File

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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-314-14 Relating to Certification of New Motor Vehicles

KIA MOTORS 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 Kia Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

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

Fuel Type (Certification Fuel): Gasoline (Indolene)

Engine Family: WKMXV01.8A01 Displacement: 1.8 Liters (109.4 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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 Gas	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	Formaldehyde	Carbon <u>Monoxide (20°F)</u>
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

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

Miles	Non-Methane Organic Gas	Carbon <u>Monoxide</u>	Nitrogen Oxides	<u>Formaldehyde</u>	Carbon Monoxide (20°F)
50,000	0.074	0.4	0.2	0.002	2.4
100,000	0.079	0.4	0.2	0.002	n/a

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 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 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 listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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."

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 October 1997.

R. B. Summerfield, Chief

Mobile Source Operations Division

1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: Ki	<u>a Motors Corpora</u>	<u>ttion </u>	h Eng Fam	WKMX	<u>V01.8A01</u> Evap	Fam: WK	MXR0100A01
All Eng Codes in	Eng Fam: CA_	<u>X</u> 49	S <u>X</u> 5	0S	AB965,	ORVR: YE	S_X_NO
Exh Std: CA 7	Tier-1 TLE	VX LE	ev u	LEV	SULEV,	US E	PA Tier-1
					DV2 MDV3_		
					V/A, LDT1, MDV		
					M85 Gas		
					ecify)		
					G M85		
					FR 86.113-90		-
Evaporative Emis					Federal_		
Service Accum:	Std AMA_X_	Mod AMA	Mfr	ADP	_ Other (specify)		
					L Test Proc: S		
					Liters		
					125 (6		
Engine: Front_	X Mid Re	or	Deivo: E	11713 17			
	<u> </u>	au	Dilve. L	WDX	KWD 4WL)-FT	4WD-PT
Exhaust ECS (e.							
			S	FI, TWO		2S(2),	
			S	FI, TWO	C, WU-TWC, HO	2S(2),	
		rc, cac):_	(use abl	FI, TWO	s per SAE J193	2S(2), 0 JUN93)	
Exhaust ECS (e.	g., MFI, EGR, 1		S	FI, TWO	C, WU-TWC, HO	2S(2),	
Engine Code	g., MFI, EGR, 7	Trans.	(use abl	FI, TWO Dreviation DPA	s per SAE J193	2S(2), 0 JUN93) EGR	Catalyst Converter
Engine Code (also list CA/49ST/50ST)	yehicle Models	Trans. (M5, A4	(use abl ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM)	2S(2), 0 JUN93) EGR System	Catalyst Converter
Engine Code (also list	yehicle Models	Trans. (M5, A4 etc.)	(use abl	DPA or	Ignition (ECM/PCM)	2S(2), 0 JUN93) EGR System	Catalyst Converter
Engine Code (also list CA/49ST/50ST)	g., MFI, EGR, 7 Vehicle Models (if coded see attachment)	Trans. (M5, A4	(use able ETW or Test Wt. 2875	DPA or RLHP	Ignition (ECM/PCM)	2S(2), 0 JUN93) EGR System	Catalyst Converter
Engine Code (also list CA/49ST/50ST) T8DB-AC	yehicle Models	Trans. (M5, A4 etc.)	(use abl ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	2S(2), 0 JUN93) EGR System	Catalyst Converter Part No.
Engine Code (also list CA/49ST/50ST) T8DB-AC	g., MFI, EGR, 7 Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	(use able ETW or Test Wt. 2875	DPA or RLHP	Ignition (ECM/PCM) Part No.	2S(2), 0 JUN93) EGR System	Catalyst Converter Part No.
Engine Code (also list CA/49ST/50ST) T8DB-AC	g., MFI, EGR, 7 Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test Wt. 2875	DPA or RLHP 6.7	Ignition (ECM/PCM) Part No.	2S(2), 0 JUN93) EGR System	Catalyst Converter Part No.

Issue Date: July 31, 1997

Revised :

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