File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-216
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 1997 model-year Mazda Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

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

Fuel Type: Gasoline

Engine Family: VTK2.0VJG2EK Displacement: 2.0 Liters (122 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Warm Up Three Way Catalytic Converter
Three Way Catalytic Converter
Heated Oxygen Sensors (two)
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

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

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

Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

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

The certification exhaust emission values set forth for non-methane organic gases (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:

Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.071	0.9	0.1	0.001	5.7
100,000	0.076	1.0	0.2	0.001	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gases (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 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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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 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 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 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).

BBE 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 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 19th day of June 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Mazda Motor Corporation
Engine Family: VTK2.0VJG2EK
Evap Family: VTK1065BYPA1

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: 50K
In-Use Exh Std: Full In Use
Veh. Calss: PC
Single Cert Std for Multi-Class Eng Fam: N/A
Fuel Type(s): Gasoline
Emission Test Fuel(s): Phase 2
Service Accum: Std AMA
NMOG Test Procedure: Std
R/L Test Procedure: N/A
Hybrid: N/A
APU Cycle:
Engine Config : I-4
Displacement 2.0 Liters (121.5) Cu. inches
Valves/Cly. 4
Rated HP 114 @ 5500 RPM
Engine : Front X Mid. ____ Rear ____
Drive: FWD X RWD ____ 4WD-FT ____ 4WD-PT ____

Exhaust ECS & Special Feature (incl. CARB, MFI, etc.) HO2S/TWC/WU-TWC/EGR/SFI
(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.
2FSD2AA7	Mazda 626 &	M5	3000	6.2 (B)	Distrubutor:	EGR	FSC5 20 600
2FSD2AA7	MX-6		3000	5.4 (D)	FP13 18 200A	Control	B6CK 20 500B
2FSD2AAV			3000	6.8 * (B)	ECU:	Valve:	
2FSD2AAV			3000	5.9 * (D)	FSH7 18 881A		
2FSDTAA7	Mazda 626	L4	3125	6.2 (B)	Distrubutor:	FS56 20 300A	
2FSDTAA7	Mazda 626		3125	5.4 (D)	FSB9 18 200		
2FSDTAAV	Mazda 626		3125	6.8 * (B)			
2FSDTAAV	Mazda 626		3125	5.9 * (D)			
2FSDTAA7	Mazda MX-6		3000	6.2 (B)	ECU:		
2FSDTAA7	Mazda MX-6		3000	5.4 (D)	FSH8 18 881A		
2FSDTAAV	Mazda MX-6		3000	6.8 * (B)			
2FSDTAAV	Mazda MX-6		3000	5.9 * (D)			

Revisions:
1290

(B)=Bridgestone
(D)=Dunlop
* = A/C

Issue date:	April 26, 1996				
Rev. No.					
Date					

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O.# A-16-216

Manufacturer: Mazda Motor Corporation
Engine Family: VTK2.0VJG2EK
Evap Family: VTK1065BYPA1

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: 50K
In-Use Exh Std: Full In Use
Veh. Calss: PC
Single Cert Std for Multi-Class Eng Fam: N/A
Fuel Type(s): Gasoline
Emission Test Fuel(s): Phase 2
Service Accum: Std AMA
NMOG Test Procedure: Std
R/L Test Procedure: N/A
Hybrid: N/A
APU Cycle: Otto
Engine Config : I-4
Displacement 2.0 Liters (121.5) Cu. inches
Valves/Cly. 4
Rated HP 114 @ 5500 RPM
Engine : Front X Mid. ____ Rear ____
Drive: FWD X RWD ____ 4WD-FT ____ 4WD-PT ____

Exhaust ECS & Special Feature (incl. CARB, MFI, etc.) HO2S/TWC/WU-TWC/EGR/SFI
(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.
2FSD2AA6	Mazda 626 &	M5	3000	6.2 (B)	Distrubutor:	EGR	FSC5 20 600
2FSD2AA6	MX-6		3000	5.4 (D)	FP13 18 200A	Control	B6CK 20 500B
2FSD2AAT			3000	6.8 (B)	ECU:	Valve:	
2FSD2AAT			3000	5.9 (D)	FSH7 18 881A		
2FSDTAA7	Mazda 626	L4	3125	6.2 (B)	Distrubutor:	FS56 20 300A	
2FSDTAA7	Mazda 626		3125	5.4 (D)	FSB9 18 200		
2FSDTAAV	Mazda 626		3125	6.8 (B)			
2FSDTAAV	Mazda 626		3125	5.9 (D)			
2FSDTAA7	Mazda MX-6		3000	6.2 (B)	ECU:		
2FSDTAA7	Mazda MX-6		3000	5.4 (D)	FSH8 18 881A		
2FSDTAAV	Mazda MX-6		3000	6.8 (B)			
2FSDTAAV	Mazda MX-6		3000	5.9 (D)			

Revisions:
1290

(B)=Bridgestone
(D)=Dunlop

Issue date:	April 26, 1996				
Rev. No.	97-REVCL-1				
Date	June 11, 1996				