

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

www.volcanoas.net

Meeting: Church of the Nazarene – 16850 NE Fourth Plain Blvd, Vancouver, WA 98682 - 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 8

August

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





1930 Tudor Sedan in Ridgefield July 4th Parade



<u>President's Message</u> July 26, 2022

In July, Marlin & Kay, Richard Simpson, and Kathy & I, went on the Mosier Tunnels Tour. It

was a good day and not as hot as the last time we went. This year the lead coordinator rode in our car, so we got a full narration during the trip.

In the last newsletter a special message was imbedded in an article, I offered a prize to the first people to send me the answer. The winners were, in order, Kay Scott, Corley, Bibbi, Bob, Mike Tarr and Pete. Congratulations to all and enjoy your Ford logo shop towel!



Pete was especially proud of his towel!

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

Refreshment Committee

Volunteer members provide refreshments at the monthly meetings.

Aug: Annual Club Potluck PicnicSep: Pat Schroeder & Dianne EarnestOct: Sandra Guyot & Marylan KellyNov: Don Olson & Dian Lane

Dec: Christmas Party & Gift Auction

August Celebrations



Scott & Angela Parrish 1
Richard & Joanna Simpson 29



Gordon Cook	8
Darrell Freimuth	14
Connie Salzman	16
John Carlile	31
Marjorie Pargeter	31

Front Page Photo The last horray ride for Bob & Sherry's 1930 Tudor Sedan at the Ridgefield July 4th Parade

Articles and contributions are encouraged and may be used as space permits. The deadline for all articles is the 20th of the month. The Volcano View is a monthly publication of the Volcano A's Chapter - MAFCA E-mail all proposed articles to:

rrusunen@comcast.net

2022 Board of Directors

President:

Roger Green - 503-602-2668 Roger_o_green@yahoo.com

Vice President:

Gary Swartz - 360-666-0637 <u>Garyswartz4@msn.com</u>

Treasurer:

Leonard Willey - 661-609-1988 lindawilley@mac.com

Secretary:

Sherry Rusunen - 360-828-5317 rrusunen@comcast.net

Member at Large:

Austin Alling - 360-901-5998 Austin.Alling@iclould.com

Past President:

Jerry Lane - 360-600-3158 northforkmuseum@gmail.com

Editor/Webmaster:

Bob Rusunen - 360-828-5317 rrusunen@comcast.net

NO I CAN'T DO SNAPCHAT
OR TIKTOK BUT I CAN WRITE
IN CURSIVE, DO MATH
WITHOUT A CALCULATOR
AND TELL TIME ON A
CLOCK WITH HANDS.

Remember

The Club's Annual Picnic and monthly meeting will be at the Lane's Museum on Sunday August 7 at 1:00 PM

<u>Volcano A's General Membership</u> <u>Meeting Minutes</u>

Monday July 11, 2022

CALL TO ORDER: Roger Green called the meeting to order at 7:10 pm.

TREASURER: Leonard Willey gave the financial report.

EDITOR/WEBMASTER: No Report!

COMMUNITY SERVICE: Joyce Swartz reported we collected 27#'s for June...then Tom Pagel added another 71**#'s** giving us a total of 98 #'s for June and a total of 670#'s for the year!!

LAVA LADIES: Dian Lane stated that we will sponsor both Babies in Need and Sweats for Vets. Dates will be determined soon.

SUNSHINE: Carma reported a card was sent to Mike Blick wishing a speedy recovery. It was announced that Frank Emerick passed away June 28th. Burial is Sat. July 23rd followed by Celebration of Life.

ANNOUNCEMENT: Our club meeting for August is going to be our club's annual picnic. It will be held on **SUNDAY Aug. 7 at 1:00 PM at the Lane Museum**. The club will supply the chicken and drinks. Please bring a side dish or dessert!!

TOURS: Gary Swartz stated that the Poker Run on June 18th was a success and loads of fun!!

- Roger Green reported there were 6 cars in the Ridgefield Parade. All had a great time especially at the potluck.
- Roger said the Mosier Tunnel Tour was great fun!!
 We had 3 members attend.
- Gary announced our next tour is Sat. July 23rd. We will tour Vancouver with a couple of stops followed by lunch! Meet at 9:00 AM at Walmart on Mill Plain and Hwy. 205.

MODEL A NEWS: Roger reminded all that the Hub Tour in Spokane is Sept. 13-19th.

Bob Rusunen had his Model A featured in the July/August issue of the "Restorer"!!

REFRESHMENTS: Following the meeting refreshments were served by The Husets!

RAFFLE: Mike Blick won \$37.00, and the club received \$37.00.

ADJOURNED: Meeting was adjourned by Roger Green.

Submitted by Sherry Rusunen

Why do chicken coops only have two doors?

Because if they had four, they would be chicken sedans.

Upcoming Club Events

Aug 7 - Monthly Volcano A's Club Tour & Picnic @ the Lane's Museum @ 1:00 PM

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 & Lunch

Nov 14 - Volcano A;s Meeting

Dec 12 - Volcano A's Christmas Potluck Dinner and Gift Auction

You Are Invited

To The Annual Veterans Of The Road Old Car Picnic

Saturday, August 6th, 2022

The picnic will take place at 1354 Pleasant Valley Road, West of Chehalis, WA. This year's theme will be "Barnstorming in Goodland, Kansas 1928", with the Wichita Stompers Dance Orchestra playing tunes from the Roaring Twenties and everyone is encouraged to dress for that era.

What to Bring: Pot-luck food and folding chairs

No hot-rods or modified cars allowed at this event.

Ticket Activity

Tickets for the Grand Prize pedal $ca^{(l)}$ fill be given to all antique and classic cars as they enter the covered bridge.

Green: Tickets for the door prizes can be picked up at the booth in the picnic area.

Red: Tickets for the Raffle Prize will be sold at the booth in the picnic area.

Schedule of Events

11:00 AM 1929 Travel Air biplane fly-in. Air rides will be available.

12:00 Noon Orchestra performs first half of program

Intermission : Red Ticket drawing for the Raffle Prize Green Ticket drawings for Door Prizes

Orchestra performs second half of program

White Ticket drawing for the Grand Prize Pedal Car

Facilities: Out-houses, water and washing facilities.

The hosts and sponsors of this picnic wish to thank the visiting clubs for bringing and showing their cars.

Special thanks to Rod Rice for supplying the hamburgers and condiments.

The Billboard shows a vintage ad from Sinclair Oil Company.

For more information: (360) 740-4834

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.





Ridgefield July 4th Parade in 2022











July Tour 2022 - Fort Vancouver National Historic Site

We gathered bright and early on Saturday, July 23, at the Walmart parking lot, near I-205 & Mill Plain. To our great pleasure there was a '30 Roadster that we did not know. Todd & Sandy Miller had brought it, they are new to the area (sort of – I'll let them tell their story sometime). The rest of the group were Lynn & Jack Mattingley, Joyce & Gary Swartz, and Kathy & Roger Green. 3 out of the 4 couples were driving Model A's.

After the short drive to Fort Vancouver, we made are way into the stockade. Aaron, our Park Service Ranger lead us on a guided tour through several of the buildings and across the grounds. He gave us a lot of history and context on how to appreciate what this site means.

Next, we went up to the visitors center where the basket weaving guild was set up and demonstrating their craft. So many different materials, who knew you could use stinging nettle stocks to weave with?

Inside we watched a ½ hour movie about the Fort & area. Kathy & I were excited to see our friend, Tanna Engdahl, a Cowlitz Tribal member included in the film. I saw a Christmas present being carried out to one of the cars. From there we went to Beaches for lunch.

Our waitress at Beaches was Kenzie, she said it was short for McKenzie. Wow, what a good waitress! As she took our drinks order, she got our names, and used them the rest of the meal. We had a great lunch and a fun time. Gary. it was another great tour! Thanks for getting it organized. At lunch, I figured out where Todd & Sandy live. They invited Kathy & me to stop by on our way home; so, we did. Now Todd claims to be not ready for a shop tour yet (obviously he has not seen my barn!), but I can tell you we are in for a real treat when he is ready. Todd & Sandy, thanks for coming on the tour.

Roger Green

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.

Lava Ladies

It's early to start thinking about Veterans Day, but never too early to think about our Vets. The Lava Ladies are once again having a "Sweats for Vets" event when we collect sweat suits to donate to our local VA hospital. Many of their Vets have nothing but hospital gowns to wear when sent to clinics or doctors' offices. Last year the Lava Ladies collected 33 pieces of sweats and we hope to have more donations from all the Volcano A's this year. We'll collect any you bring to any meeting or event through November. The hospital recommends size L and larger and if you're buying more than one piece, a top and bottom. So, keep your eyes open for sweatsuit sales in the coming months and remember our vets...they so appreciate it.

<u>Community Service - Food Bank</u>

It was brought to my attention that some members forget to bring food on meeting night and would find it easier to donate cash instead. I will provide a box for cash donations at our next meeting. The Food Bank is having difficulty getting enough canned fruits and vegetables from their main supplier. They are also in need of canned spaghetti and ravioli (things kids can fix for themselves). Peanut butter is almost gone, and they would really appreciate some jams and jellies. Rice and pasta are always needed. I will use the cash to buy some of the things on their wish list. As always, thank you for all you do.

Joyce



Model A Restorers Club

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

E-mail: modelarestorers@sbcglobal.net Website: www.modelaford.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@mafca.com
Website: www.mafca.com
Dues are \$50.00 per calendar year.

MAFFI Newsletter Minute August 2022

MAFFI Newsletter Minute-July 2022, there were some statements made at the Morgantown, PA MARC National Meet that because Model A Days had been made a 2-day event there was some additional interest in attending. Here is something for people who think along those lines. If you would be interested in a 3-day event start your visit to the Gilmore at Hickory Corners, MI on the Thursday September 15th. This is the day before Model A Days starts. The Durant Motors Automobile Clubs Central Region will have a group tour to the Gilmore campus on this day. Their group of 30-40 people will bring 15-20 Supported Cars (Durant, Star, Rugby, Flint, Frontenac, De Vaux, Dort, and Durant era Locomobiles and Continentals) onto the campus. Their visit will last about 4-5 hours (10 or 11 am to 3 pm).

Handy Distributor Diagnostic Tool

James Taylor of Taylor Made Motors produced this handy tool. It helps with tune-ups.

To Make: Simply find an old but usable distributor cap top. Using a hacksaw or grinder, safely cut or grind off the sides of the cap, leaving about a half to 1" in the center. I found the hacksaw method slow and the grinding wheel relatively fast, but dusty. Be sure to wear safety glasses and a dust mask. Leave the spring clip retainers on it so you are able to secure it to the distributor when using.

To Use: Simply replace your distributor cap top with this one and observe the operation of the interior of the distributor when the car is running. This device will clearly show spark between the rotor and each cylinder spark wire as well as mechanical issues that may occur inside the distributor such as a wobbly or misaligned rotor.

Note: Be sure to replace the cap with the original to help keep water and other contaminants out.





Mike Blick won the 50/50 raffle. He got \$37.00 and the club received \$37.00.



Purple Heart Day - August 7th





The Prez Sez...

August 2022

It has been fun to watch MAFCA Grow this year. In April we approved the "Almost Heaven A's" serving West Virginia and the "Southwest Model A's" Special Interest Group in Albuquerque, New Mexico. The Southwest A's was formed to host our 2024 National Convention. In June, we welcomed the "Oklahoma Model A Restorers Group" serving the Oklahoma City area. The process of starting a new chapter is quite easy. The basics are to bring five enthusiastic members of MAFCA together with a vision and desire to have a club. You then apply to the National Club for approval. Our Chapter Coordinator, Robert Bullard will be happy to assist you. I would like to invite you to start a chapter in your area.

There are numerous benefits to membership in MAFCA. We can all agree that the Restorer Magazine is one of the finest publications available. We strive to provide fresh publications to the membership. Our latest offering in the How to Restore your Model A Series is Volume 10. Volume 10 is a collection of the best technical articles from our Restorer Magazine. This book sets a new standard for the series printed in full color. I have just purchased my copy and my impression is that it is the finest MAFCA publication to date. Look for the ad in this issue for more information. Please order yours today.

Watch your mail for information about our upcoming election for the 2022-2023 Board of Directors. There will be five new directors elected. Please support the candidates that you feel will best represent you. And vote early.

I would like to thank you all for the support you have given me this year. Our board is working hard to provide you with help with your club activities and technical problems with your cars. Remember that you can join our Facebook page, Model A Ford Club of America for help from our knowledgeable membership. Ed Tolman, our Technical Director has teamed up with Paul Shinn to provide you with another source of help. Send an email with your tech questions to Modelatechquestions@gmail.com.

As always, I am happy to help you. Please feel free to send me an email at president@mafca.com.

Happy Motoring, Jay McCord



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

Dateline: June 17, 2022 Kerrville, TX

As they say in the movie business: It's a wrap! The MAFCA 2022 National Convention in Kerrville Texas is finished and all have headed home. In total 304 registrations drove 214 Model A's from 31 different states to enjoy the hospitality, fun and games in Kerrville, TX. If you weren't there we missed you.

A very special thanks to the Alamo A's (host club), Dallas MAFC, Cowtown A's (Fort Worth, Texas), Golden Triangle A's (Beaumont, TX) and the Piney Woods A's MAFC (Houston, TX) for all their hard work, resources and attention to detail that made this meet an overwhelming success.

Especially busy was the repair tent where Dallas MAFC members repaired 69 cars. From the difficult, a blown clutch, to the simple, ignition timing. They were at the tent daily, bright eyed and friendly (at least most of the time) ready to help anyone and everyone with their car problems. A special thanks to them for keeping the Convention "On the Road".

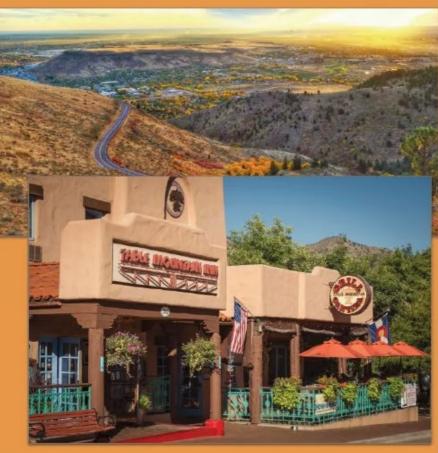
On days when participants were not attending seminars, tours to the San Antonio riverwalk/Alamo, era fashion judging or car judging there were nine self-guided tour routes available. The tours were varied in difficulty with something for all levels of drivers. Especially entertaining was the grad tour from Kerrville to Bandara, TX (The Cowboy Capital of the World) and lunch in a well shaded city park adjacent to the Medina river. Obviously, the temperature in southeast Texas in June is Hot, Hot, Hot! But, having acknowledged the high temperatures, they didn't prevent and anyone from having a great time

It was great seeing old friends, making new friends and getting to spend an entire week with fellow Model A'ers. If you can make plans to attend the 2023 MAFCA National Tour in Indiana/Michigan next June you will enjoy a wonderful week with other Model A



2022 National Awards Banquet December 5-8 Golden, Colorado





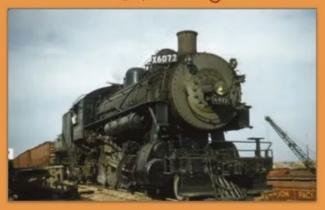


Join us in beautiful Golden, Colorado at the Table Mountain Inn.

Visit Clear Creek History Park, the Buffalo Bill Museum, the Colorado Railroad Museum, the Coors Brewery, the Rocky Mountain Quilt Museum, and The Clive Cussler Museum.

Something for everyone!





Teach What You Love!

Nathan Gild, age 11, is from Bethel Park, Pennsylvania recently had a school project that he made the most of.

His assignment was to teach his class about something he was interested in. Nathan choose the internal combustion engine, and he had a unique plan!

With the approval of his teacher, Nathan had his dad bring their Model A to school to use as part of his lesson. He began by outlining the history of gas motors to his fellow classmates, and then he used the simplicity of the Model A to illustrate all the parts of the engine. He was able to explain how they all work together to create power and deliver it to the wheels.

Nathan was asked multiple questions from interested classmates following his lesson, and he didn't slip a beat in answering all of them correctly. He impressed not only his class and teacher, but his father as well!

There is no doubt that Nathan is a Model A'er even at his age, and I'm sure he's just biding his time waiting for that driver's license so he can drive the A to school himself next time!









Model A ERA Summer Fashion





Ford Advertisement in Liberty Magazine, August 1928
"Vacation days are truly happy days when you go adventuring in the New Ford"

Tech Notes

Ford Service Bulletin May 1930

"The spark plug gap has been changed from .027" to .035". This new setting has been found to give better all-round performance. When an engine does not idle properly, often all that is necessary is to slightly open up the spark plug gaps. When an instance of this kind is brought to you attention, always check the spark plug gaps before attempting any repair work."

Spark plug from: modelabasics



Wheels & Tires From MARC

- Tire pressure recommended is 35 PSI, proper inflation is a must for safety.
- Use a good tire preservative to the sidewalls to help slow down the drying process.
- If you don't plan on driving your car for a long period of time, put the car up on jacks to prevent flat spots on the tire.
- 4. Rotate the tires every 2000-2500 miles for even tire wear
- Don't allow the tires to be exposed to direct sunlight sitting for real long periods.
- Always check the spokes on your rims for damage and straightness
- Always check your tires for nails, glass and any other things that might have fallen on your garage floor.

Reprint from: Sullivan Trail A's News July 2022

Stuck Wood Screws

Idea by John Trumbo, Kennewick, Washington Illustration by John Pratt, Urbana, Illinois Tiny Tips
From MAFCA Members

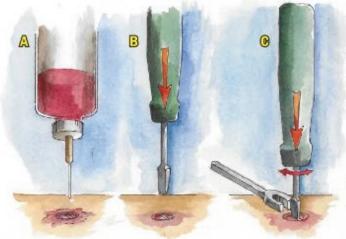
For anyone trying to remove a stubborn flathead countersunk wood screw that's rusted tight in the hole, here's what's worked for me:

- A. Apply some WD-40 or a 50/50 mix of acetone and automatic transmission fluid. Be liberal and let it sit, then repeat as necessary.
- B. Clean out the screw slot thoroughly with a small pick. Then use a square shank screwdriver that fits the slot fully. A tip that has ridges grips best.
- C. Push down hard on the screwdriver, and with a wrench that fits snug on the shank, turn counterclockwise

with brief, repeated efforts. Then go clockwise and do the same.

The trick is to work the screw back and forth with pressure. Avoid letting the screwdriver tip jump out of the slot, which can damage the slot.

As needed, apply more lubricant and let it penetrate. Θ



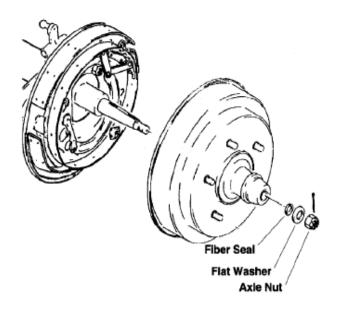
WE WANT YOUR IDEAS

If YOU HAVE A HELPFUL TIP about Model A restoration or maintenance, please send it, with a photo or sketch, to the MAFCA office: 250 S. Cypress St., La Habra, CA 90631 or email to: Restorer@mafca.com

Jim's Tech Tips

"Check Your Rear Axle Nuts"

Every time I have a rear wheel off of a Model A, I use the opportunity to check the tightness of the rear axle nut for that wheel. They are supposed to be quite tight, and yet I find many with at least one axle nut that is loose. This is not good. If the hub is able to move on the axle, it will cause excess wear to the end of the axle and can damage it to the point where the axle will need to be replaced.



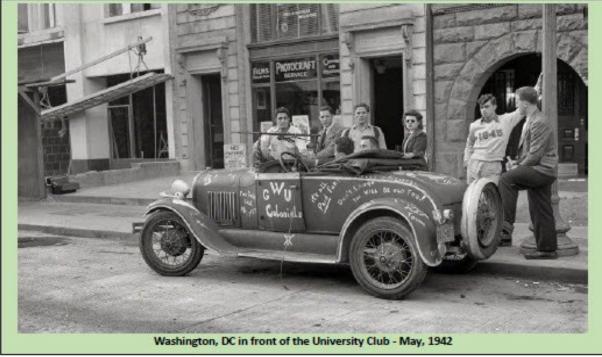
To check it, first remove the cotter key. With the transmission in 1st or Reverse gear, and the opposite rear tire on the ground, you can apply a wrench to the axle nut and confirm it is tight.

Ford did not publish torque values for nuts and bolts; he counted on the experience and "feel" of expert mechanics to know how tight to make things. Les Andrews has a value of 125 ft-lbs. in his book for this nut, and I feel that is a good target to shoot for. Watch the position of the cotter pin hole relative to the slots in the axle nut. If the pin will not line up on the nut, keep tightening the nut until the cotter pin goes in. Bend the ears over. I use a new cotter pin every time.

This simple maintenance step will help you avoid bigger problems down the road.

Until next time, Have a Model A Day! Jim **ر**س)





Reprint from: Sullivan Trail A's News July 2022

Ford Motor Plant in Dearborn, Michigan Information

Jarrod Williams MARC Facebook post May 11, 2022

Comments:							
Clyde Munson:							
"Imagine working a							
factory job at 83		TH	HE PROB	LEM OF A	GE	99	
years of age."							
Jamie Sollenberger:	NOTE						
"Look at the drop	THE AGE DISTRIBUTION AT THE RIVER ROUGE PLANT						
off from 45-50				MARY 20, 1930.			
Definitely hard	Λg	e Nun	aber of Men	Age	Number of Me	en	
work."	18		46	50	1398		
Steve McManus:	19		538 649	51 52	1046 992		
"That means the 83-	21		771	52	816		
	25		1971	54	710		
year-old who	24		2530 2442	55 56	714 574		
helped build model	9.5		2161	57	558		
A's could possibly	96		2687 2068	58	448		
have been a civil	28		8285	59 60	383 357		
war veteran.	20		8406	61	293		
Amazing!"	\$0 \$1		8692 8196	62 63	213		
Jim Morris: "The	82		3214	64	176 147		
Ford assembly line	93		3347	65	111		
back then was	34 35		3535 3632	66	94 72		
tough to work on.	36		3688	68	52		
Rules were strict	87 88		3791 8966	69	51		
like no joking while	39 39		3356 3406	70 71	48 24		
working on the line;	40		3410	72	19		
a serious work	41 42		\$062 2952	73 74	14		
atmosphere. Ford	43		2522	75	8		
also visited workers'	44		2501	76	8		
homes to see if men	45 46		2420 1002	77 78	5		
were drinking.	47		1852	79	1		
Interesting age	48		1627	82	ī		
distribution, thanks	49		1438	Total	00.50		
for posting!"	No. of m	en on each	shift	Salary men	90,781 1,477		
E.A. Hendy: "Social		Day Rate	Salary				
Security started in				Factory count	92,208		
1935. A lot of	No. 1 No. 2	12,119 49,325	1,419				
people before then	No. 3	29,287	37				
had to work til they		90,781	1.477				
dropped."							
Tim Mitchell:							
"My Grandfather	This excerpt is	from na	ge 99 of th	he book titled	1 "Moving F	orward	
was one of the 24yr	The theorpe is			lenry Ford.			
old's on that list. A	Chanter			Of Age." - Jan	rod Williams		
Machinist."	Chapter		1000	- 1. Jan	Total Williams	72.	



Looking for a car, selling a car? Have parts, want parts? Have other 'stuff' you need or want to sell? Free advertising right here. Contact your Editor for placing your ad in next month's Newsletter.

To place an "Ad" send your information to rrusunen@comcast.net, or call Bob Rusunen at 360-828-5317

1930 Model A Tudor Sedan Project For Sale

Engine rebuilt- Has been run about 30 minutes. Radiator rebuilt. Chassis powder coated. Transmission and differential assembled with used parts. Rust-free body blasted and primed. Lower body painted. 5 straight wheels. All seats and interior trim included. New hood and 4 fiberglass fenders. Great project without the rust and grease.

Asking price: \$7500.

Contact: Don Riddle: 503-313-1481 or dnkriddle@comcast.net











This would be a great project for someone wanting to know their Model A after re-assembly work completed.



For Sale, 1928 Ford Model A Tudor Sedan.

Driven into Vancouver on numerous occasions, and is fun to drive. Car looks nice, great interior, it runs good, it has new cast iron brake drums, 6-volt alternator, seat belts, turn signals, Asking \$14,000.

Contact Mike at 360-687-5241, Battle Ground WA

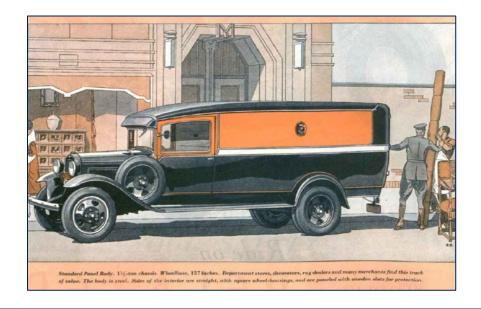


For Sale: 1930 Model A Coupe.

150 miles since nice restoration. Nice paint, great looking interior.
Motor rebuilt 150 miles ago.

\$20,000. Price is negotiable.

Contact Bruce Wells at 1-503-886-9472. Located near Battle Ground, Washington.



Support Our 2022 Club Suppliers





C'S AUTO MACHINE SHOP

- · FLYWHEEL GRINDING
- RESURFACING
- . BORING
- THERMAL CLEANING
- ROD REBUILDING
- . BLOCK DECKING

OPEN M-F, 8 am-6 pm

800 NE 86th Street

Vancouver, WA 98665

- VALVE GRINDING ENGINE REBUILDING
- KNURLING
- PIN FITTING

ANTHONY

574-4934

EDM SPECIALISTS IN REMOVING BROKEN TAPS, **DRILLS, STUDS & EASY-OUTS**

Cost Less Auto Parts™ PRESS WORK ROTORS & DRUMS "NO EXCUSES, Get it done!"

> **Orchards** 360-254-5710

We Save You Money

Hazel Dell 360-695-4423

Kelso 360-353-5956

www.costLessAutoParts.net

HART RADIATOR Complete Radiator Service 501 Grade Street, Kelso Fax 360-425-1189 Auto, Truck & Industrial Radiators, Heaters, & Air Conditioners 360-425-6220 Allen Hart Doug Hart

360-430-9169 Cell 360-430-3615 Cell allen@hartradiator.com doug@hartradiator.com

