

Looking Into Electric Cars

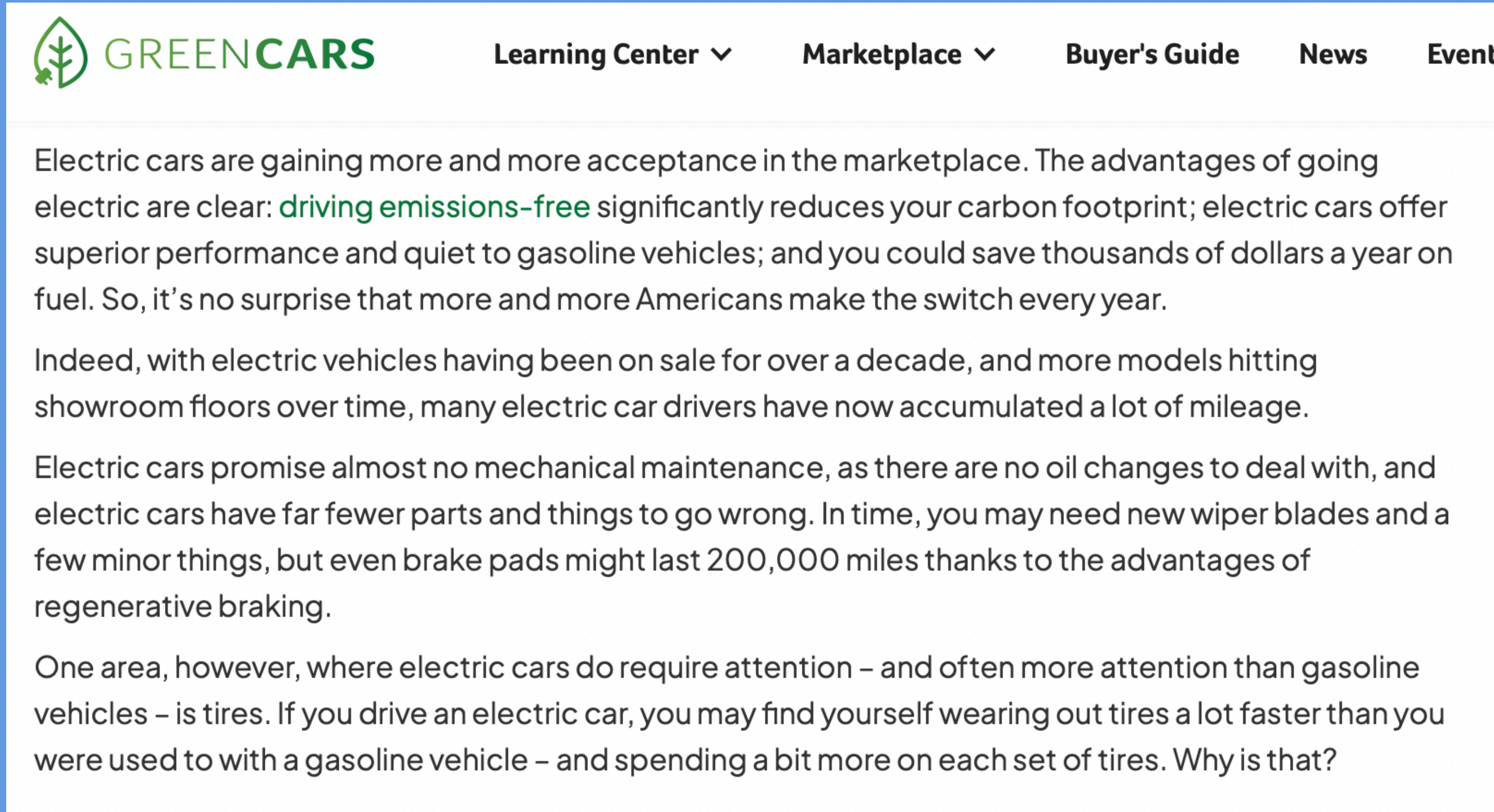
Maintenance

Total Cost of Ownership
Or
Maintenance

Looking Into Electric Cars

Maintenance

Maintenance



The screenshot shows the top navigation bar of the GREENCARS website with links for Learning Center, Marketplace, Buyer's Guide, News, and Events. The main content area contains an article with three paragraphs. The first paragraph discusses the general acceptance of electric cars and their advantages. The second paragraph notes that many electric car drivers have accumulated significant mileage. The third paragraph states that electric cars require almost no mechanical maintenance, with the exception of tires.

Electric cars are gaining more and more acceptance in the marketplace. The advantages of going electric are clear: **driving emissions-free** significantly reduces your carbon footprint; electric cars offer superior performance and quiet to gasoline vehicles; and you could save thousands of dollars a year on fuel. So, it's no surprise that more and more Americans make the switch every year.

Indeed, with electric vehicles having been on sale for over a decade, and more models hitting showroom floors over time, many electric car drivers have now accumulated a lot of mileage.

Electric cars promise almost no mechanical maintenance, as there are no oil changes to deal with, and electric cars have far fewer parts and things to go wrong. In time, you may need new wiper blades and a few minor things, but even brake pads might last 200,000 miles thanks to the advantages of regenerative braking.

One area, however, where electric cars do require attention – and often more attention than gasoline vehicles – is tires. If you drive an electric car, you may find yourself wearing out tires a lot faster than you were used to with a gasoline vehicle – and spending a bit more on each set of tires. Why is that?

Few people want to go out on a limb and say no maintenance.

But I have never taken my 30 year old electric drill in for maintenance. There will be some things that need it.

First up will be fluid changes in the mechanical brakes every 3 years. After that I can't remember anything I needed for the Subaru that the EV will need.

(OOOPS I tried to get brake fluid service and honest mechanic said wait until 10 years)

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Maintenance

- Brakes
- Tires
- Cabin air filter
- High voltage battery
- 12V battery checks
- Lubricants
- AC

This is the maintenance list for an EV. I went to my favorite Gas vehicle mechanic to see if he wanted to do my brake fluid change. Said no, brake fluid is good for 200,000 miles. Don't get brake work done unless there is a symptom.

I will forever buy my tires at Beaumont Tire
812 Dennison, just east of the Dunkin' Donut on Prospect.

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Energy



Hard to give a dollar amount on this. Each post office vehicle will save more than a vehicle for personal use. Maybe if someone drives very far everyday for work.

I will guess a good ballpark estimate is that every mile driven will save 10 cents. To get a total for the year, a number for yearly mileage is needed. For the last year of my gasoline Subaru - 6000 miles or \$600. But I've driven my VW ID4 twice that far this year.

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Tires

OUCH!!!

HANKOOK
KINERGY AS X EV
Crossover/SUV Touring All-Season

Front: **235/55R19 105T XL** Qty: 2 Per Tire: **\$361.99**
Style: **Blackwall**
Eco Focus: **Kontrol Technology**
Electric Vehicle Tuned
Load Range: **XL**
Serv. Desc: **105T**
UTQG: **500 A A**
Mile. War.: **None**

In Stock
Delivery by **Monday, 11/28** to 61820
Free Shipping

Compare
Not Yet Rated
 Original Equipment

Rear: **255/50R19 107T XL** Qty: 2 Per Tire: **\$398.99**
Style: **Blackwall**
Eco Focus: **Kontrol Technology**
Electric Vehicle Tuned
Load Range: **XL**
Serv. Desc: **107T**
UTQG: **None**
Mile. War.: **None**

In Stock
Delivery by **Monday, 11/28** to 61820
Free Shipping

Set of 4: **\$1,521.96**

Tires are the big one. I haven't purchased tires in a while, but it looks like twice as much. Remember - These are TRUCK tires. With the EV battery the gross vehicle weight of the cars are high and need almost truck sturdy tires. Also non-EV tires are available cost less upfront. EV tires will get better range and cost less over time.

TireRack website - (I buy all my tires there)

Its possible that a lot of EVs will be like mine and not have tire rotation.

The illustration is for my tires and note different sizes, front and back.

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Tires




MICHELIN
ENERGY SAVER A/S
Passenger All-Season

Size: **215/50R17 91H**
Selfseal, TPC Spec, Chevy Bolt
Style: **Blackwall**
Eco Focus: **Green X**
Electric Vehicle Tuned
Serv. Desc: **91H**
UTQG: **480 B B**
Mile. War.: **65,000 Miles**

Qty: 4
Per Tire: **\$244.77**

Out of Stock
Additional inventory due 12/01/22
Delivery by **Wednesday, 01/18** to 61820

 **Free Shipping**




TOYO
PROXES A40
Passenger All-Season

Size: **215/45R18 89V**
Serv. Desc: **89V**
UTQG: **300 B A**
Mile. War.: **None**

Qty: 4
Per Tire: **\$174.20**

Out of Stock - On Backorder
The manufacturer does not have an expected due date at this time

 **Free Shipping**
Set of 4: **\$696.80**

Less OUCH!!!

The top tire is OEM for Chevy Bolt. The other is for a Mazda 3 considered a very similar car. The Bolt tires are designed for better range and are for a heavier vehicle. Note the Chevy tires carry a fairly high mileage warranty. The Mazda tires has none.

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Registration



Affirmation for Electric Vehicle

Definition (625 ILCS 5/12-805): Beginning on January 1, 2020, the registration fee for Electric vehicles shall be equal to the fee set forth in Section 3-806 for motor vehicles of the first division, other than Autocycles, Motorcycles, Motor Driven Cycles, and Pedacycles. In addition to the registration fees, the Secretary shall assess an additional \$100 per year in lieu of the payment of motor fuel taxes. \$1 of the additional fees shall be deposited into the Secretary of State Special Services Fund and the remainder of the additional fees shall be deposited into the Road Fund. (Source: P.A. 101-32, eff. 6-28-19.)

Fees

Random-Number Electric Vehicle License Plates

- Newly acquired vehicle/first-time issuance - \$406 (\$155 title fee + \$251 registration fee)
- Currently titled vehicle/first-time issuance - \$251 (\$251 registration fee)
- Current plates expire within 90 days - \$280 (\$251 registration fee + \$29 replacement fee)
- Current plates do not expire within 90 days - \$280 (\$251 registration fee + \$29 replacement fee)
- Annual renewal - \$251

Passenger vehicle plates in Illinois cost \$100 more to offset the motor vehicle fuel tax that they do not pay.

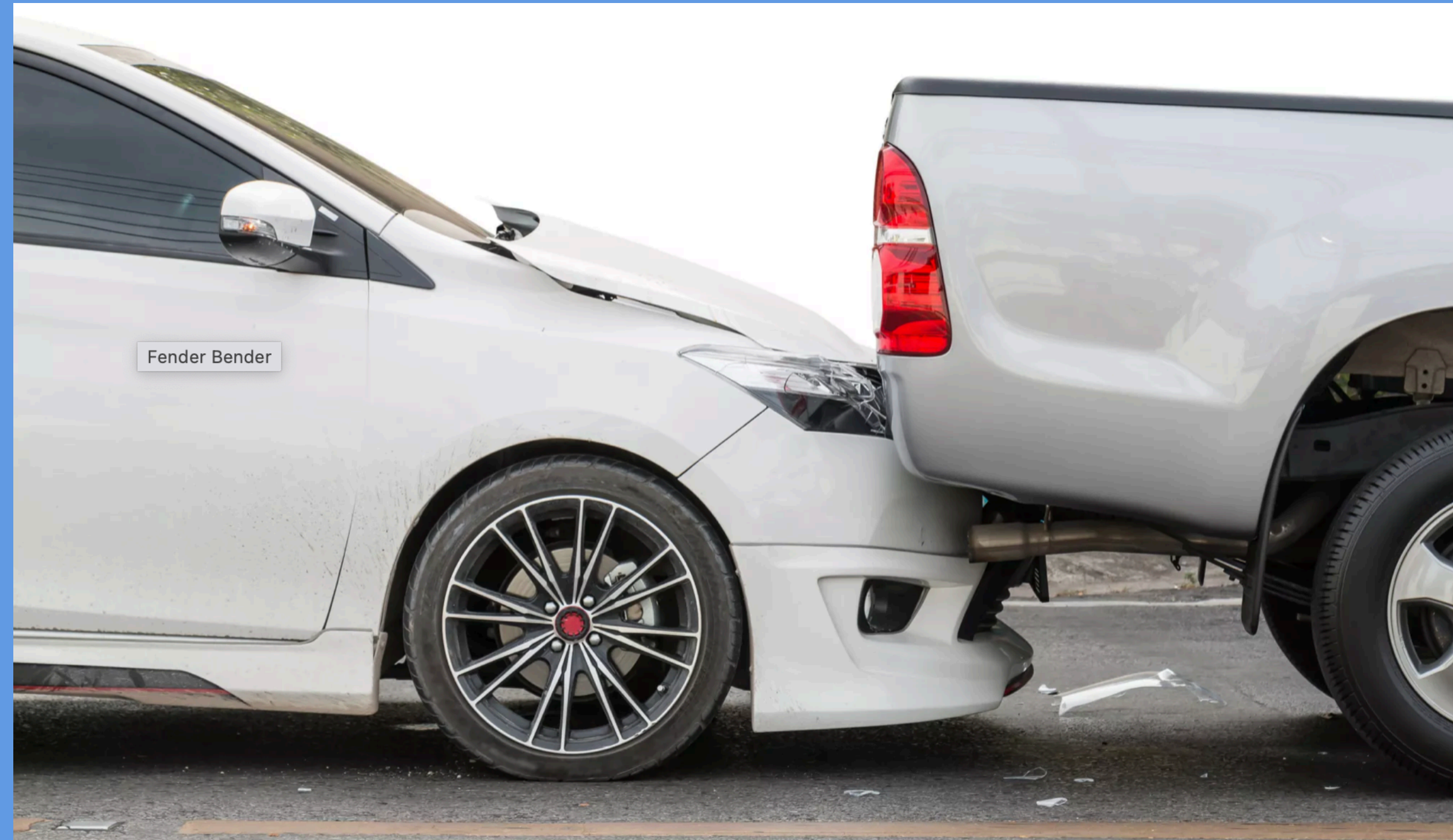
Passenger	\$151
Passenger Personalized	\$158
Passenger Vanity	\$164
Persons with Disabilities	\$151
Persons with Disabilities Personalized	\$158

Illinois Sec. Of State website

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Insurance



Expect car insurance to start a little higher. For a lot of insurance companies, the actual payouts for losses is an unknown, I expect that to go down as more EV drivers are cautious and the percentage of Tesla (Plaid version) street racers diminishes.