State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-318
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 1998 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for light-duty trucks:

Emission Standard Category: Low Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: WNSXT03.335A Displacement: 3.3 Liters (199.8 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Dual 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 non-methane organic gas (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.100	4.4	0.4	0.018	12.5
	100,000	0.130	5.5	0.5	0.023	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1998 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight (lbs.)	Miles	NMOG	CO	NOx	HCHO	CO (20°F)
3751-5750	50,000	0.050	0.7	0.2	0.001	6.3
	100,000	0.051	0.7	0.2	0.001	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 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 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.).

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.

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 4th day of August 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

E.O.# A-15-318
Page 1

17.11.01 1998 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: WNSXT03.335A Evap Fam: WNSXE0110MBA

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

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

Veh Class(es): PC ___ LDT1 ___ LDT2 X 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 X Mod AMA ___ Mfr ADP ___ Other (specify)_____

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

Engine Configuration: V6 Displacement: 3.3 Litters 199.8 Cubic Inches

Valves per Cylinder: 2 Rated HP: 168 @ 4800 RPM

Engine: Front X Mid ___ Rear ___ Drive: FWD ___ RWD X* 4WD-FT X* 4WD-PT X* 1/
*RWD is applicable to the Pathfinder 2WD only
4WD-FT is applicable to the QX4 only
4WD-PT is applicable to the Pathfinder only

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

Continued on next page

Issue Date : 05/15/97
Revision Date : 1/ 07/23/97

E.O.# A-15-318
Page 2

17.11.01 1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES (cont'd)

Manufacturer: NISSAN MOTOR CO., LTD. Exh Eng Fam: WNSXT03.335A Evap Fam: WNSXE0110MBA

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.
AV33ECA1 (CA)	NISSAN PATHFINDER 2WD XE	A4	4250	14.7	ECM MECM-W430	EGR VALVE VASA005	Fr. (RH) 0W5 (LH) 0W5 Rr. (RH) 1W6 (LH) 1W6
	NISSAN PATHFINDER 2WD LE						
	NISSAN PATHFINDER 4WD XE		4500	16.1			
	NISSAN PATHFINDER 4WD LE						
	NISSAN PATHFINDER 4WD SE			16.6			
	INFINITI QX4 4WD LE			15.3			
BV33ECA1 (CA)	NISSAN PATHFINDER 2WD XE		4250	13.4			
	NISSAN PATHFINDER 4WD XE		4500	14.6			
	NISSAN PATHFINDER 4WD SE			15.1			

Issue Date : 05/15/97
Revision Date :

E.O.# A-15-318
Page 3

17.11.01 1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES (cont'd)

Manufacturer: NISSAN MOTOR CO.,LTD. Exh Eng Fam: WNSXT03.335A Evap Fam: WNSXE0110MBA

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.
AV33ECM1 (CA)	NISSAN PATHFINDER 2WD XE	M5	4000	14.7	ECM MECM-W420	EGR VALVE VASA005	Fr. (RH) 0W5 (LH) 0W5 Rr. (RH) 1W6 (LH) 1W6
	NISSAN PATHFINDER 4WD XE		4500	16.0			
	NISSAN PATHFINDER 4WD SE			17.4			
BV33ECM1 (CA)	NISSAN PATHFINDER 2WD XE		4000	13.4			
	NISSAN PATHFINDER 4WD XE		4500	14.5			
	NISSAN PATHFINDER 4WD SE			15.8			

Issue Date : 05/15/97
Revision Date :