

Charged Up



ELECTRIC VEHICLE ASSOCIATION OF SAN DIEGO (EVAOSD)

An affiliate of the Electric Auto Association (EAA)

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President: Joseph S. Gottlieb

Vice President: Lloyd Rose

Treasurer: Richard Rodriguez

Secretary: David Crow

Program Chairman: Staff

Newsletter Editor: Tom Dulaney

Webmaster: Russ Lemon

Librarian & AV: Lloyd Rose

Regular Meetings: Our meetings are on a different schedule, please check date below (No Meeting in December).

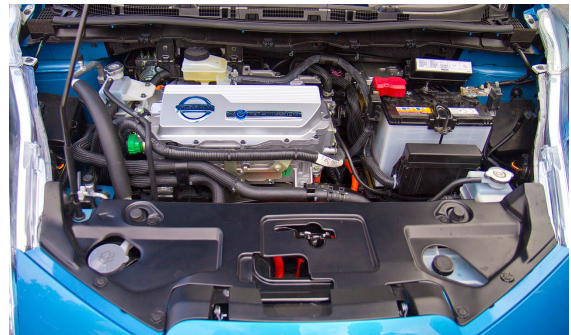
Location: SDG&E Innovation Center
4760 Clairemont Mesa Blvd.
San Diego, CA 92117

Next Meeting: June 26th, 6:00 PM (WEDNESDAY)

Program: How much power is enough?

Newsletter Topics:

David Crow examines EV maintenance costs.



Some very interesting upcoming events, mark your calendar.

Inside this issue:

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EV Maintenance Definitely Costs Less**by Dave Crow**

I didn't need to wait for a formal study to figure out that electric vehicle would be significantly less costly to maintain. My own study involved doing a side by side comparison of two similar vehicles from the same manufacturer - Nissan. I compared the official maintenance schedule of the Nissan gas powered Versa and electric drive Leaf. Over the first sixty thousand miles, Nissan wants you to change the brake fluid twice and the cabin air filter four times for both vehicles. But, that's where the similarity stops.

Over that same sixty thousand miles:

The Versa needs eight oil and filter changes, the Leaf zero.

The Versa needs the engine air filter changed twice, the Leaf zero.

During each of the eight times you visit the dealer, the Versa has an average of eight system inspections which includes the exhaust components, fuel system, and drive belts. The Leaf has only four systems needing checks during each visit. Four of the eight visits for the Leaf are only to do simple inspections and rotate the tires. Doing some rough calculations based on the above details, the maintenance cost reduction for a fully electric vehicle is at least 40%!

Long-Term Maintenance Costs Show Benefit of Electric Vehicles over ICEs**By Jon LeSage, AutoBlog Green****Posted Dec 17th 2012 10:04AM**

The sticker prices for electric vehicles in the US market, even when federal tax incentives and state and local rebates are factored in, are usually significantly higher than fuel-efficient small cars. Still, if you're looking at total lifecycle ownership costs, the fuel savings are very good for electric vehicles compared to gasoline- and diesel-powered competitors. Another number to look at on the lifecycle cost sheet is maintenance, where EVs win big.

The Institute of Automobile Economics has released a study finding EVs have maintenance costs that are about 35 percent lower than those for comparable gasoline- and diesel-powered cars. The study calculated maintenance costs for compact cars with internal combustion engines driven by owners for eight years. The findings come from research conducted for IFA by the University of Economics and the Environment, based in Nuetringen-Geislingen, Germany.

EVs have fewer mechanical and moving parts, which is where the savings comes from. They don't need oil changes and regenerative braking leads to reduced brake wear. Another advantage is not having to replace exhaust systems or clutches since EVs don't release tailpipe emissions and don't have conventional gearboxes.

The current wave of EVs, starting with the Nissan Leaf and Chevrolet Volt, has only been on the market for two years now, so it will take a while to see how they hold up in real-world operation on US roads after reaching 150,000 miles on the odometer. The big question is battery replacement costs, but with warranties and second-life options being figured out, the signs are there that EV owners are in for a pleasant surprise.

A note from: Joel Pointon,

Electric Transportation Manager SDG&E



If you haven't seen it....check out the You Tube video put out by CLean Cities Coalition featuring activity with Multi-unit Dwellings in San Diego at:

<http://www.youtube.com/watch?v=hBwHllIVdte&feature=share&list=UUekDhe50SU1Mg65iOICjaGw>

Also go to our website to see our PDF on Multi-units, read the latest case study on multi-unit projects at:

<http://www.sdge.com/apartments-and-condos>

After reviewing - send us your Multi-unit Vehicle Charging questions at MultiUnit@SDGE.COM

The next FREE workshop on Multi-unit/Multi-family Vehicle Charging will be held on Sept 17th at 9 AM at the SDG&E Energy Innovation Center (EIC) and you can register starting Monday at Seminars.sdge.com

Also- watch for an exciting announcement for a meeting in August to discuss the MultiCharge Project (ChargePoint)for Multi-units in August. Also you can get additional information on NRG/eVgo's Multi-unit Project at their website at:

<https://www.evgonetwork.com/>

Also Also-

Save the Date - Plug-in 2013 National Conference in SAN DIEGO 9/30 - 10/3 (Reception - Tuesday night on the deck of the USS Midway)

Register here - <http://plugin2013.com>

San Diego National Plug-in Day – Charge Up and Take the Wheel - 9/28 in front of Von's/Trader Joe's at NTC (near Rock Church) on Rosencranz Ave.(starts at 10 AM). Ride & Drive major brands of PEVS and come see the expanded expo...all free.

Presented by the Plug-In 2013 Conference & Exposition and National Plug-In Day Com.- combined with PUBLIC DAY for the conference and featuring National exhibitors to the conference as well as local representation.

(Note National Plug-in Day has been declared either 9/28 or 9/29 (Sat or Sun) by Sierra Club and Plug-in America this year due to complaints that last year's event was held on a Sunday in the U.S.)

Tom Dulaney

What do you think the future of Electric Vehicle Racing will look like?



Electric Auto Association (EAA) Membership Application Form

Fill out this form, attach a check, money order or use PayPal, in US funds only, payable to 'Electric Auto Association'. CE = Current EVents newsletter

e-CE \$35 USA & other Countries \$25 Student \$25 Senior (>65-USA/Canada only) birth year

paper CE \$45 USA \$48 Canada \$52 World \$29 Student \$29 Senior (>65-USA/Canada only)

\$120 (supporting level-1) \$240 (supporting level-2) \$500 or more (high voltage)_____ do not list my name

I support the _____ EAA Chapter (additional chapters, \$10 each) _____

(\$10each) Additional Chapters or Special interest group (other than the one that comes with the membership)

You can fold this form as indicated and mail it with your payment enclosed. Use tape to seal the form, **on the sides**, before you mail it or send an e-version of this form, through PayPal using <http://electricauto.org/eaamembership.html>

New Member Renewal

Name email

Mailing address (Apt. #) Home phone

Mailing City, State & Zip-8 Work phone

Electronic version of Current EVents, paperless only, link sent by email, if your membership was for the e-version, that is what you will receive

Do you own or Lease an electric vehicle (plug-in) production conversion bicycle hybrid or None

please include miles driven and type of vehicle

All information in this application is for the exclusive use of the EAA and not sold or given to any other organization.

Please identify your primary areas of interest relating to the EAA (check as many as your wish)

Owner/Driver Hobby/Builder Professional/Business Competition (Rallies, Races, Records) Plug-in Hybrids

Environmental/Govt. Regs Social (Rallies, Shows, Events) New Technology & Research Solar & Wind Power

Promotion & Public Awareness of EVs Student or General Interest Electrathon/Bicycle/Scooter/Other

The Electric Auto Association is a non-profit, 501(c)(3) for the promotion of electric vehicles. Your donations are tax deductible and with your membership you will receive the EAA publication, "Current EVents". All information and statistics in this application are for the exclusive use of the EAA and is not sold or given to any other organization or company. Your membership dues include a percentage goes to the EAA Chapter you support for public Electric Vehicle promotion EVents like rallies, shows and EV rides.

Current subscribers have borrowing privileges for the association's video tape and publications library. Subscribing to the newsletter is optional and is not a requirement for membership. EVAOSD meetings are always open to any and all interested parties. New Subscribers, please use this form to register to receive the EVAOSD Newsletter. Current Subscribers, please use this form to send us any change in your details.

Please make check or money order payable to: EAA and reference EVAOSD. Send this form and payment to: Richard Rodriguez, EVAOSD Treasurer; 2755 Dos Aarons Way, Suite A, Vista, CA 92081

EVAoSD Newsletter
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Address Correction Requested