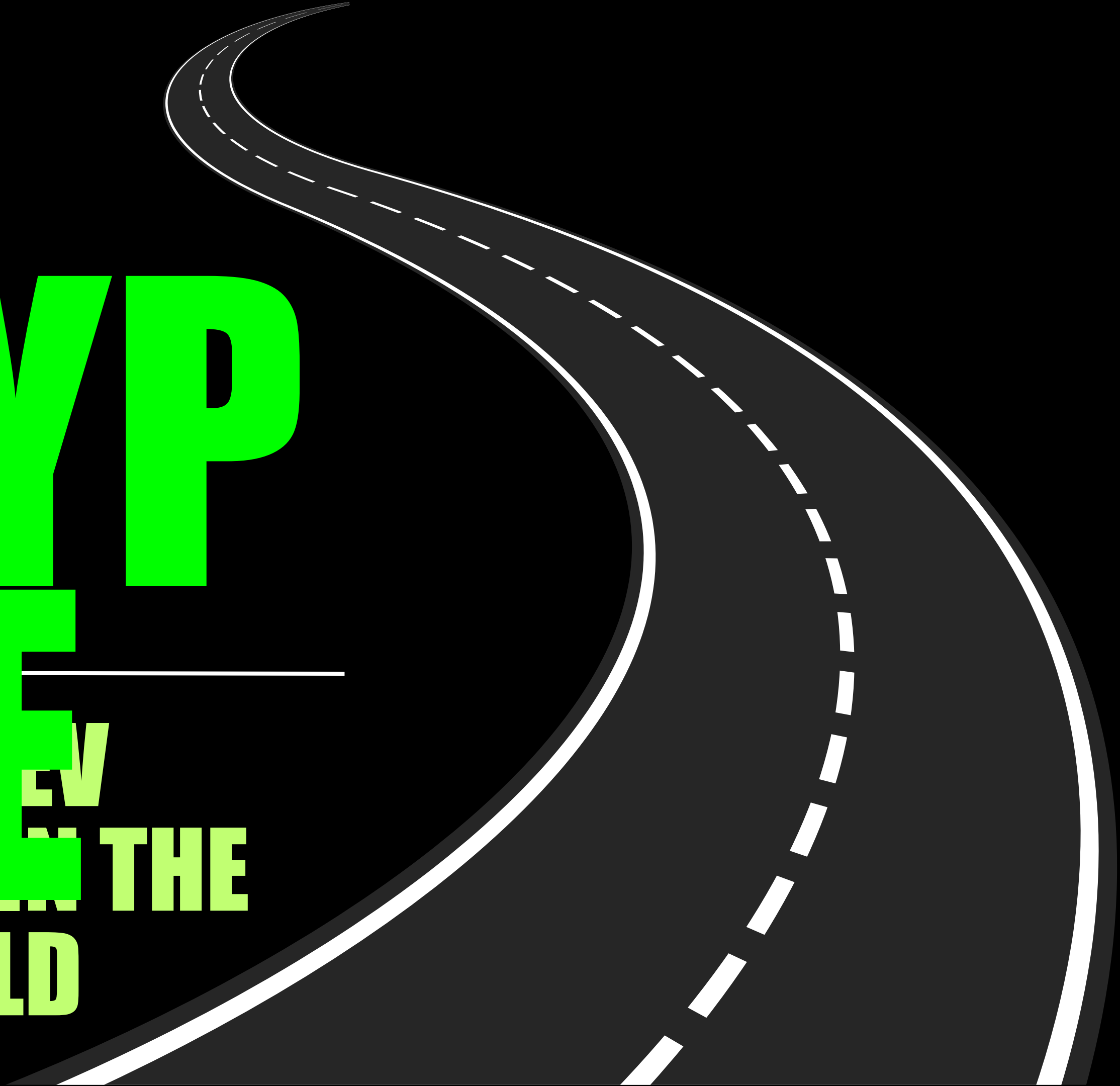


BEYOND D TH HYP

EXAMINING
PRACTICALITY IN THE
REAL-WORLD



**THANK
YOU**



Presbyterians for
Earth Care

Nope



EVS

are:



**Better for
the
environment**

...

**EVs
are:**



EVS

are:

**Better for
the
environment**

...

**Going to
save the
planet...**

EVs

are:



Let's talk about it...

**the good, the bad,
and what you need to
know.**

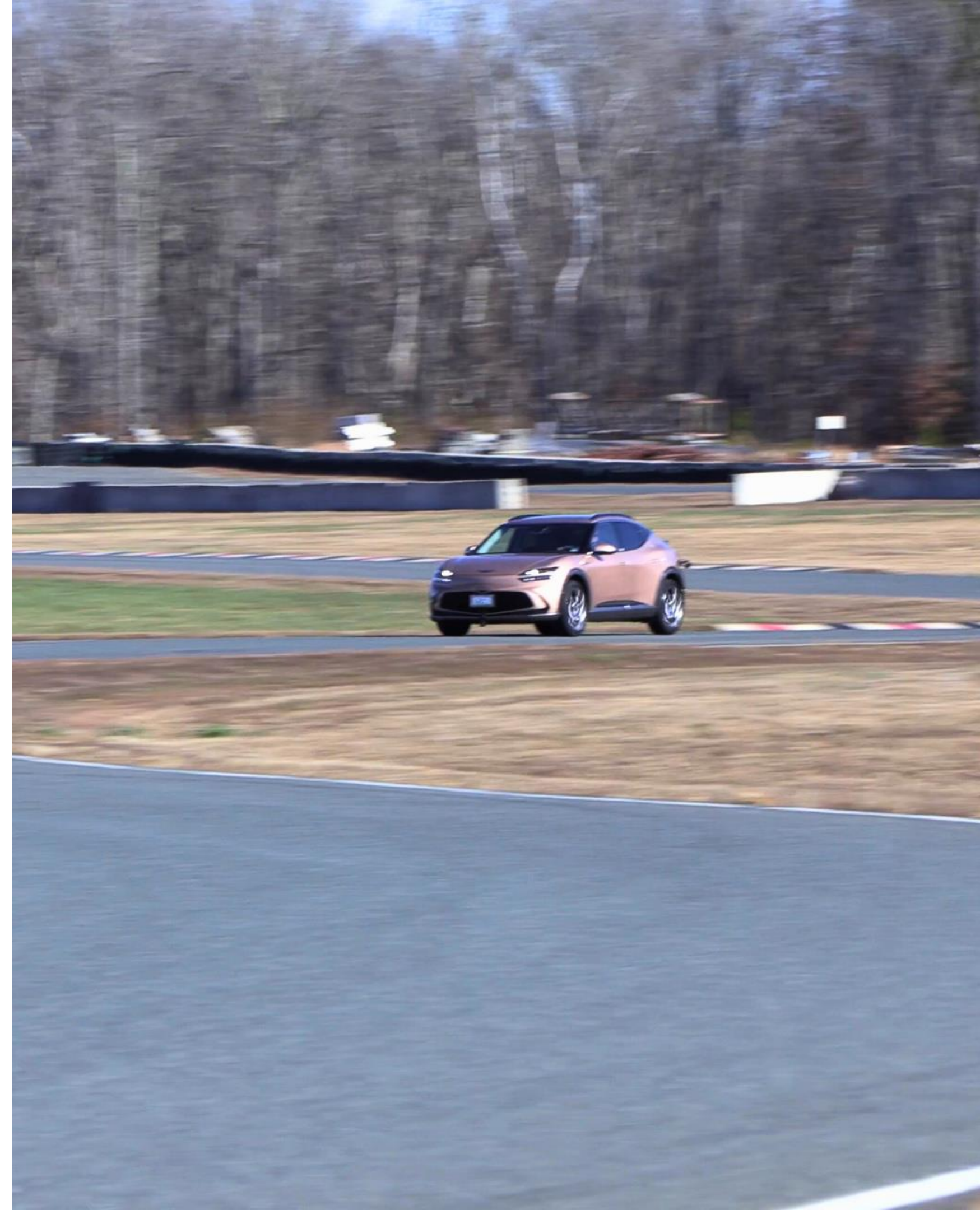








- **Buying an EV**
- **Charging an EV**
- **Maintenance**
- **Battery Life**



Buying an EV

**Tax
Credit(s)
New or
used?**

**Inflation Reduction Act, and
the
Federal EV Tax Credit (NEW
EVs)
Up to \$7,500... maybe.**

Qualification of buyer:

- **\$300,000 - married couples**
- **\$150,000 - all others**

Qualification of vehicle:

- **\$3,750 if the vehicle meets
the critical mineral requirement**
- **\$3,750 if the vehicle meets
the battery components
requirement**

AND...

Qualification of vehicle:

- **have a battery capacity of more than 7 kWh**
- **weigh less than 14,000 lbs**
- **made by a qualified manufacturer**
- **final assembly in North America**
- **vehicle is bought new**
- **seller reports required information to you and the IRS at the time of sale**
- **seller reports your name and tax ID # to IRS**

Qualification of vehicle:

- **vehicle MSRP doesn't exceed \$80,000
for vans, SUVs, and trucks**
- **vehicle MSRP doesn't exceed \$55,000
for all other vehicles**

For detailed information:

<https://fuel economy.gov/feg/tax2023.shtml>

But...

**Inflation Reduction Act, and
the
Federal EV Tax Credit (USED
EVs)
Up to \$4,000... maybe.**

Qualification of buyer:

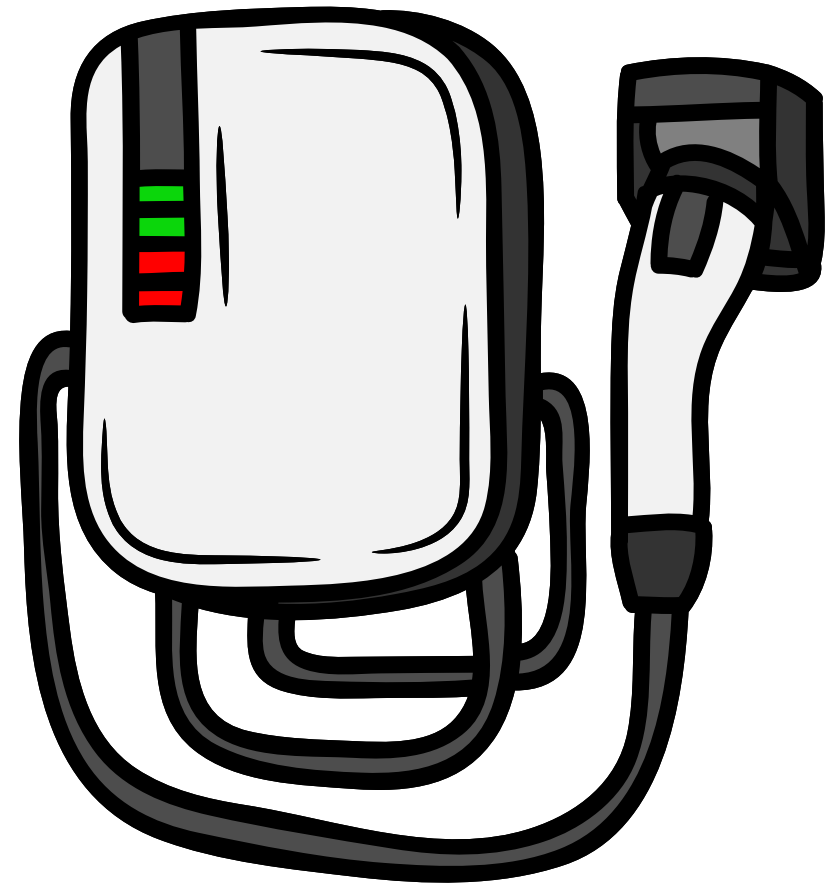
- **\$150,000 - married couples**
- **\$75,000 - all others**

**Not have claimed another used
clean vehicle credit in the
three years before purchase
date.**

The credit equals 30% percent of the sale price up to a maximum credit of \$4,000.

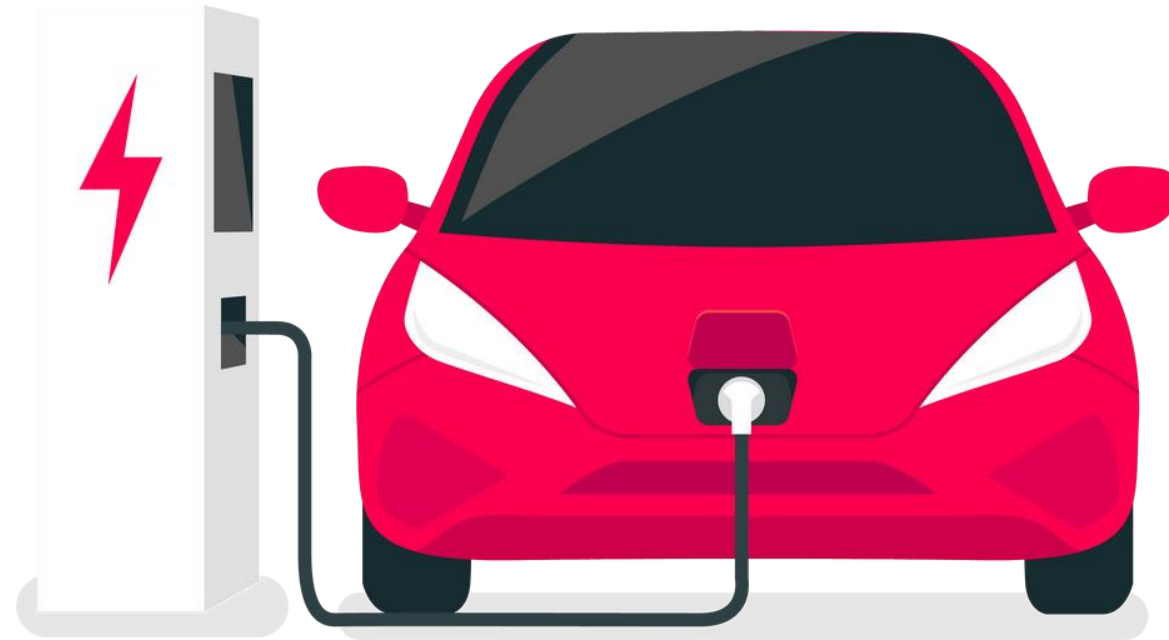
Vehicle sale price must be \$25,000 or less and the vehicle must be a model year 2 years prior than the current calendar year.

EV Charging



Home

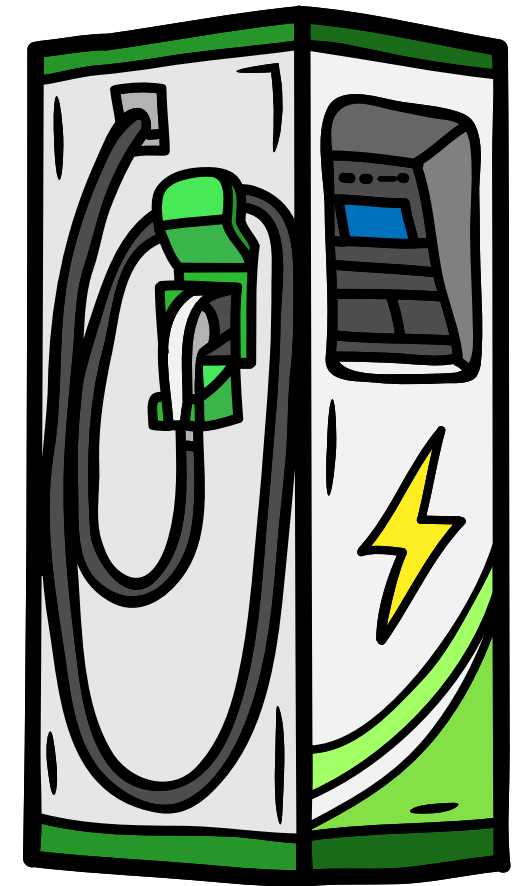
110V & 240V



**LVL
2**

Public

C



**DCFC
C**

**NEMA 10-
30**

3-prong

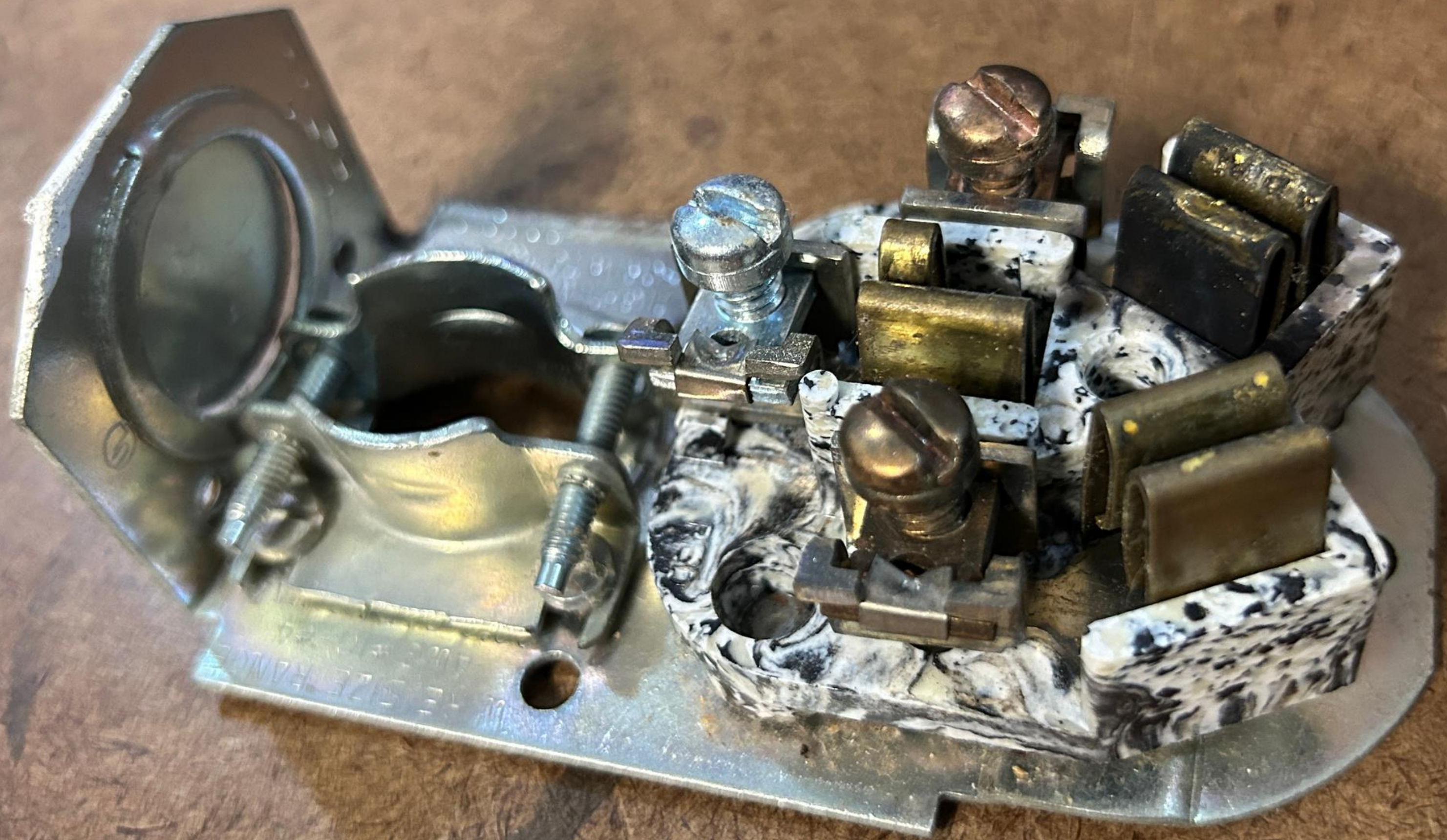
30A Dryer

Max 24A





125/250V



NEMA 14-30



Smart Splitter



EV Maintenance



Branden Flasch  @brandenflasch · 1d

This EV maintenance stuff is going to bankrupt me



 22

 6

 175

 18.2K



Maintenance Schedule Additional Required Services	12 000 km/7,500 mi	24 000 km/15,000 mi	36 000 km/22,500 mi	48 000 km/30,000 mi	60 000 km/37,500 mi	72 000 km/45,000 mi	84 000 km/52,500 mi	96 000 km/60,000 mi	108 000 km/67,500 mi	120 000 km/75,000 mi	132 000 km/82,500 mi	144 000 km/90,000 mi	156 000 km/97,500 mi	168 000 km/105,000 mi	180 000 km/112,500 mi	192 000 km/120,000 mi	204 000 km/127,500 mi	216 000 km/135,000 mi	228 000 km/142,500 mi	240 000 km/150,000 mi
Rotate tires and perform Required Services.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Replace passenger compartment air filter. (1)			✓			✓			✓			✓			✓			✓		
Drain and fill vehicle coolant circuits. (2)																				✓
Replace brake fluid. (3)																				

Footnotes — Maintenance Schedule Additional Required Services

(1) Or every two years, whichever comes first. More frequent passenger compartment air filter replacement may be needed if driving in areas with heavy traffic, poor air quality, high dust levels, or environmental allergens. Passenger compartment air filter replacement may also be needed if there is reduced airflow, window fogging, or odors. Your GM dealer can help determine when to replace the filter.

(2) Or every five years, whichever comes first. See *Cooling System (High Voltage Battery)* ⇨ 219 or *Cooling System (TPIM, APM, and Charger Modules)* ⇨ 220 and *Cabin Heating Coolant System* ⇨ 221.

(3) Replace brake fluid every five years. See *Brake Fluid* ⇨ 223.

Special Application Services

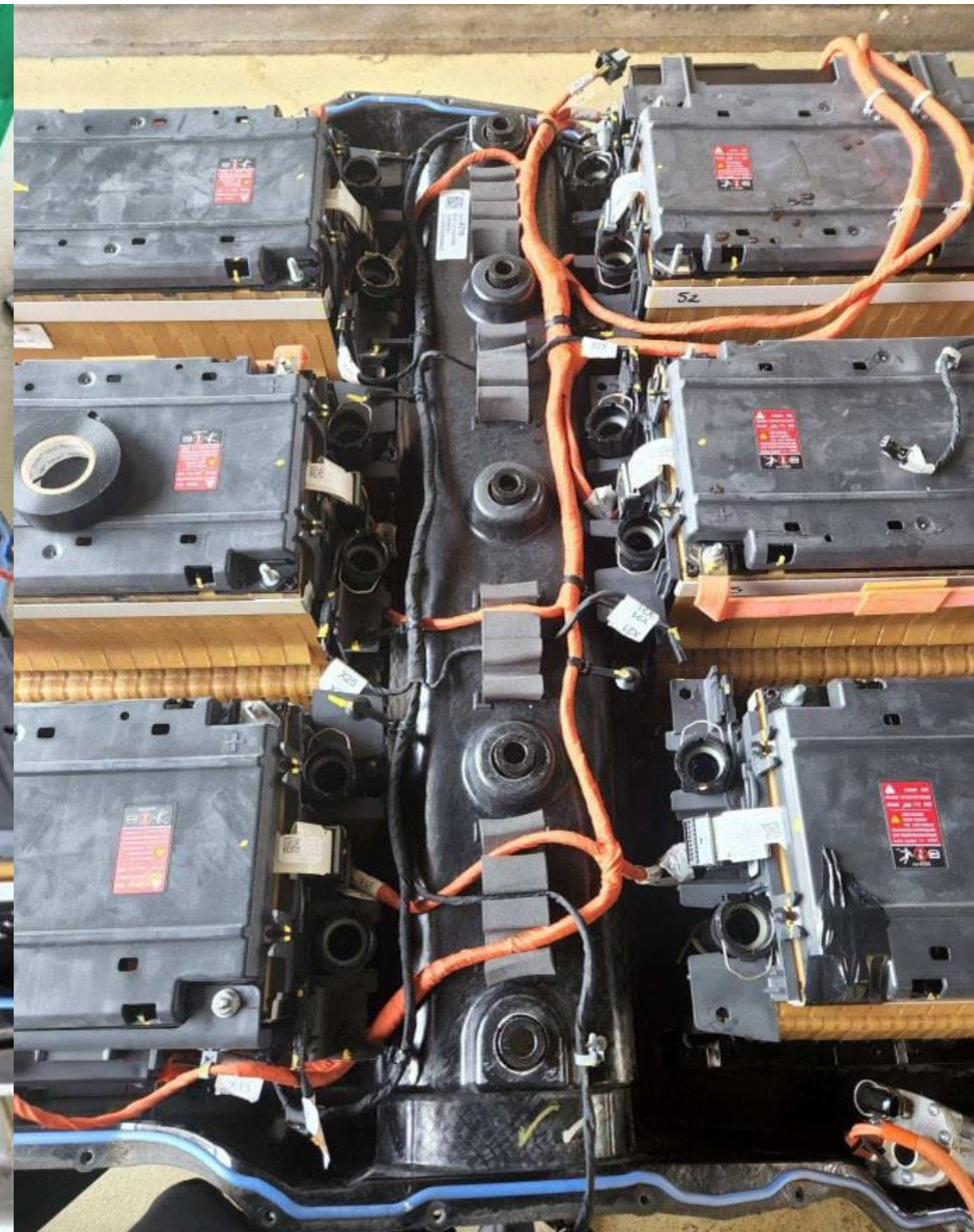
- Severe Commercial Use Vehicles Only: Lubricate chassis components every 5 000 km/3,000 mi.
- Have underbody flushing service performed. See "Underbody Maintenance" in *Exterior Care* ⇨ 268.

Tires!

Can be much more often, and more expensive for EV-specific options.



EV Battery Life





Maximum charge level and range may be reduced

OK to drive - Schedule service soon

[Learn More](#)



Fasten Seatbelt



What this alert me

Your vehicle h
limiting the
be reduced. S

What to do:

Your vehicle is OK

If this alert persist
you may notice fu

For more informat
[Information.](#)

BMS_a067

High voltage

OK to drive

**So why did I drive the Scion xB
here?**

EVs aren't for everyone... yet.

**EVs CAN be expensive.
Charging EVs CAN be dangerous.
Replacing batteries CAN be
expensive.**

EVs are appropriate for most trips.

**EVs are easy to maintain
and inexpensive to fuel.**

**Repairs and battery replacement CAN be
free.**

**The way we talk about EVs needs to
change...**

**EVs are just
better.**

**Electric Vehicle
Festival**

**Saturday, October 7th
Dominion Raceway
Spotylvania, VA**

FREE admission and parking

**www.ElectricVehicleFest.com
CODE: PEC100**





**We have a long way to
go...**

**...we can officially get
started.**

