

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-89
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> |
|----------------------|---|---|
| FNS1.6V9FBC2 | 97.5 (1.6) | Air Injection - Valve Three-Way Catalyst with Closed Loop Exhaust Gas Recirculation |

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 the above engine family:

| <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|---|---|
| 0.2 | 4.5 | 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.

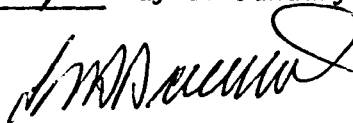
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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 17th day of January, 1985.


K. D. Drachand, Chief
Mobile Source Division

17.01.02.00 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., Ltd. Executive Order No. A-16-89
 Engine Family FNS1.6V9FBC2 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
 nV-nVenturi Carburetor
 VV-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:

| | | |
|----------|--|----|
| BE16SCM2 | SENTRA 2-DOOR SEDAN (STANDARD, DELUXE, XE) | M5 |
| AE16SCM2 | SENTRA 4-DOOR SEDAN (STANDARD, DELUXE, XE) | |
| | SENTRA 2-DOOR HATCHBACK COUPE (XE, SE) | |
| | SENTRA 4-DOOR WAGON (DELUXE, XE) | |
| | PULSAR NX | |
| BE16SCA2 | SENTRA 2-DOOR SEDAN (DELUXE, XE) | L3 |
| AE16SCA2 | 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: 12/12/84
 Revision Date:

17.01.02.00 - cont.

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

 Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas DieselManufacturer NISSAN MOTOR CO., Ltd.E.O. #A -16-89Engine Family FNS1.6V9FBC2CID(liter) - Type 97.5(1.6)ECS (Special Features) ECC/EGR/TWC/CL/AIV

| Engine Code | Vehicle Models* | Trans. | Ign. System Part No. | Fuel System Part No. | EGR Valve Part No. | Label Ident. Part No. |
|----------------------|----------------------|--------|-------------------------|-------------------------|-----------------------|--------------------------|
| AE16SCM2 BE16SCM2 | SENTRA PULSAR | M5 | HITACHI D4R82-12 | HITACHI DFC328-1 | AEY76-68 | 14805 31M14 |
| AE16SCA2 BE16SCA2 | | 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: 12/12/84

Revision Date:

17.01.03.00 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 |