

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-860-A
Relating to Certification of New Motor Vehicles

FORD 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 1999 model-year Ford Motor Company 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: XFMXT00.02Z5

Battery Type: Nickel Metal Hydride

Vehicle Model: Electric Ranger 2WD

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 qualify as ZEVs according to Title 13, California Code of Regulations, Section 1960.1(g)(1), note (2.1); 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 vehicle models have demonstrated, based on the specific energy of the battery, to qualify for and shall be granted 2.0 ZEV placement credits for purposes of paragraph I.D.2. of the Memorandum of Agreement between the manufacturer and the Air Resources Board.

BE IT FURTHER RESOLVED: That to the extent that the manufacturer exceeds its obligation to place new ZEVs with advanced technology batteries into service in California urban areas pursuant to said Memorandum of Agreement, the listed vehicle models have demonstrated, based on the vehicle range or on the specific energy of the battery, to qualify for and shall be granted three ZEV credits for purposes of Title 13, California Code of Regulations, Section 1960.1(g)(2), note (9)a.

BE IT FURTHER RESOLVED: That the listed vehicles models shall not be equipped with any fuel-fired auxiliary power sources or heaters.

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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 25 day of September 1998.


R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-10-860-A

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: FORD MOTOR COMPANY Exh. Eng. Fam.: XFMXT00.02Z5 Evap. Fam.: N/A
 Engine Code Types: CA 495 509 xxx ORVR: Yes No XXX
 Exhaust Std: CA Tier-1 TLEV LEV ULEV ZEV xxx U.S. EPA TIER-1
 Number of ZEV Credits per vehicle: Fuel Type: Electro Chemical Battery
 Vehicle Class(es): PC LDT1 LDT2 xxx MDV1 MDV2 MDV3 MDV4 MDV5
 Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
 Battery Type: Nickel Metal Hydride Total Battery Weight: 485 kg
 Total Battery Volume: 38 cu. ft. Module Voltage: 12 V
 Number of Batteries or Modules per vehicle: 25 Total Battery Voltage: 300 V
 Charger(s): On board, Conductive Number of Drive Motors: 1 Rated power: 67 kW @ 2800 rpm and higher
 Drive: RWD Regenerative Braking: Yes, RW
 Coast Regenerative Braking: Yes Driver Controlled Regenerative Braking: Yes
 A/C: Yes Fuel Fired Heater: No

| Software Code | Vehicle Models | Trans. | ETW | Transaxle Part Number | Battery Control Module Part Number |
|---------------|---------------------|--------|------|-----------------------|------------------------------------|
| Version 3.1 | Electric Ranger 2WD | A | 4800 | XL5P-7002-AA1 | XLF-105887-BE |

Nickel Metal
Hydride