

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-286  
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 passenger cars:

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

Fuel Type: Gasoline

Engine Family: TNS1.6VJG2EK Displacement: 1.6 Liters (97.5 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 TLEV certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

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

The certification exhaust emission values set forth for non-methane organic gas (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:

<u>Miles</u>	<u>Non-Methane Organic Gas</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.071	1.2	0.1	0.001	4.5
100,000	0.073	1.4	0.1	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 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 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.

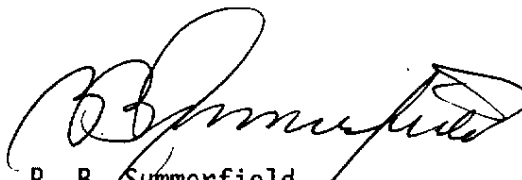
BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

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.).

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 12<sup>th</sup> day of July 1995.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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: TNS1.6VJG2EK Evap Fam: TNS1030BYMAA  
 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 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 Std X Equiv R/L Test Proc: SHED Pt Source  
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Configuration: I4 Displacement: 1.6 Liters 97.5 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 115 @ 6000 RPM  
 Engine: Front X Mid Rear Drive: FWD X RWD 4WD-FT 4WD-PT  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/HO2S(2)/EGR/SFI

(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc)	ETW or Test Wt	DPA or RHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
	SENTRA 4-DOOR		2625	6.7* 7.0**	ECM		
AG16DCM1 (CA)	200SX	M5		6.9** 6.9***	JAI8E55 (AU7ECS) A18-E59	EGR Valve	
	200SX SE		2750	6.9** 7.0***	(UNISIA JECS)	AEY 77-95	M5
	SENTRA XE 4-DOOR			7.0**			

Issue Date : 04/28/95  
 Revision Date : 1/ 05/17/95

\* With P155R13 tire  
 \*\* With P175/70R13 tire  
 \*\*\* With P175/65R14 tire

See next page

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: TNS1.6VJG2EK Evap Fam: TNS1030BYMAA

Engine Code	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	(M5, A4 etc)	Test	or	(ECM/PCM)	System	Converter
			Wt	RLHP	Part No.	Part No.	Part No.
	SENTRA 4-DOOR		6.7*				
AG16DCM1 (CA)	200SX	M5	2625:7.0**		JA18E55	EGR	
					(AUTECS)	Valve	
					A18-E59		
					(UNISIA		1M5
	200SX SE		6.9**		JECS)	AEY	
			2750:7.0***		(Before	77-95	
					R/C No.		
	SENTRA XE 4-DOOR		7.0**		T16VJG2E		
					-03)		
					JA18H50		
AG16DCM1 (CA)	SENTRA GXE 4-DOOR		7.0**		(AUTECS)		
					(After		
			2750:		R/C No.		
	SENTRA GLE 4-DOOR		7.0***		T16VJG2E		
					-03) 4/		
	SENTRA 4-DOOR		6.1*			EGR	
			6.4**			Valve	
							1M5
	200SX	M5	6.3**			AEY	
			6.3***			77-95	
			2625:				
			6.3**				
BG16DCM1 (CA)	200SX SE		6.4***				
	SENTRA XE 4-DOOR		6.4**				
	SENTRA GXE 4-DOOR		2750:				
	SENTRA GLE 4-DOOR		6.4***				

\* With P155R13 tire  
\*\* With P175/70R13 tire  
\*\*\* With P175/65R14 tire

2/ Supplemental data sheet is not changed by R/C No. T16VJG2E-01 at all.  
3/ Supplemental data sheet is not changed by F/F No. T16VJG2E-02 at all.  
4/ With F/F No. T16VJG2E-03

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: TNS1.6VJG2EK Evap Fam: TNS1030BYMAA

Engine Code:	Vehicle Models:	Trans.	ETW	DPA	Ignition	EGR	Catalytic:
(also list : CA/49ST/ 50ST)	(if coded see : attachment)	(M5,A4 etc)	Test:	RLHP	(ECM/PCM):	System	Converter:
			Wt		Part No.	Part No.	Part No.
	200SX			6.7**	JA18E56		
				6.7***	(AUTECS)		
	200SX SE				A18-E60		
					(UNISIA		
	SENTRA 4-DOOR:				JECS)		
					(Before		
AG16DCA1	SENTRA XE				R/C No.		
(CA)	4-DOOR				T16VJG2E		
				6.7**	-03)		
	SENTRA GXE				JA18H51		
	4-DOOR				(AUTECS)	EGR	
					(After	Valve	
	SENTRA GLE	A4	2750	6.7***	R/C No.		1M5
	4-DOOR				T16VJG2E	AEY	
					-03) 4/	77-95	
	200SX			6.1**			
				6.1***			
	200SX SE						
BG16DCA1	SENTRA 4-DOOR:						
(CA)							
	SENTRA XE			6.1**			
	4-DOOR						
	SENTRA GXE						
	4-DOOR						
	SENTRA GLE			6.1***			
	4-DOOR						

\* With P155R13 tire  
\*\* With P175/70R13 tire  
\*\*\* With P175/65R14 tire

2/ Supplemental data sheet is not changed by R/C No. T16VJG2E-01 at all.  
3/ Supplemental data sheet is not changed by F/F No. T16VJG2E-02 at all.  
4/ With F/F No. T16VJG2E-03