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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-225 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 1998 model-year Mazda Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: WTKXV02.5VB2 Displacement: 2.5 Liters (152 Cubic Inches)

Exhaust Emission Control Systems & 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:

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	<u>Monoxide (20°F)</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:

Miles	Non-Methane Carbon		Nitrogen	Carbon	
	Miles <u>Hydrocarbons</u> <u>Monoxide</u>		<u>Oxides</u>	<u>Monoxide (20°F)</u>	
50,000	0.17	1.4	0.1	7.2	
100,000	0.19	1.6	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 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 vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, 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 and Smog Index 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 44 day of August 1997.

R. B Summerfield, Chief

Mobile Source Operations Division

1998 AIR RESO	URCES BOARD	SUPPLEME	NTAL DAT	A SHEET	A-10 E.O.#	6-22 <i>5</i> page	17-KL-2 2 of 2
Manufacturer All Engine Codes Exh Std: CAT Veh Class (es): F Single Cert Std fo Fuel Type (s):	Mazda Motor Corpo in Engine Family: ier-1 X TLE C X LDT1 r Multi-Class Eng F Dedicated X	CA 49 V LE LDT2 Fam: N/A Flex-Fuel	h Eng Fam: S 50 V	WTKXV02. S X A ILEV /1 M fy: N/A, LE Fuel M85	5VB2 Evap B965 , OF SULEV MDV MDV2 MDV DT1, MDV1, MDV2 Bi-Fuel C	Fam: WTKXR0 RVR: YES X , US EPA T /3 MDV4 , MDV3, MDV4 Gasoline X ecify)	125BFA
Exh Emiss Test F	uel (s): Indo <u>X</u> Diesel:	CBG 13 CCB 2282	CNG	LFG 40CFR 86	M85 C	40 CFR 86.	113-94
Service Accum: NMOG Test Proc Engine Configura Valves per Cylind Engine: Front	sion Test Procedum Std. AMA X edure: N/A X etion: V-6 er: 4 Mid.	Mod AMA Std Displacement Rear	a I Equ : 2.5 Ra Dri	Federal Mfr ADP tiv / tted HP : tive: FWD	Other (specific process) R/L Test Process Liters 152.4 170 X RWD TWC/EGR/SFI iations per SAE J1	ecify)PT /Cu @6000 4WD-FT4	Source X bic Inches
	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			EGR	
Engine Code (also list CA/	Vehicle Models (if coded see	Trans. Type (M5, A4	or		(ECM/PCM)	1	Catalyst
(also list CA) 49ST/50ST)	attachment)	etc.)	Test Wt.		Part No.		Part No.
BKLD2AA8 BKLD2AAW	626	M5	3250	6.5 7.2	Distrubutor: N.A. ECU: KLM8, KLG6	EGR Control Valve: KLG4	KLG4
BKLDTAA8		A4	3375	6.5 7.2	Distrubutor: N.A. ECU:		
BKLDTAAW				,,,,	KLM9, KLG7		
HC (g/mi)	Standards (50,0	00 mile/ 100		20,000 m	((*)		
NMOG (g/mi) Non-methane Hi CO (g/mi) NOx (g/mi) HWFET NOx (g/ Evap. (EPA : g/ Evap. (ARB : g/ Evap. (Abbrev : Running Loss Spit Back (g/ter	3.4 0.4 mi) 0.5 test) cytest) g/test) st)	, — , , , , , , , , , , , , , , , , , ,					

Revisions:

сет-нс

CST-CO

Cold CO (g/ml)

idle CO for LDY (%) HCHO (mg/ml)

NMOG (g/ml) for 50° F HCHO (mg/ml) for 50° F 10.0

at idle:100, at 2500rpm:100

at idle:0.5, at 2500rpm :0.5

1290

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Date		