

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-319
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:

Fuel Type: Gasoline

Engine Family: WNSXT03.0A4A Displacement: 3.0 Liters (180.6 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Warm Up Three Way Catalytic Converter
- Three Way Catalytic Converter
- 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 certification exhaust emission standards 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>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.32	4.4	0.7	12.5
	100,000	0.40	5.5	0.97	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>	<u>Carbon Monoxide (20°F)</u>
3751-5750	50,000	0.16	1.1	0.3	6.2
	100,000	0.19	1.3	0.31	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 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 "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 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 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 27th day of May 1997.


R. B. Summerfield, Chief
Mobile Source Operations Division

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: WNSXT03.0A4A Refueling Fam: WNSXE0110MBA

All Eng Codes in Eng Fam: CA 49S 50S AB965 , ORVR :YES NO

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

Veh Class(es): PC 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 Flex-Fuel Dual-Fuel Bi-Fuel Gasoline Diesel

CNG LNG LPG M85 Other (specify)

Exh Emiss Test Fuel(s): Indo CBG 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

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

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

Engine Configuration: V6 Displacement: 3.0 Liters 180.6 Cubic Inches

Valves per Cylinder: 2 Rated HP: 151 @ 4800 RPM

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

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

(use abbreviations per SAE J1930 JUN93)

1998 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: WNSXT03.0A4A Evap/Refueling Fam: WNSXE0110MBA

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	(M5,A4 etc.)	or	or	(ECM/PCM)	System	Converter
			Test Wt:	RLHP	Part No.	Part No.	Part No.
	QUEST XE		4250	11.1*	ECM		
	(7 Passengers)			10.4**	MECM-C600	EGR	TWC 1B0
					(Original)	Valve	
AV30EAA1	QUEST GXE			11.1*	MECM-C601	AEY77-78	WUTWC
(CA/49ST) <u>1</u> /				10.4**	(After R/C:		5xxx1
		L4			No.WT30A4A:		
	QUEST		4000	11.3	-02) <u>3</u> /		
	CARGO VAN						

* With P205/75R15 tire

**With P215/70R15 tire

2/ Supplemental data sheet is not changed by R/C No. WT30A4A-01 at all.

3/ With R/C No. WT30A4A-02