State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-102 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 1989 model-year Mazda Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)		
KTK1.3V5HFD3	1.3	(80)	Air Injection-Pump Oxygen Sensor Warm-Up Dual Bed Catalyst Three-Way Catalyst (Electronic Port Fuel Injection) (Turbocharger & Intercooler) On-Board Diagnostic (Exempted)		

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)	
0.39	7.0	0.7	

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.14	0.6	0.5		

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission

standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in ileu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high aititude requirements and highway emission standards 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 Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

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

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compilance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.) and with the 2 year/24,000 mile warranty provisions of Health and Safety Code Section 43204.

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 24th day of January, 1989.

K. D. Drachand, Chief Mobile Source Division

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1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

				Page 1	
Manufacturer Mazda Motor Co	rporation Engine Family		KTK1.3V5HFD3		
Evaporative Family		Engine Type		R-2	
		Liters (CID)	1.	3 (80)	
			•	•	
ABBREVIATIONS					
Ignition System	Exhaust Emi	issions Control Sy	stem	Special Features	
CA-Centrifugal Advance ECU-Electronic Control Unit EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard CFI, EPFI, MPFI, SFI, DID, DIP, HOS, OS nV-nVenturi Carburetor VV-Variable Venturi Carburetor	AIV-Air Ing EGR-Exhaust EIC-Electro (Diese EM-Engine N SPL-Smoke F Throttle TOC-Trap Ox TOP-Trap Ox DBC-Dual Be OC-Oxidation TWC-Three-W WUOC-Warm-U WUTWC-Warm-OS-Oxygen S HOS-Heated	kidizer, Continual kidizer, Periodica ed Catalyst on Catalyst May Catalyst Jp Oxidation Catal -Up Three-Way Cata	trol l	CFI-Central Fuel	
•				OBD-On-Board Diagnostics	
VEHICLE MODELS: Mazda Rx-7 TURB	80			•	
•					
	•			·	
Engine: Front <u>x</u> Mid	Rear		•		
		Full Time		Part Time	

lanufactur	er	Mazda M	lotor Cor	ooration	Engine Fam	nily <u>KTK1</u>	3V5HFD3	
iter (CID)	1.3	(80)		Eng. T	ype	R-2	
mission C	control S	ys. (Spec	ial Feat	nies)M <u>NbB</u>	AIP. OS.T	WC(EPFI.TC.IC.	OBD)	· · · · · · · · · · · · · · · · · · ·
Engine Code			Trans. Type	Equiv. Test	Ign. System (ECU)	Fuel System	EGR Valve	Catalyst
	(Dyno	•		Weight	Part No.	Part No.	Part No.	Part No.
T13-M	MAZDA	6.4	M-5	3250	Crank Angle	Fuel Injector	N/A	N370F &
T13-MC	Rx-7	7.0			Sensor N326 18 230			. N370R
			-					
					·	Note) 205/60VR15 tire		
						·		

Revisions:

030186

Date of Issue October 15, 1988