



## Predicting the Future

According to Panorama Magazine, the official publication of the Porsche Club of America, the growing consensus among industry leaders is that by 2030 automated electric vehicles will dominate the landscape. In the future, huge amounts of computing power will be needed for the automated car, so the service and sales industry will be quite different. There will still be dealerships, but I would guess that there will be much consolidation. Most of the expense of maintaining your car will come in the form of software fixes. Just as you are now getting all of those annoying update notices from Microsoft, Apple and Adobe, somehow you are going to get them for your car. When your car stops, I guess the first thing you do is reboot it.

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Manufacturers are betting heavily on automation. Volvo just announced a 3-year deal to supply 24,000 robo-taxis to Uber, Lyft formed partnerships with Ford, GM and Waymo to develop self-driving vehicles; Lyft, Uber, and China's Didi Chuxing have made it clear that self-driving cars eliminate their single biggest operating expense, which is the driver. Panasonic, LG Electronics (your appliance supplier), Robert Bosch, Continental, and ZF have made huge investments in the technology since they know it is coming. PepsiCo has ordered 100 of Tesla's new electric semi-trucks, which can be fully automated. Also, Ford is targeting the package delivery market, which is a threat to Amazon, UPS, and FedEx. Wonder how the package will be delivered, catapult? [PJ](#)

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## Where's the Spare?

It's a fact. The spare tire is going the way of the Dodo bird. In an effort to save weight, and I suspect make more money by omitting something, the manufacturers are hitting the delete key on the spare tire. Nearly a third of the cars offered in the United States in 2017 did not come with a spare tire. My own experience with this has not been good to say the least. While going for pizza one night, my wife and I experienced a flat in our 2016 Jetta Hybrid, which had no spare tire. It was thoughtful of VW to include a pump, but that is of little value if the damage to the tire is such that it won't hold any air. What should have been a simple tire change turned into a trip to the shop on a flatbed tow truck and a phone call to my son-in-law's Dad, who graciously picked us up and drove us home. So, this car now has a spare, which is one of the summer tires as I ordered 4 snow tires and wheels right away. Makes sense. Why spend the money for a spare wheel and tire when the best scenario is to run snows in the winter anyway. When the summer tires go on, a snow will go into the trunk as a spare. Fortunately, there is a full-size wheel well in the trunk. I would like to think the bean counters were thinking of that when they omitted the tire, but I may be giving them too much credit. Bottom line—either buy run flats or do what I did if you have room in the trunk. Believe me, if you never needed a spare before, you will at some point in a car that comes without one. Murphy's Law. [PJ](#)

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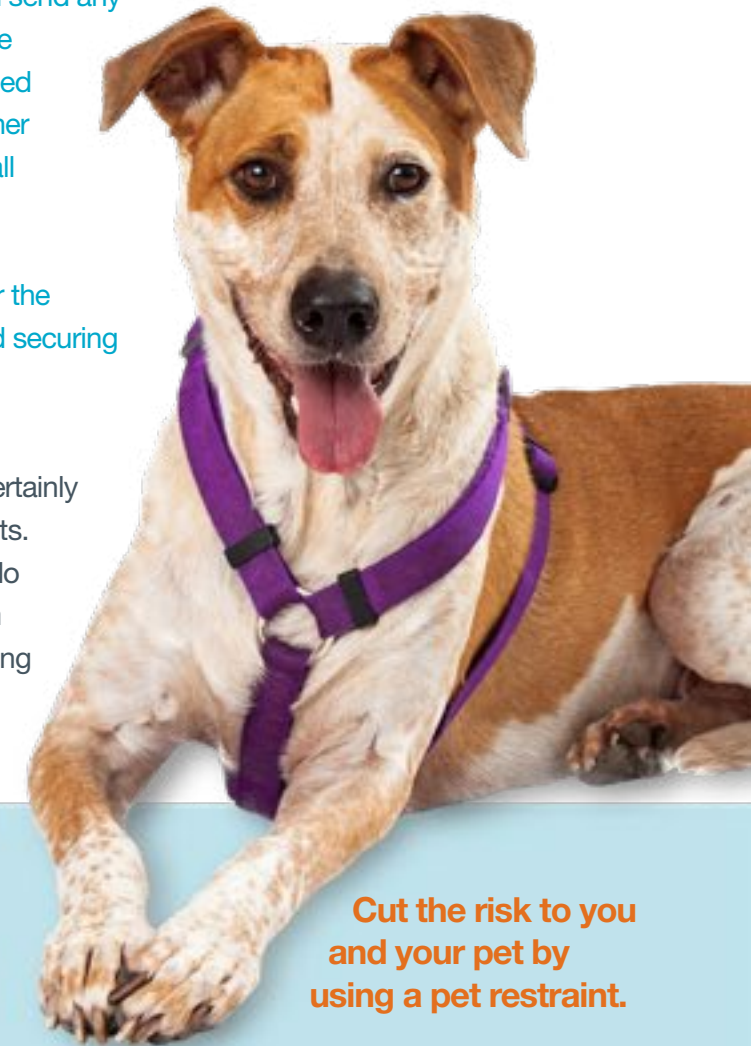
## Is Your Dog Buckled Up?



How many times have you been on the road and saw a dog with his head out the window? No one knows why they do this, but one theory is that the dog's olfactory system goes into overdrive and he cannot resist missing the experience. However, there is a danger to the dog and to the human driver and passengers. According to: <http://puppytrafficschool.com/blog/what-happens-to-a-dog-in-a-car-accident>

The force of a collision will send any loose objects in the vehicle flying, including unrestrained pups. This is dangerous not only for the dog, but also for any other people in the vehicle who might be struck by a canine cannonball careening through the vehicle. If unrestrained, a 10-pound dog will exert about 500 pounds of force in a collision at 30 mph. An 80-pound dog will exert around 2,400 pounds of force under the same conditions. It is for this reason that properly restraining and securing your dog is crucial.

Just think about that, a 10-pound dog exerting 500 pounds of force at only 30 mph! That's a lot of force, which will almost certainly severely injure or kill the dog not to mention the human occupants. There are lots of pet restraint systems out there and you would do well to find one that works for you. You can get many ideas from the web site listed above. Cut the risk to you and your pet by using a pet restraint. [PJ](#)



**Cut the risk to you and your pet by using a pet restraint.**

*Courtesy of <https://www.50states.com/facts/pennsylvania.htm>*

## PA TRIVIA

1. Pennsylvania is the first state of the fifty United States to list their web site URL on a license plate.
2. In 1909 the first baseball stadium was built in Pittsburgh.
3. In 1913 the first automobile service station opened in Pittsburgh.
4. Philadelphia is the site of the first presidential mansion.
5. The Rockville Bridge in Harrisburg is the longest stone arch bridge in the world.
6. KDKA radio in Pittsburgh produced the first commercial radio broadcast.
7. Pennsylvania is the only original colony not bordered by the Atlantic Ocean.
8. Indiana County is the Christmas Tree capital of the world.
9. Little League Baseball's first World Series was held in 1946 in Williamsport.
10. Located in the Grape Coast region of Pennsylvania the city of North East has four thriving wineries and is home to the largest Welch's grape processing plant in the country.

1 lb. ground chicken  
 ½ medium onion, minced  
 dash of salt & pepper  
 2 lg. cloves garlic, minced  
 1 in. nob fresh ginger, peeled & minced (or ½ tsp. ground ginger)  
 1 Tbsp. sesame oil  
 2-½ Tbsp. soy sauce  
 ½ Tbsp. water  
 1 Tbsp. natural peanut butter  
 ½ Tbsp. honey  
 1 Tbsp. + 1 tsp. rice vinegar

2 tsp. chili garlic sauce (or more if you like it hotter)  
 dash of fresh pepper  
 green onions, chopped  
 8 oz. can sliced water chestnuts, drained & chopped  
 ¼ cup peanuts, chopped  
 10-12 lg. outer lettuce leaves, rinsed and patted dry

**How to make it:**

1. Heat a large non-stick skillet on high. Add chicken, onion, salt & pepper, and cook until chicken is nearly done, stirring often to break up the meat. Add in minced garlic and ginger, and continue cooking until chicken is no longer pink.
2. Meanwhile, in a microwave safe bowl, combine sesame oil, soy sauce, water, peanut butter, honey, rice vinegar, chili garlic sauce

and pepper. Microwave for 20 seconds, then stir until smooth. Add into the skillet and stir to combine.

3. Add green onion and water chestnuts into the skillet, then cook for 1-2 minutes until the onions are soft and the water chestnuts are heated through.
4. Sprinkle with chopped peanuts, and serve with cold lettuce leaves.



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