



Midway USA Tune Up

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Or on Facebook at Midway USA Chapter NCRS

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Midway Chapter Christmas Party
December 9th 6:00pm
Mike Rowley's Car Condo Clubhouse
No December Meeting



Chairman Ramblings- Rick Smiley

I hope everyone had a great Thanksgiving with family and friends.

What a great meeting and Tech session we had at our November Meeting. We had 24 in attendance and Dale Green brought a guest, Larry Thornburg. Larry has a 1969 Big Block Coupe and also a 2004. Hopefully soon we can welcome Larry as our newest member.

Well, it looks like our existing officers will all return in 2023, but when I asked if anyone was interested in one of the offices, I am positive I saw some hands almost inch up!!!! And what about our substitute secretary? Did she do a great job or what? The other thing I noticed, she was not crotchety, and she reminded me of things that I had forgotten to talk about. Could this be Jim's replacement in 2 years???

I have a request of everyone going into 2023; how about writing an article and maybe submit photos for the newsletter. We all have stories about our cars; how your search started, how hard did you have to convince your wife to let you keep the Corvette after it followed you home. How about the one that got away, looking for parts and finding out how hard and expensive they are. For years I told Bev no matter what arrived it was ONLY \$100.00. She did catch on pretty quick, especially, when she started breaking parts.

I messed up and did not let Kerri know, THERE WILL BE NO DECEMBER MEETING AT DAVIS-MOORE.

Also, there will be no Attitude Adjustment in December, but in January it will be back on, and I am

guessing we all will need that.

REMEMBER, Chapter Christmas party is December 9th from 6:00-10:00 PM. The Chapter will supply the meat, water, tea, and lemonade. BYOB.

One last thing, the annual car show for charity at Century II will be January 13 thru 15. I am not sure but it sounded like there will be a Corvette corral. For more information contact Mike Rowley.

That is it for 2022. Hope to see everyone January 14th, 2023.

Bev and I want to wish everyone a Merry Christmas and a Happy New Year!



Rick Smiley
Chairman



Midway USA Shirt Order Update

We had a total of 12 members ordering 21 shirts. The order was turned into the screen printer on Tuesday, November 29. They will be ordering the shirts, and we should have them by the January meeting.

Prior to the January meeting, I will email each member ordering shirts their total cost so you can bring \$\$\$ to the January meeting.

Once I have the shirts, I will email the out of towners to determine delivery of your shirts.

Thanks to all members that ordered shirts.

Kerri

We have started collecting 2023 dues. Dues are \$25 per year. Please bring your 2023 dues to the December Christmas party or mail your dues to:

Dallas Keller
13502 W. Rolling Hills Drive
Wichita, KS 67235

Dues should be paid no later than January 1, 2023.

Did You Know?

True or False: Louis Chevrolet, the co-founder of Chevrolet was a race car driver.

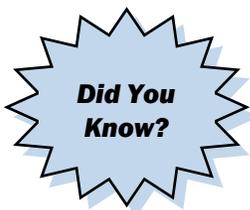
What year was Chevrolet founded?

- A. 1905
- B. 1907
- C. 1909
- D. 1911

Louis Chevrolet invented this important piece of race cars.

- A. Circle Bar
- B. Roll Bar
- C. Flip Bar
- D. Side Bar

(See Page 12 for Answer)



NCRS Events Calendar

(National & Local)

NCRS web site <http://www.ncrs.org>
then click on the Events link.

Or click the [underline link](#) for registration then enter your NCRS Forum credentials then click the event to register

2022

Dec 9 Chapter Christmas Party

Dec 10 **NO CHAPTER MEETING**

2023

Jan 14 Chapter Meeting

Feb 11 Chapter Meeting

Feb 23-25 Florida Regional – Lakeland, FL

Mar 11 Chapter Meeting

Mar 23-25 Tucson Regional - Tucson, AZ

Apr 8 Chapter Meeting

May 13 Chapter Meeting

Midway USA Chapter of NCRS, Inc. Established January 28th, 2009 Officers & Committee Chairs

Chairman	Rick Smiley	(316) 729-8388
Vice-Chairman	Seth Paulsen	(623) 229-2555
Secretary	Jim Coote	(316) 789-0005
Treasurer	Dallas Keller	(316) 200-4125
Judging Chair	Bev Smiley	(316) 729-8388
Events Coordinator	Mike Rowley	(316) 708-2016

Chairman Emeritus	Kurt Geis
Region Director VII Emeritus	Dave Ewan
Newsletter Editors	Kerri Keller & Jim Coote
Membership Chairman	Dale Green

Midway USA Chapter Merchandise

Midway USA Chapter Banner
Sizes Available 10" x 20" 13¼" x 23½"
2' x 5' \$25 min order requirement
X-Press Signs & Graphics
5830 W. Hendryx Ave. Wichita, KS 67209
(316) 613-2360 Call for current pricing

Midway USA Name Tag
\$7.00 + tax for either magnetic or pin type
Can be purchased at Apple Graphix
2429 W Douglas Ave (316) 942-5426

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13502 W. Rolling Hills
Wichita, Kansas 67235
info.midwayusa@midwayusancrs.org

Newsletter Editors
Kerri Keller and Jim Coote

Chapter Web Site
<http://www.midwayusancrs.org>



**Davis-Moore
Chevrolet**
8200 W. Kellogg
Wichita, KS
(316) 749-4000

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Midway USA Chapter
of NCRS

Tech Bits: Wiring December 2022 Dave Houlihan

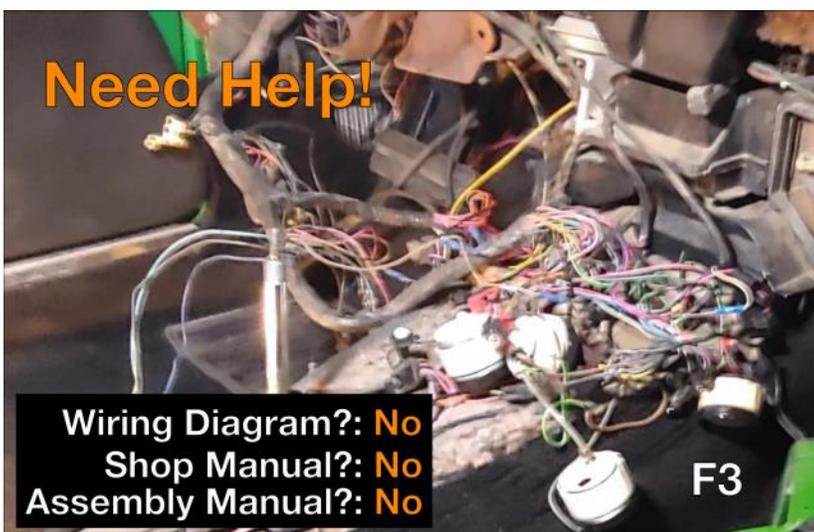
From last month's Chapter meeting TB - Miscellaneous stuff about wiring. Member's battery would die overnight. Parasitic drain (AKA "draw") is a continuous and abnormal discharge of power occurs even after engine is shut off. Why is this a problem? Other than dead battery, potential electrical fire (Fig1).



Parasitic drain (current draw) can be detected with a volt/ammeter (Fig 2) - some things "on" when nothing should be on. Our member asks for help (Fig 3) and has wiring all exposed. "I think it's this purple wire - what's that for?", they asked. Helpful reply: "You have a wiring diagram?" Answer is "no". (Bit of a rant: If you're going to work on this stuff, then wiring diagrams, Shop and Assembly Instruction Manuals are necessary. Relying on You Tube and the kindness of strangers is not a good approach.)



"Do you have a battery cut-off?", was another reply. "Yes, but I'm not using it".



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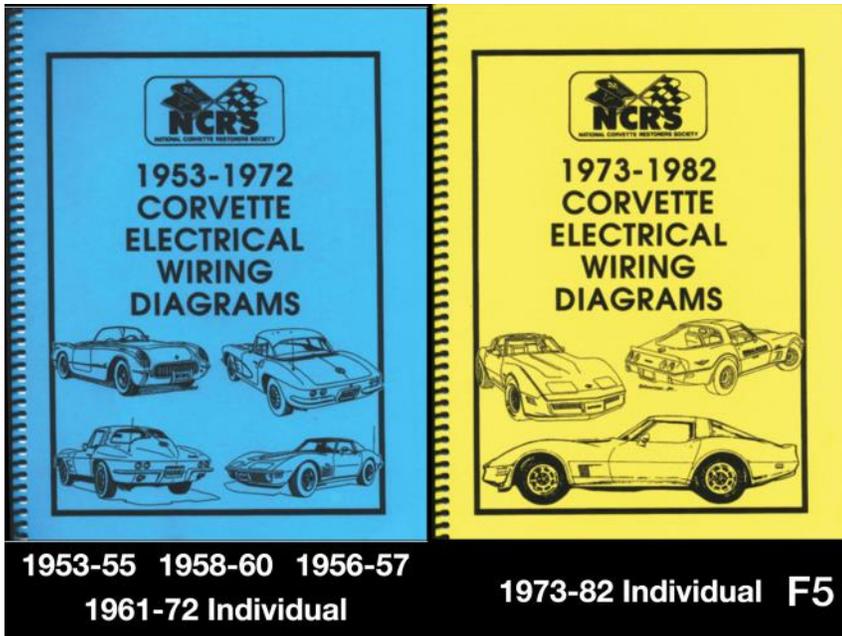
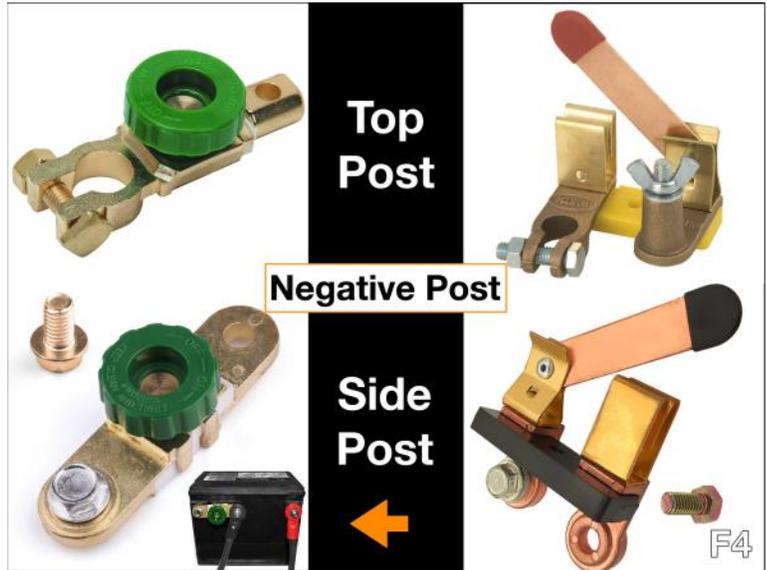


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(Battery cut-offs Figure 4 - have many different styles and come as both “top-post” and “side-post” versions. Important to note: cut-offs should be installed on **NEGATIVE** post only. Not an issue with top post style, as battery negative post has a **smaller diameter** than positive post. Top post cut-offs fit only negative post by design. Potential problem with side post battery as cut-off could be installed on either pos or neg. These cut-off mechanisms are generally a hunk of exposed uninsulated metal - ready to make contact with your wrench, screwdriver, etc. Better they be connected to ground - avoid that potential “spark” problem.)

“Yes, but I’m not using it”. Those cut-offs constitute a knife that cuts both ways. Cut-off will prevent a wiring problem from becoming a potential fire. **Cut-off will also prevent you from knowing you have a wiring problem in the first place.** Is some periodic battery drain testing in order? During November’s Wiring Tech Bits presentation, poor grounds (Fig 8) were also mentioned as a common wiring issue. So, on your car, how do you find these problems?

Dr Pete Gimenez briefly described a technique for finding parasitic battery drain involving measurements while pulling fuses. (Dr Pete: HINT ... HINT... a Tech Article?)



Back to wiring diagrams. NCRS store sells two wiring diagram compilation books - 1953 thru 1972 and 1973 thru 1982. These are reproductions of General Motors’ diagrams (Figure 6).

Diagrams 1953-72 show wire gage (thickness) and color. Diagrams 1973-82 show wire gage, color, and **CIRCUIT IDENTIFICATION** (circuit number) Figure 7. Circuit id really helps when tracing a wire across what sometimes looks like spaghetti thrown against the wall.

1978 had Chevrolet producing an Electrical Troubleshooting Manual for Corvette. This detail included a circuit description with expanded circuit information (diagram), how the circuit worked (in detail), troubleshooting suggestions, and where the circuit was located.

This level of detail continued forward in later shop manuals. Figure 9. (Later Corvette C4/5/6/7/8 Shop Manuals reflect a “computers on wheels”, aspect to these cars.)

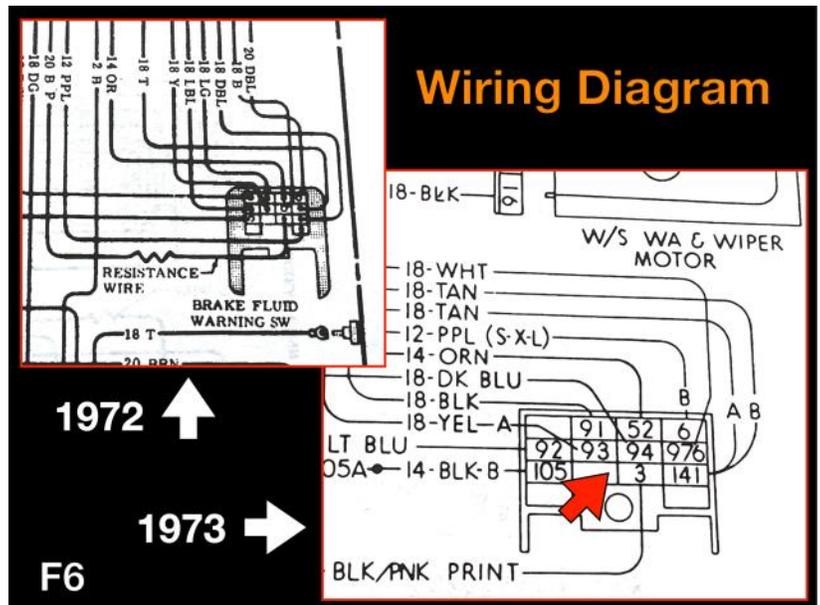


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However, all is not lost for you 1958 thru 1978 folks. Dr Rebuild has his oOSOEZ Wiring Guides available. These have circuit identification PLUS an image of what the physical connector looks like. Very handy! Note however: Dr ReBuild will not sell to NCRS members. Me, I would work around this and just get a friend to do the purchase. (BTW I like Dr R products and have never had a problem with him - YMMV.)

Lastly: **Chicken and Egg**. Harken back to November's Midway USA newsletter with an informative "WD-40 vs Duct Tape" flowchart. I was struck by its similarity to our NCRS Paint Flowchart - see figure 10. Now Duct Tape was invented in 1943, and WD-40 in 1953. I expect that WD/DT "engineering" flowchart predates NCRS' Paint Judging. At least we now know our source of inspiration!



ELECTRICAL CIRCUIT IDENTIFICATION

F7

Circuit Name	Circuit Number	Circuit Color	Circuit Name
Unfused	40	Orange	Feed, Battery - Fused
"On" Controlled -	41	Brown-White	Feed, Ign. Sw. Accsy. Controlled Fused
ion Voltage - Dropping 3 ohm/ft.	43	Yellow	Radio Feed
ion Voltage - Dropping ohm./ft.	44	Dark Green	Instrument and Panel Lights, Feed (Usually Light Switch to Fuse)
v. Accy. Controlled -	45	Black	Marker and Clearance Lamps (Trailers - ICC Requirement)
			Pass Seat Speaker Feed from Radi

Both WD and DT have interesting (to me) histories - links below. WD-40 especially for me, as WD was first used commercially by CONVAIR to protect outer skins on Atlas Missiles. (USAF assigned me to General Dynamics Convair Division, San Diego for about a year.) (WD-40 "Water Displacement - 40th attempt/ name straight from the lab book)

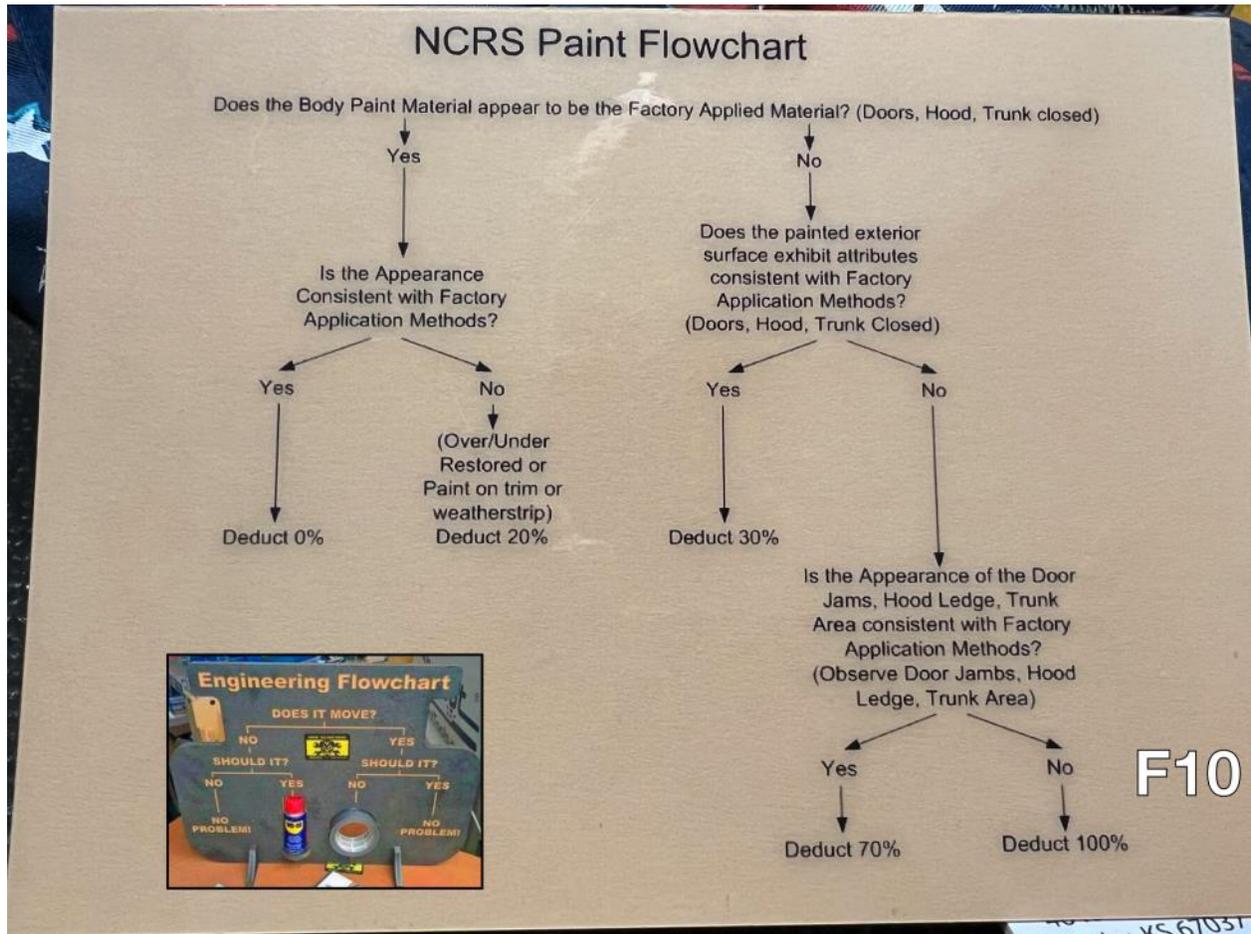


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<https://www.jnj.com/our-heritage/vesta-stoudt-the-woman-who-invented-duct-tape>

<https://wd40company.com/our-company/our-history/>





MIDWAY USA NCRS INVITES
YOU TO OUR

CHRISTMAS PARTY

9 DEC 2022

Time: 6pm - 10pm

BYOB and a Side Dish to share

Where: 2353 N. Zoo Park Circle, Wichita, KS

Respond by call or text: 316-708-2016



1968 Corvette Towing

The purpose of this article is to supplement the coverage appearing on page 14 of the 1968 Corvette Owner's Manual concerning the towing of 1968 Corvettes. This article covers recommended towing procedures when using a conventional sling type pick-up.

Towing with Rear End Raised (Figure 1 & 2)

Secure steering wheel to maintain a straight ahead position. Connect standard chain hook ends around torque control arms just outboard of shock mounting bracket. Wire a 2 inch x 4 inch x 38

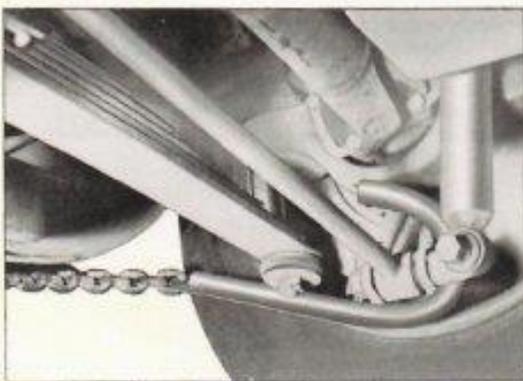


Fig. 1—Connect Hooks Outboard of Shock Bracket

inch board securely to the rear bumper vertical bars as shown. Attach chains to lower lifting sling bar so that bar is underneath and just forward of rear valance panel. Slings should be adjusted on upper and lower sling bars so that they bear on bumper vertical bars.

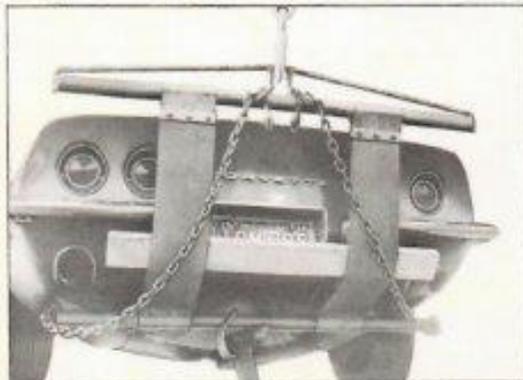


Fig. 2—Attach Sling Assembly as Shown

Towing with Front End Raised (Figure 3 & 4)

The vehicle may be towed on its rear wheels with the selector lever in "N" (Neutral) position at speeds of 35 mph or less under most conditions. The drive shaft must be disconnected if:

1. Tow speeds in excess of 35 mph are necessary.



Fig. 3—Place Hooks through Lower Control Arms

2. Car must be towed for extended distances (over 50 miles).
3. Transmission is not operating properly.

Connect standard chain hook ends around opening in front lower control arm near front inner bushing. The chain should be attached to the lower lifting sling bar so that it rests against the front bumper vertical bars.



Fig. 4—Rest Lower Sling Bar Against Bumper Vertical Bars

IMPORTANT: Due to the body overhang on the 1968 Corvette, it is recommended that the front or rear wheel be raised no more than three inches off the ground during towing, unless dollies are used. A height of 3" should provide the needed clearance for any road irregularities while still maintaining the needed clearance between the lowest portion of the body overhang and the ground.

Powerglide Downshift Timing Valve Height Dimension

Revise the Powerglide Downshift Timing Valve height dimension given in Step 2 of the Front Pump Assembly procedure appearing on page 7-45 of the 1968 Passenger Car Chassis Overhaul Manual from 7/32" to 17/32". This dimension is correctly depicted in the Truck Overhaul Manual.

Swap-N-Shop Wanted

Unloved Corvette Wanted

I know that the C3 body style, particularly the plastic bumpers ones are the ugliest and most unloved Corvettes of all time. Underpowered, uninspired styling, boring, I've heard it all. Regardless, I love the C3 body style and want to learn more about them by purchasing, repairing, preserving and then working thru the NCRS judging system. Many of you know I have had a 1981 for 20 years, and this summer I purchased a 1979 that had been sitting untouched for years. It has been so fun learning the differences between my 1981 and this 1979 and the nuances of each car. If you know of a 1974-1982 Corvette that has been sitting unloved in the garage, let me bring it back to its former glory. The prior owner of my 1979 has been thrilled to see her baby back on the road again and earning awards as I have kept her updated with the progress from unloved to Top Flight. Thank you for any leads!

Brad Hillhouse

402-730-6898

BradHillhouse@yahoo.com



Swap-N-Shop For Sale

FOR SALE:

Gas Tank Anti-Squeak Pads for C2/C3 - Thick like factory originals, 2 & 3 inches wide Pair \$20.00 plus shipping.
Call Dallas Keller (316) 200-4125

1968 Only Wheel (1) K18 5 13 AG—\$150

Set of 4 NOS Valve Stem Extensions for '68-'73 PO1 and PO2 Hubcaps \$200 per set plus shipping
Call Dallas Keller (316) 200-4125

Hard to Find:

Headlight Washer "Y"
1969 only
Nice Reproductions
\$20.00 plus shipping
Call Dallas Keller
(316) 200-4125



1 Gallon of DuPont Lucite Acrylic Lacquer Paint. DuPont Code 2930L
1959 Corvette Crown Sapphire Turquoise
1 full gallon - Mixed on 10/07/1982
\$250.00
Kent - (316) 393-2192

Swap-N-Shop Wanted

Looking for original 1992-1996 factory Corvette C4 exhaust. I bought a 1994 with an exhaust system that had been modified by the prior owner and I am trying to put it back to stock. From the factory, the entire "cat back" portion of the exhaust was one big welded system all the way back to the mufflers. I don't need the exhaust manifolds or catalytic converters or O2 sensors. Prefer the 92-96 version with the black rectangle exhaust tips as shown in this photo.
Brad Hillhouse 402-730-6898
bradhillhouse@yahoo.com



Services Available

National NCRS member, Lindsey McElhaney (60247), now has the capability to remove C3 broken headlight mounting screws and repair threads in the lid. If you are in need of this service, contact Lindsey at 316-641-5138 for more information.

Bowtie Breast Cancer Awareness Pins \$5.00 each



Meeting Minutes - Midway USA Chapter of NCRS, Inc.

Minutes Prepared by Jo Houlihan

The November 2022 monthly meeting was held on the 12th at Davis Moore Chevrolet. We had 19 in attendance, plus one potential new member and 8 by way of zoom.

Rick opened our meeting in a timely fashion.....9am on the dot. First order of business was to welcome everyone. Our potential new member, Larry Thornburg, received a big welcome from Rick and thanked Dale for inviting him. Larry said he has a '69 and '04 and is excited about joining the club. Now hope we don't scare him off.

The zoom attendees: Stan, whom we haven't seen for quite a while, had a picture of his C8 on his trailer as his background. The C8 was ordered 2 years ago and he pick it up in Nebraska. His word of wisdom concerning his new ride...good thing it has cameras, as you can't see out the back at all and it has the fastest take off of any car he has ever owned. (All this said with a big smile on his face, it's a keeper.) Stan won't be parting with any of his current Corvettes for those with a wondering mind, dibbs or no dibbs!

Seth and family were zooming in from Florida. He said it was just like being in Kansas only 60 degrees warmer. Gene said he had snow in Oklahoma. Dr. Pete was doing well. Craig was lost and now is found. Sharyl and Mike said it was raining in Oakland. Brad joined us a little late, his excuse was having to move snow in Nebraska.

Ricks next order of business was the election of officers. No one has indicated desire to sit at the head of the table, so the officers will remain the same. Our good attendance today was for self-preservation, who knows who's name Rick might have put in the hat.

Rick asked Kerri about the T-shirts as he brought copies of what she had sent out. She had gotten quite a few orders today and is hoping to get more. She had pictures of the T-shirts as well as modeling one for the group.

Next topic as the Frisco event It seems those who attended weren't sure if they had a good time, as no one volunteered to talk about the event. Dallas finally spoke up and explained that this is the year of the "72". Bob Demmel from Texas asked to get pictures of Kurt Geis' "72" to use on the t-shirts. As it happened, the picture was on all regional items...t-shirts to brochures.

John Jones was interrogated by Rick as to how our web site and email are working. John came in a little late so I guess Rick needed to put him on the spot. His reply "Should be good as he's getting no complaints."

On Oct 1, several members went to Salina to judge a car for our fellow member John Rupright. Rick was wondering if he was wanting it to be judged again and how soon (as we are always looking for cars to judge). Dallas has been talking with him and John is putting it on "Bring a trailer", so we won't be judging it again, at least not with John as the owner. Who knows, we might see it again with it's new owner.

Rick is again appealing to the members for what they would like the club to do in the future, tech sessions or judging schools????? The members seem to be asleep as no one seemed to have any thoughts on what they want to learn about. Rick asked John about the "Quadra Jets" he had wanted to do before COVID. John said he would love to do it and in fact he knows a vendor who would like to Zoom in to our meeting and talk with us.

On an invitation from Gene, Rick and Dave took a day trip to Stillwater, OK to look at a "58" to see if it was worth Flight Judging. As for the verdict, the car is wonderful and would do great in flight judging but Rick said he would love to have the gentlemen's garage. Not sure if he was more impressed with the car or the garage.

Next up to take the floor, our events chairman, Mike. The Veterans Parade turned out great—45 Corvettes in the parade. Our Christmas Party is scheduled for Dec 9 at Mike's car condo



May Meeting Minutes Continued

(Continued to Page 12)

(Continued from Page 11)

clubhouse. He has 10 people signed up so far and we had 25 last year. The signup sheet is going around as well as the side dish signup. Main dish will be provided by the club. There will be no thirsty attitude adjustment until January.

Mike also listed a few things he knows are coming up, January "Cars for Charity", May "McPherson's Car show", June 29 "Great Race" will come thru Wichita, June "Lake Afton Car Show" and March 23-25 "Tucson Regional" in Tucson, AZ.

Mike and Sharyl, our Zoom attendees, were asked to speak on the Tucson Regional. Mike explained this was a last-minute regional organized by the Southern Arizona and Northern California Chapters. Tom Barr, Chairman of Southern AZ Chapter, has secured the site, Casino Del Sol Resort in Tucson. NCC will handle the Registration and Judging. We are in need of something west to feed the National in July. He is hoping the registration will go on line on Dec 1. Judging will be outdoors. Sounds like a good time of year to go South.

Kent will be making calendars for next year. Be sure to send pictures to Kent so he won't have to reuse last years.

As Rick explained, as he opened the meeting, he and Bev had a funeral to attend so he would be doing the meeting a bit out of order. He is finally back on track.

Dallas's treasurer report. Dallas wrote a check to Rick to cover postage for Top Flight mailings. With 3 members already paid dues for this year, there is \$3081.11 in checking and \$100 in savings. 10 members have paid today.

Secretary report, Coote did not leave me with any concerns, so nothing from the secretary's chair. He usually doesn't leave concerns with me. He is pretty sure I would not handle it right.

Kerri still needs articles and taking orders for T-shirts.

Meeting was adjourned and Dave is ready for his Tech Tip for November.

Because of the music in the back ground, members had trouble hearing Dave's Tech Tips. The remaining Zoom attendees could not hear at all. It makes you wonder about our meeting location ??

Did You Know Answers (Continued from Page 2)

(From Page 2)

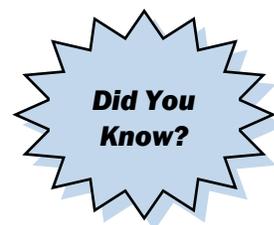
True or False: Louis Chevrolet, the co-founder of Chevrolet was a race car driver.

What year was Chevrolet founded?

- A. 1905
- B. 1907
- C. 1909
- D. 1911**

Louis Chevrolet invented this important piece of race cars.

- A. Circle Bar
- B. Roll Bar**
- C. Flip Bar
- D. Side Bar

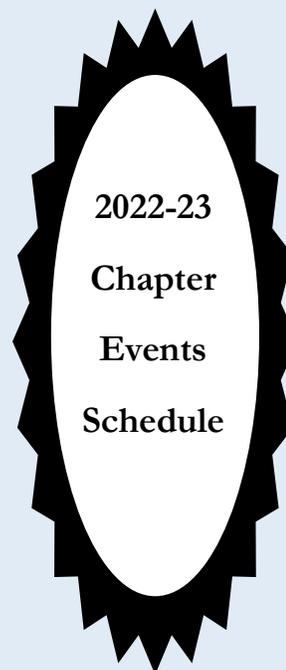


2022

- Dec 9 Chapter Christmas Party (Mike Rowley's Car Condo Clubhouse)
- Dec 10 NO CHAPTER MEETING

2023

- Jan 14 Chapter Meeting
- Feb 11 Chapter Meeting
- Feb 23-25 Florida Regional – Lakeland, FL
- Mar 11 Chapter Meeting
- Mar 23-25 Tucson Regional – Casino Del Sol
- Apr 8 Chapter Meeting
- May 13 Chapter Meeting
- Jun 1-3 Pittsburgh Tri State-Regional – Altoona, PA
- Jun 3 Midway USA Chapter Annual All Corvette Show
- Jun 8-10 North Carolina Regional – Rochester, MN
- Jun 10 Chapter Meeting
- Jul 23-27 NCRS National Convention – French Lick, IN
- Sep 14-16 Ontario Regional – Canadian Warplane Heritage Museum
- Oct 19-21 Texas Regional – Frisco, TX



Sep 7-11, 2025 - NCRS National, South Pointe Casino, Las Vegas, NV.

NCRS Cars in National Corvette Museum Rotunda for a year starting June 2023. For 70th Birthday of Corvette. 18 cars total - there will be a application required. Details to follow from National.

National New Information Page

In case you have not seen this on NCRS Technical Discussion Board, the link below takes you to a new information page with links to current NCRS announcements and documents.

<https://www.ncrs.org/contact/documents.php>





Date _____ NCRS Member # _____

National Corvette Restorers Society
Midway USA Chapter of NCRS
<http://www.midwayusancrs.org>
Membership Application

Member _____

Address _____ City: _____

State _____ Zip: _____ - _____ Email: _____

Home Phone _____ Mobile _____

List of Corvettes:

Year	Color	Style	Additional Comments for Corvette
_____	_____	_____	_____
_____	_____	_____	_____

Restoration Experience (if any) _____

Midway USA Chapter of NCRS in Wichita, KS

promotes the enjoyment, preservation and restoration of Chevrolet Corvettes.

We meet the 2nd Saturday of each month, 9:00 a.m. at Davis-Moore Chevrolet 8200 West Kellogg.

The National Corvette Restorers Society is a non-profit hobby group of thousands of families dedicated to the restoration, preservation, history and enjoyment of Corvettes. Membership in the National Organization is required in order to join local chapters. Below is the website for the National Organization.

The NCRS has organized Local Chapters around the world. Local Chapters provide the opportunity to meet NCRS Members in your region who share your love of Corvettes and the restoration and enjoyment of these fantastic cars. Chapters hold local events such as Judging Meets, Judging Schools, Road Tours and occasional social events.

If you wish to get the total NCRS experience you need to belong to one or more Local Chapters. The NCRS membership is made up of people who join for the cars and continue for the wonderful friends they have made. The easiest way to be part of that experience is through membership in Local Chapters.

Chapter Membership Dues:

Midway USA Chapter of NCRS (\$25.00) __ Check # _____ Cash _____

Nat'l NCRS Membership is Required. Register by Internet <http://www.ncrs.org/services/membership>

Nat'l NCRS Membership is \$50.00 Register by Phone (513) 760-6277

Think will be \$60.00 as of Jan 1, 2023

Mail this application and check written to **Midway USA Chapter NCRS:**

Dallas Keller - Midway USA Treasurer

13502 W. Rolling Hills

Wichita, KS 67235-8230

(316) 200-4125

