



The Front End

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Chairman's Message

Chairman's Letter-Q3

This following quarter has got to be one to go down in the record books. Working from home, virtual meetings, and wearing masks are now common place. Seems like every major sporting, social, and car event has been canceled or rescheduled. Our local chapter meet and charity event have been postponed. The national meet in French Lick, IN has been canceled. Let's hope we have a better 2nd half of the year.

As the country has quickly adapted, so has our local and National Chapter. In Q2, we have conducted 2 virtual judging sessions. Mike Treece put together 2 judging sessions that were conducted in May and June. The May session was our first attempt to have a virtual meeting. Mike presented on Intake manifolds to approximately 55 participants around the country. We had NCRS members from South Carolina, Wichita, KS, Boston, MA to name a few. Despite some technical glitches, Mike's presentation was informative, clear, and detailed. We got good feedback on hosting the judging school.

In June, we switched platforms for hosting the 2nd meeting. Nick Petruzzi, judging co-chair, scheduled the meeting via GotoMeet-



ing. Nick also registered 60 members that signed up again from all over the US. The meeting went off without a hitch, and Mike presented a judging school on Windshield Wipers and Washer Systems. Both Nick and Mike did an outstanding job for both these events.

The board has met several times to discuss how to keep the membership engaged through this transitional period. Mike Treece has scheduled a road tour for July 26th, in Hocking Hills. Mike has several events scheduled for this tour and it should be a great time to get the cars out and see everyone again. To be safe, we will practice social distancing during this event. Please send an email to Mike Treece so we have a good count. Other upcoming events are the Chapter Picnic in August, and the tour to the Air Museum

Chairman's Message, continued

in September.

The National has provided guidelines for upcoming events. Social distancing, wearing masks, etc. are primarily for judging meets. We will attach to the newsletter for your review. Please provide feedback (positive or negative) and we will compile for chapter feedback to the National.

In June, we learned the passing of Nancy Price, Butch's wife. Nancy and Butch have hosted the HoO picnic in the past and always greeted us with a smile and open arms. Our condolences to Butch and his family.

Wes

Membership Report Butch Price

At this time we have 77 members in the HoO chapter.

Remember that you must be a current paid up member of the NCRS in order to be a member of any chapter.

If you have any questions, please contact Butch Price at 614-204-4366.

Can't wait until we start having face to face events again.

Thank you for the flowers and prayers for Nancy.

Financials - Pete Hagan

As of June 30, 2020

Beginning Cash Balance 1/1/2020	
Fifth-Third Bank	\$2,542.53
Paypal Account	\$211.51
Other Account	\$6,000.91
Beginning Cash Balance 1/1/2020	\$8,754.95

REVENUE:

Membership Dues	\$440.00
Chapter Meet Registration Fees	-\$740.00
Charity Car Show Income	\$0.00
Total Revenue	-\$300.00

EXPENSES:

Operations & Planning	\$787.03
Judging Meet Expense	\$0.00
Charitable Contribution	\$0.00
Charity Car Show Expense	\$0.00
Paypal Service Fees	\$65.93
Total Expenses	\$852.96

Closing Cash Balance 6/30/2020	\$7,601.99
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Closing Cash Balance 6/30/2020	
Fifth-Third Bank	\$7,575.64
Less: Uncleared Checks	\$0.00
Paypal	\$26.35
Total	\$7,601.99

Difference	\$0.00
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Participation Awards - Terry Buchanan



Heart Award Update

The Heart of Ohio Board at its' June Virtual Board meeting cancelled the Heart Award program for the year 2020 due to the Covid 19 pandemic. We hope to have the program back up and running on January 1, 2021.

Mike Treece's judging school of June 27, 2020 on Windshield Washer Systems was recorded. The recorded Judging School has been placed on our Chapter website on the Links Page at <https://www.ncrs.org/hoo/links.html>

Judging schools will be placed at the top of the page with other valuable links below. We hope to record all Heart of Ohio Judging Schools and will place them on the Links page for your reference.

Terry Buchanan, Chapter Secretary

NCRS Rules & Regulations for Events in the COVID-19 Era - Mike Ingham and Dave Brigham

As is the case with any new guidance we put out to your Chapters, we receive constructive suggestions for improvement. In response to the feedback we received following the June 22nd distribution of rules and regulations for in-person events, we have made a number of changes which are embodied in the revised document attached. You should consider this a living document at this point as further changes may be warranted as we move forward with in-person events.

Please continue to stay safe.

Mike Ingham

NCRS President

Dave Brigham

NCRS National Judging Chairman

NCRS Rules & Regulations for Events in the COVID-19 Era, continued

Introduction

This document contains the rules and regulations that N. C. R. S., Inc., (“NCRS”) has established for running its events while the threat of COVID-19 pandemic infection exists. These rules and procedures must be followed at all in-person NCRS events until such time that NCRS determines that they no longer need to be followed.

If the United States CDC or another branch of the US federal government, a host state government, or a local host government, or a private host facility has rules and regulations in place that are more stringent than the rules and regulations in this document, those rules and regulations must be followed in addition to these NCRS rules and regulations.

In the event that the United States CDC, another branch of the federal government, a host state government, a local host government, or a local host facility has rules and regulations in place that are less stringent than the rules and regulations in this document, then the rules and regulations outlined in this document are to be followed.

In many situations, NCRS will require six-foot (6’) social distancing and/or use of face coverings to minimize the potential for transmission of COVID-19.

To the extent that these requirements go beyond federal, state, or local PPE requirements at the time of the event, NCRS will bear the entire cost of extra PPE items/supplies required to comply with these rules and regulations at all regional and national events. NCRS will provide such PPE items/supplies to chapters at cost for use at chapter events.

NCRS has created these rules and regulations to promote the following:

- To protect the health of NCRS members, guests and event attendees
- To create safe environment for NCRS events
- To allow NCRS events to proceed without undue burdens
- To protect the integrity of NCRS awards
- To continue the collegiality of NCRS

NCRS Rules & Regulations for Events in the COVID-19 Era, continued

Conduct During Judging Meets

NCRS judging will be completed in the normal fashion, subject to the following requirements:

- Please make best efforts to observe 6' social distancing whenever owners, judges, observer judges and others are in the vicinity of any car being judged.
- Because social distancing cannot always be achieved when a car is being judged, all people in the vicinity of the judged car must utilize a face mask or face shield. Host Chapters must have disposable face masks available for judges who need them.
- Judges must use disposable medical-type gloves at all times while judging a car, such gloves must be discarded when judging of each car is completed. Host Chapters must have disposable medical-type gloves available for judges.
- To further minimize the chance of cross-contamination, judges are encouraged to wash their hands, or use CDC-approved hand sanitizer (i.e., >60% ethanol or 70% isopropanol alcohol) immediately after the completion of judging each car.
- Do not share pencils, manuals or clipboards during judging. Pencils will be discarded or sanitized after use by a judge or owner, and clipboards will be sanitized between uses.
- The car owner shall be the only person to touch the car or components of the car with ungloved hands.
- All persons entering or remaining in the show hall (or show field) shall utilize a face mask or face shield.
- These requirements shall apply to the show hall or show field, including operations check

The Tabulation Department

The NCRS Tabulation Department receives score sheets for all cars, which, by definition, have been handled by many persons before the sheets arrive in the Tabulation Office. Accordingly, the following will apply:

- The tabulation work stations will be laid out to best accomplish social distancing.
- All tabulators must utilize a face mask or face shield while in the Tabulation Office.
- Tabulators may elect to use disposable medical-type gloves when present in the Tabulation Office. All gloves to be discarded upon leaving the Tabulation Office.
- No sharing of pencils or calculators; pencils will be discarded or sanitized after each day and

NCRS Rules & Regulations for Events in the COVID-19 Era, continued

calculators will be sanitized between uses. Pencils and calculators will be assigned to an individual tabulator for the duration of the work shift. Tabulators will be encouraged to bring their own supplies.

- Tabulation workers must wash their hands or use CDC-approved hand sanitizer immediately before entering and immediately after leaving the Tabulation Office.
- CDC-approved hand sanitizer must be available in the Tabulation Office.
- Disposable face masks must be available in the Tabulation Office

The Registration Desk

- All Registration Desk workers must attempt to achieve social distancing.
- All Registration Desk workers must utilize a face mask or face shield while present at the Registration Desk.
- All Registration Desk workers must use disposable medical-type gloves.
- Any person that approaches the Registration Desk must utilize a face mask or face shield while in the vicinity of the Registration Desk.
- CDC-approved hand sanitizer must be available at Registration Desk.
- Disposable face masks must be available at Registration Desk.

Judging Schools and Other Meetings

- Seating should be arranged to allow for 6' social distancing.
- All participants must utilize a face mask or face shield when entering the meeting room.
- If the entire meeting room has been arranged so that 6' social distancing is present throughout the entire room, attendees may remove their face mask or shield while seated (the mask or shield must be reinstalled when the person leaves his/her seat).
- If the entire meeting has **not** been arranged so that 6' social distancing is present, attendees must wear face masks or shields at all times while in the meeting room.

The Trailer Parking Lot and Other Parking Lots

The same rules and regulations as applied to the Registration Desk shall apply to all parking lots.

NCRS Rules & Regulations for Events in the COVID-19 Era, continued

The Awards Banquet or Ceremony

For an Awards Banquet:

- Table service only, servers to wear face coverings. No buffet service.
- The banquet hall shall be laid out so that no person at one table is closer than 6' to any person at another table.
- There shall be no more than six persons seated at any table.
- All persons entering the banquet hall shall utilize a face mask or shield at least until that person arrives at his/her table seat.
- Once seated at his/her table, the person may remove his/her mask/shield while seated at that table (the mask or shield must be reinstalled when the person leaves his/her seat).
- No visiting with other tables once seated.
- The award presenter must take steps to ensure that no award has been touched by ungloved hands within the 48 hours preceding the banquet.
- The award presenter must use disposable medical-type gloves while presenting awards.
- The award presentation area must be created such that the presenter and recipient are never closer than 6'.
- No handshakes, but photographs with 6' social distancing may occur.

For an Awards Ceremony with no meal served:

- Utilize the same rules as above, but eliminate those rules that apply to food service and, perhaps, to seating.
- All attendees must observe social distancing and/or utilize a face mask or shield.

Judges & Tabulators Meals

For judges and tabulators meals:

- Table service or box lunches only, servers to wear face coverings. No buffet service.
- The judges and tabulators meal area shall be laid out so that no person at one table is closer than 6' to any person at another table.
- There shall be no more than six persons to be seated at any table.
- All persons entering the judges and tabulators meal area shall utilize a face mask or shield at least until that person arrives at his/her table seat.
- Once seated at his/her table, the person may remove his/her mask/shield while seated at that

NCRS Rules & Regulations for Events in the COVID-19 Era, continued

table (the mask or shield must be reinstalled when the person leaves his/her seat).

- No visiting with other tables once seated.

Any Portion of an Event not Covered Above

If there is a portion of an NCRS Event that is not covered by the above rules and regulations, remember that social distancing, face coverings and frequent hand washing are the keys to minimizing the chances of spreading COVID-19. If you remember these three items and employ them whenever necessary, you will be contributing to the effort to have an event that is as safe as it reasonably can be.

Can This Water Pump be Salvaged by Karl Luketic



Sharonville Regional 2019

There had been a small drip under the center front of the car. It was just beneath the timing chain, oil pan junction. Presumption was the timing chain cover harmonic balancer seal had a small leak, not unexpected for a 40 year old 45,000+ mile original L82 motor. It was not a problem deemed needing repaired. Then on a trouble shooting drive sorting out other issues at about 5,000 RPM run up a white plume started pouring out from under the hood. Fortunately it didn't have a fire smell but the sickening sweet smell of engine coolant burning off a hot exhaust pipe. Not being far from home and the temp. gauge still in the normal range the decision was made to drive the 2 miles back to the house. At first a hose rupture was suspected. On further evaluation it was found the leak source to be the water pump where it bolted to the front of the engine on the passenger side. The pump was removed and inspected.

The water pump in question is from a 1979 Corvette that has attained Top Flight at the NCRS Chapter and Regional levels as well as Bloomington Gold and the MCACN Triple Diamond awards. Although the '78-'79 water pump date code and casting number are not judged, there was a strong desire to maintain as much originality as possible with the car and not have to match the paint on a replacement pump to the old engine color. In case the original water pump was unrepairable, a date code, casting number correct pump was sourced.

Inspection of the water pump and engine mating surfaces on the passenger side near



Figure 1. Water pump showing defect

Can This Water Pump be Salvaged by Karl Luketic



Figure 2. Engine block abnormality

the bypass hole revealed a significant defect in the water pump cast material. Fig. 1. The engine block was intact Fig. 2. This was not felt to be a corrosion issue but more of a casting defect that occurred during the water pump manufacturing process. In fact inspection of the sourced replacement pump with a date code approximately two weeks prior showed a similar but less severe area of erosion. Fig. 3.

It can be seen that the area of defect nearly encroached upon the bypass hole with only a thin shoulder of metal present. With such little shoulder and a gasket, which is usually has slightly over-



Figure 3. Sourced replacement pump

sized openings, this is a guaranteed failure area.

Having some familiarity with JB weld, this was a material felt to be a possible option to repair the defect. Other materials may also have worked. As the pressure within the cooling system is only 15 psi and the recommended torque for the water pump bolts are 35 foot pounds, JB Weld was felt to be sufficient for the repair. A JB Weld product is available that will withstand 500°F and this was used to perform the repair.

The JB Weld is a two component system Fig. 4. and was mixed according to the directions and allowed to stand for a few moments prior to application to the prepared surface. External

Can This Water Pump be Salvaged by Karl Luketic



work get removed. The smog pump is removed, all belts need to come off the water pump pulley but not out of the car and upper radiator hose needs to be disconnected. Fan, clutch and pulley come off the pump and heater and lower radiator hoses will need to be disconnected.

Figure 4. JB Weld product used

contour was formed by applying tape to give support the the repair material and yield a round appearance externally. In advance of applying the JB Weld, the defective area was first cleaned by wire brushing any surface rust and dirt away then using an acid etch with Muretic acid and finally cleaned with lacquer thinner. After sufficient surface drying, the JB Weld was mixed and applied to the cavity in the pump's casting defect. This was built up slightly above normal mating surface. After curing to the product's recommended time, a flat file was used to smooth the JB Weld even with the normal mating surface. Fig. 5.

Reinstallation was done with a normal water pump gasket and a little RTV sealer between the gasket and JB Weld. After hundreds of miles and many hard pulls no leak has been detected.

Removing the pump is no easy task. It helps if you've had to venture in there a time or two before. Air cleaner and paper elements connected to air intake duct



Figure 5. Final repair

Can This Water Pump be Salvaged by Karl Luketic

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Water pump removed



Water pump reinstalled

Letter from the Editor—Eric Sponseller

Thank you for reading this issue.

We hope that you will find that each newsletter is filled with educational information, helpful hints and tips, events, and news. We want this newsletter to be valuable for you so *please, please* share your feedback and suggestions to help us improve.

Tech articles can be sent to me via email at:
dsponz@hotmail.com



We're on the web ! www.ncrs.org/hoo

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