State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-91 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 1988 model-year Mazda Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		splacement (Cubic inches)	Exhaust Emission Control Systems (Special Features)
JTK1.3V5HRB6	1.3	(80)	Air injection — Pump Exhaust Gas Recirculation Oxygen Sensor Warm-up Oxidation Catalyst Warm-Up Three-Way Catalyst Three-Way Catalyst (Electronic Port Fuel injection)

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	Carbon Monoxide	Nitrogen Oxides
(Grams per Mile)	Grams per Mile)	(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	1.0	0.6		

BE IT FURTHER RESOLVED: That the ilsted models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code 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 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 Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude 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 Administrative Code, Section 1965) for the aforementioned model year.

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

BE IT FURTHER RESOLVED: That 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 Administrative Code, Section 2035 et seq.) and, with 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 _

day of December, 1987.

K. D. Drachand, Chief Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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	ngine Type	R-2	
			<u> </u>
L	iters (CID)	1.3 (40.0	x 2)
Exhaust Emiss	ions Control Sy	stem .	Special Features
AIV-Air Inject DBC-Dual Bed EGR-Exhaust G EIC-Electronic EM-Engine Mod OC-Oxidation OS-Oxygen Sen HOS-Heated Ox SPL-Smoke Puf Throttle De TOC-Trap Oxid TOP-Trap Oxid TWC-Three-Way WUOC-Warm-Up	tion-Valve Catalyst as Recirculation C Injection Consideration Catalyst sor ygen Sensor f Limiter or lay izer, Continual izer, Periodica Catalyst Oxidation Catal	trol l yst	CCV-Combustion Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel Injection IC-Intercooler or Aftercooler MFI-Mechanical Fuel Injection OBD-On-Board Diagnostics TC-Turbocharger
_	Exhaust Emiss AIP-Air Injec AIV-Air Injec DBC-Dual Bed EGR-Exhaust G EIC-Electroni EM-Engine Mod OC-Oxidation OS-Oxygen Sen HOS-Heated Ox SPL-Smoke Puf Throttle De TOC-Trap Oxid TOP-Trap Oxid TWC-Three-Way WUOC-Warm-Up	Exhaust Emissions Control Sy AIP-Air Injection-Pump AIV-Air Injection-Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculatio EIC-Electronic Injection Con EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodica TWC-Three-Way Catalyst WUOC-Warm-Up Oxidation Catal	Exhaust Emissions Control System AIP-Air Injection-Pump AIV-Air Injection-Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical

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Engine:	Front X		Mid.	· · · · · · · · · · · · · · · · · · ·	Rear			•	•	
Drive:	FWD	•	RWD	X	4WD	Full Time	4WD	Part	Time _	

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Passenger	Cars X				Medium-Duty Ve		Page Sas <u>X</u> Di	esel	
Manufactur					Engine Fam	• '			
Liter (CID					Eng. T	ype R-	R-2		
					AIP, EGR, OC,	OS, TWC (EFI)	·		
Engine Code	Vehicle (If Code	d see	Trans. Type	Equiv. Test Weight	Ign. System (ECU)	Fuel System	uel System EGR Valve		
	attachment) (Dyno Hp)			ne i gii s	Part No	Part No.	Part No.	Part No.	
FR13-MR		6.1 ^{*1}		3,000					
		6.7	M−5	3,375					
FR1 3-MCR	Mazda	6.7 ^{*1} . 7.0 ^{*2}		3,000	Sensor	Fuel Injector 195500-1350	X1251-EGV	N326F N326C N326R A	
•	RX-7	7.4		3,375			-100A		
· FR13-AR		6.1*1							
		6.4*2	A-4	3,000	Note) *1: · for *2: for	185/70HR14 ti 205/60VR15 t			
FR13-ACI	R	7.0*2							
Comments:	See pag	e one fo	r abbrevi	ations and	d evaporative	emission fami	y identific	ation.	

Please refer to manufacturer's HP list for correct dyno test HP settings based on model and ipment. If two test weights are listed, the lower weight will be used for testing.

Date of Issue December 11, 1987 Revisions: