

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-281-B
Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

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 1995 model-year Nissan Motor Company, Ltd. exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: SNS2.41JGFEA Displacement: 2.4 Liters (145.8 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Three Way Catalytic Converter
- Pulsed Secondary Air Injection
- Oxygen Sensor
- Exhaust Gas Recirculation
- Sequential Multiport Fuel Injection

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

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0-3750	50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)
	100,000	0.31 (n/a)	4.2 (n/a)	n/a

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

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
0-3750	50,000	0.12	0.7	0.2
	100,000	0.13	0.7	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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 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 the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

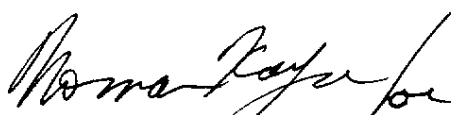
BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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.).

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 August, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: NISSAN MOTOR CO., LTD. Exh Engine Family: SNS2.41JGFEA 1/
 Evap Std: 50K Useful Life with R/L X Evap Engine Family: SNS1110BYM1A
 Exh Std: Tier-0 Tier-1 X TLEV LEV GLEV ZEV ; EPA Tier-0 Tier-1 X
 Veh 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)
 Exh Cert Fuel(s): Indo Ph2 X Diesel: 13 CCR 2282 or 40CFR 86.113-90 or -94
 M85 CNG LPG Other (specify)
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel M85
 CNG LNG LPG Other (specify)
 Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine)
 Engine Configuration: L4 Displacement: 2.4 Liters 145.8 Cubic Inches
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/PAIR/O2S/EGR/SFI

(use abbreviations per SAE J1930 SEP91)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list (if coded see	: attachment)	A-automatic	Test	RLHP	Part No.	Part No.	Part No.
: 5OST)		M-manual	Wt				
AK24ECM1 (CA)	NISSAN 4 X 2 REGULAR CAB TRUCK		3250	12.9	MECM-E210		
					(Before		
	NISSAN 4 X 2 KING CAB TRUCK		3375	12.0	S241JGFE -01) EGR		
		M5			MECM-E211	Valve	
					(After		Axxx2
BM24ECM1 (CA)	NISSAN 4 X 2 REGULAR CAB TRUCK		3250	11.7	R/C No. AESA S241JGFE: 123-21		Sxxx1
					-01) 2/		
	NISSAN 4 X 2 KING CAB TRUCK		3375	10.9			

2/ With R/C No. S241JGFE-01

Issue Date : 06/15/94
Revision Date : 1/ 07/26/94 2/ 11/10/94

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

(Cont.)

Engine Code: (also list : CA/49ST/ 5PST)	Vehicle Models: (if coded see : attachment)	Trans. Type: A-automatic: M-manual	ETW : Test:	DPA : RLHP	Ignition : (ECMPCM) Part No.	EGR : System Part No.	Catalytic: Converter: Part No.
AK24ECM1 (CA)	NISSAN 4 X 2 FRONTIER STD REGULAR CAB TRUCK		3250	12.9	ECM MECM-E211	EGR Valve AESA 123-21	Axxx2 Sxxx1
		M5					
BK24ECM1 (CA)	NISSAN 4 X 2 FRONTIER STD REGULAR CAB TRUCK		3250	11.7			

Issue Date : 11/21/95
Revision Date :

*This page is an addition
to add 'Frontier' trim/model*