

File

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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-254-50
Relating to Certification of New Motor Vehicles

HYUNDAI MOTOR COMPANY

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 1998 model-year Hyundai Motor Company 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: WHYXV0000YZ5

Battery Type: Nickel Metal Hydride

Vehicle Model: Accent EV

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).

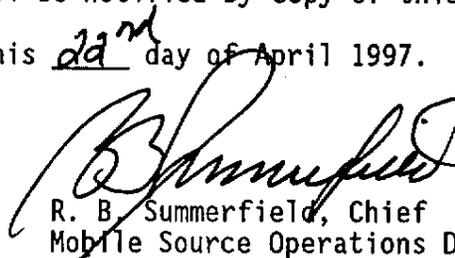
BE IT FURTHER RESOLVED: That because the vehicles certified by this executive order have no parts that affect emissions for which there is an applicable emission requirement, the manufacturer is not required to provide an emission control system warranty pursuant to Health and Safety Code Section 43205 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 22nd day of April 1997.



R. B. Summerfield, Chief
Mobile Source Operations Division

1998 AIR RESOURCES SUPPLEMENTAL DATA SHEET .025
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer : Hyundai Motor CO. Exh Eng Fam : WHYXV0000YZ5 Evap Fam : N/A
 Veh Class(es) : PC LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5
 No. of ZEV Credits per vehicle : 3 (Based on battery specific energy)
 Fuel Type(s) : Electro chemical Battery Fuel Cell Capacitor Other
 Battery Type(s) : Lead Acid Nickel Cadmium SBLA Sodium Sulfur
 Sodium Nickel Chloride Nickel Metal Hydride Lithium Metal Disulfide
 Zinc Air Zinc Bromine Lithium Polyner Other (specify)
 Total Battery Weight: 450 kg Total Battery Volume : 172 L Battery Specific Energy 64.0 wh/kg
 No. of batteries or modules per vehicle : 24 Total Battery Voltage : 316.8V
 Charger(s) : on-board off-board conductive inductive
 Drive Motors(s) : AC Induction DC Brush DC Brushless
 Switched Reluctance Other(specify) :
 No. of Drive Motors 1 Rated motor power 60 Kw @ 3600 rpm Max rpm 10000
 Drive : FWD RWD 4WD-FT 4WD-PT
 Regenerative Braking : NO YES FW RW AW
 Driver Controlled 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

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| Veh. Models (If Coded see Attachment) | Trans.Type : M5, A4 (if applicable) | GVWR | Curb Weight | ETW or Test Weight | DPA or RLHP |
|--|---|----------|-------------|--------------------------|-------------------|
| Accent <i>EV</i> | Direct drive | 3,700 lb | 3,160 lb | 3,460 lb | 13.92 (*) |

Note (*) : Determined by measurement and calculation