Tell

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-742
Relating to Certification of New Motor Vehicles

GENERAL MOTORS 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 General Motors 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: VGM0.0VYZ5RE

Battery Type: Lead-Acid

Vehicle Model: EV1 Coupe

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 meet the definition of ZEV in Title 13, California Code of Regulations, Section 1900(b)(15), and meet the ZEV standard contained in the pending amendments, adopted July 24, 1996, to Title 13, California Code of Regulations, Section 1960.1(g)(1), note (2.1)(a); 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 models shall not be equipped with any fuel-fired auxiliary power sources or heaters.

BE IT FURTHER RESOLVED: That the listed vehicle models have been demonstrated, based on vehicle range capabilities or on the specific energy of the battery, to qualify for and shall be granted three ZEV credits pursuant to Title 13, California Code of Regulations, Section 1960.1(g)(2), note (9)a, when the July 24, 1996 amendments to that provision become effective.

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 Sacramento, California this 12th day of November 1996.

Michael P. Kenny
Executive Officer

(FOR CARB USE ONLY)

E.O. #A-6-742

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

R: GENERAL MOTORS CORP. ENGINE FAMILY: VGM0.0VYZ5RE EVAP FAMILY: NA

ALL ENGINE CODES IN ENGINE FAMILY: CA ( ) 49S ( ) 50S (X) AB965 ( )

EXH STD: CA TIER-1 ( ) TLEV ( ) LEV ( ) ULEV ( ) ZEV (X); U.S. EPA TLEV (X)

EVAP STD: NA IN-USE EXH STD: NA

VEH CLASS(ES): PC (X) LDT1 ( ) LDT2 ( ) MDV1 ( ) MDV2 ( ) MDV3 ( ) MDV4 ( ) MDV5 ( )

SINGLE CERT STANDARD FOR MULTI-CLASS ENGINE FAMILY: NA

FUEL TYPE(S): NA EMISSION TEST FUEL(S): NA

SERVICE ACCUMULATION: STD AMA ( ) MFR ADP ( ); NMOG TEST PROCEDURE: NA (X) EQUIV ( )

R/L TEST PROCEDURE: NA (X) PT SOURCE ( ); HYBRID TYPE: NA APU CYCLE: NA

ENGINE CONFIGURATION: ELECTRIC DISPLACEMENT: NA LITERS / NA CU. IN.

VALVES / CYLINDER: NA RATED HP: 137 @ RPM

ENGINE LOCATION: FRONT (X) DRIVE: FWD (X) RWD ( ) 4WD-FT ( ) 4WD-PT ( )

EXHAUST EMISSION CONTROL SYSTEM: NA

RLHP / DPA VALUES: SECTION 08.13.02.00

ENGINE CODE & LETTER DERIVATIVES	LOC (C/F/NW)	VEH MODELS	TRANS (M5,A4,ETC.)	EQUIV. TEST WEIGHT	EGR SYSTEM PART NO.	CATALYTIC CONVERTER PART NO.
ALL	NW	EV1 Coupe (ZPX07)	A1	3250	NA	NA

CARLINE NAME	CARLINE CODE
EV1 COUPE	39001

ISSUED: ML-VP189 REVISED:

EMISSION DATA RATIOS

TO BE USED FOR ASSEMBLY LINE TESTING

	19415908 (Config 016)	19415908 (Config 017)	19415915 (Config 019)	19415915 (Config 020)
NMHC* (G/MI)	0.0589	0.0823	0.0715	0.0709
NMOG (G/MI)	0.0607	0.0849	0.0737	0.0728
HCHO (G/MI)	0.0010	0.0012	0.0010	0.0010
NMOG:NMHC	1.0306	1.0316	1.0308	1.0268
HCHO:NMHC	0.0170	0.0146	0.0140	0.0141

* NMHC includes methane response factor.

Average NMOG:NMHC = 1.030

Average HCHO:NMHC = 0.015

Ratio established using Phase 2 emission certification fuel.

ISSUED: ML-VP057 REVISED: ML-VP220