State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-314-13
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 1997 model-year Kia Motors Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VKM2.01JG1EK Displacement: 2.0 Liters (121.9 Cubic inches)

Exhaust Emission Control Systems & Special Features:

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

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:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide(20°F)
0-3750	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:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide(20°F)
0-3750	50,000	0.18	2.0	0.1	5.6
	100,000	0.21	2.9	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 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 listed 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 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 23rd day of September 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-314-13

199 7 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Kia Motors Corporation Exh Eng Fam: VKM2.01JG1EK Evap Fam: VKM1105AYMEA
All Eng Codes in Eng Fam: CA X 49S___ 50S___ AB965___
Exh Std: CA Tier-1 X TLEV___ LEV___ ULEV___ ZEV___; US EPA Tier-1 X
Evap Std: 50K___ Useful Life with R/L X In-Use Exh Std: Full In Use X Alt In Use___
Vehicle Class(es): PC___ LDT1 X LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ M85___ Gasoline X Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify)___
Emission Test Fuel(s): Indo X Ph2___ CNG___ LPG___ M85___ Other (specify)___
Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40CFR 86.113-94___
Service Accum: Std AMA X Mod AMA___ Mfr ADP___ Other (specify)___
NMOG Test Procedure: N/A X Std___ Equiv___ R/L Test Proc: SHED X Pt Source___
Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine):___
Engine Configuration: I-4 Displacement: 2.0 Liters 121.9 Cubic Inches
Valve per Cylinder: 4 Rated HP: 130 @ 5500 RPM
Engine: Front X Mid___ Rear___ Drive: FWD___ RWD X*1 4WD-FT___ 4WD-PT X
Exhaust ECS (e.g., MFI, EGR, TC, CAC): SFI, TWC, EGR, HO2S(2)
(use abbreviations per **SAE J1930 SEP91**)

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.
7FED-MN	SPORTAGE	M5	3500	10.2	ECU : K01C 18 881	EGR Control Valve : K01A 20 300A	K01E 20 600
			3625	11.3			
7FED-MC			3500	11.2			
			3625	12.4			
7FED-AN		A4	3500	10.1			
			3625	10.3			
7FED-AC			3500	11.1			
			3625	11.3			

*1: Sportage 2WD

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