



**Volcano A's, PO Box 2513, Battle Ground, WA 98604**

[www.volcanoas.net](http://www.volcanoas.net)

Meeting: Church of the Nazarene – 16850 NE Fourth Plain Blvd, Vancouver, WA - Second Monday of Month – 7:00 PM  
Friday Lunch (11:00 AM) at Benny's Pizza & Café on 4219 St Johns Rd NE, Vancouver, WA 98661

**Volume 11 Issue 4**

**April**

**2022**



**2021, 2020, 2017 & 2015 MAFCA Newsletter Certificate of Merit**  
**2018 – MAFCA Website of Distinction**  
**2021, 2017 MAFCA Website Certificate of Merit**  
**2013 MAFCA Newsletter of the Year 2015 & 2013 MAFCA Website of the Year**



***1929 Standard Roadster - Spring Time in the Country***



### **President's Message** **March 25, 2022**

I am writing this in the evening after our tour to the Pearson Air Museum and lunch at McGrath's. Gary did a wonderful job with the

tour, and it was so nice to have such a good turnout of club members.

Looking ahead the Portland Swap Meet is April 1, 2 & 3 and our club will have a booth again this year. Come by and check it out or just rest a while, we would love to see you. Our regular club meeting will be on April 11<sup>th</sup> at the Church, and I understand Austin has plans for a tour to McMinnville in April. I have been talking with Leonard & Linda Willey about their new "Burtz" engine, we will get a chance to look it over soon.

One more thing, the Wednesday morning breakfast group is now meeting at The Last Frontier Casino, at 8:00 AM, 105 W. 4<sup>th</sup> Street, La Center, WA 98629, there is always more room if you would like to join them.

Sincerely, Roger Green,  
President, Volcano A's

### **Committee Chairs**

**Community Service:** Joyce Swartz

**NW Regional Rep:** Roger Green

**Public Relations:** Dian Lane

**Refreshments Coordinator:** Nancy Wooldridge

**Sunshine:** Carma Huset

**Tour Director:** Gary Swartz

***"Let freedom never perish  
in your hands."  
-Joseph Addison***

Articles and contributions are encouraged and may be used as space permits. The deadline for all articles is the 20th of the preceding month. The Volcano View is a monthly publication of the Volcano A's Chapter - MAFCA E-mail all proposed articles to: [rrusunen@comcast.net](mailto:rrusunen@comcast.net)

### **Refreshment Committee**

Volunteer members provide refreshment at the monthly meetings.

Apr: Lynn Mattingley & Sherry Rusunen  
May: Linda Willey & Joyce Swartz  
Jun: Becky Blick & Marylan Kelly  
Jul: Carma Huset & Karen Huset  
Aug: Annual Club Potluck Picnic  
Sep: Pat Schroeder  
Oct: Sandra Guyot  
Nov: Open  
Dec: Christmas Party & Gift Auction

### **April Celebrations**



<b>Cassandra LaFleur</b>	<b>1</b>
<b>Roderick Rice</b>	<b>1</b>
<b>John Earnest</b>	<b>10</b>
<b>Pete Hazard</b>	<b>11</b>
<b>Arleta Thompson</b>	<b>15</b>

### **April 1, 2022**





## **2022 Board of Directors**

## **Volcano A's General Membership Meeting Minutes**

**Monday March 14, 2022**



### **President:**

Roger Green  
503-602-2668  
[Roger\\_o\\_green@yahoo.com](mailto:Roger_o_green@yahoo.com)



### **Vice President:**

Gary Swartz  
360-666-0637  
[Garyswartz4@msn.com](mailto:Garyswartz4@msn.com)



### **Treasurer:**

Leonard Willey  
661-609-1988  
[lindawilley@mac.com](mailto:lindawilley@mac.com)



### **Secretary:**

Sherry Rusunen  
360-828-5317  
[rrusunen@comcast.net](mailto:rrusunen@comcast.net)



### **Member at Large:**

Austin Alling  
360-901-5998  
[Austin.Alling@icloud.com](mailto:Austin.Alling@icloud.com)



### **Past President:**

Jerry Lane  
360-600-3158  
[northforkmuseum@gmail.com](mailto:northforkmuseum@gmail.com)



### **Editor/Webmaster:**

Bob Rusunen  
360-828-5317  
[rrusunen@comcast.net](mailto:rrusunen@comcast.net)

Note: Periodically some materials printed in our newsletter may have been borrowed from other club newsletters. We thank other clubs for sharing their newsletters with the Volcano A's. Also, when sources are known they will be included.

**CALL TO ORDER:** Roger Green called the meeting to order at 7:05 pm.

**GUESTS:** Roger re-introduced Don Olson, a new member who owns a 1929 Phaeton.

**TREASURER:** Leonard Willey gave the financial report.

**TOURS:** Gary Swartz announced we will have a tour on Sat. March 26<sup>th</sup> and going to the Pearson Air Museum followed with lunch at McGrath's Fish at noon. We will meet at the Walmart parking lot on Mill Plain and Hwy. 205 at 10:00 and leave at 10:15. Austin Alling will plan the next tour for April.

**EDITOR/WEBMASTER:** Bob Rusunen stated that he still had club directories available. They will not be mailed out, so you must attend a meeting or join an excursion to receive your copy. Bob also pointed to the engine article in the last newsletter. Be sure to read it as that is the engine Leonard Willey has purchased for his car. There will be further info in the next newsletter.

**COMMUNITY SERVICE:** Joyce Swartz reported our Jan. and Feb. food collection totaled 100#'s

**LAVA LADIES:** Dian Lane announced there will be a Lava Ladies meeting at the museum on Sat. March 19<sup>th</sup> at noon for lunch followed by a planning session for lady activities.

**REFRESHMENTS:** Nancy Wooldridge stated the Refreshment list is being passed around. Please sign up for a date to supply refreshments at our meetings!!

**SUNSHINE:** Carma Huset reported flowers were sent to members that were hospitalized. All are doing well!!

**MODEL A NEWS:** Corley Wooldridge presented a "call out" to members to get involved in our club!! Nationally some clubs are ending because of lack of participation. We sure don't want that to happen to the Volcano A's. So PARTICIPATE!! Come to meetings, join in our excursions, and join a committee!! WE NEED YOU!!

There are members in need of some help with their cars. Talk to Roger. He will guide you to Rusty Chappell or Don Olson or Leonard Willey. All will be needing help on their cars! Stay tuned!!

Jerry Lane announced the Swap Meet at the Expo Center is coming!! It runs from Fri.-Sun April 1st-April 3<sup>rd</sup>. Our club's booth is in Hall E and is #4064. We can use help at the booth. Stop by!!!

**RAFFLE:** Corley Wooldridge won \$40.00, and the club received \$39.00.

**REFRESHMENTS:** Following the meeting Nancy Wooldridge and Dian Lane served fruit and dessert.

**ADJOURNED:** Roger Green adjourned meeting

Submitted by Sherry Rusunen

### ***Portland Swap Meet***

Apr 1-3 Portland Expo Center, Portland , OR

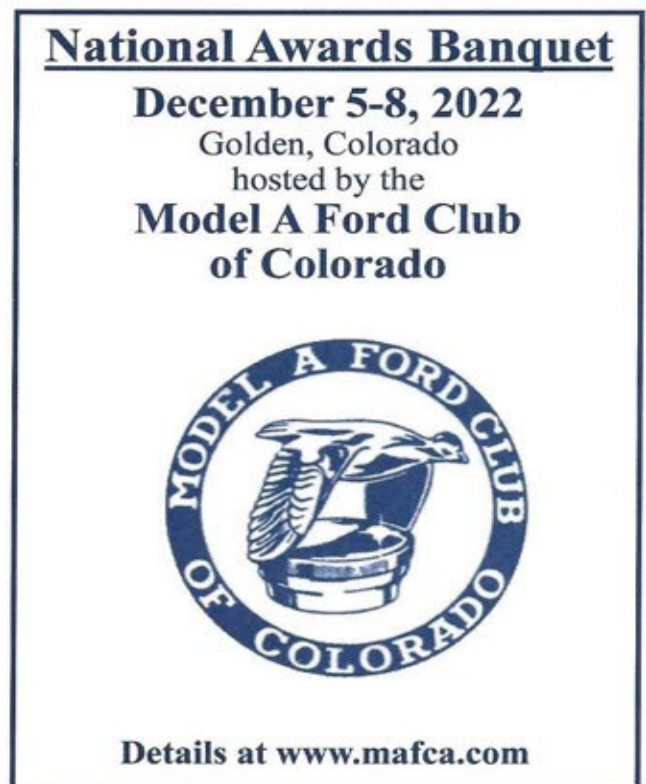


### **Upcoming Club Events**

- Apr 11 – Monthly Volcano A's Meeting  
May 9 – Monthly Volcano A's Meeting  
May 21-22 – **Monroe Swap Meet**, Evergreen  
State Fairgrounds, 14405 179<sup>th</sup> Ave SE,  
Monroe, WA  
Jun 13 – Monthly Volcano A's Meeting  
Jul 4 – Ridgefield July 4<sup>th</sup> Parade  
Jul 11 – Monthly Volcano A's Meeting  
Aug 8 – Monthly Volcano A's Club Picnic  
Sep 12 – Volcano A's Meeting  
Sep 14-18 – Annual President's Tour and Hub  
Regional Tour – Spokane, WA  
Oct 10 – Volcano A's Meeting  
Nov 11 – Ft Vancouver Veteran's Day Parade  
Nov 14 – Volcano A's Meeting  
Dec 12 – Volcano A's Christmas Party



### **Future MAFCA Events**





## **Proposed 2022 Model A Tours**

- **April:** Open – TBD
- **May:** Open - TBD
- **June:** Poker Run to the country, train ride and lunch.
- **July:** Ridgefield July 4<sup>th</sup> Parade and lunch.
- **August:** Club Tour and Picnic.
- **September:** President's Tour
- **October:** Open – TBD
- **November:** -Veteran's Day Parade and lunch.
- **December:** Christmas Potluck Dinner and Gift Auction.

## **Pearson Air Museum Tour**

Saturday, March 26<sup>th</sup>, we gathered at the Wal-Mart parking lot near Mill Plain & I-205. Gary did a wonderful job of herding the Model A's down Mill Plain, keeping us all together through all those traffic lights (I was never able to do that!). Soon we were at the wrong gate to get in, but that's OK, because this year we got a great tour of the general aviation area and a couple of taxiways.

There were 5 Model A's and several newer cars. Bob & Sherry Rusunen, Jim & Marylan Kelly, Gary & Joyce Swartz, Leonard & Linda Willey, Pete Hazard & Jann Jones, Deon & Pat Schroeder, Corley & Nancy Wooldridge, Austin Alling, Jesse Baker & Sandra Guyot, Eirik, Karen & Carma Huset, John Earnest and Roger Green were all in attendance.

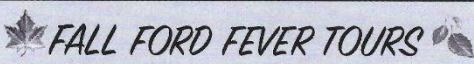
The Museum has changed through the years, but the Park Service pulled it together to tell an interesting and important history of the spruce production for the war effort in this area. After the museum it was off to lunch at McGrath's. They pulled tables together so we all fit in. Lisa, our waitress did a wonderful job and we had plenty of time to chat. Gary and Joyce led us through a game of 'guess how many gum balls were in a jar' and Carma was the closest. Gary presented her with a Might-T-Fine award, a gift certificate to Fred Meyers. I would like to thank everyone who turned out and Gary for putting on a great tour.

Random ROG

## **Pearson Air Museum Photos**







## THE NWRG HUB TOUR

*Registration Form*

**September 14 — 18, 2022**

Hosted by the Inland Empire A's • Spokane, WA

Host Hotel: TRU by Hilton • 13509 E. Mansfield • Spokane Valley, WA 99037 • (509) 782-9878  
\$132.00 per night (plus taxes). Mention you are with the Model A Club

Name \_\_\_\_\_ Spouse/Guest \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_


Phone# \_\_\_\_\_ Email \_\_\_\_\_ Chapter \_\_\_\_\_

MAFCA# \_\_\_\_\_ (Required) Emergency Contact Phone# \_\_\_\_\_

Are you bringing a Model A? ☐ Yes ☐ No Car Trailer? ☐ Yes ☐ No


Quantity	Cost	Total
Registration fee per car _____	\$100.00	\$ _____
September 14th - Welcome Social No-host bar, appetizers, potato bar w/numerous toppings & garden salad _____	\$ 30.00 pp	\$ _____
September 18th - Farewell Breakfast _____	\$ 25.00 pp	\$ _____
	<b>Grand Total</b>	<b>\$ _____</b>

Registration form deadline is June 15, 2022. Due to COVID concerns this tour will be limited to the first 100 NWRG members and is Non-Refundable. After June 15, registrations will be open to any interested parties, but still limited to 100 registrations. Make checks payable to Inland Empire A's and mail completed registration to the address below. Masks are currently required for indoor events, but not mandated and hand sanitizers will be available at the hotel as well as both socials.

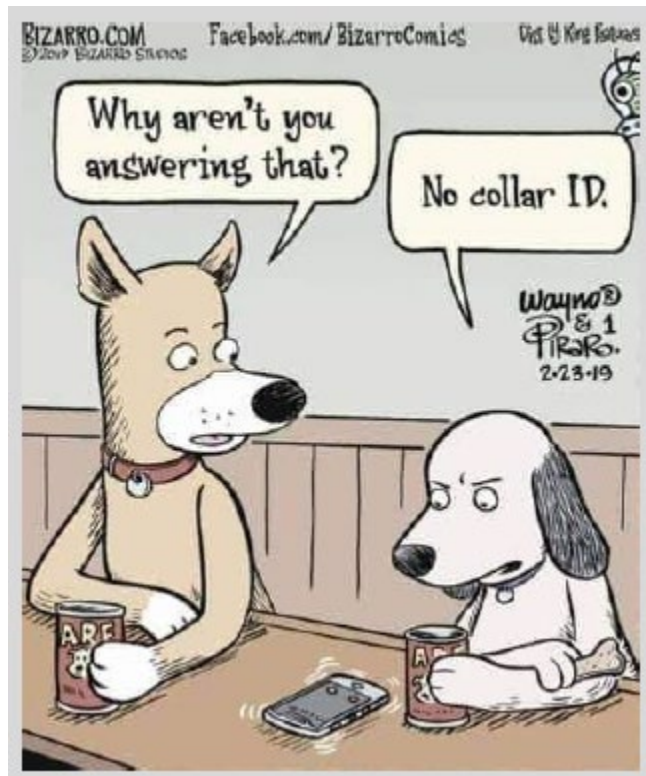


For questions call  
Laura Henke: (509) 981-4411  
or Jackie Bonner: (509) 925-0361  
or Email: 2020fallfordtours.com

**Inland Empire A's**  
17803 E. Indiana  
Spokane Valley, WA 99016

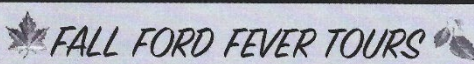


Northwest  
Regional Group



Reprint from: Sullivan Trail A's- March 2022

**Happy Easter April 17, 2022**



## THE INLAND EMPIRE A's INVITE YOU TO JOIN THEM IN A HUB STYLE MEET

**SEPTEMBER 14 — SEPTEMBER 18, 2022**

**Spokane, WA**

You can pick and choose from various wonderful scenic self-guided tours of Spokane and the Northern Idaho Panhandle area.


**Tours include:**

**City Parks Tour:**  
You will enjoy attractions like a gondola ride over the beautiful Spokane Falls in Riverfront Park (downtown area), or ride a 100 year old carousel, or walk a few blocks to downtown shopping. You might like to check out the gorgeous Manto Park (South Hill area) with four separate spectacular gardens.


**Idaho Panhandle Tours:**  
You can visit the busy Sherman Street shops (Coeur d'Alene area) or hop on a short cruise of Lake Coeur d'Alene, or relax in a quiet drive around the lake in your A. Take a tour through Dobson Pass ending in historical Wallace and visit the underground Sierra Silver Mine, or explore a 1881 abandoned gold mine in Kellogg.

**Northern Spokane Tour**  
Discover a panoramic view of the whole area atop Mt. Spokane, which includes five lakes. Then head over to the Green Bluff area which is a farm community set upon a bluff and is home to breweries, a winery, a cidery and an abundance of produce as well as various local craft shops. Enjoy wine tasting, shopping, eats, and many fall festival events. Plus additional alternate museum tours, e.g., the excellent Inland NW Rail Museum in Reardon.

**For more information email us at**  
**2020fallfordtours@gmail.com**



Inland Empire A's  
17803 E. Indiana  
Spokane Valley, WA. 99016



Northwest  
Regional Group





*Model A Ford Club of America*

250 SO. CYPRESS • LA HABRA, CALIFORNIA 90631-5586  
562/697-2712 • 562/697-2737 • FAX 562/690-7452

November 1, 2021

Dear Bob,

I am very pleased to inform you that your effort as the Volcano A's webmaster has been recognized and accordingly has been awarded MAFCA's 2021 Website of Merit.

Newsletters used to be one or two pages of information done on mimeograph paper and even when you received them, they still smelled of alcohol. Other newsletters were done with cut and paste technology and then reproduced in black and white at the local Kinko's. Telephone trees were the instant communication tool for all clubs. Then we graduated to publishing programs in the mid-nineties. Wow, color. Then inexpensive cameras and floppy discs and pictures of club members doing things and pictures of places to go and things to see. The revolution was underway.

Today the website is quickly becoming the newest avenue of communication. I think about my own chapter and was surprised to learn that five of the six most recent new members found us via the chapter's website. Clearly things are changing. It is hard to know what the next development will be. For now, the website is the shining star.

Congratulations on being recognized by MAFCA for maintaining an exceptional website. For our hobby is to remain relevant in the 21<sup>st</sup> Century, websites must continue to grow in importance and significance.

*Bob Bullard*

Robert Bullard  
2021 MAFCA Chapter Coordinator

## **MAFFI Newsletter Minute-March**

Model A Days 2022, at the Model A Ford Museum in the Gilmore Car Museum, Hickory Corners, Michigan will be a two-day event this year. Mark your calendar for September 16 and 17, 2022. For more details on the event, go to the Model "A" Ford Foundation site at [www.maffi.org](http://www.maffi.org). Once on the site, select the Model A Days tab. This will bring up a list of information answer most of your questions and provide a link to register for the fee to participate events (Air Zoo, BBQ and Learn to Drive a Model A Class). Also, if needed, purchase entry tickets on <https://gilmorecarmuseum.org>.

Thank you,  
Marsha DuBreuil, MAFFI

## **Remember Those Good Old Days**



### **Model A Restorers Club**

6721 Merriman Road,  
Garden City, Michigan 48135  
(734) 427-9050

E-mail: [modelarestorers@sbcglobal.net](mailto:modelarestorers@sbcglobal.net)  
Website: [www.modelaforum.org](http://www.modelaforum.org)  
Dues are \$45.00 per calendar year.

### **Model A Ford Club of America**

250 S. Cypress Street  
La Habra, Ca. 90631-5515  
(562) 697-2712

E-mail: [info@mafc.org](mailto:info@mafc.org)  
Website: [www.mafca.com](http://www.mafca.com)  
Dues are \$50.00 per calendar year.

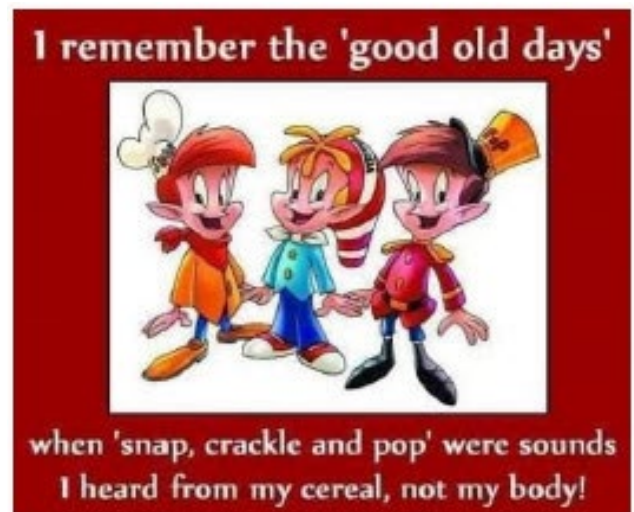




## MAFCA Information

The **Model A Ford Club of America, Inc. (MAFCA)** is a California non-profit corporation and a national historical society dedicated to the restoration and preservation of Model A Ford vehicles as manufactured from 1928 through 1931. MAFCA's members are dedicated to the restoration, preservation, and enjoyment of Ford vehicles of that era. MAFCA is the largest club in the world dedicated to one make of automobile. Volcano A members are urged to join the Model A Ford Club of America, Inc. Visit the MAFCA website for a membership application. Dues are \$50 yearly and include a subscription to **The Restorer**.

## Restorer March/April 2022



**J.C. WHITNEY & CO.**  
 1917-19 Archer Ave.  
 Chicago, Ill. 60616  
 1965-Catalog No. 215

FOR YOUR CAR OR TRUCK  
**NEW '65!**  
Contributed by Jim Riley

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**CHAMPION**  
**SPARK PLUGS**  
**FOR FORD MODEL "A"**  
 Nationally known Champion spark plugs with the new 5-rib insulator. Designed and engineered for long dependable service. 1 1/8" hex. For 28-31 Ford A, AA.  
 No. 90687—Each **\$1.08**  
**POSTPAID**

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**20,000 Mile Guarantee**  
**SPARK PLUGS**  
**FOR FORD MODEL "A"**  
 1-pc. construction — flat nickel alloy electrodes, heavy duty insulators. Engineered for rugged dependable service. Fit all 28-31 Ford A, AA.  
 No. 90539—Each 43c. Lots of 10, each 41c.  
 Lots of 50, Each **39c**



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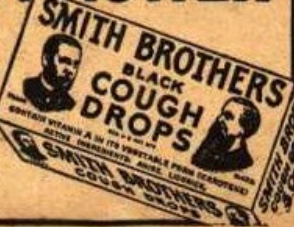
**Spark Plug Wrench**  
**FOR FORD MODEL "A"**  
 • Fits 28-31 Ford A, AA original and replacement spark plugs with 1 1/8" hex.  
 • Holds plug for easy installation and removal.  
 • Heavy plated steel construction.  
 • Oblong hole in wrench to accept all types of handles.  
 No. 74-5801—Each **49c**

Reprint from: Santa Maria A's Headlight Herald  
February 2022

## QUESTION

Which are the  
only cough drops  
containing  
**Vitamin A?**  
(CAROTENE)

## ANSWER





## *Lava Ladies 2022 Events*

We had fun coming up with possible events at our luncheon and here is what we came up with, all of which may be subject to change. Please plan to join us, we always have a great time!

When	What/Where	Host
March 19th	Planning luncheon @ museum	
April	Camas shops & lunch	Linda Willey
May 13th	Cannon Beach overnight Theater, shops, and fun!	Joyce Swartz
June	Tentative: CPR training or Alderbrook Park mini golf	Karen Huset or Joyce Swartz
July	4 <sup>th</sup> of July Parade and Picnic	
August	Rogerson Clematis gardens in Portland	Dian Lane
September	Sauvie Island	Karen Huset
October	Babies in Need and Bunco	Marylan Kelly
November	Veteran's Day Parade	
December	Tentative cookie exchange	Karen Huset



## Model A Ford Club of America

Over 25 Years on the Web - 1997-2022

"The Largest Car Club in the World Dedicated to One Type of Automobile"



*Model A Ford Club of America*

250 SO. CYPRESS • LA HABRA, CALIFORNIA 90631-5586  
562/697-2712 • 562/697-2737 • FAX 562/690-7452



*The Prez Sez...*

April 2022

It's been a long and hard winter for many. Much of the country has sprung forward with our clocks and are now enjoying an extra hour of daylight. I love this extra time to be in the shop working on my Model A. I encourage you all to make some time to get your car ready for the upcoming touring season.

I want you all to know that MAFCA has joined forces with the MAYRA, Model A Youth Restoration Award team, to proclaim the Month of May as Model A Youth Month. These young people are essential to the future of our hobby. I would like to encourage each member of MAFCA to take the opportunity to involve your young people in the hobby. Many times, I have been invited to bring my Model A to a school event to share the joy of owning a Model A. It is always fun to have the young people sit in the car, honk the horn and pretend to drive. Remember we have the A World Magazine available for the children. You can subscribe by sending your email address to [Aworld@mafca.com](mailto:Aworld@mafca.com). This is a wonderful electronic publication written by our editor, Sherry Winkinhofer. I hope you can do your part to share your car with grandchildren and neighbors.

Most of you know that I have a great desire to grow the club membership. Recently I have visited several chapters and made a pitch for the chapter members to join MAFCA. On every visit I have signed up new people. This is a great place to start. Chapter members already have an interest in the hobby and many own a car. Remember the first year of membership is available at no charge. I have been asked, "What's the catch"? There is a catch for sure. We want these new members to continue as members of the chapters and MAFCA for many years to come.

I am anxiously awaiting the day we will attend our National Convention in Kerrville Texas. The dates are June 12 through 17<sup>th</sup>. I know that many have reserved rooms and now is the time to send in your registration forms. This will be a unique chance to see the Texas Hill Country as presented by our host Chapter the Alamo A's. There is so much wonderful history in the area from the River Walk to the Alamo. Be prepared for some of the best Model A Roads offering some great country touring. I'm looking forward to the Era Fashion show, the Fine Point Judging and of course the Restoration Class Evaluations. There will be something there for everyone. You can find registration forms on the front page of our website, [www.mafca.com](http://www.mafca.com). I would like to thank the many fine members of the Texas Clubs who are contributing to the success of this event.

I'm looking forward to seeing you soon,  
Ahooga, Jay McCord





*April 2022 Flying Quail Chapter Coordinator Article  
From the desk of 2022 Chapter Coordinator - Robert Bullard*

Hopefully, in spite of the cold weather and snow in the northern states, all Chapters are preparing and gearing up for the 2022 touring season. As part of the prep phase, be sure and check out the MAFCA National Driving Recognition Awards policy #P2S05-G and decide which option(s) will best fit your Chapter's driving practices. There are three different ways to earn MAFCA recognition for the miles you drive your Model A. Download the Policy, discuss it at your next club meeting and see if it will work for you or your club.

MAFFI has some important changes in the 2022 Model A Days gathering at the Gilmore Car Museum in Hickory Corners, MI. First and foremost, the event is now a two-day affair versus one day. Secondly, the host hotel will now be the Delta Hotel by Marriott in Kalamazoo, MI. So be on the lookout for meeting information from both MAFFI and MAFCA and get yourselves organized to attend. What better way to support the Model A hobby??

As we all look forward to getting on the road in 2022, don't forget to register for the MAFCA NATIONAL CONVENTION in Kerrville, Tx from June 12 – 17, 2022. The Alamo A's along with other Texas MAFCA chapters have worked hard to make this event special. But they have a problem. As they move closer to the deadline and financial obligations necessary to make all the pieces come together, registrations are running very low. Currently we have registration for less than 25% of the normal attendance at a MAFCA Convention with less than three months to the event. As of mid-March, only two people have signed up for car judging and four people for fashion. Both represent significant financial commitment at the Convention. You can see the dilemma. How far do they extend the spending in hopes of increased attendance? Help out and get registered. Everyone involved will benefit from your decision to commit to attending the convention. But, remember that EARLY BIRD REGISTRATIONS MUST BE RECEIVED BY MAY 1 IN ORDER TO AVOID A \$15 INCREASE.

"Paying it Forward" - Robert Bullard

**April 18, 2022**

**HAPPY TAX DAY!**

### **Model A Era Fashion**

## SPRING FASHION 1930 STYLE



Reprint from: Chatter Newsletter- March 2022



## **Model A Tech Notes**

### **FROM THE BENCH**

**CHRIS WICKCRESSHAM**

### **The New Burtz Model A Engine (Part 2)**

Part 1 of this report included comments on the efforts of Terry Burtz to design and manufacture an "improved" Model A engine block assembly. I also commented on the components in the "block kit" purchased by Chuck Davies, one of our Santa Anita A's members. He brought one of the new Burtz Engine kits to my shop and wanted me to "help" with the assembly. Since this was my first experience with the new Burtz Engine, I decided to document the process.

Last month was the first installment of what is involved in putting together the new Burtz Model A Engine. We left off with the block being de-burred and the necessary alternations made to adapt to a full flow oil filter.

An inspection of the critical dimensions had been performed and all measurements were well within tolerance with the exception of the valve seats. The width of the part of the seat closest to the center of the engine was noticeably wider (approx. 0.030 inches) than the width of the opposite side of the seat. This was noted with all the intake and exhaust seats. The seats also appeared to be a little rough. This same inconsistency was found in 2 of the other Burtz blocks I had in my shop but a third block had seats which were very uniform and smooth. For this first engine, it was decided to re-grind the seats to insure good sealing and longevity.

After the valve seats were re-ground, the block was cleaned and prepared for paint. The cleaning process included several steps using solvent, Simple Green, high strength detergent, lots of hot water and finally a pressure flushing of all oil and water passages. Long brushes were used to clean all the oil passages to insure they were absolutely clean and free of chips and debris. After the final rinse with hot water, the block was immediately dried and the cylinder bores were protected with a light coat of oil. To help insure good adhesion of the paint, keep the outside of the block free of oil and be sure your hands are clean as well as any tools you are using. At this point, I use a big plastic bag to keep the block clean when not being worked on.



*The head, block and front cover are temporarily installed for painting.*

The block is now ready for paint. When painting a Model A engine, I have found the easiest way to keep paint off the surfaces you do not want to get painted is to set the block on a table and temporarily bolt on the head, side and front covers. I use only a few bolts, just enough to hold the parts in place. A little masking on the rear machined surfaces and some old spark plugs to keep paint out of the cylinders and you are ready to paint.

For this engine, it was decided to use the original Ford Engine Green however the color the engine is painted is strictly up to the individual. Years ago, we would paint the engines of our old Hot Rods red because a car with a red engine always seemed to go faster.

Now for the fun part, assembling the engine. The first item on the assembly process is to install all the oil galley plugs but there was a minor problem with one of the plugs. Terry Burtz designed the engine to use straight machine thread plugs for oil galley plugs.



*The arrow points to an oil passage hole that must be plugged and sealed by a 7/16-14 "set screw".*

There is one place where a 7/16-14 "set screw" is used to plug a short oil galley at the front of the engine. This set screw was intended to only be screwed in until it was flush with the outside machined surface of the casting but the threads were tapped so deep that the set screw could be screwed in so far in that it would block off an intersecting oil galley. If the engine was not being used with an external oil filter this would not be a problem but these passages are used to supply filtered oil to the main oil galley when using an oil filter.

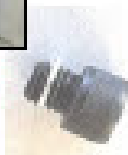
continue page 12

I sent an email to Terry Burtz and he very quickly responded and said this plug was intended to only be installed flush with the machined surface and not screwed all the way in. Terry proceeded to communicate my finding to the quality assurance team and also made an addition to the "Builders Guide" to point out this issue.

To insure this plug and all the other galley plugs would stay in place, all but one were installed using epoxy as a sealer. The exception was the plug for the main galley at the rear of the block. A half inch long, 1/2-13 socket head cap screw (Allen screw) with an aluminum sealing washer was substituted for the 1/2-13 "set screw" type plug supplied in the kit. I had heard from others that there were a few instances where an oil leak had developed when the "set screw" did not seal properly. Using a cap screw with a sealing washer will provide a positive seal.

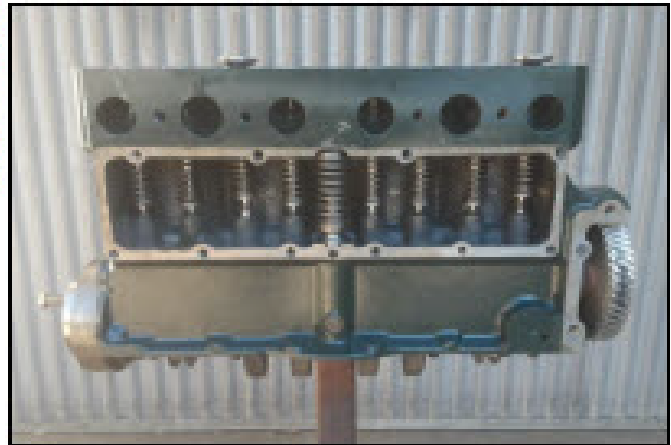


The arrow shows where a 1/2 inch long, 1/2-13 socket head cap screw (Allen screw) with an aluminum sealing washer was installed.



The next step was to install the crankshaft. Following the directions in the "Builders Guide", the crankshaft was cleaned and inspected and the main bearing studs and bearing shells were installed. The crankshaft was placed in the block and bearing clearances were checked. While all the other bearings were well within specification, it was found the rear bearing had a clearance of 0.004 inches which is a little loose. To correct this, the rear bearing cap was lapped on the surface plate until the desired clearance of 0.0015 inches was achieved. When completed, the crank turned free and smooth. Before I continue, just a note about the nuts that were supplied for the main bearing studs. All of the nuts supplied in the kit were a little loose on the studs. The solution for this was to purchase new grade 8, 12 point jet nuts and new castle nuts which were found to fit much better.

Now, on to the valve train: The tappets were placed in the block. The crank and cam gears were installed and the cam was placed in the block. A liberal amount of assembly lube was used on the foot of each tappet and on each cam lobe and journal as well as the cam thrust surface at the front cam bearing. The valves, springs and keepers were then installed and the valve clearances adjusted. When adjusting the valves, I find it a lot easier to rotate the crank without having the pistons and rods in place.



Block assembled with crankshaft, pistons, rods, cam and valves.

The piston and rod assemblies were next. Each piston was installed on a rod and the rings installed on the piston. These assemblies were then installed in the block. Bearing clearances were checked and all found to be within spec.

One issue that did come up was one rod cap bolt on each rod protruded slightly thru the rod just where the rod comes closest to the cam. I was not able to determine exactly how much clearance there was between the cam and the tip of the rod bolt but I did know the cam comes very close to the rod at this point. To insure there was no interference, the corner of the end of the each bolt was removed back flush with the rod.



Arrow indicates where rod cap bolt protruded slightly.

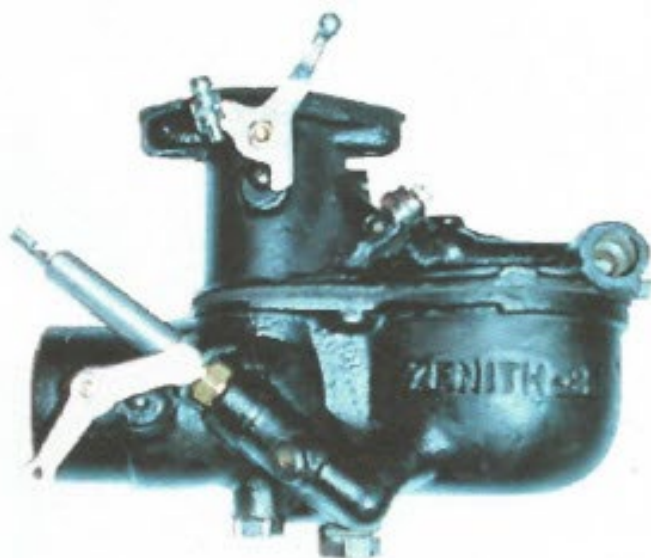
This completes the assembly of the basic "short block". All in all, the assembly went well. The few issues that were found were easily resolved and I am confident the new Burtz Model A Engine will be far superior to any of our previously available options and will result in an engine that is smoother, stronger and much more reliable than the original Model A or B engines. Also, it should not leak oil.

Part 3 will appear in the March Newsletter

Reprint from: Santa Anita - Spoken Wheel Newsletter – February 2022



# Model A Ford, Zenith Carburetor Troubleshooting Chart



## Common Causes

## Common Symptoms

Common Causes	Problems when driving over 30 to 35 MPH	Problems when driving 5-35 MPH	Engine won't idle smoothly at 350 to 450 RPM	Engine dies when vehicle comes to a stop	Gas Leaks from Carburetor	Low mileage / Sooty plugs / Mixture rich / Smell gas	Mixture lean and over heating	Back fires at high speeds	Miss and jerks on hard pulls at low speeds	Opening GAV does not provide extra fuel at low speeds
Loose fuel line fitting, drain plug, filter strainer, GAV, Passage plugs, etc..										
Float is set too high or a pin hole absorbs gasoline into float.										
Float Valve does not seat properly due to dirt, rust or material failure.										
Gaskets are not sealing properly.										
Gasket at Main Jet is too thick or multiples are used, resulting in tip being too low.										
Main Jet or Cap Jet Tip is not "dished" / "indented".										
Vacuum leaks at manifold gaskets, wiper line, or throttle shaft.										
Throttle Idle Adjustment Screw is mis-adjusted.										
Idle Air Adjust Screw is mis-adjusted or too short, collapsing spring before it seats.										
Upper Casting Idle Jet Passage is restricted to Idle throat port.										
Upper Casting Air Adjust Screw Passage is restricted to vent hole.										
Idling Jet Orifice contains dirt or rust, or is too small.										
Idling Jet Orifice is too large.										
Gas Adjusting Valve is open too much or seat is not honed to let needle seal.										
Gas Adjusting Valve Brass Seat is missing from carburetors built through 1929.										
Lower Casting Bowl Passage is restricted to Secondary Well via GAV Seat Hole.										
Lower Casting Comp. Jet Passage is restricted to Cap Jet via Secondary Well.										
Compensator Jet Orifice contains dirt or rust, or is too small.										
Compensator Jet Orifice is too large.										
Float is set too low.										
Lower Casting Bowl Passage is restricted to Main Jet & Drain Plug.										
Main Jet Orifice contains dirt or rust, or is too small.										
Upper Casting Fuel Line Passage is restricted to Float Valve via Filter Strainer.										
Gas Adjusting Valve Seat is blocked with dirt or rust.										
Air Filter is restricting air flow.										

Reprint from: Sis-Q-A's Hot Babbitt News – March 2022

## Jim's Tech Tips

### "Radiator Hoses"

If there is one thing we take for granted on the Model A engine, even more than the fan belt, it's the radiator hoses. We put them on and expect them to last "forever". But they don't. I've been on more than a few tours where someone ends up with a leaking radiator hose that interrupts their drive.

So today's Tech Tip is to remind you to inspect the radiator hoses and snug up the hose clamps (if needed) every time you change the engine oil. Look for signs of coolant seeping out of the hose, usually at the end. Look for obvious cracks and other signs the rubber is breaking down.



The upper radiator hose is subjected to the hottest coolant while you drive, so that is often the hose that starts leaking first. And the lower steel pipe tends to corrode away from the inside out, where you can't see it until it's too late. So look for coolant weeping down there, too.

A stock Model A does not run a pressurized cooling system, so it does not have a lot of pressure on the hoses. However, if you have a thermostat installed in your upper hose, the hose section between the engine outlet neck and the thermostat sees a lot of pressure when the thermostat is not open. A leak there can pump all of your coolant out in no time at all. So check that area carefully.

It's probably overkill, but to avoid a problem on the road, I replace my radiator hoses and coolant about every 3 years of normal driving. Avoid problems, and *Have a Model A Day!*  
Jim





## LOVE THOSE A'S

Some Photos Courtesy [MAFCA](#), [MARC](#), and [America in the 1930's](#) Facebook Pages



Reprint from: Sullivan Trail A's News February 2022

## **Classifieds: Buy, Sale, Trade or Just Give Away**

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### **"For Sale"....in Visalia, CA**

1929 Model A Business coupe; Forest green with vinyl top; Engine inserted in 2018 Skokie Illinois; 1939 transmission; Closed radiator system; Completely re-wired harness; Rear end torn apart and updated twice; New cast iron drums and brakes; New King Pins; New shackle bushings installed front and rear; New tie rod and drag link bushings installed; Has Mitchell over drive; New Coker 16 inch radial tires with spare; New powder coated Kelsey rims; New bearings front and rear; New 1929 license plates purchased; New horn installed.....

Asking 17K.....Definitely a driver to whomever doesn't want to do little to no maintenance.

Contact Cruz: Cell (559) 804 1567 .....Email [cruz@chpappraisals.com](mailto:cruz@chpappraisals.com)



### **Ford Manufacturing Plant Picture**





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PHAETON 1928


  
STATION WAGON 1931


  
TOWN SEDAN 1928


  
SPORT COUPE 1928


  
FOUNDED 1902


  
CLOSED CAB PICKUP 1931

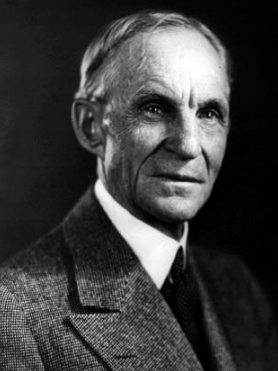
  
CONVERTIBLE SEDAN 1931

  
VICTORIA 1931

  
TUDOR SEDAN 1931

  
COUPE 1930

  
ROADSTER 1931



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