



# Heart of Ohio Chapter

## Newsletter

**Volume 12 issue 3**

**The Front End**

**Q4 2015**

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### Chairman's Message

Greetings

It appears by the looks of the weather that fall and the time to put away our cars is upon us. It can be a sad time or a happy time considering now we get to work on the cars all winter. I am not sure what I enjoy more, working on the cars or driving them. Winter is also a great time to attend NCRS events and boy do we have some great stuff coming up.

First we have the Chapter Picnic September 27<sup>th</sup> at Butch and Nancy Prices home in Baltimore Ohio. They have a great place and Butch is a pilot and provides rides for all they want to see the area from up above. The club provides the food and we all bring a dish to share. I personally like the great homemade stuff that folks bring! I am hoping to see some of our new members at this event. In October we have a judging school in my shop. Dave Wills will be bringing his 1999 and we will judge it. Joe Eyl and Mike Treece will conduct the session. Once again free food – pizza and drinks. November we have the Pro Team event and December brings us the annual Christmas party. Lots to do and more planned for 2016!

As you all know the Lake Erie Chapter members have joined the HoO chapter effective September 1<sup>st</sup>. We now have 76 members which should make for great event participation. I am looking forward to meeting everyone.

For the benefit of the new members HoO has a participation incentive program that awards a shirt to the member based on his or her participation during the year. To learn more about it just go to the HoO homepage-- <http://www.ncrs.org/hoo/events.html> - and place your cursor over the Heart of Ohio Chapter in red at the top of the page.

Hope to see you all at the picnic – especially some of our new members!

Perry

### Community Update

The HoO board has approved a \$500 annual donation to Ohio State's Mechanical Engineering Department to honor long time Heart of Ohio and NCRS member James Salvino., The donation will be for 5 years and will be earmarked for the automotive center for advanced research. Many thanks to Richard Lomax for his time on this great endeavor to honor Jim.



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### August – HoO Charity Car Show at Buffalo Wings & Rings.

Approx. 50 cars showed up on a beautiful Sunday on the east side of Columbus. A good range of classics filled the parking lot and HoO members came out in force to help judge, park, and register the attendees.

\$640 dollars was raised for the Charcot-Marie-Tooth (CMT) Foundation. CMT is the most commonly inherited neurological disorder, and affects approximately 1 in 2,500. Great job guys!





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### September- HoO Picnic. Butch and Nancy Price -Baltimore, OH

Butch and Nancy Price hosted 25 members of HoO including 2 new members from the former Lake Erie Chapter.

Everyone brought a dish to share and Butch can cook up one tasty burger! Thanks to Butch and Nancy for their hospitality.



Nice job Butch and Randy!



Jacob practicing on getting his wings!



Tim Bourke and girlfriend Michelle. Tim has a 1969 Corvette.



L-New Member-Dustin Richards (1995 Pace Car)  
R-Ray Valentine-Minerva, OH 1966 Coupe  
1981, 1984 Autocross, 2009 CSC



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### Treasurer's Report-Eric Sponseller

Beginning Cash Balance 1/1/15:	\$3,462.32
REVENUE:	
Membership Dues:	\$720.00
Chapter Meet Registration Fees:	\$1,106.00
Beginning Cash Balance 1/1/15:	\$0.00
REVENUE:	\$990.00
Membership Dues:	
Merchandise Sales:	
Total Revenue:	\$2,816.00

### Member Report – Butch Price

With the joining of the former Lake Erie Chapter, we currently have 83 members.

### Tech Article-Lou Zuniga

The C1 & C2 Corvette ignition circuit explained.

For the purpose of this article I will cover the ignition circuit of the 65 Corvette per my Corvette. The C1 and C2 Corvettes are basically the same in operation. Let me preference this with an explanation that the wiring diagram for C2s are broken up into two parts; for our purposes we will be referencing the second portion that contains the most important portion of the ignition system.

With reference to diagrams #1 & #2, we will begin with the Starter/Ignition switch turned on; pink highlighted lines from diagram #1 to Diagram #2. Reference the line in diagrams #1 & #2 the highlighted black and

pink wire that supplies the positive 12 volts to the coil through the Ballast resistor. The reason for the ballast resistor is to reduce the current flow through the distributor points which reduces the arcing along with the distributor condenser and increase the life of the distributor points. The coil in essence is a step up transformer of approximately 2000:1 ratio, taking a 12 volt system to a 24,000 volt spark igniter.

You will also notice a dotted pink line outlining a second feed of 12 volts via the starter solenoid circuit. This circuit provides a full 12 volts of energy at startup by passing the ballast resistor at engine crank up. The Ballast resistor will reduce the coil voltage to 10 volts during normal engine running thus the need to provide full energy during engine startup.

The Distributor points controls both the primary and secondary circuits of the coil; the highlighted green and pink portions of the coil circuitry. The points must also be set to a certain gap in order for the coil to release its energy and have time enough to build energy for the next spark energy release. The condenser as explained previously aids in the reduction of the arc across the point for longer point life. Also in aid of distribution is the rotor which provides a path for each spark and the energy supplied by the coil. So it is most wise to replace a new rotor and distributor cap combination.

At present the NCRS member does not have to remain true to the old point distributor system there are various companies offering electronic breaker systems that are more reliable and the need to set or replace points are not needed. However you still must retain the Rotor, Distributor combination.

In this era because electronic ignitions were not available as yet the limitation of a single coil along with a mechanical distributor also was the limitation of an engine RPM. Now days a coil is use per spark plug and the automotive



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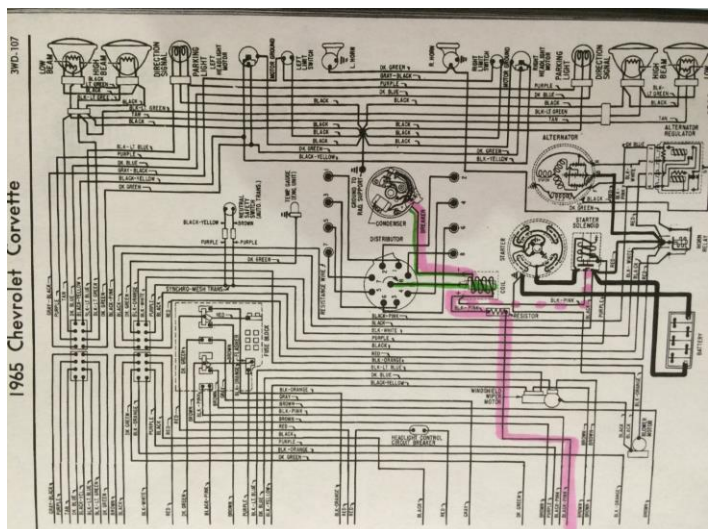
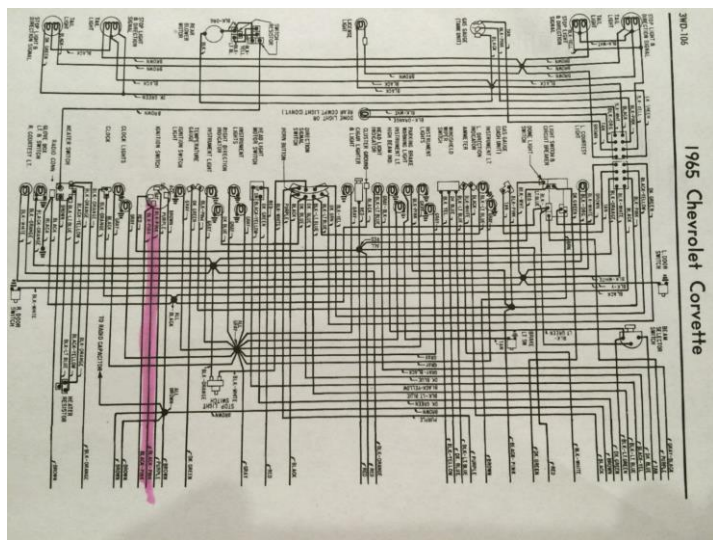
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computer takes care of the distributor based on engine RPM, O<sub>2</sub> sensors, throttle position, mass air flow and fuel control (injectors).

G. Lou Zuniga

NCRS member 31087



## Upcoming Calendar of Events

**October 17, 2015**

Heart of Ohio Judging School - 9:30 am  
Perry Yasher's Garage  
165 Brandon Dr  
Pataskala, Ohio 43062

**November 14, 2015**

Pro Team NCRS Seminar  
Napoleon, Ohio

*See info on website*

**December 12, 2015**

Heart of Ohio Holiday Party  
Buffalo Wings & Rings  
6325 E Broad St  
Columbus, Ohio 43213



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### Heart of OHIO CHAPTER OFFICERS

**CHAIRMAN:** Perry Yasher 740-927-0034

[pcyasher@columbus.rr.com](mailto:pcyasher@columbus.rr.com)

**VICE CHAIRMAN:** G. Lou Zuniga 614-825-0478

**SECRETARY:** Terry Buchanan 937- 429-3434

**TREASURER:** Eric Sponseller 419-308-2616

[dsponz@hotmail.com](mailto:dsponz@hotmail.com)

**MEMBERSHIP CHAIRMAN:** Butch Price

[Butch.nancy@avolve.net](mailto:Butch.nancy@avolve.net)

**WEBMASTER:** Terry Buchanan

937- 429-3434

[buchanant@sbcglobal.net](mailto:buchanant@sbcglobal.net)

**EVENTS CHAIRMAN:** Mike Treece

(419) 576-7606

[mltreece@yahoo.com](mailto:mltreece@yahoo.com)

### **NEWSLETTER EDITOR:**

Wes Wells

614-468-1463

[osubuci@att.net](mailto:osubuci@att.net)

**JUDGING CO-CHAIRS:** Roger Zrimsek 412-655-8946

Mike Treece

[mltreece@yahoo.com](mailto:mltreece@yahoo.com)

### **Director at Large**

Tom Fetchik, [duntov67@aol.com](mailto:duntov67@aol.com)

### **Director of Special Projects**

Richard Lomax, [lomax.24@osu.edu](mailto:lomax.24@osu.edu)



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## HEART OF OHIO CHAPTER NCRS CHAPTER REGISTRATION

First Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Spouse Name: \_\_\_\_\_ Last Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City, State Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

National NCRS Number: \_\_\_\_\_ Note: **You must be an active member of NCRS.**

Corvettes Owned:

Year: \_\_\_\_\_ Body: \_\_\_\_\_ Color: \_\_\_\_\_ HP/CI: \_\_\_\_\_

Year: \_\_\_\_\_ Body: \_\_\_\_\_ Color: \_\_\_\_\_ HP/CI: \_\_\_\_\_

Year: \_\_\_\_\_ Body: \_\_\_\_\_ Color: \_\_\_\_\_ HP/CI: \_\_\_\_\_

Year: \_\_\_\_\_ Body: \_\_\_\_\_ Color: \_\_\_\_\_ HP/CI: \_\_\_\_\_

Year: \_\_\_\_\_ Body: \_\_\_\_\_ Color: \_\_\_\_\_ HP/CI: \_\_\_\_\_

Complete this form and enclose check or money order in the amount of \$20.00, made payable to:

“Heart of Ohio Chapter — NCRS” and send the completed form to:

**Butch Price HoO Chapter Membership Chairman**  
155 Stemen Road  
Baltimore, Ohio 43105  
740-862-8422