State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-105
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 passenger cars:

Engine Family	Displacement Cubic Inches	(Liters)	Exhaust Emission Control Systems (Special Features)
HNS1.6V5FAC8	97.5	(1.6)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst with Closed Loop (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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0.39	7.0	0.7

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
0.16	2.1	0.4

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.).

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 25th day of February, 1986.

K. D. Drachand, Chief
Mobile Source Division

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., LTD.

Executive Order No. A-15-105

Engine Family HNS1.6V5FAC8

Evaporative Family TBI-4

Engine CID (Liters) 97.5 (1.6)

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
V[illegible]able Venturi

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
TOC-Trap Oxidizer Continual
TOP-Trap Oxidizer Periodical
TR-Thermal Reactor
TWC-Three-Way Catalyst 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
MFI-Mechanical Fuel Injection
TC-Turbocharged

VEHICLE MODELS:

ENGINE CODE	CAR LINE	TRANSMISSION
AE 16 ICM1	Sentra XE Hatchback Coupe	5-Speed Manual
BE 16 ICM1	Sentra SE Hatchback Coupe	5-Speed Manual
AE 16 ICA1	Sentra XE Hatchback Coupe	Automatic
BE 16 ICA1	Sentra SE Hatchback Coupe	Automatic

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

012584

E.O. # A-15-105

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: Nissan Motor Co., Ltd.

Engine Family: HNS1.6V5FAC8

Evaporative Family: TBI-4

Engine Type: In-line 4 OHC

Liters (CID): 1.6 (97.5)

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

F[illegible]em

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

VEHICLE MODELS:

Engine Code	Car Line	Transmission
AE16ICM2 BE16ICM2	PULSAR NX XE 3-DOOR COUPE	M5
AE16ICA2 BE16ICA2		L3

With R/C No. H16V5FAC-04

Engine: Front X Mid. ____ Rear ____

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

Issue Date : 07/18/86

Revision Date :

E.O. #A -15-105

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer NISSAN MOTOR CO., LTD

Page 2

Engine Family HNS1.6V5FAC8

Engine Code AE16ICM1,BE16ICM1 AE16ICA1,BE16ICA1

ECS (Special Features) EGR/AIV/TWC/CL/(CFI)

CID (Liter)-Type 97.5(1.6) Inline 4

Engine Code	Vehicle Models (If Coded see attachment) (HP) SENTRA	Trans.	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part
BE16ICM1	XE Hatchback Coupe (6.7)	M5	2500	Distributor: D4P83-03 (Hitachi) T4T84471 (Mitsubishi)	Throttle Body Ass'y: JECS A81-600	AEY76-46	Vehicle Emissio Control Informat 14805 69A01
	SE Hatchback Coupe (6.7)		2625				
AE16ICM1	XE Hatchback Coupe (7.4)						
	SE Hatchback Coupe (7.4)						
BE16ICA1	XE Hatchback Coupe (6.7)	L3			Throttle Body Ass'y: JECS A81-601		14805 69A00
	SE Hatchback Coupe (6.7)						Vacuum Hose Routing Diagram 22304 69A01
AE16ICA1	XE Hatchback Coupe (7.4)						22304 69A00
	SE Hatchback Coupe (7.4)		2750				

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.

*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 12/25/85

Date of Revision - 01/30/86 (RC #H16V5FAC-01)

071080

E.O. # A-15-105

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 2.1

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

Manufacturer Nissan Motor Co., Ltd. Engine Family HNS1.6V5FAC8

Liter (CID) 1.6 (97.5) Eng. Type In-line 4 OHC

Emission Control Sys. (Special Features) TBI/EGR/AIV/TWC/CL

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.
AE16ICM2	PULSAR NX XE 3-DOOR COUPE (7.9)	M5	2750	HITACHI D4P83-03	JECS A81-600	AEY76-46	20802 69A00 20802 69A05
BE16ICM2	PULSAR NX XE 3-DOOR COUPE (7.2)		2625				
AE16ICA2	PULSAR NX XE 3-DOOR COUPE (7.9)	L3	2750	MITSUBISHI T4T84471	JECS A8I-601		20802 84M00 20802 84M05
BE16ICA2	PULSAR NX XE 3-DOOR COUPE (7.2)						

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.

With R/C No. H16V5FAC-04

Issue Date : 07/18/86

Revision Date :