File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-9-388
Relating to Certification of New Motor Vehicles

CHRYSLER 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 Chrysler Corporation new pure electric motor vehicles are certified as described below for light-duty trucks:

Emission Standard Category: Zero-Emission Vehicle (ZEV)

Fuel Type: Battery-Stored Electricity

Engine Family: VCR0.02YZZRA

Battery Type: Lead Acid

Vehicle Model: Dodge Caravan and Plymouth Voyager

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); 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 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 24th day of April 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: Chrysler Corporation Eng Fam: VCR0.02YZZRA

Veh Class(es): PC____ LDT1____ LDT2 X MDV1____ MDV2____ MDV3____ MDV4____ MDV5____

No. Of ZEV Credits per vehicle: 3 per Zev Mandate

Fuel Type: Electro chemical Battery X Fuel Cell____ Capacitor____ Other (specify)____

Battery Type(s): Lead Acid X Nickel Cadmium____ SBLA____ Sodium Sulfur____

Sodium Nickel Chloride____ Nickel Metal Hydride____ Lithium Metal Disulfide____

Zinc Air____ Zinc Bromine____ Lithium Polymer____ Other(specify)____

Total Battery Weight: 661.5 kg Total Battery Volume: 320 liters Battery specific energy: 41 wh/kg

No. Of batteries or modules per vehicle: 27 Total Battery Voltage: 324

Charger(s): on-board X off-board____ conductive X inductive____

Drive Motor(s): AC Induction X DC Brush____ DC Brushless____

Switched Reluctance____ Other (specify):____

No. Of Drive Motors 1 Rated motor power 56 kw @ 3200 rpm Max rpm: 12,500

Drive: FWD X RWD____ 4WD-FT____ 4WD-PT____

Regenerative Braking: No____ Yes X FW X RW____ AW____

Drive Controlled Regen Braking: Yes____ No X Coast Regen Braking: Yes X No____

Air Conditioning: Yes X No____

Fuel Fired Heater: NA 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
AA-100 NSKL52, NSHL52, NSKH52, NSHH52	A1	5900	5015 5025	5250	See Attachment

Date Issued:
Revisions: 3-10-97 | 4-21-97 | | |

97FWD SDS/zevform

CHRYSLER CORPORATION

1997 LDT
VCR0.02YZZRA

Dynamometer Settings:

MODEL	AC	TIRE DESCRIPTION	TEST WT.	ELECTRIC DYNO COEFFICIENTS* SET A	B	C
NSKL52	Y	P205/75R15XL	5250	20.18	-0.0936	0.03416
NSHL52						
NSKH52						
NSHH52						

*Adjusted for addition of 10% hp. increase for air conditioning usage.

CHRYSLER CORPORATION
Vehicle Names for Certificates of Conformity
and Executive Order

1997 LDT
VCR0.02YZZRA

Carline Code	Sales Name	Engineering Model
65065	Dodge Caravan 2WD	NSKL52 NSKH52
91010	Plymouth Voyager 2WD	NSHL52 NSHH52