

File

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-295  
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:

Fuel Type: Gasoline

Engine Family: TNS2.41JG1EK 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:

<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>
0-3750	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>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>
0-3750	50,000	0.11	0.4	0.3	3.9
	100,000	0.12	0.4	0.3	n/a

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 "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 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.).

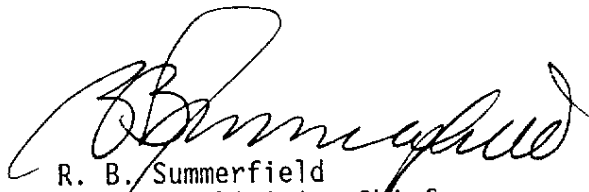
Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

NISSAN MOTOR CO., LTD.

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The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 26<sup>th</sup> day of October 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: TNS2.41JG1EK Evap Fam: TNS1110AYMEA  
 All Eng Codes in Eng Fam: CA X 49S 50S AB965  
 Exh Std: CA Tier-1 X TLEV LEV ULEV ZEV ; US EPA Tier-1  
 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 X 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 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 Equip R/L Test Proc: SHED Pt Source X  
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Configuration: 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 X 4WD-FT 4WD-PT  
 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 F/F No. T241JG1E-02 at all.

Issue Date : 09/29/95  
Revision Date : 1/11/11/96

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Ext Eng Fam: TNS2.41JG1EK Evap Fam: TNS1110AYMEA

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) Part No.	System Part No.	Converter Part No.
			Wt				
	NISSAN 4 x 2						
	FRONTIER STD	1/					
	REGULAR						
	CAB TRUCK						
			3250	12.4			
	NISSAN 4 x 2						
	XE REGULAR						
	CAB TRUCK				ECM		
AK24ECM1					MECM-B210:		
(CA)	NISSAN 4 x 2				(Before		
	XE KING CAB		3375		F/F No.		
	TRUCK				T241JG1E-		
				12.5	02)		
	NISSAN 4 x 2				MECM-B212:		
	SE KING CAB		3500		(After		
	TRUCK				F/F No.	EGR	
		M5			T241JG1E-	Valve	2xx,xxE
	NISSAN 4 x 2				02) 3/		2xx,xx3
	FRONTIER STD	1/			(Before	AEY77-41:	
	REGULAR				F/F No.		
	CAB TRUCK				T241JG1E-		
			3250	11.3	03)		
	NISSAN 4 x 2				MECM-B214:		
	XE REGULAR				MECM-B213:		
	CAB TRUCK				4/		
BK24ECM1					(After		
(CA)	NISSAN 4 x 2				F/F No.		
	XE KING CAB		3375		T241JG1E-		
	TRUCK				-03)		
				11.4			
	NISSAN 4 x 2						
	SE KING CAB		3500				
	TRUCK						

2/ Supplemental data sheet is not changed by R/C No. T241JG1E-01 at all.  
 3/ With F/F No. T241JG1E-02  
 4/ With F/F No. T241JG1E-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: TNS2.41JG1EK Evap Fam: TNS1110AYMEA

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.
AK24ECA1 (CA)	NISSAN 4 x 2 XE REGULAR CAB TRUCK		3375	12.4			
	NISSAN 4 x 2 XE KING CAB TRUCK		3500	12.5			
	NISSAN 4 x 2 SE KING CAB TRUCK					EGR Valve	
BK24ECA1 (CA)	NISSAN 4 x 2 XE REGULAR CAB TRUCK	L4	3250	11.3	MECM-B120: (Before F/F No.	AEY77-41: 1/	2xx,xxE 2xx,xx3
	NISSAN 4 x 2 XE KING CAB TRUCK		3375		T241JG1E-: 02): MECM-B222:		
	NISSAN 4 x 2 SE KING CAB TRUCK		3500	11.4	(After F/F No. T241JG1E-: 02): 3/		
					(Before F/F No. T241JG1E-: 03) MECM-B124: MECM-B223: 4/ (After F/F No. T241JG1E-: 03)		

2/ Supplemental data sheet is not changed by R/C No. T241JG1E-01 at all.  
3/ With F/F No. T241JG1E-02 4/ With F/F No. T241JG1E-03

Issue Date : 09/29/95  
Revision Date : 1/ 01/11/96 2/ 02/23/96 3/ 11/11/96 4/ 12/09/96