State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER B-68
Relating to Conversion of Motor Vehicles to Electricity

Zelectric Motors, LLC
Zelectric EV Retrofit 1.0

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-14-012; and

Pursuant to Health and Safety Code Section 43004, which provides, in pertinent part, that the standards applicable for exhaust emissions for gasoline-powered motor vehicles shall apply to motor vehicles which have been modified or altered to use a fuel other than gasoline or diesel; and

Pursuant to Health and Safety Code Section 43006, which provides that the Air Resources Board may certify the fuel system of any motor vehicle powered by a fuel other than gasoline or diesel which meets the standards specified by Section 43004; and

Pursuant to Vehicle Code Sections 27156 and 38395, which provide in pertinent part that the prohibitions in Section 27156 and Section 38391, respectively, regarding alterations, modifications or modifying devices, apparatuses or mechanisms which modify or alter the original design or performance of required motor vehicle or off-highway motor vehicle pollution control devices or systems shall not apply to alterations, modifications, or modifying devices, apparatuses, or mechanisms found by the Air Resources Board to not reduce the effectiveness of required motor vehicle or off-highway motor vehicle pollution control devices or result in emissions from any such modified or altered vehicle or off-highway vehicle which are at levels which comply with existing state or federal standards for the model year of the vehicle or off-highway motor vehicle being modified or converted;

IT IS ORDERED AND RESOLVED: That the Zelectric EV Retrofit 1.0 electric vehicle conversion kit manufactured by Zelectric Motors, LLC of 4476 Osprey Street, San Diego, CA 92107 is approved for installation on 1973-1974 model-year on-road/highway vehicles originally incorporating a gasoline engine listed in Exhibit A, of this document.

BE IT FURTHER RESOLVED: That because the motor vehicles converted in accordance with the systems covered by this order are powered by battery-stored electricity and have no on-board systems which consume any fuel other than electricity; the vehicles have no exhaust emissions and therefore comply with the exhaust emission standards applicable to 1973-1974 model-year gasoline powered light-duty motor vehicles.

BE IT FURTHER RESOLVED: That because the motor vehicles converted in accordance with the systems covered by this order have no parts that affect emissions for which there is an applicable emission requirement, the conversion system manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 or 43205.5, or Title 13, California Code of Regulations, Sections 2035 et seq, 2425, 2435 and 2436. Motor vehicles converted in accordance with the system covered by this order shall not be equipped with any on-board system which consumes any fuel other than electricity. Any changes to the design or operating conditions of their system which violates this condition shall invalidate this Executive Order.

The Zelectric Motors, LLC, Zelectric EV Retrofit 1.0 system includes the following major components:

Component	Part Number	Description
Energy Storage System	ZMLIEPO422KW	Battery Pack
BMS	ZMBMS	Battery Management System
PDC/DC	ZMCHR2500	Power Supply/Voltage Regulators
Motor Controller	ZMCNT	Inverter
Motor	ZMAC65KW	Electric Traction Motor
Heating Unit	ZMHEATER	Optional Heating for Cabin

This Executive Order shall not apply to any Zelectric EV Retrofit 1.0 advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Zelectric EV Retrofit 1.0 using any identification other than that shown in this Executive Order or marketing of the Zelectric EV Retrofit 1.0 for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of Zelectric Motors, LLC, Zelectric EV Retrofit 1.0 electric vehicle conversion system may have on any warranty either expressed or implied by the manufacturer.

In addition to the foregoing, the Air Resources Board reserves the right to review this Executive Order and the exemption provided herein to assure that the exempted vehicle conversion kit continues to meet the standards and procedures of Title 13, California Code of Regulations, Sections 2222, et seq. and 2470, et seq.

This Executive Order does not constitute a certification, approval, or any other type of endorsement by the Air Resources Board of any claim made by the applicant concerning the range, durability, or safety associated with the use of Zelectric Motors, LLC, Zelectric EV Retrofit 1.0.

Executed at El Monte, California, this 14 day of September 2016.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

EXHIBIT-A

ZELECTRIC EV RETROFIT 1.0			
Model Years	**Make**	**Model**	**Engine Displacement**
1973-1974	Volkswagen	914/4 Roadster	2.0L
1973-1974	Volkswagen	Beetle (Type: Deluxe Sedan 11)	1.6L
1973-1974	Volkswagen	Beetle (Convertible 15)	1.6L
1973-1974	Volkswagen	Karmann Ghia	1.6L
1973	Volkswagen	Microbus (Combi & Campmobile 23)	1.7L
1974	Volkswagen	Microbus (Combi & Campmobile 23)	1.8L
1973	Volkswagen	Microbus (Panel Truck 21)	1.7L
1974	Volkswagen	Microbus (Panel Truck 21)	1.8L
1973	Volkswagen	Microbus (Station Wagon 22/24)	1.7L
1974	Volkswagen	Microbus (Station Wagon 22/24)	1.8L
1973	Volkswagen	Pick-Up (Pick-up Double Cabin 26)	1.7L
1974	Volkswagen	Pick-Up (Pick-up Double Cabin 26)	1.8L
1973-1974	Volkswagen	Thing (Type: VW 181)	1.6L