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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: VCRO.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).

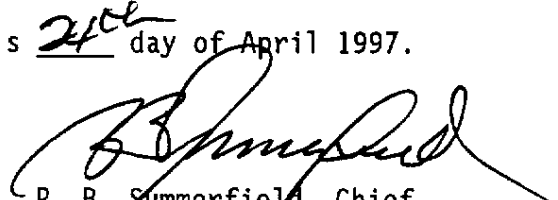
BE IT FURTHER RESOLVED: That because the vehicles certified by this executive order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 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 24<sup>th</sup> day of April 1997.



R. B. Summerfield, Chief  
Mobile Source Operations Division

Manufacturer: Chrysler Corporation Eng Fam: VCRO.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<br>(if coded see<br>attachment) | Trans. Type<br>M5, A4<br>(if applicable) | GVWR | Curb<br>Weight | ETW or<br>Test<br>Weight | DPA<br>or<br>RLHP |
|--|--|------|----------------|--------------------------|-------------------|
| AA-100<br>NSKL52, NSHL52,<br>NSKH52, NSHH52    | A1                                       | 5900 | 5015<br>5025   | 5250                     | See<br>Attachment |

CHRYSLER CORPORATION

1997 LDT  
VCR0.02YZZRA

Dynamometer Settings:

|              |           |                         |             |                                   |                 |
|--------------|-----------|-------------------------|-------------|-----------------------------------|-----------------|
| <u>MODEL</u> | <u>AC</u> | <u>TIRE DESCRIPTION</u> | <u>TEST</u> | <u>ELECTRIC DYN COEFFICIENTS*</u> |                 |
| NSKL52       | Y         | P205/75R15XL            | <u>WT.</u>  | <u>SET A</u>                      | <u>SET C</u>    |
| NSHL52       |           |                         | 5250        | 20.18                             | -0.0936 0.03416 |

NSKH52  
NSHH52

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

CHRYSLER CORPORATION  
Vehicle Names for Certificates of Conformity  
and Executive Order

Attachment to SDS Page 1  
of Executive Order A-9-388

1997 LDT  
VCR0.02YZZRA

Carline Code  
65065

Sales Name  
Dodge Caravan 2WD

Engineering Model  
NSKL52  
NSKH52

91010

Plymouth Voyager 2WD

NSHL52  
NSHH52