

Dixie Vintage Antique Automobile Club, Inc Newsletter

<https://www.facebook.com/dixievintageauto/>

April 2020 Hoover, Alabama

Hoover TACTICAL FIREARMS

BUY SELL TRADE

Dixie Vintage Cruise-In@ Hoover Tac meets on the 1st Saturday each month year round 7A-11A.

Visit <http://WWW.DVAAC.COM> for more information about Dixie Vintage Antique Automobile Club.

You may mail your dues (\$20) check to our treasurer, Jim Likis, 4572 Eagle Point Drive, Birmingham, Al 35242. Checks should be made payable to Dixie Vintage Antique Automobile Club. Thank you!

Dixie Vintage Events

Our April 4, 2020 Dixie Vintage Cruise-In and the DV business meeting scheduled for Monday, April 6 are both cancelled due to the Covid-19 outbreak.

Saturday, April 25, 2020, 9AM-3PM

We have been advised by the City of Hoover that no decision has been made as to whether the Celebrate Hoover Day event, which includes our Annual Show, will be canceled or rescheduled. They have further advised that they are monitoring the Covid-19 situation and will follow the advice from both the Centers for Disease Control and the Alabama Department of Public Health as to whether or not to cancel the event. We will issue further advice in this regard by club email when we have a final decision from the City.

CHANGE IN MAILING NEWSLETTER

Going forward the Dixie Vintage newsletter that is currently mailed to 32 members will only be mailed quarterly. After the April edition, the next issue that will be mailed will be the July issue. Everyone receiving the newsletter by email will continue to do so. We encourage all members to obtain an email address and provide that to Dixie Vintage President Ed Zanaty to help reduce mailing & printing cost further.

Non-Dixie Vintage Events

See Dixie Vintage web-site for regular monthly events.

The 2nd Annual Cars for a Cure Car Show that was scheduled for March 28th has been rescheduled. Our Tentative Future Date is June 27th, 2020. We are sorry for the inconvenience, but we are in unprecedented territory and we feel that it is best to err on the side of caution, especially with our children and older

The 2020 Dixie Vintage Member Decal is now available upon payment (\$20) of your 2020 Club Dues.

Each decal is individually numbered for the 2020 club year and is to be affixed to the outside of the lower left hand corner of the driver's side windshield .



"Dixie Vintage Cruise-in at Hoover Tactical "

This event has been cancelled for April 4th due to the Covid-19 Outbreak.

New Process for Ordering Name Tags

Dixie Vintage has streamlined the process for ordering name tags. This new process will expedite the delivery of your nametag to your home. The member needing a name tag will complete an order form and mail it with payment to Crown Trophy. The finished name tag will be mailed to you.

We encourage each of our members to own and wear a Dixie Vintage Car Club name tag. We really do want to get to know you. The cost of the name tag is \$10.00.



Newsletter Editor

Do you have a classic car story?
Are you working on a restoration project?

Please let us know.
Pat or John Krauser
Cell: 205-276-4423 or
Email: jekbest@aol.com

New Car Members

Jeff and Allison Dailey
1978 Corvette Coupe

Pictured below is a 1978 Corvette which would be similar to the Dailey's car. The 1978 Corvette was also the Pace Car for the Indy 500.



And, the winner of the Raffle was:

Frankie Fisher

Dixie Vintage Antique

Automobile Club



The Dixie Vintage Antique Automobile Club Newsletter is published monthly by Dixie Vintage Antique Automobile Club, Inc., a non-profit Alabama Corporation. The purpose of this Club is to promote interest in restoring and preserving antique, classic, and special interest old cars; and to provide a social club for members and their families of mutual interest to all. Monthly meetings and activities are conducted in a variety of locations. We encourage membership from other automobile clubs and orphan marqueses.

The only requirement to become a member of Dixie Vintage Antique Automobile Club, Inc. is an interest in the history and preservation of automobiles.

2019 Board of Directors

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205-706-7614

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edward.zanaty@gmail.com

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Gary Adams, Webmaster

The Electric Fuel Pump (part one)

By
John E. Krauser

Innovation continues to result in products that benefit the combustion engine that powers our fine rides. In many cases product development is based on electronic and electrical advancements. Electronic ignition, as an aftermarket product for our old cars and a standard in newer cars, has increased the reliability of starting and running. Sensors and computers on newer engines improve operating efficiency. Automatic braking sensors provide an added level of safety when braking under harsh conditions. And the electric fuel pump in conjunction with modern fuel injection systems helps increase fuel efficiency and reduce air pollution. The electric fuel pump is not restricted to only newer cars. We have the option to install one as either a primary or secondary option on our cars of the "American Graffiti" generation.

Electric fuel pumps appeared in great numbers after World War Two. The electric pump resides in the fuel tank on modern vehicles. There are several advantages to this location. Temperature of the fuel in the tank is close to ambient air. However, heat radiation from the pavement may increase the fuel temperature some while parked. A moving vehicle has the benefit of air movement that helps cool the fuel tank. This type of pump operates better by pushing fuel (positive pressure) toward the engine. There is constant fuel pressure and delivery rate when using an electrical pump. A fuel filter may be employed either before or after the pump mechanism.

For modern engine applications the fuel pressure is in the range of 35psi-60psi. Higher pressure is required for fuel injectors as the fuel air mixture needs to be atomized. Raising the fuel pressure also raises the boiling point of the fuel thus reducing or eliminating vapor lock. Summer fuel blends (emission requirements) have more oxygen added during the refinement process and this lowers the boiling point of fuel. If there is a leak in the fuel line it will be noticeable quickly as a result of the increased fuel pressure. Lower pressure mechanical pumps pull fuel from the tank and a leak may be less noticeable.

The electric fuel pump's power is supplied by the car's 12.6v electrical system, whereas the mechanical pump is operated by the engine's camshaft as the pump is located on the engine block. The old-style mechanical pump will use a little horsepower to operate. Some options state that more fuel is consumed with a mechanical pump. An electrical pump delivers a constant flow of gasoline. What is not used is returned to the tank away from engine heat. Engine starting is improved since fuel is available quickly to the engine's fuel delivery system which is usually fuel injection.

An electronic control unit is required for fuel injection. Sensors that serve as monitors provide the electronic control unit (ECU) with information about the vehicle's operation. One sensor would activate a shut off command to the electric fuel pump if a major impact of the frame or car body is suspected. An inertia switch would shut off the fuel if the vehicle rolled over. Low engine oil pressure could also trigger a command to shut off the fuel pump. Some pump assemblies include the strainer and or a filter along with a sensor that measures the amount of fuel in the tank. This information is fed to the ECU that can calculate current miles per gallon and distance before empty.

I must have been dreaming about driving a Studebaker while filling up my 2001 Jeep a couple of years ago. Once the nozzle clicked off, I pulled it again. I repeated this one more time. When I got into the Jeep and started it the fuel gauge was on empty and the distance to empty display was zero. I was concerned the ECU would sense no fuel and shut off. After about 35 miles of driving using about 2 gallons of gasoline the system started operating okay. The above situation shows the system is fool proof, but it can be manipulated by stupidity. And fuel pumps do fail.

I have a Black 1986 Buick Electra Park Avenue. It is in the rotation for going to car shows. When it was still a daily driver with around 60,000 miles on it a problem developed. Once in a great while the engine would stall when stopping for a sign or traffic light. Sometimes the engine would restart quickly and other times it took about 30 seconds to start. No one behind me in the 30 second-time frame was amused.

The car was still being serviced by a dealer in the area. After explaining the situation their response was, "Never heard of it". The next statement was "Cannot duplicate the situation." I purchased the factory manuals in an effort to get a better understanding of the engine's operation. With limited time at home due to work requirements I did not get very far in troubleshooting.

I was talking with a fellow employee on an event about this situation. He stated his brother was a trained GM Mechanic and worked on cars built in the mid 1980's. On my behalf he would talk with his brother about my car's situation. A couple days later I had an answer. The GM guy said I should change the fuel pump. He had seen this on a few 1985-1988 Buick 3.8 Liter engines. He stated the fuel pressure would drop to nothing sometimes when the engine slowed down. I took his advice, changed the pump, and this solved the problem.

I have another pending issue with my 2001 Jeep. It may be the fuel pump, as well. I should have that resolved by the next newsletter writing. Next month's article (part two) will continue with discussions and installation suggestions on electric fuel pumps that can be added to our vintage rides.

A decision has not been made yet whether this event
will take place, be postponed or cancelled..

DIXIE VINTAGE ANTIQUÉ & CLASSIC CAR SHOW

APRIL 25, 2020

IN PARTNERSHIP WITH
CELEBRATE HOOVER DAY

VETERANS PARK

HOOVER, ALABAMA



REGISTRATION 9 - 11 AM
\$20 ENTRY FEE
WINNERS & AWARDS
PRESENTATION STARTS AT 2:30
CASH, PRIZES, & TROPHIES

WINNER MUST BE PRESENT WITH REGISTERED SHOW CAR

VETERANS PARK

4800 VALLEYDALE RD, HOOVER AL 35242

FOR INFO: DVAAC.COM - FIND US ON FACEBOOK - OR CALL:

JOE ALFANO (205-222-4577), ED ZANATY (205-942-1312),
GARY ADAMS (205-706-7614)

Rain date is April 26th.

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Sunny and cool weather greeted us on the 1st Saturday in March at the Dixie Vintage Cruise-In@ Hoover Tac.



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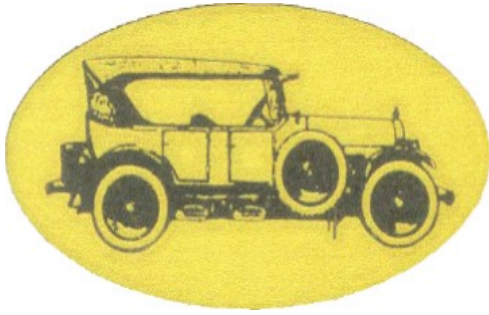
VESTAVIA
1477 MONTGOMERY HWY
205-979-6272

Dixie Vintage Member Larry Riggs has listed a car for sale. It is pictured to the right with a description below.

929 A-Model Coupe, Frame up paint job, Looks & Runs Good, \$15,900 OBO.

Larry Riggs
(205) 937-1005.





**Dixie Vintage Antique
Automobile Club, Inc.**
4572 Eagle Point Drive
Birmingham, AL
35242-6942
www.dvaac.com



More pictures from the Dixie Vintage Cruise-In at Hoover Tactical on March 7, 2020. In addition to the many cars present there were items for sale that would look good in any old car garage.



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