

File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-306-4
Relating to Certification of New Motor Vehicles

SOLECTRIA CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Solectria Corporation new pure electric motor vehicles are certified as described below for passenger cars:

Emission Standard Category: Zero-Emission Vehicle (ZEV)

Fuel Type: Battery-Stored Electricity

Engine Family: VSLCV0000001

Battery Type: Lead Acid

Vehicle Model: Force

BE IT FURTHER RESOLVED: That because the listed vehicle models are powered by battery-stored electricity and have no on-board systems which consume any fuel other than electricity, the vehicles produce zero exhaust or evaporative emissions of any criteria pollutant (or precursor pollutant) and therefore qualify as ZEVs according to Title 13, California Code of Regulations, Section 1960.1(g)(1), note (2.1); the listed vehicle models also meet the definition of "low-emission motor vehicle" set forth in Health and Safety Code Sections 39037.05 and 43800.

BE IT FURTHER RESOLVED: That the listed vehicle models have been demonstrated, based on the vehicle range capabilities or on the specific energy of the battery, to qualify for and shall be granted two ZEV credits pursuant to Title 13, California Code of Regulations, Section 1960.1(g)(2), note (9)a.

BE IT FURTHER RESOLVED: That the listed vehicles models shall not be equipped with any fuel-fired auxiliary power sources or heaters.

BE IT FURTHER RESOLVED: That the listed vehicle models shall comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models shall be clearly labeled as "low-emission motor vehicles" pursuant to the requirements of Health and Safety Code Section 43802(a).

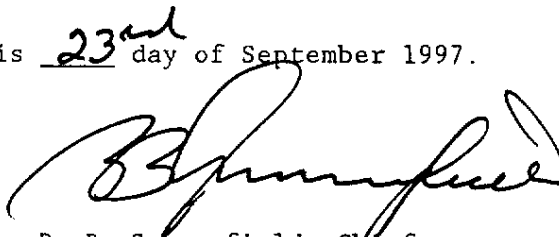
BE IT FURTHER RESOLVED: That because the vehicles certified by this executive order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 or Title 13, California Code of Regulations, Sections 2035 et seq.

Quarterly production reports shall be submitted to the Executive Officer no later than 45 days after the end of each quarter.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 23rd day of September 1997.



R. B. Summerfield, Chief
Mobile Source Operations Division

1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
ZEV-PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer Solectria Corporation Engine Family VSLCV0000001
 Veh Class(es) PC LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5
 No. of ZEV Credits per vehicle 2
 Fuel Type: Electro chemical Battery Fuel Cell Capacitor Other(specify) _____
 Battery Types(s): Lead Acid Nickel Cadmium SBLA Sodium Sulphur
 Sodium Nickel Chloride Nickel Metal Hydride Lithium Metal Disulphide
 Zinc Air Zinc Bromine Lithium Polymer Other(specify) _____
 Total Battery Weight 832 lbs Total Battery Volume 11,050 in³ Battery Specific Energy 21 Wh/kg
 No. of batteries or modules per vehicle 13 Total Battery Voltage 156V
 Charger(s): on-board off-board conductive inductive
 Drive Motor(s): AC Induction DC Brush DC Brushless
 Switched Reluctance Other(specify) _____
 No. of Drive Motors 1 Rated motor power 34kW @ 3000 rpm Max rpm 12,000
 Drive: FWD RWD 4WD-FT 4WD-PT
 Regenerative Braking: No Yes FW RW AW
 Driver Controller Regen Braking: Yes No Coast Regen Braking: Yes No
 Air Conditioning: Yes No
 Fuel Fired Heater: Fuel Type: Gas Diesel CNG LNG
 LPG Other(specify) _____ Rated Heat Power _____ kW

Vehicle Models (If coded see attachment)	Trans. type M5, A4 (if applicable)	GVWR	Curb Weight	ETW or Test Weight	DPA or RLHP
Force	auto/1spd	3200 lbs	2550 lbs	2716 lbs	lbf

$$RLHP \text{ lbf} = 2.34 + 0.69V + 6.16V^2$$

Date Issued:

Revisions: