File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-325
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 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: XNSXV03.026A Displacement: 3.0 Liters (182 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Warm Up Three Way Catalytic Converter
Three Way Catalytic Converters (two)
Dual Heated Oxygen Sensors (two)
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection

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

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gases (NMOG) reflect application of a 0.98 RAF for 1999 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane Organic Gases	Carbon Monoxide	Oxides of Nitrogen	Formaldehyde	Carbon Monoxide (20°F)
50,000	0.066	0.8	0.1	0.001	6.9
100,000	0.080	1.1	0.1	0.002	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 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 "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 and Smog Index 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 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.).

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 June 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

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17.11.01 1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: NISSAN MOTOR CO., LTD. Exh Eng Fam: XNSXV03.026A Evap Fam: XNSXR0110RCB

All Engine Codes in Engine Fam: CA X 49S ___ 50S ___ AB965 ___ , ORVR : Yes X No ___

Exh Std: CA Tier-1 ___ TLEV X LEV ___ ULEV ___ SULEV ___ , US EPA 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)

Fuel Type(s): Dedicated X Flex-Fuel ___ Dual-Fuel ___ Bi-Fuel ___ Gasoline X Diesel ___

CNG ___ LNG ___ LPG ___ M85 ___ Other (specify)_____

Exh Emiss Test Fuel(s): Indo ___ CBG X CNG ___ LPG ___ M85 ___ Other(specify)_____

Diesel: 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 ___

Evaporative Emission Test Procedure : California ___ Federal X

Service Accum: Std AMA ___ Mod AMA ___ Mfr ADP X Other (specify)_____

NMOG Test Procedure: N/A ___ Std X Equiv ___ R/L Test Proc: SHED ___ Pt Source X

Engine Configuration: V6 Displacement: 3.0 Litters 182.3 Cubic Inches

Valves per Cylinder: 4 Rated HP: 190 @ 5600 RPM

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

Exhaust ECS (eg., EGR, MFI, TC, CAC): WUTWC/TWC(2)/2HO2S(2)/EGR/SFI
(use abbreviations per SAE J1930 JUN93)

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PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES (cont'd)

Manufacturer: NISSAN MOTOR CO.,LTD. Exh Eng Fam: XNSXV03.026A Evap Fam: XNSXR0110RCB

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.	Catalytic Converter Part No.
AV30DCA1 (CA)	INFINITI I30 4-DOOR SEDAN STANDARD	A4	3500	8.3	ECM A18-J57 (for H tire, without TCS)	EGR Valve AMV51-01	WUTWC: 4L8 TWC:4L9, 4L7
	INFINITI I30 4-DOOR SEDAN LEATHER-APPOINTED				A18-J58 (for H tire, with TCS)		
					A18-J60 (for S tire, without TCS)		
	INFINITI I30 4-DOOR SEDAN TOURING		3625		A18-J61 (for S tire, with TCS)		
	NISSAN MAXIMA 4-DOOR SEDAN GXE		3500	7.9			
	NISSAN MAXIMA 4-DOOR SEDAN GLE						
	NISSAN MAXIMA 4-DOOR SEDAN SE						

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Manufacturer: NISSAN MOTOR CO.,LTD. Exh Eng Fam: XNSXV03.026A Evap Fam: XNSXR0110RCB

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.	Catalytic Converter Part No.
AV30DCM1 (CA)	INFINITI I30 4-DOOR SEDAN STANDARD	M5	3500	8.1	ECM A18-J56 (for H tire) A18-J59 (for S tire)	EGR Valve AMV51-01	WUTWC: 4L8 TWC:4L9, 4L7
	INFINITI I30 4-DOOR SEDAN TOURING						
	NISSAN MAXIMA 4-DOOR SEDAN GXE		3375	7.8			
	NISSAN MAXIMA 4-DOOR SEDAN SE						

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