



COURSE: Electric Vehicles
COURSE ID: EV1-1
DURATION: 4 Hours

Electric Vehicles

EV CUSTOMER INITIATION

(EV1-1)

Electric vehicles are becoming a part of everyday life. For those who use and work around EV's it has become important to understand and be confident to use and maintain an EV with health and safety in mind.

AECS has put together a unique 4-hour training for EV owners, technicians, vehicle sales and insurance assessors. Our EV training is not only fun and easy to understand, it will give you a solid understanding of EV operation including:

- ⚡ How to get the most efficiency out of an EV and the importance of driving wisely. The simple science and some misconceptions out there. We'll look at data the car gives to the driver via the displays, through the eyes of an engineer.



⚡ What affects the SOH of the battery and how the driver through simple instructions can increase longevity of the battery, it is not hard to get long life out of a high voltage battery. What to look for when purchasing an EV, and what is common fraud.



⚡ How the driver can in some cases dramatically increase the range of the vehicle, through simple instructions. This increase of range will also affect the longevity of the battery. What components of the EV actually drain the high voltage battery and what the driver can do to minimise this. We will be looking at tyre choice, aircon use, braking and acceleration behaviour, power steering and charge behaviour.



⚡ We look at each item on the car and what level of effect it has on energy consumption (SOC and SOH). We'll look at professional maintenance on all maintenance sensitive items, such as aircon service, wheel alignment, oil changes in the transmission, brake maintenance, and LED lighting.

⚡ Home and public charging will be looked at from purchasing tokens via legal and illegal means. Home charging, A/C and DC chargers. We cover what the actual 'fuel' costs are and how to actually calculate the true costs of running. We also look at actual charge times vs. theoretical charge durations. What role does a smart phone play in the charge process.



⚡ What is actually going to happen when you run out of battery (HV battery flat). How to recover from this, and what options you have.



⚡ What maintenance does the EV actually need, and a little background on each item, so the driver can hand the car to the workshop with confidence knowing what needs to be done and why.



⚡ What can be done at home by the enthusiast and what does some of the information coming from cheap handyman tools mean.



For information on dates or to enroll please get in contact with our team.
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