXPENSES: Fall Color Tour Expenses	(\$1,722.30)
Donation (Gary Sinise Foundation)	(\$1,000.00)
Chapter Holiday Dinner	(\$2,575.27)
ENDING BALANCE 12/31/22	\$12,844.89

Communications

Charity Auction Benefiting the Gary Sinise Foundation

Each year, our chapter is honored to solicit contributions for the Gary Sinise Foundation through a 50/50 charity raffle we conduct. The Gary Sinise Foundation was established under the philanthropic direction of actor Gary Sinise, who has been an advocate of our nation's defenders for nearly forty years. Our mission is to serve our nation by honoring our defenders, veterans, first responders, their families, and those in need. Our programs, designed to entertain, educate, n strengthen, build communities, serve America's heroes and their loved ones 365 days a year. Follow this link to learn more about this worthy charity: <https://www.garysinisefoundation.org/>

During 2023, we will be offering raffle tickets at each of our judging meets and at the annual Christmas party. The raffle is a 50/50 raffle, with 50% of the collected amount awarded to the winner. The remaining 50% is contributed to the above charity along with a matching contribution awarded by NCRS. Ticket prices are \$10 each, 4 for \$30, 5 for \$40 and 7 for \$50.

Become a NCRS-SE Chapter follower and contributor on Facebook to stay in touch between newsletters and share your Corvette experiences, <https://www.facebook.com/NCRSSEC?ref=profile>.

Jim Krakau

Member's Awards & Recognitions

Please let me know if you have received recent awards that I have missed.

Regional Director's Report

In Kentucky, we have ice, snow, wind and a -20 temperature. The six inches of snow with freesong wind and power failures on Christmas was a handful. Fortunately, the 44th Florida winter regional will be in sunny Lakeland, Florida on February 22nd to 25th. At the present time, there are 35 Flight cars, 6 PV's, 3 concours and 75 registrations for Dave Brigham's presentation.

John C. Ballard
C1, C2, C3 Corvette Specialist / NCRS and Bloomington Gold Judge
johncballard40@gmail.com

NCRS registered marks used in the Southeast Chapter Flag Bearer include NCRS Founders Award ®; NCRS Judge Award ®; NCRS Performance Verification Award ®; NCRS Flight Award ®; and NCRS Sportsman Award ®. These are registered with the United States Department of Commerce and Trademark Office. The NCRS American Heritage Awards application is pending.



MEMBERSHIP AUTO RENEWAL

Renew Membership Now online through the NCRS Online Store. You can renew for ONE year or TWO years at a time if you like.
http://www.ncrs.org/shop/index.php?main_page=index&cPath=65

National Corvette Restorers Society www.ncrs.org

National Corvette Museum
www.corvettemuseum.com

Southeast Chapter NCRS
www.sec.ncrs.org

Technical Articles

Renewing a Restoration Battery

By Dave DelVecchio – NCRS #16111

When I acquired my Sunfire Yellow 1967 convertible in early 2022, the previous owner had included a reproduction Delco R59 battery. He stated that since the battery was six years old, he had replaced it with a new style AC Delco maintenance-free battery. So, he gave me the old reproduction battery along with a battery charger/maintainer designed for Absorbed Glass Mat (AGM) batteries. An AGM battery was inside the reproduction battery case, which is typically how most reproduction batteries are configured.



I spent the summer getting the car ready for our October NCRS Chapter Meet by addressing a number of items on the car. In September, I charged up the reproduction battery and installed it in the car. The car started right up and ran well. However, after driving it a short distance, shutting the engine off, and then attempting to restart the car, the battery just barely had enough energy to start the engine. It struggled enough that I was concerned it would not perform properly (or may not start the engine at all) when bringing the car to our chapter meet. I checked the battery cables, cleaned the battery posts, and recharged the battery, but it appeared the battery was too tired to do the job.

New restoration batteries are available from at least one manufacturer in Ohio, but their lead time is usually several months, and the cost with sales tax and shipping is around \$400. So, with limited time prior to the upcoming judging event, I decided to open up the old restoration battery and perhaps replace the small AGM battery inside if I could find one in time.

I first cut open the top of the battery case. There is a one inch tall lip on the upper sides of the battery case, so I cut just below this lip on all four sides using a hack saw. I did not want to use a saber saw or reciprocating saw because I was not

sure where exactly the cables were located inside, and the hack saw allowed me to carefully cut just into the thickness of the battery case and no further.



Once the top was cut free, I removed the bolts from the cables at the AGM battery and removed the battery case cover. I left the cables attached to the underside of the battery cover posts.

Upon inspection inside the battery case, it appeared the AGM battery was securely adhered into a thick layer of epoxy at the bottom of the reproduction battery case. I cut the bottom of the case open using a saber saw, making a "window" about 1/4" wider than the AGM battery on all four sides. This allowed me to remove the AGM battery from the bottom of the case along with a portion of the cured epoxy adhered to the AGM battery and the bottom of the battery case. The epoxy was about 3/4" thick and the plastic battery case bottom was about 1/4" thick. I used a reciprocating saw to cut off the battery case bottom layer from the epoxy of this rectangular section.



The next step was to identify the AGM battery to find a suitable replacement. The large label was missing from the AGM battery, but there was a small label with a part number and a date code of 06/02/15. I did a Google search for the part number and discovered that this was a discontinued model of an Odyssey battery. I was able to look up the specs of the battery and contacted the Odyssey manufacturer, EnerSys. They provided me with a replacement part number

(PC925L) that had the same specifications and exterior dimensions. I found an on-line retailer that had the battery available for \$224 including sales tax and free shipping. They also had a model with a sheet metal jacket that is more durable in high temperature conditions, so I chose that model for about \$25 more.

I fabricated a sheet of thin aluminum to close out the bottom of the battery case. I then cut a section of $\frac{3}{4}$ " plywood to act as a collar to locate the bottom of the AGM battery in the case. I attached the aluminum sheet and the plywood to the bottom of the battery case by driving four countersunk head wood screws from the bottom of the battery case up through the aluminum and the plywood.



I applied several beads of Gorilla Glue Construction Adhesive to the areas of the battery case cavity that were under and around the new AGM battery. After drying overnight and checking to ensure the AGM battery was now fully secured, I then attached the cables to the new AGM battery and glued the battery case top in place using construction adhesive. Prior to applying the adhesive, I placed painter's masking tape to the edges of the seam so that any squeeze-out of adhesive would be easier to clean up. After drying overnight, I painted the small seam of cured adhesive with satin black paint.

The finished product worked well for the October chapter meet flight judging and then several short trips for a total of 100 miles to date. I expect this updated battery will last about another six years or maybe more. If a future renewal is required, I can remove the four wood screws from the bottom of the case which will allow the removal of the AGM battery, plywood collar, and the aluminum sheet bottom cover.

I have Some Questions

Steven Heck
#47456

Do you have a C5 Corvette? Do you have a gas gauge that drops to "E" at times when driving? Have you tried the Techron additive repair with no results?

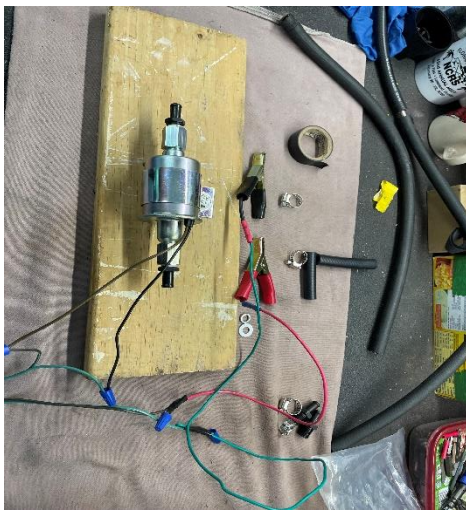
Well, I answered YES to all the above and after a frustrating year of diagnosis and repair attempts, I finally found my cure.



The problem with this concern is twofold. First, it is intermittent and by the time you get everything set up to run the four-page diagnosis sheet in the GM service manual it has reset itself and is operating properly. The second is you need a Tech 2 or equivalent to work the diagnostic sheet properly. The only code I ever got was a **P1431** which is a communication code with the secondary (right) fuel sender. Okay easy enough, replace the right fuel level sensor (after trying a few bottles of Techron). To do this I made up a small

auxiliary fuel pump using the car battery to power it. I also used a long set of power leads to keep plenty of distance between the power source and the fuel vapors.

I recommend driving the car until you have $\frac{1}{4}$ of a tank or less. Positioned the car front down and



passenger side high. This should help reduce fuel spillage when removing the unit.

The 1997-1998 C5's have fuel sending units that can be removed from the rear of the tank accessing through the rear wheel wells. I

believe that by late 1999 the sending units are moved to the top of the tanks which will require a different procedure for replacement. Here is a picture of the right-side sending unit and a picture after removal with the filter and scavenger pump attached. Upon inspection of the rheostat area of the unit I noted a burnt/discolored area. Feeling good about this repair I reassembled everything. Upon a later 45-minute test drive the failure reoccurred. Going back to the GM service manual and the communication code, I felt that it might be a poor connection in the harness to the right-side sender (which the service manual suggested might be the cause).

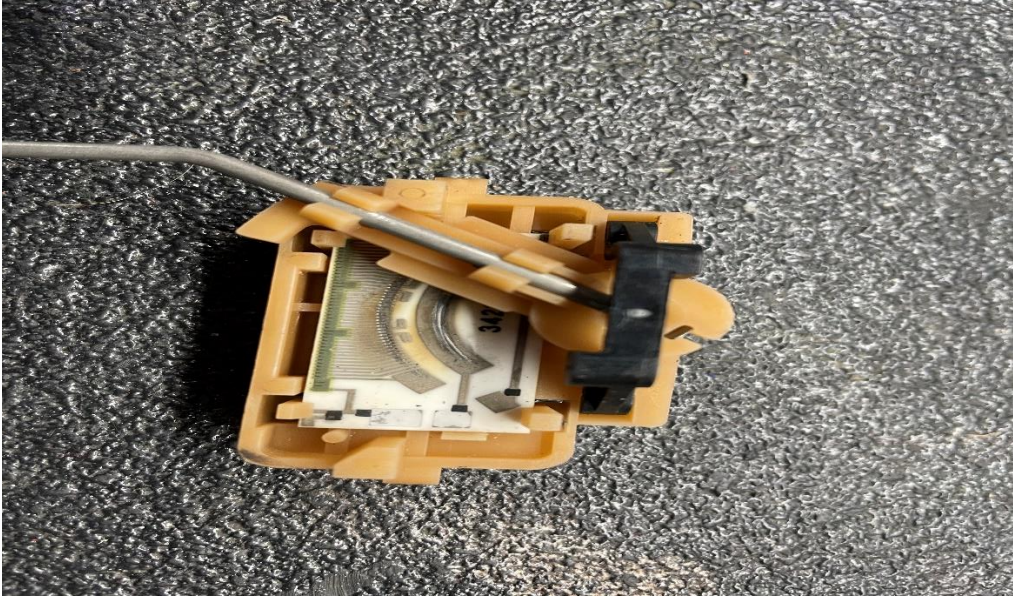
I replaced the harness running from drivers to passenger senders over the top of the transmission. Another test drive confirmed that I had gained no ground and the fuel gauge dropped to "E" again after my extended test drive.

At this point let me remind you that diagnosis showed no faults and only the history code since everything was currently working. Also, it took a 45-minute test drive to confirm success or failure.

There was another quite extensive repair attempt based on the GM flow chart but I will explain in that in another Tech Article.

Even though the code was always relating to communication with the pass sending unit and flow transfer, testing could not confirm a fault in communication or flow transfer. I decided to try an out of the box repair and take a shot in the dark. At that point the decision was made to replace the driver's

side sender and main fuel pump. Just a note that the drivers side pump is far more difficult to remove based on the large pump attached to the sending unit as well as the interference with the rear spring. Take your time and have patience, removal of the float arm and rod will help with clearance as well as turning the sending unit up and to the passenger side will allow you room to complete the job. You just need to wiggle it around a bit. Again, try to have no more than a ¼ tank and this time position car front down and driver's side high.



Here is a picture of the driver's side rheostat. You can note the dark brown areas.

The passenger sender had the same markings.

I want to also mention that the GM service manual in all of the 17 steps of diagnosis nowhere does it ever recommend replacing the left sender and pump, in fact step #15 recommends replacement of PCM.

I am happy to report after a lot of extended test drives, operation of the gas gauge is proper with no faults and no codes. Keeping my fingers crossed.

During my year of repairs, I found no helpful inputs from the internet. The only suggestion was to add Techron which I believe could be useful in some cases but noting the burnt areas of my senders and possibly an overheated fuel pump which may have reduced proper operation of the siphon pump led to the cause of my problem. In my case replacement was the only true correction.

NCRS 2023 Calendar of Events

DATE	EVENT	LOCATION
Feb. 23-25	Florida Winter Regional	Lakeland, FL
Mar. 24-25 *	Corvette Expo *	Pigeon Forge, TN
June 1-3	Altoona Regional	Altoona, PA
June 8-10	North Central Regional	Rochester, MN
June 23-24	Buyavette Summer Meet *	Atlanta, GA
July 23-27	2023 NCRS National Convention	French Lick, IN
Oct. TBD	Fall Color Tour *	Summerville, GA

Oct. 19-21

Texas Regional

Frisco, TX

- NCRS – SE Chapter Event

From Reggie Martin: Please let everyone know that the Mecum Auction begins on January 4th. 4000 Cars and Trucks will go under the hammer! Many Many Corvettes and other classic cars. 12 days of excitement! Make sure to stop and say hello to a long-term member (over 30+ years!) of the NCRS and our Southeast Chapter!

Reggie Martin (678)488-5461

Location: Osceola Heritage Park 1875 Silver Spur Lane Kissimmee, FL 34744

LeCONTE CENTER AT PIGEON FORGE

March 24 - 25, 2023

For many years our Chapter has had our spring judging event in Pigeon Forge, TN with the host being Byron Cooper's Corvette Expo. Byron has offered his event for 46 years. For the first time our Chapter intends to participate with a recruiting display in the Show-Car area. This is totally separate from our annual spring NCRS judging event. We are reaching out for one of our members to participate with a "work-in-progress example finished rolling frame" to exhibit the restoration process. Your frame will be displayed alongside a Bowtie, Duntov, Flight Judging, Concourse and Sportsman car.

Please contact Chris Henry, rem12355@nexband.com

Ron Deering sent a reminder about the annual Corvette event on May 6th at Days Chevrolet in Acworth. Full information can be found at: <http://supervettesaturday.com/>

Classic Glass Corvette Club

presents



SuperVette Saturday

May 6, 2023



2022 NCRS Southeast Chapter Officers

Chairman	Tom Beuglas	404-456-3711	beuglast@gmail.com
Vice Chairman	Jim Krakau	404-983-7333	jkrakau@ymail.com
Judging Chairman	Richard Mauser	407-230-2303	rjmauser@bellsouth.net
Secretary/Membership Mgr.	Janice Mason	770-757-5677	SENCRS@outlook.com
Treasurer	Donald Mason	770-954-9738	donaldlmason@bellsouth.net
NCM Ambassador	Donald Mason	770-954-9738	donaldlmason@bellsouth.net
Newsletter / Web Editor	Jim Krakau	404-983-7333	jkrakau@ymail.com
Region IV Director	John Ballard	502-905-3942	johncballard40@gmail.com

Correspondence to the Southeast Chapter should be sent to:

NCRS.SEC@yahoo.com

NCRS – Member News

NCRS news and minutes of the NCRS Board Meeting held on October 28, 2022 can be found at: <https://www.ncrs.org/contact/documents.php> This page has a Membership Recruitment Flyer that you can take to your car show and distribute to your friends to highlight the benefits of joining NCRS. Past Board minutes, bylaws, policies, chapter guidelines and more can be found on this page.

Classified Ads

CARS FOR SALE

For sale: 1999 Corvette Coupe, 5.7L V8 Engine, Black on Black, Manual transmission - 6 speed.

Less than 47,000 miles. No known mechanical problems, excellent condition. Very clean. New battery, tires good for many more miles. As is, no warranty.

VIN: 1G1YY22G5X5123963.

Only two owners. Originally delivered in Pennsylvania. Second owner has owned vehicle 15 years: registered vehicle in Maine in 2007 to 2017 (garaged and not driven in Winter months in Maine). Registered and driven in S. Carolina since 2017.

No accidents, clean title. Non-smoker.

Selling price: \$20,900. Will consider serious offers. Listed on Facebook Marketplace and other sites

Seller: Greg Howat 207-217-8118

.....
1984 Corvette Red exterior / grey interior, 4 speed w/overdrive and 33k original miles. I have owned for 2 1/2 years. Purchased from original owner. Don't want to sell on open market, reason I'm contacting y'all. If anyone is interested e-mail or call me.

larryrochester@att.net 864-325-4016

FOR SALE – Parts & Items

NEW IN BOXES – 1967 repo bolt on wheel set.

Complete 2.5-inch chambered exhaust system for midyear,

5 excellent repo narrow white wall tires, caps, and wheels for 1965 - used once for judging.

1968 wheels;

water pump 3782609 1961-63 core;

hubcaps 1963, 1964, 1966, PO2; 1971 original spare Firestone wide oval w/ dealer sales albums

1975, 1976, 1977, 1978; alternators 1100628 3B4, 1100693 5G30, 6J20;

Holley Carbs: 1966 427/425 33886101 Core, 1965 327/365 #3849804 Reissue no date, 1966 327/300 – 350

h.p. #3884505 Service Replacement; 1963 WCFB #3826005

1963 original windshield; 1963 -1967 replacement windshield;

3 1966 restored and dated 390HP Holley carbs;

set of 5 1967 rally wheels.

Original 1971 white letter spare tire and wheel;

3 1965 - 1966 power brake master cylinders – restored.

sets of hubcaps 1963, 1964, 1966, PO2; 1967 trim rings – restored.

Contact: Tom Beuglas (404) 456-3711 or email beuglast@gmail.com

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1964 Starter 1107320 Date Code 3 K 29 (October 29, 1963) \$75.00

Contact: **Stephen H. Byrd** (865) 250-1968 or email bunkybyrd@gmail.com

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BlackWing air filter unit complete with MAF. This is from throttle body to air filter style. \$250.00



4 new 67 bolt-on-knock-off rims from Top Flight Corvette.

4 new Cooker B.F. Goodrich redline radials, 215/70/15.

\$3,000.00 for set-up

no shipping but can possibly make delivery connections.



Contact:

Steven Heck

sheck327@gmail.com

870 small block for 63 car. Casting 3782870, A293. Great 327cu bare block. Std bore, never decked. Has original bearing caps. Block will need to go to the machine shop as it has been in my basement for 31 yrs.

AndyJordan
NCRS #12924
678-576-4418
ajvet@comcast.net

WANTED – Parts & Items

2 Original or NOS 1965 Corvette hubcap spinners
1965 Fuel Injection Air Cleaner that needs restoring. Any condition is considered.
Stephen H. Byrd (865) 250-1968 bunkybyrd@gmail.com

WANTED – Corvette

Wanted Need your HELP Looking for First Corvette 1967 Blue Convertible
350HP Small Block 4 speed Black interior low option



VIN 104677S1 14501

Still have Bill of Sale
Purchased @ Martin Burk Chev Forest Park, Ga.
Chris Henry (61744) Southeast Chapter

Services Offered



GARY'S GARAGE
CORVETTE RESTORATION
CORVETTE PURCHASING CONSULTANT

GARY JAYNES, OWNER
859 POPLAR SPRINGS RD.
WESTMINSTER, SC 29693
EMAIL: GARYJAYNES20@GMAIL.COM CELL: 864.710.7448

RHM Jumpstart - A dedicated automobile business!

- I am a buyer!
- I will help you sell your vehicles.
- I can help you locate a car.
- I can also solve those nagging or lost title issues.

I am interested in **ANY** Corvette, any type vehicle (hot rods, antiques, estates, trucks, etc.) and Corvette related parts!

I have been assisting customers in Pre-Purchase inspections for many years - local or out of state!

Call Reggie Martin at (678)488-5461 to discuss. NCRS Member #4499

S p o n s o r s



Sales 770.414.5552
Service 678.395.3957

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