

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-106
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>
HNS1.6V9FAC2	97.5 (1.6)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst with Closed Loop

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	4.3	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 18th day of February, 1986.



K. D. Drachand, Chief
Mobile Source Division

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-106
 Engine Family HNS1.6V9FAC2 Evaporative Family ECC-3
 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

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

Fuel System

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

VEHICLE MODELS:

Engine Code

BE16SCM2
 AE16SCM2
 BE16SCA2
 AE16SCA2

BE16SCM2
 AE16SCM2

Car Line

SENTRA E 2-DOOR SEDAN
 SENTRA XE 2-DOOR SEDAN
 SENTRA E 4-DOOR SEDAN
 SENTRA XE 4-DOOR SEDAN
 SENTRA GXE 4-DOOR SEDAN
 SENTRA E 3-DOOR HATCHBACK SEDAN
 SENTRA XE 3-DOOR HATCHBACK SEDAN
 SENTRA XE WAGON
 SENTRA GXE WAGON

SENTRA STANDARD 2-DOOR SEDAN

Transmission

[M5, L3

[M5

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

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 HNS1.6V9FAC 2

Engine Code AE16SCM2, BE16SCM2
AE16SCA2, BE16SCA2

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

CID (Liter)-Type 97.5 (1.6) In-line-4

Engine Code	Vehicle Models (If Coded see attachment) (HP) SENTRA	Trans.	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System 1-V2 Part No.	EGR Valve Part No.	Label Ident Part	
AE16SCM2	Sedan: (8.0) Standard 2-Dr E, XE 2-Dr E 4-Dr XE, GXE 4-Dr	M5	2500	Distributor: D4P83-03 (Hitachi)	Carburetor DFC328-11 (Hitachi)	AEY76-46	Vehicle Emission Control Informa 14805 61A01 14805 61A00	
	H/B Sedan: (8.6) E 3-Dr XE 3-Dr		2625					
	Wagon: (8.9) XE, GXE		2500					
	Wagon: (8.1) XE, GXE		2625					
BE16SCM2	H/B Sedan: (7.8) E, XE 3-Dr	M5	2500	Distributor: D4P83-03 (Hitachi)	Carburetor DFC328-11 (Hitachi)	AEY76-46	Vacuum Hose Routing Diagram 22304 61A01	
	Sedan: (7.3) Standard 2-Dr E, XE 2-Dr E, XE, GXE 4-Dr							2500
	Sedan: (7.3) Standard 2-Dr E, XE 2-Dr E, XE, GXE 4-Dr							

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 - 11/30/85

Date of Revision - 01/30/86 (RC #H16V9FAC-01)

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 3

Engine Family HNS1.6V9FAC2

Engine AE16SCM2, BE16SCM2

Code AE16SCA2, BE16SCA2

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

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 1-V2 Part No.	EGR Valve Part No.	Label Ident Part
AE16SCA2	Sedan: (8.0) E, XE 2-Dr E, XE, GXE 4-Dr	L3	2625	Distributor: D4P83-03 (Hitachi)	Carburetor: DFC328-12 (Hitachi)	AEY76-46	Vehicle Emission Control Information 14805 61A01 14805 61A00 Vacuum Hose Routing Diagram 22304 61A01 22304 61A00
	H/B Sedan: (8.6) E, XE 3-Dr		2750				
	Wagon: (8.9) XE, GXE		2500				
BE16SCA2	Sedan: (7.3) E, XE 2-Dr E 4-Dr		2625				
	XE, GXE 4-Dr		2500				
	H/B Sedan: (7.8) E 3-Dr		2625				
	XE 3-Dr	2500					
	Wagon: (8.1) XE, GXE	2625					

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 - 11/30/85

Date of Revision - 01/30/86 (RC #H16V9FAC-01)