

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:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
HNS2.0V5FCC6	120.4 (2.0)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst with Closed Loop (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:

<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>
0.12	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".

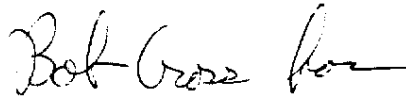
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-109  
 Engine Family HNS2.OV5FCC6 Evaporative Family F14-2  
 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

AC20ECM2  
 BC20ECM2

AC20ECA2  
 BC20ECA2

Car Line

Stanza E 4-Dr Sedan  
 Stanza GXE 4-Dr Sedan  
 Stanza XE 5-Dr Hatchback Sedan

Stanza E 4-Dr Sedan  
 Stanza GXE 4-Dr Sedan  
 Stanza XE 5-Dr Hatchback Sedan

Transmission

5-Speed Manual

Automatic

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

198 Z AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-15-109

Page 1.1

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  
 AC20ECM4  
 BC20ECA4  
 AC20ECA4

200SX XE 2-Door Notchback Coupe  
 200SX XE Power Package 2-Door Notchback Coupe  
 200SX XE 3-Door Hatchback Coupe  
 200SX XE Power Package 3-Door Hatchback Coupe

M5  
 L4

Engine: Front   x   Mid.        Rear         
 Drive: FWD        RWD   x   4WD Full Time        4WD Part Time

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-15-109

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

Manufacturer NISSAN MOTOR CO., LTD.

Page 2

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	<u>Stanza: (8.3)</u> E 4-Dr Sedan <u>GXE 4-Dr Sedan</u> XE 5-Dr H/B Sd.	M5	3,125	Distributor:  D4P85-01 (Hitachi)  TOT71071 (Mitsubishi)	Control Unit: A11-688  Air Flow Meter: A31-634  Oxygen Sensor: D2F  Injector: A46-001 (JECS) A46-002 (DKC)	AEY77-1	Vehicle Emission Control Information 14805 D3512  14805 D3511  Vacuum Hose Routing Diagram: 22304 D3501  22304 D3500
BC20ECM2	<u>Stanza: (7.6)</u> E 4-Dr Sedan <u>GXE 4-Dr Sedan</u> XE 5-Dr H/B Sd.		3,000				
AC20ECA2	<u>Stanza: (8.3)</u> E 4-Dr Sedan <u>GXE 4-Dr Sedan</u> XE 5-Dr H/B Sd.	L4	3,250			AEY76-84	
BC20ECA2	<u>Stanza: (7.6)</u> E 4-Dr Sedan <u>GXE 4-Dr Sedan</u> 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)

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_Manufacturer Nissan Motor Co., Ltd. Engine Family HNS2.0V5FFC6Liter (CID) 2.0 (120.4) Eng. Type L4Emission 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.
RC20ECM4	200SX XE Coupe NB = Notchback HB = Hatchback PP = Power Package	M5	3,000	Distributor:  D4P82-08 (Hitachi)	Control Unit A11-695  Air Flow Meter A31-634  Injector A46-001 (JECS) A46-002 (DKC)	AEY76-99	2080227F00 2080227F10 2080227F05 2080227F15
	2-Dr NB (7.6)						
	PP 2-Dr NB (7.6)						
	3-Dr HB (7.6)						
AC20ECM4	PP 3-Dr HB (7.6)	L4	3,125	TOT61271 (Mitsubishi)			
	2-Dr NB (8.4)						
	PP 2-Dr NB (8.4)						
	3-Dr HB (8.4)						
BC20ECA4	PP 3-Dr HB (8.4)	L4	3,000			AEY76-78	
	3-Dr HB (7.6)						
	PP 3-Dr HB (7.6)						
	2-Dr NB (7.6)						
AC20ECA4	PP 2-Dr NB (7.6)	L4	3,125				
	2-Dr NB (8.4)						
	PP 2-Dr NB (8.4)						
	3-Dr HB (8.4)						
AC20ECA4	PP 3-Dr HB (8.4)	L4	3,125				
	2-Dr NB (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: \_\_\_\_\_