State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-139
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 1988 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JNS2.4T5HBC6	2.4 (145.8)	Exhaust Gas Recirculation Air Injection - Valve Dual-Bed Catalyst Oxygen Sensor (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per mile	Nitrogen Oxides Grams per Mile
0-3750	0.39	9.0	1.0
3751-5750	0.50	9.0	1.0

The following are the certification emission values for this engine family:

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3750	0.11	2.6	0.5
3751-5750	0.15	4.1	0.4

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 loaded vehicle weight class were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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 Administrative Code, Section 2290) 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 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.) and, for the listed vehicles in the 0-3750 loaded vehicle weight class, with Health and Safety Code Section 43204.

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 31st day of August, 1987.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-15-139

17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5HBC6

Evaporative Family: TBI-5 Engine Type: In-line 4, OHC

Liters (CID): 2.4 (145.8)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor

Exhaust Emission Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
EM-Engine Modification
OC-Oxidation Catalyst System
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
EIC-Electronic Injection Control
TWC-Three-Way Catalyst System
ECC-Electronic Control Carburetor
ECCS-Electronic Concentrated Control System
WUOC-Warm-UP Oxidation Catalyst
WUTWC-Warm-UP Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve
CFI-Central Fuel Injection or Throttle Body Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
IC-Intercooler or aftercooler
MFI-Mechanical Fuel Injection
TC-Turbocharger
OBD-On-Board Diagnostics

VEHICLE MODELS:

Engine Code	Model	Transmission
AZ24ICM1 BZ24ICM1	VAN STD VAN XE VAN E	5-speed Manual
AZ24ICA1 BZ24ICA1	VAN STD VAN XE VAN E	4-speed automatic

Engine: Front X Mid. ____ Rear ____

Drive : FWD ____ RWD X 4WD Full Time ____ 4WD Part Time ____

Issue Date: 07/05/87
Revision Date:

17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-15-139

Passenger Cars ____ Light-Duty Trucks X Medium-Duty Vehicles ____ Gas X Diesel ____

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5HBC6
Liter (CID) : 2.4 (145.8) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC+OC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No	Catalyst *** Part No.
AZ24ICM1	VAN STD	M5	3375	Distributor D4P84-04	SPI Body Assembly RGA50-27	EGR Valve AEY76-88	D-xx,xxJ D-xx,xxK D-xx,xxE D-xx,xxF
	VAN E		3625	TOT80771 Control Unit MECS-C300 (MECS-C305)	Control Unit MECS-C300 (MECS-C305)		
	VAN XE		3750				
BZ24ICM1	VAN STD		3375				
	VAN XE		3625				
	VAN E		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

**EIW of these models are between 4000 - 5999 lbs.
***The figures and numbers in the place of the mark x are variable according to lot number and production date.

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17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars____Light-Duty Trucks__X__Medium-Duty Vehicles____Gas__X__Diesel____

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS2.4T5HBC6
Liter (CID) : 2.4 (145.8) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC+OC/CL/ECCS

Engine Code	Vehicle Models (If Coded see attachment) (Dyno Hp)	Trans. Type	Equiv. Test Weight	Ign. System (ECU) Part No.	Fuel System Part No.	EGR Valve Part No	Catalyst *** Part No.
AZ24ICA1	VAN STD	L4	3500	Distributor D4P84-04	SPI Body Assembly RGA50-28	EGR Valve AEY76-88	D-xx,xxJ D-xx,xxK D-xx,xxE D-xx,xxF
	VAN XE		3750 **	TOT80771 Control Unit MECS-C310 (MECS-C315)	Control Unit MECS-C310 (MECS-C315)		
	VAN E		3750				
BZ24ICA1	VAN STD		3375				
	VAN XE		3625				
	VAN E		3625				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

LVW 3751 - 5750
**~~EIW~~ of these models are between ~~4000~~ - ~~5999~~ lbs.

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

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