State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-118
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 1987 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
HNS2.4T5HBC2	145.8 (2.4)	Exhaust Gas Recirculation Air Injection - Valve Dual Bed Catalyst Heated 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:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0-3999	0.39	9.0	1.0

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.16	2.6	0.6

BE IT FURTHER RESOLVED: That the listed models 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 1981 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 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 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 23rd day of September, 1986.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-15-118

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., LTD.

Engine Family HNS2.4T5HBC2

Evaporative Family TBI-5

Engine Type In-line 4, OHC

Liters (CID) 2.4 Liter (145.8 CID)

ABBREVIATIONS

Ignition System

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

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
TR-Thermal Reactor
TWC-Three-Way Catalyst System
ECC-Electronic Control Carburetor
ECCS-Electronic Concentrated Control System

Special Features

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

l System

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

VEHICLE MODELS:

Engine Code	Model	Transmission
AZ24ICM1 BZ24ICM1	CARGO VAN STANDARD PASSENGER VAN E PASSENGER VAN XE	5-speed Manual
AZ24ICA1 BZ24ICA1	CARGO VAN STANDARD PASSENGER VAN E PASSENGER VAN XE	Automatic

Engine: Front X Mid. _____ Rear _____

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

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1987 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 HNS2.4T5HRC2

Liter (CID) 2.4 Liter (145.8 CID) Eng. Type In-line 4, OHC

Emission Control Sys. (Special Features) (CFI)/EGR/AIV/TWC+OC/CL/2 PLUG

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	CARGO VAN STANDARD (14.3)	M5	3375	DISTRIBUTOR: D4P84-04 (HITACHI) TOT80771 (MITSUBISHI) CONTROL UNIT: MECS-C100	CONTROL UNIT: MECS-C100 INJECTION BODY ASSEMBLY: RGA50-27	BPT Valve: ATI75-15 EGR Valve: AEY76-88	20802 17C00 20802 17C05 20802 17C70 20802 17C75
	PASSENGER VAN E (14.3)		3625				
	PASSENGER VAN XE (14.3)		3750				
BZ24ICM1	CARGO VAN STANDARD (13.0)		3375				
	PASSENGER VAN E (13.0)		3625				
	PASSENGER VAN XE (13.0)						
AZ24ICA1	CARGO VAN STANDARD (14.3)	A4 (with lock-up)	3500	DISTRIBUTOR: D4P84-04 (HITACHI) TOT80771 (MITSUBISHI) CONTROL UNIT: MECS-C110	CONTROL UNIT: MECS-C110 INJECTION BODY ASSEMBLY: RGA50-28		
	PASSENGER VAN E (14.3)		3750				
	PASSENGER VAN XE (14.3)						
BZ24ICA1	CARGO VAN STANDARD (13.0)		3375				
	PASSENGER VAN E (13.0)		3625				
	PASSENGER VAN XE (13.0)						

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.

Issue Date : 08/06/86

Revision Date :