

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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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".

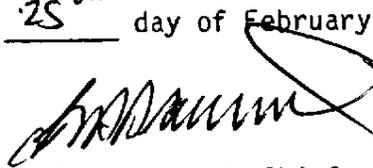
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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

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

<u>Ignition System</u>	<u>Exhaust Emissions Control System</u>	<u>Special Features</u>
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion Chamber Valve
EEC-Electronic Engine Control	AIV-Air Injection-Valve	CFI-Central Fuel Injection
EI-Electronic Ignition	CL-Closed Loop	DID-Diesel Injection-Direct
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	DIP-Diesel Injection-Prechamber
VA-Vacuum Advance	EM-Engine Modification	EFI-Electronic Fuel Injection
VR-Vacuum Retard	OC-Oxidation Catalyst System	IC - Intercooler
	TOC-Trap Oxidizer Continual	MFI-Mechanical Fuel Injection
	TOP-Trap Oxidizer Periodical	TC-Turbocharged
	TR-Thermal Reactor	
	TWC-Three-Way Catalyst System	

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 V-Variable Venturi

VEHICLE MODELS:

ENGINE CODE

AE 16 ICM1
 BE 16 ICM1

AE 16 ICA1
 BE 16 ICA1

CAR LINE

Sentra XE Hatchback Coupe
 Sentra SE Hatchback Coupe

Sentra XE Hatchback Coupe
 Sentra SE Hatchback Coupe

TRANSMISSION

5-Speed Manual
 5-Speed Manual

Automatic
 Automatic

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

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 am

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

VEHICLE MODELS:

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

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

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Engine Family HNS1.6V5FAC8

Engine Code AE16ICM1, BE16ICM1

Code 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)	Throttle Body Ass'y:	AEY76-46	Vehicle Emission Control Information 14805 69A01		
	SE Hatchback Coupe (6.7)		JECS A81-600						
AE16ICM1	XE Hatchback Coupe (7.4)		2625		T4T84471 (Mitsubishi)			Throttle Body Ass'y: JECS A81-601	14805 69A00
	SE Hatchback Coupe (7.4)								
BE16ICA1	XE Hatchback Coupe (6.7)	L3	2625	T4T84471 (Mitsubishi)	Throttle Body Ass'y: JECS A81-601	22304 69A01			
	SE Hatchback Coupe (6.7)								
AE16ICA1	XE Hatchback Coupe (7.4)		2750		2750		T4T84471 (Mitsubishi)	Throttle Body Ass'y: JECS A81-601	22304 69A00
	SE Hatchback Coupe (7.4)								

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)

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Passenger Cars Light-Duty Trucks _____ Medium-Duty Vehicles _____ Gas 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 A81-601		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 :