State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-220
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That Mazda Motor Corporation 1997 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: VTK3.02JG2EK Displacement: 3.0 Liters (180 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converters (two)
Heated Oxygen Sensors (two)
Sequential Multiport Fuel Injection

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

The non-methane organic gases (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) TLEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.160	4.4	0.7	0.018	12.5
	100,000	0.200	5.5	0.9	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for NMOG reflect application of a 0.98 RAF for 1997 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.065	0.7	0.03	0.00049	5.0
	100,000	0.071	0.7	0.03	0.001	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is vertifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average NMOG exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

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 2235).

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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines").

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 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 27th day of August 1996.

John Kowalski for

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O.#A-16-220

Manufacturer: Mazda Motor Corporation

Engine Family: VTK3.02JG2EK

Evap Family: VTK1120BYME1

All Eng Codes in Eng Fam: CA X 49S ____ 50S ____

Stds. Type : CA Tier-1 ____ AB965 ____ TLEV X LEV ____ ULEV ____ ZEV ____ US EPA Tier 1 ____

Evap Std: Useful Life with R/L

In-Use Exh Std: Full In Use

Veh. Calss: LDT2

Single Cert Std for Multi-Class Eng Fam: N/A

Fuel Type(s): Gasoline

Emission Test Fuel(s): Phase II

Service Accum: Std AMA

NMOG Test Procedure: Std.

R/L Test Procedure: PT Source

Hybrid: N/A

APU Cycle: ____

Engine Config : V-6

Displacement 3.0 Liters (180) Cu. inches

Valves/Cly. 3

Rated HP 152 @ 5000 RPM

Engine : Front X Mid. ____ Rear ____

Drive: FWD ____ RWD X 4WD-FT ____ 4WD-PT ____

Exhaust ECS & Special Feature (incl. CARB, MFI, etc.) HO2S(2)/SFI/TWC(2)
(Use abbreviations per SAE J1930 MAY91)

Engine Code (Cert, Std.)	Vehicle Model (if coded see attachment)	Trans. Type A-autonatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Part No.
2JEETAA7	Mazda MPV	A4	4000	11.0 *1	Distrubutor:	•••	JEC4 20 500
				10.8 *2	JE96 18 200A		JEC4 20 600
2JEETAAV (a/c)				12.1 *1	ECU:		
				11.8 *2	JEC4 18 881		

*1:P195/75R 15 tires

*2:P215/65R 15 tires

Revisions:

1290

Issue date:	June 7, 1996				
Rev. No.					
Date					