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# Hot Weather the True Culprit Behind Car-Battery Trouble

Summer is the season for major car-battery problems. Heat, not cold, shortens battery life, says the Car Care Council.

Excessive heat and overcharging are the two main reasons for shortened battery life. Heat causes battery fluid to evaporate, thus damaging the internal structure of the battery. A malfunctioning component in the charging system, usually the voltage regulator, allows too high a charging rate. That's slow death for a battery.

True, there are more road service calls in cold weather for dead batteries that cause starting failure. That's when a battery's output is diminished because of sluggish electro-chemical action that gives the battery its power. Also, colder temperatures increase thickness of the engine oil, making the engine harder to turn over. These factors lead to harder starting.



An average of one out of four vehicles gets a new battery every year. Sooner or later all batteries have to be replaced, but having to do so prematurely can involve more than the cost of a road service call and a new battery, it can be inconvenient as well.

To get the most life out of a battery, we suggest the following:

- Be sure the electrical system is charging at the correct rate; overcharging can damage a battery as quickly as undercharging.
- If your battery is the type that needs to be topped off, check it regularly, especially in hot weather. Add distilled water when necessary.
- Always replace a battery with one that's rated at least as high as the one originally specified.
- Keep the top of the battery clean. Dirt becomes a conductor, which drains battery power. Further, as corrosion accumulates on battery terminals it becomes an insulator, inhibiting current flow.

One of the many extra services we provide is load-testing your vehicle's battery. This, along with 21 other simple inspections, is part of every oil change we perform at Jim's Oil Depot. Fast 'n' Fun service while you wait, no appointment necessary. The Depot is open Monday through Saturday, with extended hours Monday & Thursday until 7:30 pm.

## The Real Value of an Email Address

Thanks for your continued trust in our services, and your appreciation of our Rewards Program. The information we give you regarding preventative maintenance, and the Rewards coupons you receive quarterly, help you to preserve your vehicle's value and minimize costly repairs. Remember to show your card each time you visit Davis Auto Care, Jim's Oil Depot and the Ultimate Image Auto Spa. Then watch for your Rewards Coupons in future issues of "Drive Lines."

Now, if you can help us save money on postage and printing, we'd like to Reward you again.

Our newsletter and your Rewards Coupons can be sent to you online. If we have your current valid e-mail, we can send these to you via the Internet, and you will be included in a drawing to **win a \$50.00 Gift Certificate**. Through the end of the year, two e-mail addresses will win this additional gift each quarter.

Add or correct your e-mail address at [newsletter@davisautocare.com](mailto:newsletter@davisautocare.com), noting your account or Rewards number in the subject line. Thanks for participating, and good luck!

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# WHAT ELSE CAN WE DO FOR YOU?

At Davis Auto Care, we are constantly looking for additional ways to be helpful to our customers. It was customer requests that caused us to open our quick oil change, and later our detailing center. Your suggestions have helped us become a #1 rated repair facility.



Some of the other ways we work to offer value-added excellence to every aspect of our service are:

- As an independent shop, we're able to service **all** makes and models of vehicles. Also because we're not tied to any one brand or franchise, we can seek out the very best products at the best prices to help you save money on necessary repairs.
- Familiar faces you've come to depend on. Owners Jim and Denise Davis are here day-to-day, ensuring high quality service. You've also come to know April, our Operations Manager and our Service Advisor, Dave. Both Northville born and raised, they've helped with your car care needs for 24 years and 20 years, respectively.
- Our Rewards program acknowledges every dollar

you spend at Davis Auto Care, Jim's Oil Depot and the Auto Spa. It's one way of thanking you for your loyalty, and we're happy to extend the discounts and rebates you deserve by being a valued part of our service family.

- Need a ride home or to work? Many of you appreciate our local shuttle service. If you'd rather wait, please take advantage of our comfortable waiting room, WIFI internet access, free coffee and bottled water. (We've even got treats for you and your four-footed friends.)
- Detailed communications - we gladly take the time to give you as much information as you need to feel comfortable authorizing repairs we have recommended. Your final receipt itemizes all services and parts, and if you ever need a printed history of services done on your vehicle, our computer records go back to 1988.
- Extended hours, convenient night drop, follow-up satisfaction questionnaires, even this newsletter are additional ways we work to make automotive maintenance as pleasant as possible.

We hope you find our efforts helpful. If there is something else we've missed, please let us know: What else can we do for you? We're fortunate to have the liberty to tailor our service for each and every customer. We won't make promises we can't keep, and we'll do our best to ensure you receive the personal attention you deserve. Thanks again for voting us the #1 auto repair facility in Northville, and for proving what we've believed for over 30 years.....

***Integrity Is the Difference!***

## STAFF OPENINGS - JOIN OUR OUTSTANDING TEAM!



We're happy to be in a position to hire additional technical staff at Jim's Oil Depot and Davis Auto Care. We are currently looking for two oil change/tire techs as well as one fully certified technician.

As a regular customer, you know our standards. We're looking for automotive skills, but just as important, we're seeking honest, customer focused people who take pride in doing a thorough job and solving problems.

If you know someone who may fit one of the jobs outlined above, please ask them to contact us. We look forward to hearing from your candidates. Resumes accepted in person at Davis Auto Care, or at [service@davisautocare.com](mailto:service@davisautocare.com).

Thanks for helping us continue to provide you with the friendly, dependable service you count on us for.

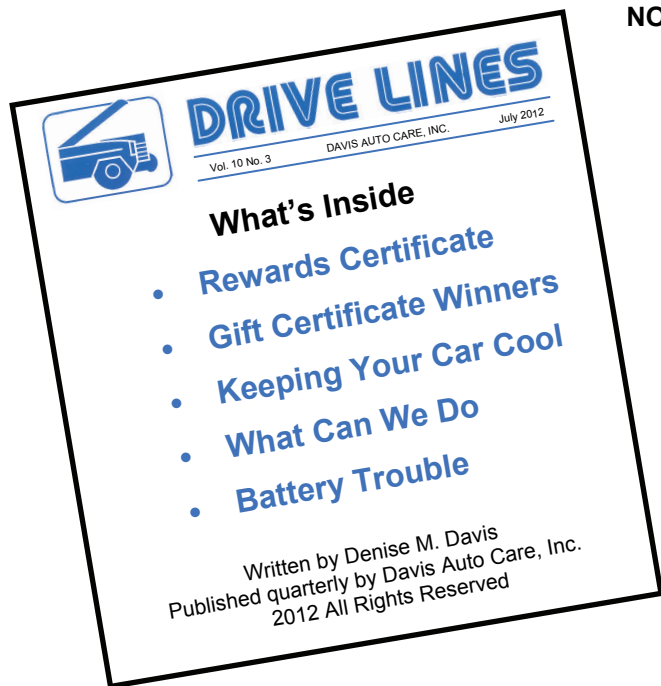
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### BECAUSE WE CARE

This newsletter is published for our friends and customers, to provide them with informative, helpful news relative to their second largest investment, their vehicles. We believe that communication is vital to all effective relationships, and as always, we welcome your comments and suggestions.

## YOUR **COMPLETE** AUTO SERVICE CENTER

- Shocks & Struts
- Exhaust Systems
- Brakes, including ABS
- Tune-ups
- Fuel Injection Service
- Starters and Alternators
- Charging Systems
- Air Bags
- Electronic Systems
- Computer Control Systems
- Tie Rods
- C.V. Joints
- Front End Alignment
- Used Car Check-outs
- Four Wheel Alignment
- Transmission Fluid Exchange
- Electronic Ignition
- Windshield Chip Repair
- Transmission Service & Repair
- Computerized Engine Analysis
- Battery
- Belts & Hoses
- New Tires and Nitrogen inflation
- Wiper Blades
- Cruise Control
- Engine Repair, Major and Minor
- Intake Manifold and Gaskets
- Valve Cover Gaskets
- Electronic Climate Control
- Heater & Air Conditioning
- Timing Belt Replacement
- Thermostat
- Water Pump
- Antifreeze
- Cooling System Flush
- Radiator Repair
- Electrical Repair
- Tire Repair and Balancing
- ....and many more!!!!