

# NOMAC NEWS

Volume 6, Issue 1

January 2019

The NORTHERN OHIO MODEL "A" CLUB is a Region of the [Model "A" Restorers Club \(MARC\)](#)  
and a Chapter of the [Model "A" Ford Club of America \(MAFCA\)](#).

The NOMAC is a family oriented technical club, founded to share restoration and repair knowledge and experience among its members. We show our cars and drive them as well. Several NOMAC members have written extensively on various aspects of restoration. The club maintains a collection of special tools for the Model A, which are available to all members. NOMAC meets once per month in suburban Cleveland, Ohio. The focus of each meeting is a technical seminar, in which an experienced member or a guest speaker presents a how-to demonstration of some phase of Model "A" Ford restoration or repair. Meeting announcements and club news are contained in its monthly newsletter.

## NOMAC Officers for 2018

President	Bill Mann	440-653-7052
Vice President	Jamie Holzheimer	440-321-1156
Secretary	Josh Madden	330-283-1623
Treasurer	Jon Peterson	330-653-6710
Librarian	Chris Wolf	440-254-3479

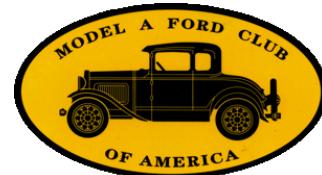
## NOMAC Trustees

Grant Krueger	440-237-6696
Steve Lambert	440-236-5981
Ken Kovach	216-267-9733
Jerry Siracki	440-636-3623
Chris Wolf	440-254-3479

## People to Contact

NOMAC News / Website	Josh Madden	330-283-1623
Good and Welfare	Open	
Senior Club Advisor	Jon Peterson	330-653-6710
Technical Director	Ken Kovach	216-267-9733
MARC Director	Ken Kovach	
MAFCA Director	Josh Madden	
Swap Meet	Jerry Siracki	440-636-3623
Tool Steward	Jerry Siracki	440-636-3623

NOMAC Website:  
[www.northernohiomodela.com](http://www.northernohiomodela.com)



## Technical Sessions Scheduled

January	Electrical
TBD	Brakes
TBD	Rear End

## 2019 NOMAC Monthly Meetings and Events

January 21	NOMAC Meeting
February 16	Crawford Auto Museum Tour
February 18	NOMAC Meeting
March 14-17	Piston and Power Show
March 18	NOMAC Meeting
April 15	NOMAC Meeting
TBD	Amish Tour
May 20	NOMAC Meeting
June 18	NOMAC Meeting
July 13	Model T Club Cookout
July 15	NOMAC Meeting
TBD	Summer Picnic
August 19	NOMAC Meeting
TBD	National Model A Day
September 16	NOMAC Meeting
October 21	NOMAC Meeting
November 18	NOMAC Meeting
December 16	NOMAC Meeting

**Reminder – Please forward Josh your MARC and MAFCA numbers. We need these for insurance purposes!**

## Madden's Muffler – Puffing out Model A Thoughts

I don't know about you, but I'm ready for Old Man Winter to find somewhere else to go. Snow and cold are definitely here and as I write this, more snow...and I mean lot's more snow, is on the way.

As many of you are probably doing as well (I know Bill is for sure – as you will read later in the issue) I am working on my car in hopes of getting it ready for the Piston and Power Show and the general driving season. I've rebuilt my carburetor (and only had one left over piece!). I am going to get the carb back on the car and make sure she runs, then tear into the wiring. I bought a new harness and fuse block I am planning to install. This will be my "big" project for the winter. With the limited time and options to work on the car in a frozen barn, I don't get to work on as many projects as I would like – or need to get done. Hopefully your projects are coming along as planned and will be done in time for driving season. Remember, if you're having issues or found a stumbling block you can't overcome – come to a club meeting and let's discuss it! That's the beauty of our club, so many knowledgeable folks!

As you will note, the "Meetings and Events" listing is a little sparse. Please let me know if there are any dates we as a club want to add to the calendar. These should be club-wide events.

This year, I am also going to include a "Fashion" section in the newsletter. Please share with your spouses and let them know if they want to submit an article I am more than happy to include it!

-Josh

P.S. Please note that this month's meeting is at Certified Auto Electricians, regular time and not far from our normal meeting location – 225 Northfield Road, Bedford, OH 44146.

**2019 club dues are now PAST DUE! Please, please, please get them sent in to Jon Peterson (or bring to the meeting Monday) so he can let me know who has paid so I can keep sending you the newsletter!**

## "A" thought from Bill

As you all know life doesn't always go as planned. That is the case this year for Debbie and I. Normally we would be in Florida by now but Debbie has a health issue that must be attended to. She has an appointment with a specialist on Wednesday and hopefully a treatment plan can be put in place to allow us to hit the road.

With a little downtime I decided to pull the engine and transmission out of the Model A to check them over. Knowing a lot more than the first time I put them together I want to address oil leaks and a vibration issue and of course have it ready for the Piston Power Show. With the help of Ken Kovach, a list of possible vibration causes was compiled and one by one crossed off the list. The engine is ready to be put back and I feel the oil leaks will be better if not totally stopped. In regard to the vibration as insurance I did a full engine balance program. The other thing I found was the bolt that holds on the U-Joint was as an understatement loose. Although still threaded in the hole it was only finger tight. I have high hopes that's the smoking gun. If not, I might be back into the rear end this spring.

The club is getting off to a great start with the Monday's meeting taking place at Certified Auto Electric. These guys are experts in old car electrical systems. They can make your 6-volt system perform as it should or convert to 12 volts is that is your preference. Thanks to Skip for arranging this! Depending on how the shop is layed out my hope is to have a very short business meeting followed by a shop tour and presentation by the guys at Certified.

Hope to see you Monday!

-Bill



## Upcoming Events

- January 21 – NOMAC Meeting – Certified Auto Electric Inc – 225 Northfield Rd., Bedford Ohio 44146
- February 16 – Crawford Auto Museum Tour
- February 18 – NOMAC Meeting – Walton Hills Community Center

## December NOMAC Meeting Minutes

No minutes were taken, as the business meeting was not held in lieu of dinner with the AACAs.

## Welcome New NOMAC Members!

Fred Obreza and Carl Bonsingnore

## JANUARY MEETING

We have arranged to have our January 21 NOMAC meeting at the Certified Auto Electric Inc. shop at 225 Northfield Rd., Bedford Ohio 44146, from 7-9 PM. Jeff and Earl Greenberg will host the event. Their shop is very near our usual meeting place. Go north on Rt 8 at the Pettibone intersection about  $\frac{3}{4}$  of a mile on the east side of the street.

It is possible that they will have one of Skip's cars in the shop as well as other cars. These guys are specialists in pre 1980 electrical systems. Bring your questions about 6 volt and 12 volt systems, conversions to or from, electronic ignitions; bring your broken electrical parts—starters, generators, alternators, voltage regulators, etc.

For questions call Skip Schweitzer 330-562-9801

## BALANCING ACT

By Bill Mann

During the last driving season there were a few issues with the Model A that warranted pulling the engine and checking it out. One thing in particular that I wanted to look at was engine balance with a focus on crankshaft, connecting rods, piston assemblies and flywheel / pressure plate. In other word's everything that rotates or reciprocates. The engine was basically a smooth runner but did develop a vibration at about 35 MPH and also when engine braking. The work started on December 27<sup>th</sup> and today (January 16<sup>th</sup>) the engine is ready to be put back into the truck. This is a summary of the balance work that was done.

**Pistons** – The piston pin and rings were weighed on a gram scale with an accuracy of 1/10 gram. Each of these assemblies were made the same weight by drilling material out of the inside of the piston dome until all 4 weighed the same as the lightest assembly. I used a tolerance of 1/10 gram for this task.

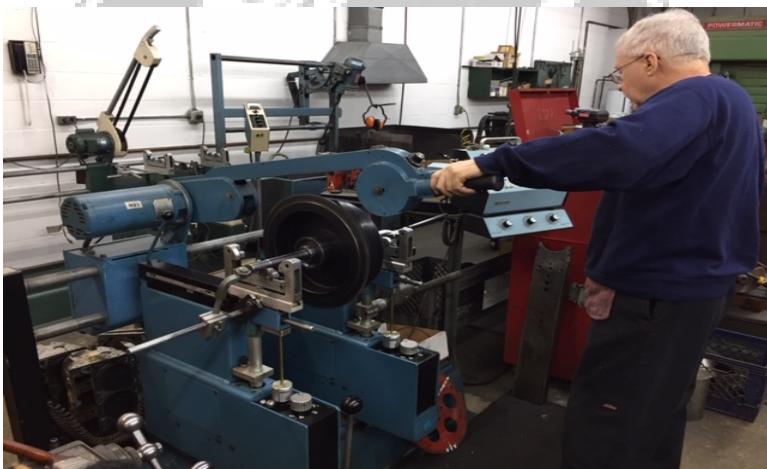
**Connecting Rods** – The Red Model A repair bible written by Les Andrews calls for both the crank end and pin ends to be equal weight within +/- 1 gram. A homemade fixture was fabricated with the help of Ken Kovach and his lathe. The fixture weighs one end with the other suspended so friction is eliminated. I was able to get all the rods to within +/- 2 tenths of a gram for the crank end, pin end and overall weight.



Connecting Rod weighing fixture

**Crankshaft** – The crankshaft was balanced at Victory Engines. It was evident by the way the balancing machine was shaking that it needed some work. The crankshaft needed about 10 grams of weight positioned in one of the previously drilled balance holes in the crankshaft. This basically offset work that was done at the factory, because the journals were not ground on the correct center or because someone didn't balance it correctly in the past. The final result was a crankshaft described by Ray as "perfect" and balanced to race engine standards.

**Flywheel** – The flywheel was also balanced at Victory Engines on a "Mandrel". Les Andrews specifies the flywheel to be balanced to within .15 in-oz. Ray didn't know what that meant mainly because everything he does is in grams. I converted this to grams and it means that the flywheel can only be out of balance by .9 grams at its outer diameter. This flywheel had holes drilled in it that I believed were "factory" but had other holes drilled at other locations which basically offset the effect of other holes. In spite of my suspicions due to the various holes in the flywheel it was also described as "perfect" with no adjustments being required. This was evident by watching the balancing machine and seeing no movement at all at 700 RPM or during the roll down.



**Flywheel in the balancing machine with Ray bringing it up to 700 RPM**

**Pressure Plate** – After the flywheel was checked, the pressure plate was bolted on the flywheel. Both the flywheel and pressure plate have "zero's" stamped in them as match marks to insure they are mated in the same position each time. The pressure plate also needed adjustment and weight was removed from the "Heavy Spot" by drilling with a  $\frac{1}{2}$  inch drill bit. After several iterations with drilling a small amount of material each time the balance got better and better. Once described as "perfect" the job was done.

**Summary** – Even though I won't know the result of this work right away I can say that anyone who is doing an engine should at a minimum get the Flywheel and Pressure plate balanced at an experienced shop like Victory Engines. A stock flywheel weighs 63 pounds and the pressure plate about 10 pounds. Although unbalance is not the only reason that an engine might vibrate ruling out the largest rotating mass as a cause is cheap insurance when striving to get a smooth engine.

## The Car That Time Forgot



Our website received an inquiry from someone local that wanted to get rid of car on their property. As you can see, this poor Model A has seen better days. It was sunk down past its axles, and the frame was rotten – no title either. On the bright side, the keys were still in the ignition and “it ran when parked”.

## Model A Tip



### Jim's technical tip

by Jim Cannon,

#### Radiator Hoses - Hard to Get On, Hard to Get Off!

For many years I had a hard time getting new radiator hoses on the engine to seal well. I would tighten the hose clamps to what I thought was reasonable, and they still seeped a bit of coolant. And years later, when I needed to remove the hoses, they seemed to be glued to the metal parts and I had to pry them off or cut them off.

A Master Mechanic shared his secret with me years ago. Apply a very thin coating of a specialized gasket dressing called "Hylomar AF" to the inside of the new hoses where they will contact the metal just before installing them. Install and rotate each hose back and forth, to spread the sealant out evenly. Now tighten hose clamps and you are done. It will not seep or leak. And years later when you need to remove the hose, it will come right off!

I get the Hylomar AF (Advanced Formulation) -- originally developed by Rolls Royce for their jet engines -- from an industrial supply place near me called W.W. Grainger. It's also available on Amazon and other places on the Internet. Compare prices because some places price it like it's gold!

There are several variants of Hylomar. You don't want the original "Hylomar Universal Blue" or the "Racing Formula". The Hylomar AF works best for our application. I also put a little on my oil drain plug threads, on the transmission and differential drain plugs, etc., to stop the drips. It gives a good seal but never hardens, so it's easy to take it apart later.

Have a Model A Day!  
Jim



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## Model A Parts Suppliers

It was mentioned at the last meeting that we should include a list of all known, reputable parts suppliers. This is not intended to be all-encompassing, but will give you more options as you source parts!

### Snyder's Antique Auto

- 12925 Woodworth Rd. New Springfield, OH
- 330-549-5313
- <https://www.snydersantiqueauto.com/>

### Bert's Model A Store

- 2767 South Tejon Street Englewood, CO 80110
- 800-321-1931
- <http://modelastore.com/>

### Mike's "A" Fordable Parts

- 124 Model A Drive Maysville, GA 30558
- 706-652-3866
- <http://www.mikes-affordable.com/SFNT.html>

### Bratton's Antique Auto Parts

- 1606 Black Acre Circle Mount Airy, MD 21771
- 800-255-1929
- <https://www.brattons.com/>

### Renner's Corner Early Ford Parts

- 10320 E. Austin Rd. Manchester, MI 48158
- 734-428-8424
- <http://www.rennerscorner.com/index.html>

### Mac's Antique Auto Parts

- 6150 Donner Rd. Lockport, NY 14094
- 800-828-1051
- [https://www.macsautoparts.com/ford\\_model\\_a/?ne\\_ppc\\_id=1163&ne\\_key\\_id=21554642&ne\\_sadid=2110961272&utm\\_source=bing&utm\\_medium=cpc&utm\\_campaign=Model\\_A\\_Non\\_Branded&utm\\_term=model%20a%20Parts&utm\\_content=Model\\_A\\_Parts&gclid=CJHAo66S2d4CFCXXswodJE8P\\_A&gclsrc=ds](https://www.macsautoparts.com/ford_model_a/?ne_ppc_id=1163&ne_key_id=21554642&ne_sadid=2110961272&utm_source=bing&utm_medium=cpc&utm_campaign=Model_A_Non_Branded&utm_term=model%20a%20Parts&utm_content=Model_A_Parts&gclid=CJHAo66S2d4CFCXXswodJE8P_A&gclsrc=ds)

**If you have other questions/comments about finding parts, please ask  
a club member!**

## NOMAC Classifieds

### For Sale

1930 Ohio License plates – Contact Joe – 386-689-4921

## Services Offered

Need some work done on your Model "A"? Here is a list of businesses and/or people who are known entities and have been recommended by club members. These services are tried and true. Have you had good service?

Please add to the list so that we all know where to go!

### PARTS

- John Holland 7208 West law Rd. Valley City Oh. 330-483-3896
  - Carburetors, Model "A" Parts
- Gene Brolund, 131 Singer Ave, P.O. Box 224, Grand River, Oh 440-352-8005
  - Steering boxes, carburetors, windshield wipers, others
- Paul Eippert, Model "A" Parts Mineral Ridge, OH 330-652-0038
- Snyder's Antique Auto Parts, 12925 Woodworth Rd 888-262-5712  
New Springfield, Oh 44443
- Bratton's Antique Auto Parts, 1606 Back Acre Circle, 301-829-9880  
Mount Airy, MD 21771
- Mac's Auto Parts, 6150 Donner Rd., PO Box 238 877-220-8230  
Lockport, NY 14095

### SALVAGE

- S & W Auto Salvage 10635 Shanks Rd, Garrettsville 330-307-3139
  - Specializes in 1920s, 30s, 40s, 50s automobiles and trucks
- Budds Auto and Truck 2350 SR 14 Deerfield, OH 44411 330-947-2002
  - Parts '59 and older whole cars and trucks

### RESTORATION AND MECHANICAL WORK

- Don Davison, 11408 Wheeler Rd. Garrettsville, Oh 330-357-6290
  - All aspects of restoration body, engine rebuilding
- Zembur Enterprises Mechanical Work, N. Lima OH 330-549-3605
- Matlins Transmission, Aurora Ohio contact Matt 330-562-6734
- CAE-- Certified Auto Electric, 225 Northfield Rd., Bedford Ohio 888-597-8278
- Buckeye Auto Electric, Painesville, OH, Joe Mazzone 440-354-2060
  - Specializing in antique autos, Model "A"
- Integrity Auto Care, Akron, fixing horns Philip Evans 330-689-2100

### UPHOLSTERY

- J's Upholstery, 6865 Tallmadge Rd., Rootstown, Ohio 44272 330-325-1610
- Sutton Upholstery Jim and Ike Sutton 3505 North Ridge Rd. Perry, Ohio 440-361-0049
  - Good quality, reasonable auto upholstery
- Portage Trim, 3097 Ohio 59, Ravenna, OH 44266 330-296-5511
- Sullivan Upholstery LLC, 12 TWP. Rd. 1281, New London, Oh, 44851 419-929-1400

### PAINTING/PINSTRIPPING

- Chip Judd, pin striping on cars. 4296 East River Rd. 440-258-1075  
Sheffield Village, Ohio 44054
- Custom Paint and Detail, painting and Pin striping, Matt Smith 330-571-4595

### SANDBLASTING/POWDER COATING

- Summit Powder Coaters, 619 S. Van Buren av. Barberton, OH 330-753-7040
- Diversified Maintenance—Sandblasting Michael Molnar 330-549-3605  
N. Bloomfield, OH
- Custom Sandblasting and Priming (Summer only) Daniel Gingrich 330-565-2618  
16640 Madison Rd. (SR 528) Middlefield, Ohio 44062 440 548-5866
- Ready Strip, 2748 S.R. 44, Rootstown, OH 330-325-1050  
Sandblasting, media blasting
- Backwoods Blasting and Powder Coating, Kent, OH 330-678-0048  
Ask for Doug

### INSURANCE

- Hagerty Insurance, Contact Jim Englert, Kim Todd 419-271-3835  
419-271-0049

### OTHER

- Champ Mat, JR Manufacturing, 6198 HWY 12 East, Eau Claire WI. 54701 715-834-7748
- License plate restoration Joe Ledford, 3 Ledford Ln, P. O. Box 83 H 919 365-7176