

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-302  
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 passenger cars:

Fuel Type: Gasoline

Engine Family: VNS3.0VJGF EK Displacement: 3.0 Liters (182.3 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Dual Warm Up Three Way Catalytic Converters
- Three Way Catalytic Converter
- Dual Heated Oxygen Sensors
- Heated Oxygen Sensor
- 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>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.09	0.5	0.2	6.5
100,000	0.11	0.6	0.2	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 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 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 "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 18 day of July 1996.

  
R. B. Summerfield *for*  
Assistant Division Chief  
Mobile Source Division

17.11.01-1

17.11.00 Supplemental Data Sheet

E.O.#A-15-302

.01 1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: NISSAN MOTOR CO., LTD. Exh Eng Fam: VNS3.0VJGFEK EvapFam: 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 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)\_\_\_\_\_

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

Diesel: 13 CCR 2282\_\_\_ 40 CFR 86.113-90\_\_\_ 40 CFR 86.113-94\_\_\_

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

NMOG Test Procedure: N/A X Std\_\_\_ Equip\_\_\_ R/L Test Proc: SHED\_\_\_ Pt Source X

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

Engine Configuration: V6 Displacement: 3.0 Liters 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): 2WO/TWC/TWC/2HO2S/HO2S/EGR/SFI  
(use abbreviations per SAE J1930 SEP91)

2/ Supplemental data sheet is not changed by R/C No. V30VJGFE-04 at all.

3/ Supplemental data sheet is not changed by R/C No. V30VJGFE-05 at all.

Issue Date : 06/07/96

Revision Date : 1/ 07/17/96 2/ 09/20/96 3/11/04/96

17.11.01 1997 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: VNS3\_0VJGFEK Evap Fam: VNS1110AYMEA

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	(M5,A4 etc.)	or	(ECM/PCM)	System	Converter	
		Test Wt:	RLHP	Part No.	Part No.	Part No.	
AV30DAA1	NISSAN	A4	3500	7.9	ECM		
(50ST)	MAXIMA				A18-F56		
	4-DOOR SEDAN				(for H		
	GXE				Tyre)		
	NISSAN				A18-F58		
	MAXIMA				(for S	EGR	WUTWC:
	4-DOOR SEDAN				Tyre)	Valve	41U
	GLE				(Before	AEY77	TWC:OL7
					R/C No.	-69	
					V30VJGFE:		
	INFINITI I30				-05)		
	4-DOOR SEDAN				A18-H09		
	LEATHER-				(for H		
	APPOINTED				Tyre)		
				8.3	A18-H11		
	INFINITI I30				(for S		
	4-DOOR SEDAN				Tyre)		
	STANDARD				(After		
					R/C No.		
	NISSAN				V30VJGFE:		
	MAXIMA				-05) 2/		
	4-DOOR SEDAN				(Before		
	SE				R/C No.		
					V30VJGFE:		
	INFINITI I30				-06)		
	4-DOOR SEDAN				A18-H45		
	TOURING				(for H		
					Tyre)		
					A18-H47		
					(for S		
					Tyre)		
					(After		
					R/C No.		
					V30VJGFE:		
					-06) 3/		

- 1/ Supplemental data sheet is not changed by R/C No. V30VJGFE-04 at all.
- 2/ With R/C No. V30VJGFE-05
- 3/ With R/C No. V30VJGFE-06

17.11.01 1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Esh Eng Fam: VNS3 0VJGFEK Evap Fam: VNS1110AYCEA

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	(MS, A4 etc.)	or	or	(ECM/PCM)	System	Converter
			Test Wt:	RLHP	Part No.	Part No.	Part No.
AV30DAM1	NISSAN	MS	3375		ECM	EGR	WUTWC:
	MAXIMA			7.8	A18-P55	Valve	41U
	4-DOOR SEDAN				(for K	AEY77	TWC:0L7
	GXE				Tyre)	-69	
	NISSAN				A18-P57		
	MAXIMA			8.3	(for S		
	4-DOOR SEDAN				Tyre)		
	SE				(Before		
	INFINITI I30		3500		R/C No.		
	4-DOOR SEDAN				V30VJGFE:		
	STANDARD			8.1	-05)		
	INFINITI I30				A18-H08		
	4-DOOR SEDAN				(for K		
	TOURING				Tyre)		
					A18-H10		
					(for S		
					Tyre)		
					(After		
					R/C No.		
					V30VJGFE:		
					-05) 2/		
					(Before		
					R/C No.		
					V30VJGFE:		
					-06)		
					A18-H44		
					(for K		
					Tyre)		
					A18-H46		
					(for S		
					Tyre)		
					(After		
					R/C No.		
					V30VJGFE:		
					-06) 2/		

1/ Supplemental data sheet is not changed by R/C No. V30VJGFE-04 at all.  
 2/ With R/C No. V30VJGFE-05  
 3/ With R/C No. V30VJGFE-06