State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-149
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 1989 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)
KNS2.4V5FAC9	2.4	(145.8)	Air Injection - Valve Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst (Electronic Port Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.4

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.24	2.2	0.3

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 also comply with 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.).

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 6th day of July, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-15-149

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS2.4V5FAC9

Evaporative Family: FI4-2 Engine Type: In-line 4, OHC

Liters (CID): 2.4 (145.8)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
ECU-Electronic Control Unit
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CFI, SFI, HOS, OS, DIP, EPFI, MPFI, DID
nV-nVenturi Carburetor
VV-Variable Venturi 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
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
EIC-Electronic Injection Control (Diesel Only)
TWC-Three-Way Catalyst
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
IC-Intercooler or Aftercooler
EPFI-Electronic Port Fuel Injection
MPFI-Mechanical Port Fuel Injection
SFI-Sequential Fuel Injection
TC-Turbocharger
SC-Supercharger
OBD-On-Board Diagnostics

VEHICLE MODEL:

Engine Code		Model	Transmission
AK24ECM1	----	240SX XE 2-DOOR NOTCHBACK COUPE	-- 5-speed Manual
BK24ECM1		240SX SE 3-DOOR HATCHBACK COUPE	
AK24ECA1	----	240SX XE 2-DOOR NOTCHBACK COUPE	-- 4-speed Automatic
BK24ECA1		240SX SE 3-DOOR HATCHBACK COUPE	

Engine: Front X Mid. ____ Rear ____

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

Issue Date: 04/08/88
Revision Date:

E.O. # A-15-149

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS2.4V5FAC9
Liter (CID) : 2.4 (145.8) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): AIV/EGR/OS/TWC(EPFI/OBD)

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.
AK24ECM1	240SX XE 2-DOOR NOTCHBACK COUPE (9.0)	M5	3000	Distributor D4P87-03 (HITACHI)	Control Unit A11-A43	EGR Valve AEY76-84	Fxx,x1 Fxx,x2 Fxx,x6 Fxx,x7
	240SX SE 3-DOOR HATCHBACK COUPE (9.0)		3125	T2T42071 (MITSUBISI)	Fuel Injection A46-000 (JECS)		
BK24ECM1	240SX XE 2-DOOR NOTCHBACK COUPE (8.2)		3000	Control Unit A11-A43	A46-005 (DKKC)		
	240SX SE 3-DOOR HATCHBACK COUPE (8.2)				Air Flow Meter AFH50		

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.

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

Issue Date: 04/08/88
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17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

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Liter (CID) : 2.4 (145.8) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): AIV/EGR/OS/TWC(EPFI/OBD)

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.
AK24ECA1	240SX XE 2-DOOR NOTCHBACK COUPE (9.0)	L4	3125	Distributor D4P87-03 (HITACHI)	Control Unit A11-A44	EGR Valve AEY76-84	Fxx,x1 Fxx,x2 Fxx,x6 Fxx,x7
	240SX SE 3-DOOR HATCHBACK COUPE (9.0)			T2T42071 (MITSUBISI)	Fuel Injection A46-000 (JECS)		
BK24ECA1	240SX XE 2-DOOR NOTCHBACK COUPE (8.2)		3000	Control Unit A11-A44	A46-005 (DKKC)		
	240SX SE 3-DOOR HATCHBACK COUPE (8.2)		3125				

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.

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