State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-297
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 1996 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for light-duty trucks:

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

Fuel Type: Gasoline

Engine Family: TNS3.328G2EK Displacement: 3.3 Liters (199.8 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

Vehicle models, transmission codes, 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) TLEV 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	0.160	4.4	0.7	0.018	12.5
	100,000	0.200	5.5	0.9	0.023	n/a

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

The certification exhaust emission values set forth for NMOG reflect application of a 0.98 RAF for 1996 model-year TLEVs. The TLEV 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	0.091	0.9	0.2	0.001	8.5
	100,000	0.094	1.0	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 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 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 26th day of October 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A15-297

1996 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: TNS3.328G2EK Evap Fam: TNS1057BYMBA

All Eng Codes in Eng Fam: CA X 49S 50S AB965

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

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

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 Flex-Fuel Dual-Fuel Bi-Fuel Gasoline X Diesel

CNG LNG LPG M85 Other (specify)

Emiss Test Fuel(s): Indo Ph2 X CNG LPG M85 Other (specify)

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

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

Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)

Engine Configguration: 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 4WD-PT X

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

(use abbreviations per SAE J1930 SEP91)

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Issue Date : 08/04/95
Revision Date :

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES
(Continued)

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	PATHFINDER 2WD XE PATHFINDER 2WD LE	A4		14.3	ECM MECM-W280 (Before R/C No. T3328G2E-01) MECM-W181 (After R/C No. T3328G2E-01) 1/		
BV33ECA1	PATHFINDER 2WD XE			13.0	(Before F/F No. T3328G2E-03) MECM-W182 (After F/F No. T3328G2E-03) 2/	EGR Valve AEY 77-92	OW5
AV33ECM1	PATHFINDER 2WD XE	M5	4000	14.6	ECM MECM-W270 (Before R/C No. T3328G2E-01)		
BV33ECM1				13.3	MECM-W171 (After R/C No. T3328G2E-01) 1/ (Before F/F No. T3328G2E-03) MECM-W172 (After F/F No. T3328G2E-03) 2/		

1/ With R/C No. T3328G2E-01
2/ With F/F No. T3328G2E-03

Issue Date : 08/04/95
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1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES
(Continued)

Manufacturer: NISSAN MOTOR CO., LTD. Exh Eng Fam: TNS3.328G2EK Evap Fam: TNS1057BYMBA

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	PATHFINDER 4WD LE PATHFINDER 4WD XE PATHFINDER 4WD SE	A4	4250	16.0 16.6 14.5 15.1	ECM MECM-W280 (Before R/C No. T3328G2E-01) MECM-W181 (After R/C No. T3328G2E-01) 1/ (Before F/F No. T3328G2E-03) MECM-W182 (After F/F No. T3328G2E-03) 2/	EGR Valve AEY 77-92	OW5
BV33ECA1	PATHFINDER 4WD XE PATHFINDER 4WD SE						
AV33ECM1	PATHFINDER 4WD XE PATHFINDER 4WD SE	M5		16.1 17.2 14.6 15.6	ECM MECM-W270 (Before R/C No. T3328G2E-01) MECM-W171 (After R/C No. T3328G2E-01) 1/ (Before F/F No. T3328G2E-03) MECM-W172 (After F/F No. T3328G2E-03) 2/		
BV33ECM1	PATHFINDER 4WD XE PATHFINDER 4WD SE						

1/ With R/C No. T3328G2E-01
2/ With F/F No. T3328G2E-03
Issue Date : 08/04/95
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