

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-284  
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That Nissan Motor Co., Ltd. 1995 model-year exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: SNS3.028GEEA      Displacement: 3.0 Liters (180.6 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

- Three Way Catalytic Converter
- Warm Up Three Way Catalytic Converter
- 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 (alternative in-use compliance standards in parentheses) 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>
3751-5750	50,000	0.32 (.41)	4.4 (6.7)	0.7 (n/a)
	100,000	0.40 (n/a)	5.5 (n/a)	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>
3751-5750	50,000	0.20	2.3	0.3
	100,000	0.22	2.5	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 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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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" (Title 13, California Code of Regulations, Section 2235) for the aforementioned model year.

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

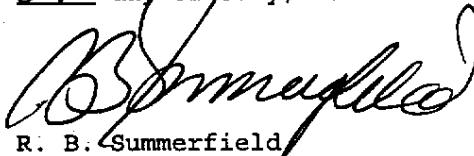
BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines," Title 13, California Code of Regulations, Section 1968.1(m) (2.0) 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 27<sup>th</sup> day of July, 1994.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Exh Engine Family: SNS9.028GEEA  
 Evap Std: 50K X Useful Life with R/L Evap Engine Family: SNS1057BYMOB  
 Exh Std: Tier-0 Tier-1 X TLEV LEV ULEV ZEV ; EPA Tier-0 Tier-1  
 Veh Class(es): PC LDT1 LDT2 X MDV1 MDV2 MDV3 MDV4 MDV5  
 Single Cart Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV  
 Exh Cart Fuel(s): Indo X Ph2 Diesel: 19 CCR 2282 or 40CFR 86.113-90 or -94  
 M85 CNG LPG Other (specify)  
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel M85  
 CNG LNG LPG Other (specify)  
 Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Configuration: V6 Displacement: 3.0 Liters 180.6 Cubic Inches  
 Engine: Front X Mid Rear Drive: FWD RWD 4WD-FT 4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/WUTWC/HO2S/EGR/SFI

(use abbreviations per SAE J1930 SEP91)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list : : CA/49ST/ : 50ST)	(if coded see : attachment)	A-automatic : M-manual	Test: RLHP : Wt	or : or	(ECM/PCM) : Part No.	System : Part No.	Converter : Part No.
AV3CEAA1	NISSAN 4x4 XE-V6 KING CAB TRUCK	A4	4250		MECM-V220	AEY77-77	EGR Valve
	NISSAN 4x4 SE-V6 KING CAB TRUCK		4500				(WUTWC) 7xx, xx1
	NISSAN 4x4 XE-V6 KING CAB TRUCK			16.0			(TWC) 2xx, xxB
AV3CEAM1	NISSAN 4x4 SE-V6 KING CAB TRUCK	M5	4250		MECM-V237	AEY77-66	EGR Valve Bxx, xxE

\*\*\* The figures and numbers in the place of the mark x are variable according to lot number and production date.

Issue Date : 05/16/94

Revision Date :

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Manufacturer: NISSAN MOTOR CO., LTD. Exh Engine Family: SNS3.028GEEA  
 Evap Std: 50K X Useful Life with R/L Evap Engine Family: SNS1057BYMOB  
 Exh Std: Tier-0 Tier-1 X TLEV LEV ULEV ZEV ; EPA Tier-0 Tier-1 X  
 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)  
 Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40CFR 86.113-90 or -94  
 M85 CNG LPG Other (specify)  
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel M85  
 CNG LNG LPG Other (specify)  
 Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Configuration: V6 Displacement: 3.0 Liters 180.6 Cubic Inches  
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/WUTWC/HO2S/EGR/SFI

(use abbreviations per SAE J1930 SEP91)

Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list CA/49ST/50ST)	(if coded see attachment)	A-automatic; M-manual	Test: RLHP; Wt	or	or (ECM/PCM)	System	Converter:
					Part No.	Part No.	Part No.
AV30EAA1	NISSAN		16.0				
	PATHFINDER		4000				
BV30EAA1	XE-V6 4x2		14.5				
AV30EAA1	NISSAN		16.0				
	PATHFINDER		4250				(WUTWC)
BV30EAA1	XE-V6		14.5			EGR Valve	7xx,xx1
		A4			MECM-V260	AEY77-77	7xx,xx2
AV30EAA1	NISSAN		16.0				(TWC)
	PATHFINDER		4500				2xx,xxB
BV30EAA1	SE-V6		14.5				Bxx,xxE
AV30EAA1	NISSAN		16.0				
	PATHFINDER		4500				
BV30EAA1	LE-V6		14.5				

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 Evap Std: 50K X Useful Life with R/L Evap Engine Family: SNS1057BYMOB  
 Exh Std: Tier-0 Tier-1 X TLEV LEV ULEV 2EV ; EPA Tier-0 Tier-1  
 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, MDV5)  
 Exh Cert Fuel(s): Indo X Ph2 Diesel: 13 CCR 2282 or 40CFR 86.113-90 or -94  
 M85 CNG LPG Other (specify)  
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline X Diesel M85  
 CNG LNG LPG Other (specify)  
 Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Configuration: V6 Displacement: 3.0 Liters 180.6 Cubic Inches  
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT X  
 Exhaust ECS (eg., EGR, MFI, TC, CAC): TWC/WUTWC/HO2S/EGR/SFI

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Engine Code	Vehicle Models	Trans. Type	ETW	DPA	Ignition	EGR	Catalytic
(also list (if coded see attachment)		A-automatic	Test	RLHP	Part No.	Part No.	Part No.
CA/498T/50ST)		M-manual	Wt				***
AV30EAM1	NISSAN		16.0				
	PATHFINDER		4000				(WUTWC)
BV30EAM1	XE-V6 4x2		14.5				7xx,xx1
							7xx,xx2
AV30EAM1	NISSAN		16.0			EGR Valve	(TWC)
	PATHFINDER	M5	4250		MECM-V277	AEY77-66	2xx,xxB
BV30EAM1	XE-V6		14.5				Bxx,xxE
AV30EAM1	NISSAN		16.0				
	PATHFINDER		4500				
BV30EAM1	SE-V6		14.5				

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