State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-306
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 1997 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VNS2.42JGKEK Displacement: 2.4 Liters (145.8 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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:

Loaded Vehicle Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
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:

Loaded Vehicle Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.13	1.3	0.26	5.2
	100,000	0.16	1.4	0.28	n/a

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 Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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 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 14th day of August 1996.

John Kowalski for

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-15-306

17.11.01 1997 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: VNS2.42JGKEK Evap Fam: VNS1110AYMEA

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

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

Evap Std: 50K ___ Useful Life with R/L X ___ 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 X ___ 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 X ___ Std ___ Equiv ___ R/L Test Proc: SHED ___ Pt Source X ___

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

Engine Configguration: L4 Displacement: 2.4 Litters 145.8 Cubic Inches

Valves per Cylinder: 4 Rated HP: 134 @ 5200 RPM

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

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

(use abbreviations per SAE J1930 SEP91)

Continued on the next page

1/ Supplemental data sheet is not changed by R/C No. V242JGKE-03 at all

Issue Date : 06/07/96
Revision Date : 1/11/11/96

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

Manufacturer: NISSAN MOTOR CO., LTD. Ext Eng Fam: VNS2.42JGKEK Evap Fam: VNS1110AYMEA

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.
AK24EAM2 AK24EAM2-R3 (CA)	NISSAN 4 x 4 XE REGULAR CAB TRUCK	M5	3875	16.0	ECM MECM-B231 (Before R/C No. V242JGKE-03) MECM-B232 (After R/C No. V242JGKE-03) 1/ (Before R/C No. V242JGKE-04) MECM-B234, MECM-B233 2/ (After R/C No. V242JGKE-04)	EGR Valve AEY77-41	2xx,xx2 2xx,xx3
	NISSAN 4 x 4 XE KING CAB TRUCK		4000				
	1/ NISSAN 4 x 4 SE KING CAB TRUCK						
BK24EAM2 BK24EAM2-R3 (CA)	NISSAN 4 x 4 XE REGULAR CAB TRUCK		3750	14.5			
	NISSAN 4 x 4 XE KING CAB TRUCK		4000				
	1/ NISSAN 4 x 4 SE KING CAB TRUCK						

1/ With R/C No. V242JGKE-03
2/ With R/C No. V242JGKE-04

Issue Date : 06/07/96
Revision Date : 1/11/11/96 2/12/09/96