State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-219 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:

Fuel Type: Gasoline

Engine Family: VTK2.5VJG1EK <u>Displacement</u>: 2.5 Liters (152 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter Dual Heated Oxygen Sensors 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 certification exhaust emission standards for this engine family in grams per mile are:

Mi <u>les</u>	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20⁰F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

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

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20⁰F)</u>
50,000	0.11	0.7	0.1	6.8
100,000	0.12	0.8	0.1	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 abovereferenced 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 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 Anday of June 1996.

R. B. Summerfield Assistant Division Chief Mobile Source Division

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Manufacturer	Mazda Motor Corpo	oration		amily	VT	K2.5VJG1EK	
			Evap Family		VTK1120BYPE1		
All Eng Codes in	Eng Fam: CA_ Tier-1 X AB96 Usefull L	X_49S	50S LEV	— ULE	vzev_	US EP	A Tier 1
Stds. Type : CA	Iter-1 A Absorb	ife with R/L	In-Use	Exh Std:		Full In	Use
Evap Siu.		110 4141 142	Single	Cert Std fo	r Multi-Class Er	ng Fam: N/A	
Veh. Calss:			Emiss	ion Test Fu	iel(s):	Indole	ne
Fuel Type(s):	Gasoline				• •		
Service Accum:	Std AMA		B/L T	est Procedu	ure:	Pt Sou	rce
	cedure: N/A		A DL1 (Cycle:			
Hybrid:			Displa	acement	2.5 Liters	(152.4)	Cu. inches
Engine Config	V-6		Dated	LHP	170 @	5800 RF	PΜ
Valves/Cly.	4		Drive	EWD Y	RWD	4WD-FT	4WD-PT
Engine : Front	X Mid.	Rear	Unive	. FWD .A	·- '''' —		•
		-			D 11000 (SEE)	TWOTEGRAM	12.5/2)
Exhaust ECS &	Special Feature (in	cl. CARB, MFI,	etc.)		7 HU25/5F1/	TWC/EGIG FIC	
(Use abbrevia	ations per SAE J193	30 MAY91)					
	Vehicle Model	Trans. Type		DPA	Ignition	EGR	
E-si-a Cada		A-autonatic	ETW	or	(ECM/PCM)		Catalyst
Engine Code	attachment)	M-manual		RLHP	Part No.	Part No.	Part No.
(Cert, Std.)		A4	3625	5.8	Distributor:	EGR	Monolith
IKLDTAAV	Millenia	A4	5025	3.3	KF34 18 200A	Control	Converter:
					K1 34 16 2001.	Valve:	KLL6 20 600
		:]			*1
]					KLG8 20 300]
				! }	ECU:		KLL6 20 600A
					KLL6 18 881 A		*2
\							KLL6 20 600B
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					1		KLL6 20 600C
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Issue date:	April 19, 1996]
Rev. No.		
Date		