

R. Ramirez

Ruthos

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-270
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 Co., Ltd. exhaust emission control systems are certified as described below for passenger cars:

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

Fuel Type: Gasoline

Engine Family: SNS1.6VJG2EK Displacement: 1.6 Liters (97.5 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Three Way Catalytic Converter
- Heated Oxygen Sensors (two)
- Exhaust Gas Recirculation
- Sequential Multiport Fuel Injection
- On-Board Diagnostic II

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:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.125	3.4	0.4	0.015
100,000	0.156	4.2	0.6	0.018

Reactivity Adjustment Factor for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1995 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>
50,000	0.071	1.2	0.1	0.001
100,000	0.073	1.4	0.1	0.001

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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" 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 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."

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 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 27th day of October, 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: SNS1.6VJG2EK
 Evap Std: 50K X Useful Life with R/L Evap Engine Family: SNS1030BYMOA
 Exh Std: Tier-0 Tier-1 TLEV X LEV ULEV ZEV ; EPA Tier-0 Tier-1
 Veh Class(es): PC X LDT1 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: 1.6 Litters 97.5 Cubic Inches
 Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/HO2S(2)/EGR/SFI, OBD2
 (use abbreviations per SAE J1930 SEP91)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list : CA/49ST/ 50ST)	(if coded see : attachment)	: A-automatic : M-manual	: Test : Wt :	: or : or :	: (ECM/PCM) : (UNISIA) : JECs)	: System : AEY : 77-95	: Converter : Part No. : Part No. : Part No. :
AG16DCM1 (CA)	200SX	M5	6.7**	2625	7.0**	ECM	
	4-DOOR					JA18-B73	EGR
						(AUTECS)	Valve
	200SX SE		6.9**			A18-B77	
				2750	7.0***	JECs)	1M5
	SENTRA XE		7.0**				
w/AC	4-DOOR						

* With P155R13 tire
 ** With P175/70R13 tire
 *** With P175/65R14 tire

Issue Date : 08/05/94
 Revision Date :

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	A-automatic M-manual	or	or	(ECM/PCM)	System	Converter
		Test	RLHP	Part No.	Part No.	Part No.	
			Wt				
AG16DCM1 (CA)	SENTRA GXE 4-DOOR						
			2750	7.0**			
w/AC	SENTRA GLE 4-DOOR						
BG16DCM1 (CA)	SENTRA 4-DOOR			6.1*	ECM		
				6.4**	JA18-B73		
					(AUTECS)		
	200SX	M5		6.3**	A18-B77		
			2625		(UNISIA		
	200SX SE			6.4***	JECS)		
	SENTRA XE 4-DOOR						
				6.4**			
w/out AC	SENTRA GLE 4-DOOR		2750				
	200SX			6.7***		EGR Valve	
							1M5
	200SX SE					AEY	
						77-95	
	SENTRA 4-DOOR						
AG16DCA1 (CA)	SENTRA XE 4-DOOR						
				6.7**			
	SENTRA GXE 4-DOOR				JA18-B74		
					(AUTECS)		
	SENTRA GLE 4-DOOR	L4	2750		A18-B78		
w/AC					(UNISIA		
					JECS)		
	200SX			6.1***			
	200SX SE						
BG16DCA1 (CA)	SENTRA 4-DOOR						
	SENTRA XE 4-DOOR			6.1**			
	SENTRA GXE 4-DOOR						
w/out AC							

* With P155R13 tire
 ** With P175/70R13 tire
 *** With P175/65R14 tire

Issue Date : 08/05/94
 Revision Date :

1995 MODEL-YEAR CERTIFICATION REVIEW SHEET

EXHAUST/EVAPORATIVE SYSTEM & CALIFORNIA REQUIREMENTS
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

22.27

Manufacturer: NISSAN MOTOR CO., LTD.

Exh Engine Family: SNS1.6VJG2EK

All Eng Codes in Eng Fam: CA X 49S 50S

Evap Engine Family: SNS1030BYMOA

Exh Std: Tier-0 Tier-1 TLEV X LEV ULEV ZEV ; EPA Tier-0 Tier-1

Evap Std: 50K X Useful Life with R/L In-Use Exh Std: Full In Use Alt In Use X

Veh Class(es): PC X LDT1 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: 1.6 Litters 97.5 Cubic Inches

Valves per Cylinder: 4 Rated HP: 115 @ 6000 RPM

Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT

(Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/HO2S(2)/EGR/SFI OBD2

(use abbreviations per SAE J1930 SEP91)

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