State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-164
Relating to Certification of New Motor Vehicles

MAZDA MOTOR 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1993 model-year Mazda Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PTK1.6V5FWS7 Displacement: 1.6 Liters (98 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter
Oxygen Sensor
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|
| 50,000 | 0.25 | 3.4 | 0.4 |
| 100,000 | 0.31 | 4.2 | n/a |

The certification exhaust emission values for this engine family in grams per mile are:

| Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|
| 50,000 | 0.15 | 1.3 | 0.2 |
| 100,000 | 0.17 | 1.6 | n/a |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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 and attachment.

Executed at El Monte, California this 10th day of June, 1992.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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Manuracturer Mazda Motor Corporation Engine Family PTK1.6V5FWS7

Pass Car X (PC) Lt-Duty Truck ___(T1/T2) Medium-Duty Vehicle ___(M1/M2/M3/M4/M5)

Stds Type: Tire 1(Tier 0/1,AB965,TLEV,LEV,ULEV) Veh.Type(FFV,HEV(type A/B/C)): N/A

Fuel Type: Unleaded Evaporative Family : S

Engine Config. I-4 Liter (CID) 1.6 ( 97.5)

Engine: Front X Mid.___ Rear ___ Drive: FWD ___ RWD X 4WD-FT ___ 4WD-PT ___

Exhaust ECS & Special Features (incl. CARB, MPI, ect.) TWC, O2S, SFI
(Use abbreviations per SAE J1930 MAY91)

| Eng. Code/ (Cert. Std.) | Veh. Models (If Coded see Attachmt.) | Trans. Type: A-Auto M-Man | Equiv. Test Weight | DPA or RLHP | Ign. Sys. (PCME/PROM) Part No. | EGR Syst. Part No. | Catalyst Part No. |
|---|---|---|---|---|---|---|---|
| CB6D-M | MX-5 Miata | M-5 | 2500 | 8.0 | Crank Angle Sensor:B61P | --- | B6AW |
| CB6D-MC | | | | 8.8 | | | |
| CB6D-A | | A-4 | 2500 | 8.0 | ECU : B6AW | | |
| CB6D-AC | | | 2625 | 8.8 | | | |

Cert. Std.
50,000 miles Std.:
NMHC : 0.25
CO : 3.4
NOx : 0.4
Evap.: 2.0

100,000 miles Std.:
NMHC : 0.31
CO : 4.2
NOx : ---
Evap.: ---

Idle HC : 220 *1
100 *2

Idle CO : 1.2 *1
1.0 *2

*1: at 2500 rpm N/L
*2: at idle

Revisions:
1290