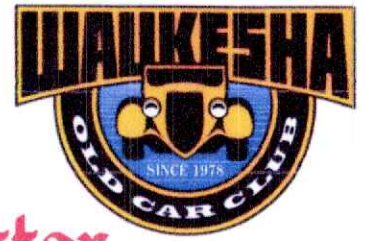


Waukesha Old Car Club



Spark 'n' Sputter Newsletter

January & February 2026



[waukeshaoldcarclub.org](http://waukeshaoldcarclub.org)



A MEMBER'S FEATURE CAR

## **UPCOMING WOCC EVENTS:**

**2026 Club Dues - WHAT A DEAL! 2026 dues are only \$20 for all members.** Pay at a meeting or mail your check to: WOCC, PO Box 645, Waukesha, WI 53187

**04/18 - Appreciation Dinner,** Reserve the date. Dinner cost per member is \$17. More info in February.

**09/20 Wings & Wheels Show at Waukesha Airport.** As you voted, we are participating in this show. More info in February or sooner as available.

**2026 - Newsletter, Club Sponsors -** Get a business to sponsor your club in 2026. More info will follow from Steve..

**Newsletter Feature Car -** Volunteer one of your rides in the Spark & Sputter. E-mail Bob Merner at [romer512@gmail.com](mailto:romer512@gmail.com) or Jim Schultz at [james.schultz@wicosh.org](mailto:james.schultz@wicosh.org).

## **SOCIAL MEDIA:**

**Facebook - "Waukesha Old Car Club" -** maintained by Sarah Ksicinski

**Instagram - "@waukesha\_old\_car\_club" -** maintained by Jeni Heinemann

Show support for your club by following each page and liking the posts. These sites allow us to generate interest to non-club members, but they are also an excellent way for you to gain more information about your club.

**Website -** [www.waukeshaoldcarclub.org](http://www.waukeshaoldcarclub.org)

## **GOT AN IDEA? WE'D LOVE TO HEAR!**

**My Garage -** Contact Steve Heinemann 262-408-0310 to set up and lead an event.

**General suggestions -** Email Steve ([stevehwocc@yahoo.com](mailto:stevehwocc@yahoo.com)) to suggest improvements, speakers, things for the clubs to do, etc.

## **UPCOMING EVENTS:**

Going to an event? Let other members know; we love to meet up and do these together!

*Been to an event and have pictures of WOCC cars? Send to Steve ([stevehwocc@yahoo.com](mailto:stevehwocc@yahoo.com)) to have your photos featured on social media, a newsletter or an upcoming email.*

@ For things going on in Wisconsin cities and towns see the web site, <http://www.whofish.org>.

@ Feb 22, Model A Club Swap meet, Washing County Fair Gnds, 7:30 - 1PM

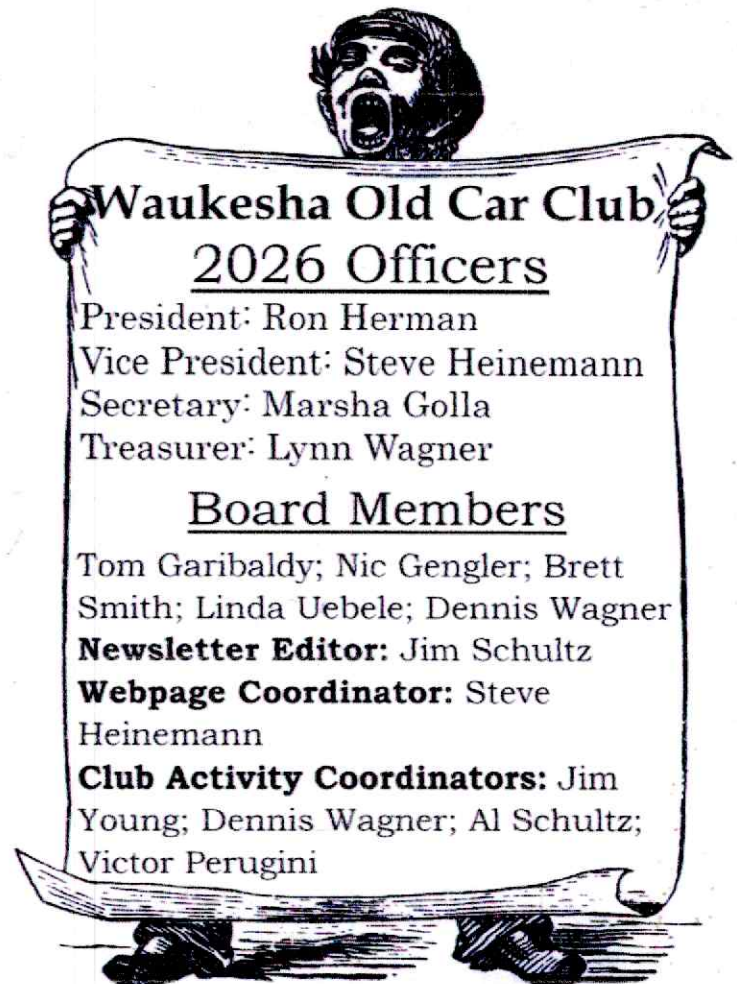
@Feb 20-22 World of Wheels. State Fair Park

@ May 14-17 Milwaukee Auto Show, State Fair Park

@ May ? Start of Foxx View Lanes weekly car show

@Aug 9, WOCC Car Show, Frame Park Car Show

@ Sept 20, Wings & Wheels Show, Waukesha County Airport



## Car of the Month: Bob & Nancy Kelley's 1960 Chrysler 300 F

Nine years ago, we started the search for a 1961 Chrysler 300G which we originally owned in the 70's and with today's privacy safeguards, laws, and regulations the search in itself is another story. 1960 & 1961 letter 300's are nearly identical and when locating our original it was not looking favorable so we expanded our search to include the 1960F.

Both 1960/1961 coupes weight 4270 lbs. and have a wedge 413 cubic inch displacement rated at 375 HP.



In 1960 Chrysler built 964 hardtops, and 248 convertibles of which today 370 are know to exist. In 1960 & 1961 Chrysler 300's dominated the NASCAR flying mile at Daytona Beach with a tweaked motor and drivetrain in the Unlimited Class ( bring your factory big block car and let's see who is fastest ). A 300F set the record at 144.9 MPH and the following next 5 fastest times were by five other 300F's. In 1961

a 300G also set the fastest time at 143.0 MPH with Chevrolet second at 133.1 MPH. Side story about the engine spark plugs. Champion knew these cars were fast and wanted their plugs on the 300's.

Chrysler agreed to just four plugs with the other four stock Auto-lite. Both manufacturers had bragging rights.

The obvious standout on the 60/61 letter engines is the cross-ram induction intake system.

Bob Rogers Engineering Department was studying packing more air fuel mixture into the cylinders for several years and came up with the long cross ram intake manifolds, each with a full time four-barrel carburetor. A seldom seen out of car engine photo provides both intake and exhaust unique features on the ram induction engine.

Andy Granatelli seeing the cross-ram induction potential purchased one of the Daytona 300F's and installed twin Paxton Products SN-60 superchargers and set a 1960 Salt Flat



record at 189.99 MPH. Recently Andy's car has been reproduced with the twin supercharges by a Wisconsin 300 Club member. Multiple photo shoots have been recently taken and expect to start seeing this modified 300F in various print and social media.

In March of 2019 a trip was planned to see two 1960F's in Connecticut and one 1960F in Massachusetts which were for sale. We settled on the Massachusetts car which has been a very dependable driver quality car. Our 300F photo was taken outside the Chrysler Proving Grounds in Chelsea, Michigan.

If you would like to know more about these 300 letter cars or see our 300F give me a call.

Bob & Nancy Kelley

P. S. We did locate our 1961G in Scranton, PA.

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DAILY SPECIALS

friday  
fish fry  
5-9 pm



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## **Sensors and Their Types of Failures**

All too often it seems as though our vehicles have a mind of their own. Or that of a teenager. We've all had those days where "it ran great last night so why the \*%#@ won't it start now?!?" Thankfully it's not (much) of an issue for our classic cars and trucks. Our old cars. Our reliable cars.

Looking at a calendar, however, is showing us that even computerized cars have now been a thing long enough to be considered "classic" or even "vintage" by some. But not antiques. Not yet.

If it runs, eats, drinks or has "accessories" there's a better than average chance you can – some would say *should* – expect trouble. Understanding the various sensors in a vehicle is crucial for diagnostics and maintenance. And, hopefully, keeping some remnants of hair attached firmly to the skull. These components act as the "eyes and ears" of the engine control unit (ECU), monitoring everything from temperature to speed.

### **Here's a quick rundown of some common sensors and their functions:** (see image)

Sensor CKP (Crankshaft Position): Detects engine rotational speed and position.

Knock Sensor: Detects abnormal vibrations or "knock" in the engine to prevent damage.

Sensor MAF (Mass Air Flow): Measures the amount of air entering the engine.

Sensor CMP (Camshaft Position): Detects the position of the camshaft to synchronize ignition and fuel injection timing.

ECT Sensor (Engine Coolant Temperature): Monitors engine coolant temperature for optimal performance.

Sensor FRS (Fuel Rail Sensor): Measures fuel pressure in the common rail system.

NOx Sensor (Nitrogen Oxide): Measures levels of nitrogen oxides in the exhaust.

Sensor MAP (Manifold Absolute Pressure): Measures pressure in the intake manifold to determine engine load.

Sensor Proximity: Detects objects around the vehicle (often used in parking systems).

Velocity Sensor (Vehicle Speed Sensor): Measures vehicle speed.

Sensor O2 (Oxygen): Measures oxygen levels in the exhaust to adjust the fuel-air mixture.

Sensor TPS (Throttle Position Sensor): Detects the position of the throttle pedal or blade.

ABS Sensor (Anti-lock Braking System): Monitors wheel speed to prevent wheel lock-up during braking.

Sensor IBS (Intelligent Battery Sensor): Monitors battery health and charge status.

Sensor TPMS (Tire Pressure Monitoring System): Monitors tire pressure for safety.

Keep your vehicle running smoothly by knowing what these sensors do!

# Sensors and Their Types of Failures



Batu Sarung



Sensor CKP



Knock Sensor



Sensor MAF



Sensor CMP



ECT ECT Coolant



Sensor FRS



NOx Sensor



Sensor MAP



Sensor Proximity



Velocity Sensor



Sensor O2



Sensor TPS



ABS Sensor



Sensor IBS



Sensor TPMS



## DECODING YOUR CAR'S SECRET LANGUAGE! 🚗

Your car is constantly "talking," but it doesn't use words—it uses electrical signals. 🔄 To make the magic of perfect combustion happen, a chain of sensors works together in a brilliant logical flow. If you understand this cycle, you understand how your car "thinks."

Here is the step-by-step breakdown:

- 1 The Intake (MAF & MAP): It all starts here. These sensors measure the air mass and pressure. Without this data, the computer (ECU) is "blind" and won't know how much fuel to spray. ➡️
- 2 The Driver's Intent (Accelerator): This sensor tells the car exactly what you want—are we cruising or overtaking? It determines the demand for power. 🏠
- 3 The Engine Response (RPM): This monitors how fast the engine is spinning to perfectly time the spark that ignites the fuel. ⚙️
- 4 The Final Check (Temp & Oxygen): These sensors close the loop. They ensure the engine isn't overheating and that the emissions are clean. 🌡️🌍

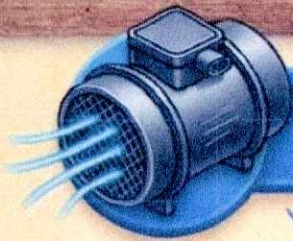
This incredible feedback loop happens thousands of times per second! ⚡ When just one of these sensors fails, the whole rhythm breaks and performance drops. Modern engineering at its finest! ✨🌟

#CarTech #EngineSensors #HowItWorks #AutoMechanics #Engineering #CarLovers  
#CarsTools #VehicleMaintenance #SmartDriving #EngineEfficiency



# KEY ENGINE SENSORS

Cars \* Tools



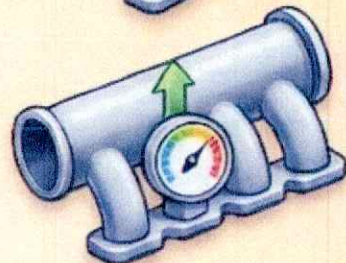
**MAF - Measures Incoming Air**

→ For Optimal Mixture



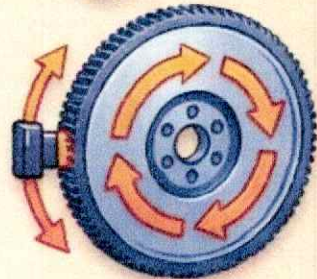
**MAP - Measures Manifold Pressure**

→ Monitors Engine Load



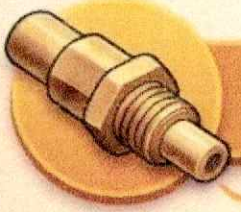
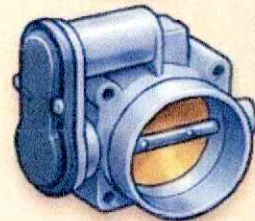
**RPM - Detects Engine Speed**

→ Spark Control



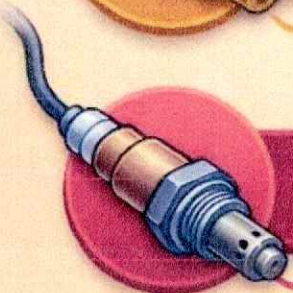
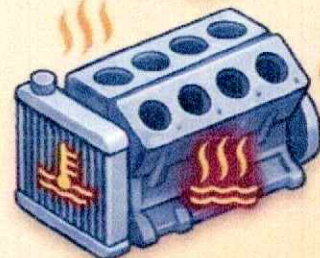
**Accelerator - Detects Pedal Opening**

→ Determines Power Demand



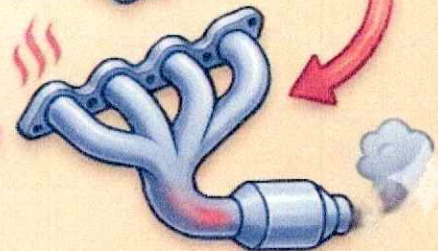
**Temperature - Measures Coolant Heat**

→ Adjusts Mixture and Injection



**Oxygen - Measures Air-Fuel Mixture**

→ Emissions Correction



# Appreciation Dinner and Awards

Saturday, **April 18<sup>th</sup>**, 2026, at the Delafield Brewhaus,  
3832 Hillside Dr., Delafield, WI.

Enter the lower-level banquet room on the far west side of the restaurant.

Members' costs are \$17.00 per person. Please make your reservation by  
**April 9<sup>th</sup>**.

You can pay at our monthly membership meeting or mail a check to:

WOCC, PO Box 645, Waukesha, WI 53187, By **April 2<sup>nd</sup>**

Cocktails at 5:00pm

Buffet Dinner at 6:00pm

Free tickets available for soda and beer (see Ron W), cash bar for cocktails and wine.

Buffet Dinner includes your choice of Old Fashion Baked Ham, Herb Roasted Chicken, Beef Tenderloin Tips, Sour Cream Chives Mashed Potatoes, California Vegetable Blend, Tossed Green Salad with Dressing, Dinner Rolls and Butter, Coffee, Tea, or Milk, and a desert.

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**CELEBRATE THOSE RECEIVING AWARDS**

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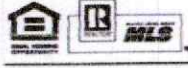
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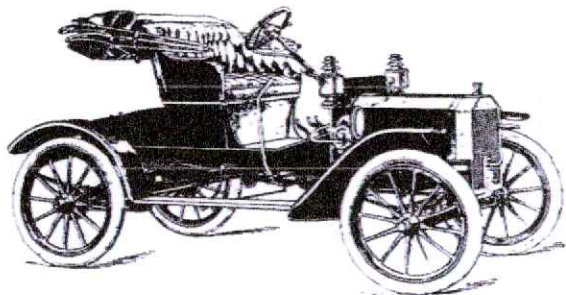


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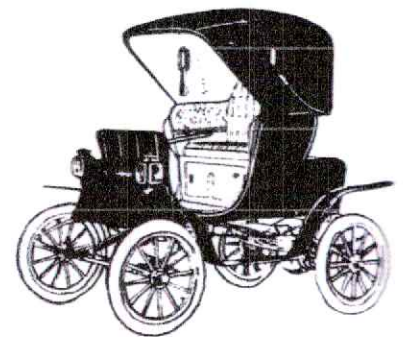


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