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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-314-9 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 1996 model-year Kia Motors Corporation emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: TKM1.8VJG1EK <u>Displacement</u>: 1.8 Liters (112.3 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection Three Way Catalytic Converter Heated Oxygen Sensors (Two) Exhaust Gas Recirculation

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
	Hydrocarbons	<u>Monoxide</u>	Oxides	<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:

Miles	Non-Methane	Carbon	Nitrogen	Carbon
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides	<u>Monoxide (20⁰F)</u>
50,000	0.13	1.9	0.2	6.2
100,000	0.14		0.2	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 gas (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 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 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)(6.1) ("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 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 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 23°

R. B./Summerfield

Assistant Division Chief Mobile Source Division

of October 1995.

189 6 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES.

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	35-tom Comorotic	on Evh I	Foor Fam: T	KM1.8VJ	GIEK Evap Far	m: <u>TKM1178</u>	8BYM11
Manufacturer: Kia	Motors Corporati) 100	EU	C	ARQ65		
All Eng Codes in l	Eng Fam: CA	495_	ວບ	D	AD300	TIS EPA T	ier-1
Exh Std: CA Ti	er-1 <u>X</u> TLEV	/ LF	ev u	LEV	ZEV	OS EAT AT	t In Tion
Evap Std: 50K	Useful Life	with R/L	X In-U	Jse Exh :	Std: Full in Us	MDV4	MDV5
Vehicle Class(es):	PC_X_LDT1	LD12	י אמוא		V2MDV3	MD7/2 MD7	73 MDV4
Single Cert Std fo	or Multi-Class Ex	ng Fam: 🛄	N/A (spe	ecify: NA	A, LDT1, MDV1, I	711 7 Z, 1711 Y	Nonel
End Time(a): Dec	licated 📞 🛮 Flex-	-Fuel	Dual-Fuel	M	85 Gasom	ie	JIC3CI
CNIC	TNG T	PC MS	35 Ot	her (spec	ify)		
Emission Test Fr	ol(a): Indo	Ph2 🗶 🔻	CNG I	.PG	M85 Other	(specify)	
Emission Test I'v	Diosal: 1	3 CCR 228	2.	40 CFI	R 86.113-90	40CFR 86.	.113-94_}
	Dieser I	rad AMA	 Mfr A	DP.	Other (specify)_		
Service Accum:	otd AMA_A_ N	TOU MINIA		D/I	Test Proc: SH	ED X Pt	Source
NMOG Test Proc	edure: N/A_X_	Std	Equiv	. N.	Test Proc: SH		
Hybrid: Type A_	B C, A	PU Cycle (e.g., Otto, 1	Diesel, Ti	urbine):		-Lie Ynche
	t_4 Th	enlacement:	: 1.8	Liters	112.3		anic mene
Walten non Callind	er: 4		Rated HP:		<u> 122 </u>		JIN.
Engine: Front	MELECO T	~	S	FI. TWC.	HO2S, EGR.		
Exhaust ECS (e.	g., MFI, EGR, I	o, cach_	/ abb	rozdation	s per SAE J1930	SEP91)	
			(use abb	i Calamon	s per oral		
						 	
Engine Code	Vehicle Models	Trans.	ETW	DPA		EGR	Catalyst
ر 41 م	CE anded one	(B/IS A/	or	or ·	(ECM/PCM)	System	Converter
ር ል /ለበርጥ/ደበርጥ	attachment)	etc.)	Test Wt.	RLHP	Part No.	Part No.	Part No.

Engine Code (also list CA/49ST/50ST	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalyst Converter Part No.
BPDB-MN			2875	7.2	Distributor: BPIA, B6BF	EGR Control	BPD3
BPDB-MC	Kia Sephia	M-5	2875	7.9	ECU: ZV88, ZT82(M/T) ZV89, ZT83(A/T)	Valve:	
BPDB-AN			2 875	6.7		B6BF	
BPDB-AC		A-4	2875	7.4			

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Revised :

Sec.17.02.00.00-2