State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-109
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) |
|---|---|---|
| HNS2.0V5FCC6 | 120.4 (2.0) | Exhaust Gas Recirculation<br>Air Injection - Valve<br>Three-Way Catalyst with Closed Loop<br>(Electronic 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 |
|---|---|---|
| 0.12 | 2.8 | 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 3rd day of April, 1986.

Bob Cross for

K. D. Drachand, Chief
Mobile Source Division

# 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-109

Engine Family HNS2.0V5FCC6 Evaporative Family FI4-2

Engine CID (Liters) 120.4 (2.0)

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-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
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 |
|---|---|---|
| AC20ECM2<br>BC20ECM2 | Stanza E 4-Dr Sedan<br>Stanza GXE 4-Dr Sedan<br>Stanza XE 5-Dr Hatchback Sedan | 5-Speed Manual |
| AC20ECA2<br>BC20ECA2 | Stanza E 4-Dr Sedan<br>Stanza GXE 4-Dr Sedan<br>Stanza XE 5-Dr Hatchback Sedan | Automatic |

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

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E.O. # A-15-109

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Manufacturer Nissan Motor Co., Ltd.

Engine Family HNS2.0V5FFC6

Evaporative Family FI4-2

Engine Type L4

Liters (CID) 2.0 (120.4)

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

**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

**Fuel System**

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

VEHICLE MODELS:

| Engine Code | Car Line | Transmission |
|---|---|---|
| BC20ECM4<br>AC20ECM4<br>BC20ECA4<br>AC20ECA4 | 200SX XE 2-Door Notchback Coupe<br>200SX XE Power Package 2-Door Notchback Coupe<br>200SX XE 3-Door Hatchback Coupe<br>200SX XE Power Package 3-Door Hatchback Coupe | M5<br>L4 |

Engine: Front X Mid. ____ Rear ____

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

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E.O. #A-15-109

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 HNS2.0V5FCC6

Engine Code AC20ECM2, BC20ECM2, AC20ECA2, BC20ECA2

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

CID (Liter)-Type 120.4 (2.0) Inline-4

| Engine Code | Vehicle Models (If Coded see attachment) (HP) | Trans. | Equiv. Test Weight | Ign. System ECC Part No. | Fuel System EFI Part No. | EGR Valve Part No. | Label Ident. Part |
|---|---|---|---|---|---|---|---|
| AC20ECM2 | Stanza: (8.3)<br>E 4-Dr Sedan<br>GXE 4-Dr Sedan<br>XE 5-Dr H/B Sd. | M5 | 3,125 | Distributor:<br>D4P85-01 (Hitachi)<br>TOT71071 (Mitsubishi) | Control Unit: A11-688<br>Air Flow Meter: A31-634<br>Oxygen Sensor: D2F<br>Injector: A46-001 (JECS)<br>A46-002 (DKC) | AEY77-1 | Vehicle Emission Control Information 14805 D3512<br>14805 D3511 |
| BC20ECM2 | Stanza: (7.6)<br>E 4-Dr Sedan<br>GXE 4-Dr Sedan<br>XE 5-Dr H/B Sd. | | 3,000<br>3,125 | | | | |
| AC20ECA2 | Stanza: (8.3)<br>E 4-Dr Sedan<br>GXE 4-Dr Sedan<br>XE 5-Dr H/B Sd | L4 | 3,250 | | | AEY76-84 | Vacuum Hose<br>Routing Diagram<br>22304 D3501<br>22304 D3500 |
| BC20ECA2 | Stanza: (7.6)<br>E 4-Dr Sedan<br>GXE 4-Dr Sedan<br>XE 5-Dr H/B Sd | | 3,125 | | | | |

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 - 12/09/85

Date of Revision - 01/30/86 (RC #H20V5FCC-01)

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

Manufacturer Nissan Motor Co., Ltd. Engine Family HNS2.0V5FFC6

Liter (CID) 2.0 (120.4) Eng. Type L4

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

| 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. |
|---|---|---|---|---|---|---|---|
| | 200SX XE Coupe<br>NB = Notchback<br>HB = Hatchback<br>PP = Power Package | | | | | | |
| BC20ECM4 | 2-Dr NB (7.6) | | | | | | |
| | PP 2-Dr NB (7.6) | | | | | | |
| | 3-Dr HB (7.6) | | | | | | |
| | PP 3-Dr HB (7.6) | M5 | 3,000 | | Control Unit A11-695 | AEY76-99 | |
| AC20ECM4 | 2-Dr NB (8.4) | | | | | | |
| | PP 2-Dr NB (8.4) | | | Distributor: | Air Flow Meter A31-634 | | |
| | 3-Dr HB (8.4) | | | D4P82-08 (Hitachi) | | | 2080227F00 |
| | PP 3-Dr HB (8.4) | | 3,125 | | Injector A46-001 (JECS) | | 2080227F10<br>2080227F05 |
| BC20ECA4 | 3-Dr HB (7.6) | | | TOT61271 (Mitsubishi) | A46-002 (DKC) | | 2080227F15 |
| | PP 3-Dr HB (7.6) | | | | | | |
| | 2-Dr NB (7.6) | | | | | | |
| | PP 2-Dr NB (7.6) | L4 | 3,000 | | | AEY76-78 | |
| AC20ECA4 | 2-Dr NB (8.4) | | | | | | |
| | PP 2-Dr NB (8.4) | | | | | | |
| | 3-Dr HB (8.4) | | 3,125 | | | | |
| | PP 3-Dr HB (8.4) | | | | | | |

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.

Date of Issue _____ Revisions:

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