

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-78  
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 1985 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>
FNS1.6V9FACO	97.5 (1.6)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<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 the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.24	3.4	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 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 10<sup>th</sup> day of August, 1984.



K. D. Drachand, Chief  
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., Ltd. Executive Order No. A-15-78  
 Engine Family FNS1.6V9FACO Evaporative Family 5ECC-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

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 W-Venturi Carburetor  
 VW-Variable 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  
 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  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

VEHICLE MODELS:

BE16SCM1	SENTRA 2-DOOR SEDAN (STANDARD, DELUXE, XE)	M5
AE16SCM1	SENTRA 4-DOOR SEDAN (STANDARD, DELUXE, XE)	
	SENTRA 2-DOOR HATCHBACK COUPE (XE, SE)	
	SENTRA 4-DOOR WAGON (DELUXE, XE)	
	PULSAR NX	
BE16SCA1	SENTRA 2-DOOR SEDAN (DELUXE, XE)	L3
AE16SCA1	SENTRA 4-DOOR SEDAN (DELUXE, XE)	
	SENTRA 2-DOOR HATCHBACK COUPE (DELUXE, XE)	
	SENTRA 4-DOOR WAGON (DELUXE, XE)	
	PULSAR NX	

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

Issue Date: 05/25/84  
 Revision Date:

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer NISSAN MOTOR CO., Ltd.    E.O. #A -15-78

Engine Family FNS1.6V9FACO    CID(liter) - Type 97.5(1.6)

ECS (Special Features) ECC/EGR/TWC/CL

Engine Code	Vehicle Models*	Trans.	Ign. System <i>CA, VA, EI</i> Part No.	Fuel System <b>2V</b> Part No.	EGR Valve Part No.	Label Ident. Part No.
AE16SCM1 BE16SCM1	SENTRA	M5	HITACHI D4R82-12	HITACHI DFC328-1	AEY76-68	14805 33M10
AE16SCA1 BE16SCA1	PULSAR	L3	HITACHI D4R82-24	HITACHI DFC328-2	AEY76-69	

Comments: See page before 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 on 17.01.03.00.

\* See page before.

Issue Date: 05/25/84

Revision Date:

A-15-78

## Test Weight/Horsepower List

Vehicle Model	Test Weight	Test Horsepower		
		Determination Method	With A/C factor	Without A/C factor
SENTRA SEDAN STANDARD	2,250	Coastdown	8.2	7.5
SENTRA SEDAN DELUXE SENTRA SEDAN XE	2,250			
	2,375			
SENTRA HATCHBACK COUPE	2,375		8.0	7.3
SENTRA WAGON	2,375		8.8	8.0
PULSAR NX	2,375		8.4	7.6

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