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Tom Dwyer Automotive Presents  
**Your Car Matters**  
530 SE Tenino Portland, OR 97202      Impeccable Automotive Service & Repair Since 1981  
Spring 2007  
503 230 2300 [www.tomdwyer.com](http://www.tomdwyer.com)

**Tom Dwyer**  
**ASE**  
Automotive Services Inc

## Quiz QUESTION

A man in a restaurant asked a waiter for a juice glass, a dinner plate, water, a match, and a lemon wedge. The man poured enough water onto the plate to cover it. "If you can get the water on the plate into this glass without touching or moving this plate, I will give you \$100," the man said. "You can use the match and lemon to do this." A few minutes later, the waiter walked away with \$100 in his pocket. How did the waiter get the water into the glass?

**Know the answer?** Send an email to [tomdwyer@tomdwyer.com](mailto:tomdwyer@tomdwyer.com) with the correct response and we'll put you in a drawing to win \$100 labor credit. The winner will be drawn on May 31, 2007 and will be notified by email on the following day.

## Last Issue's Answers Word Play

The answers from last issue's Word Play are:

1. TURVES
2. DOMINO
3. ARABIC
4. FOUGHT
5. OPAQUE
6. LAYMAN

**Congratulations** to John Goff, from SE Portland, who won the Word Play competition. John received a \$100 labor credit.

## Next Generation Prius

Gets a lithium ion battery and 113 mpg

AutoExpress magazine in the UK has a report in this week's issue about the next generation Toyota Prius. They are reporting that the new Prius will be switching from nickel metal hydride batteries to lithium ion batteries that have greater capacity in an even smaller size.

With the smaller package, interior room of the new car should be improved, especially in the back seat. The improved power output of the lithium batteries will allow the car to run on electrons only more often in urban traffic.

According to the magazine, Toyota engineers are targeting a mileage rating of 113 mpg, with improved 0-60 mph acceleration of less than 10 seconds. The internal combustion part of the drive

train is reported to be a new turbocharged 1.8L lean burn four cylinder. The car may even get factory plug-in capability when it goes on sale in 2009 and now that GM has announced their intention to offer a plug-in hybrid Saturn Vue, this one may be a certainty.



Although the technicians have the weekend off, the office is open on Saturdays from 10 AM to 1 PM. We are here to make appointments for service, receive vehicles for work the following week, release vehicles that are completed, and answer any questions that you might have!

## Remember

**Office Hours**      7 AM to 6 PM Mon - Fri      8 AM to 6 PM Mon - Fri  
10 AM to 1 PM Sat



# E85 Has Arrived in Portland!

There is a major corporate campaign to crush ethanol use in this country and the misinformation out there is rampant. If you read any negative information it is probably authored by Dr. David Pimentel an entomologist from Cornell University. David has a cozy relationship with big oil and has been the strongest opponent of ethanol use. For the last 25 years he has been spreading the "ethanol takes more energy to make than it yields" and the "we will starve if all the corn goes to ethanol use" lies. His studies are flawed and incomplete to say the least.

It amazes me how much ethanol disinformation is out there being carried by the mainstream media. It reminds me of the global warming deniers. If three hundred scientists say Global Warming is real and one says it is not...

There is one location today and at least five more on the way soon! Our shuttle van was the very first E85 customer at Olson Brothers on McLoughlin Boulevard.

We continue to use E85 as a rule, but in a pinch we have used a couple of gallons of gasoline to get us to the next E85 fill up. Our mileage may be down 15% but our spirit is 100% happier. If you have any questions about Ethanol production and use let me know; I have some great educational materials.

Olson Bros.  
14115 S.E. McLoughlin Blvd.  
Milwaukie, OR 97267  
(503) 659-5141  
[www.olsonbroserv.com](http://www.olsonbroserv.com)

## What is Ethanol?

Ethanol is an alcohol-based alternative fuel produced by fermenting and distilling starch crops that have been converted into simple sugars. Feedstocks for this fuel include corn, barley, and wheat. Ethanol can also be produced from "cellulosic biomass" such as trees and grasses and is called bioethanol. Ethanol is most commonly used to increase octane and improve the emissions quality of gasoline.

Ethanol can be blended with gasoline to create E85, a blend of 85% ethanol and 15% gasoline. E85 and blends with even higher concentrations of ethanol, E95, for example, qualify as alternative fuels under the Energy Policy Act of 1992 (EPAct). Vehicles that run on E85 are called flexible fuel vehicles (FFVs) and are offered by several vehicle manufacturers.

## Are You Driving a FFV?

Flexible Fuel Vehicles (FFVs) are specially designed to run on any ethanol fuel blend up to 85 percent. Special on-board diagnostics "read" the fuel blend, enabling drivers to fuel with E85 or gasoline if E85 is not available, without worrying about what is in the tank. E85 has superior performance characteristics because of its high octane rating (100+ plus compared to gasoline's 87). Today, Ford Motor Company, General Motors, and DaimlerChrysler Corporation all offer E85 engines as standard equipment in their vehicles; therefore, little to no additional cost is incurred. The vehicles are proven reliable and come with factory warranties.

### What are the differences in an FFV compared to a regular gasoline-only model?

The primary difference is the fuel sensor that detects the ethanol/gasoline ratio. A number of other parts on the FFV's fuel delivery system are modified to be ethanol-compatible. The fuel tank, fuel lines, fuel injectors, computer system and anti-siphon device have been modified slightly.

### What happens when E85 is not available?

The flexible fuel vehicle (FFV) system allows the driver to use any combination of gasoline or ethanol -- from 100% unleaded gasoline to 85% ethanol (15% unleaded gasoline). A driver can therefore use unleaded gasoline if E85 is not available.

### What is the range of a flexible-fuel ethanol vehicle?

Ethanol has a lower energy density than conventional gasoline. However, E85 also has a much higher octane rating (100+) than gasoline. FFVs are "flexible" and not dedicated to E85 and some drivers may experience a 5% to 15% drop in fuel economy with E85. However, you'll find the economic, environmental and energy security benefits of E85 outweigh any variation.

The fuel economy of any vehicle will vary with temperature, road conditions, driving habits and other factors. For comparison purposes, aggressive driving habits can result in a 15% loss of fuel economy and low tire pressure can reduce mileage up to 6%.



# Know Your Cell Phone

There's no doubt that cell phones are becoming more and more important to our day to day living. We rely on them for the simplest of functions like making phone calls to more complex processes such as checking email and surfing the Internet. With that in mind here's a little cell phone tid-bit that you might not have known about.

## (800) FREE 411

Cell phone companies are charging us \$1.00 to \$1.75 or more for 411 information calls when they don't have to. Most of us do not carry a telephone directory in our vehicle, which makes these situations even more of a problem. When you need to use the 411 information option, simply dial: (800) FREE 411, or (800) 373-3411 without incurring any charge at all. Program this into your cell phone now.

## Remember

We offer a **Courtsey Shuttle Van Service** to help you get to where you need to be going. Schedule an appointment for the Shuttle when you make the appointment for your vehicle to be serviced.



### INGREDIENTS

- 6 boneless, skinless chicken breast halves
- 4 tablespoons butter, divided
- 3 tablespoons plus 4 teaspoons all-purpose flour, divided
- ½ teaspoon salt, divided
- \* fresh ground black pepper
- ¼ cup milk
- 8 ounces crabmeat (about 1 3/4 cups)
- 1/3 cup grated parmesan cheese
- ¼ pound fresh mushrooms (about 6)
- ½ teaspoon paprika
- ½ cup white wine
- 1 tablespoon water

\*To taste

## Drew's Kitchen

### CRAB-STUFFED CHICKEN BREASTS

Makes 6 servings

Place chicken breasts between wax paper and pound flat with mallet. In saucepan over medium-low heat, melt 2 tablespoons butter; add 2 teaspoons flour, 1/4 teaspoon salt and pepper. Add milk and cook until thick, about 7 to 10 minutes. Add crab, cheese, mushrooms.

Chances are you've heard of Anthony Bourdain, Emeril Lagasse, and Julia Child, but I'll bet you've never thought of including our own Drew Pearson to that list of esteemed and highly regarded culinary masters.

Spread crab mixture over chicken breasts. Roll up and skewer.

Combine 3 tablespoons flour, paprika, remaining 1/4 teaspoon salt. Roll chicken in this mixture.

Melt remaining 2 tablespoons butter in skillet; brown chicken rolls over medium-high heat. Add wine, then cover and simmer on low heat 15 to 20 minutes. Remove chicken. Blend remaining 2 teaspoons flour and 1 tablespoon water and stir into pan juices. Cook until thick. Spoon over chicken and serve.

## Ford's US Sales Drop

Ford's U.S. sales dropped 19 percent in January, allowing Toyota to pass it again as the nation's No. 2 automaker. But Ford's numbers were so bad that it was also passed by DaimlerChrysler, knocking the troubled automaker into fourth place for the month.

Times are tough for Ford Motor Co., which attributed its decline to a long-term strategy of returning to profitability by cutting low-profit rental car sales and reducing its reliance on incentives. Analysts predict that Toyota Motor Corp. likely will knock Ford off its traditional No. 2 spot for the full year in 2007, but Ford, which lost \$12.7 billion last year, says it is focused more on returning to profitability in North America.





## Arsenic In Your Chicken?

The Institute for Agriculture and Trade Policy has released a new study revealing arsenic is present in most non-organic chicken products. Testing of 155 samples from supermarket chicken products found 55% carried detectable levels of arsenic, a highly toxic carcinogen. All 90 fast food chicken products contained arsenic. The toxin levels are due to the industry practice of adding arsenic to chicken feed with the goal of killing parasites and promoting growth. Arsenic is not allowed in organic chicken feed. See the full story at:

<http://www.organicconsumers.org/foodsafety/arsenic060405.cfm>

*Tom Dwyer Automotive  
is a Proud Supporter  
of Carbonfund.org*



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

### What is Carbonfund.org?

Carbonfund.org reduces the threat of climate change by making it easy and affordable for any individual or business to reduce their carbon footprint and support climate-friendly projects. Carbon offsets – also called renewable energy certificates and ‘green tags’ – represent the reduction of CO<sub>2</sub> in one location to offset the CO<sub>2</sub> produced in another, like in your home or car. Carbon offsets enable us to *Reduce what we can, and offset what we can't™*.

### Do you want to help too?

At your next appointment, have us perform a 125 point inspection on your vehicle and we will offset the vehicle's carbon emission for one year.

To learn more go to [www.carbonfund.org](http://www.carbonfund.org).

## *Autotek*

Our customers often ask us to recommend a body shop to fix their vehicle's dings, scrapes, and scratches, and the place that we tell them to go is AUTOTEK. Located just off SE Holgate and 24th, AUTOTEK is a family owned and operated shop skilled in all aspects of painting, rebuilding and specialty projects, plus they stand behind their work with a Lifetime Written Warranty. AUTOTEK will take your repair experience to the next level!

AUTOTEK  
4701 SE 24th Ave, Suite C  
Portland, OR 97202  
(503) 236-6704  
[www.autotek.us](http://www.autotek.us)



**Tom Dwyer**



Automotive Services Inc

Expires August 31, 2007

**30% off labor  
Fuel Injection Cleaning  
and  
Throttle Body Cleaning**

must be presented at time of appointment; offers not combinable

COUPON

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Expires August 31, 2007

**Free  
90 Point Spring Inspection**

(scheduled in advance; \$49.95 value)

2SP/07

COUPON

must be presented at time of appointment; offers not combinable

COUPON

3,000 Mile Oil Change Service  
with Tire Rotation & Balance  
**\$59.95**

must be presented at time of appointment; offers not combinable

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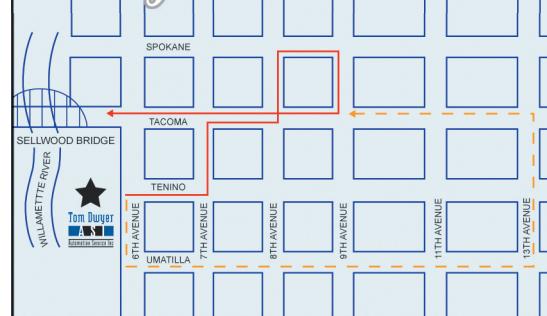
Automotive Services Inc

Expires August 31, 2007

*Thanks!*

Special thanks go out to all of our clients and friends who have graciously referred our shop to their friends and neighbors. Our business is built based on the positive comments and referrals from people like you. We just couldn't do it without you!

*Best Egress Westbound*



COUPON

**Free  
Air Conditioning Diagnostic  
with repair**  
(up to 1/2 hour of service or \$69.95)

must be presented at time of appointment; offers not combinable

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Expires August 31, 2007