

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-121  
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 1980 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 Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JN51.6V5FEC9	1.6 (97.5)	Exhaust Gas Recirculation Air Injection - Valve Three-Way Catalyst Heated Oxygen Sensor (Central 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>
0.17	2.6	0.3

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 1988 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 the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) 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.) and with Health and Safety Code Section 43204.

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 12<sup>th</sup> day of June, 1987.

  
K. D. Drachand, Chief  
Mobile Source Division

17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FEC9  
 Evaporative Family: TBI-4 Engine Type: In-line 4, OHC  
 Liters (CID): 1.6 (97.5)

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

Exhaust Emission Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 DBC-Dual Bed Catalyst  
 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  
 EIC-Electronic Injection Control  
 TWC-Three-Way Catalyst System  
 ECC-Electronic Control Carburetor  
 ECCS-Electronic Concentrated Control System  
 OS-Oxygen Sensor  
 HOS-Heated Oxygen Sens or  
 WUOC-Warm-Up Oxydation Catalyst  
 WUTWC-Warm-Up Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection or Throttle Body Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 IC-Intercooler or aftercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharger  
 OBD-On-Board Diagnostics

VEHICLE MODELS:

Engine Code

Model

Transmission

	SENTRA E 2-DOOR SEDAN	
	SENTRA XE 2-DOOR SEDAN	
	SENTRA E 4-DOOR SEDAN	
	SENTRA XE 4-DOOR SEDAN	
AE16ICA7	SENTRA GXE 4-DOOR SEDAN	
	SENTRA E 3-DOOR HATCHBACK	-----3-Speed Automatic
BE16ICA7	SENTRA XE 3-DOOR HATCHBACK	
	SENTRA XE HATCHBACK COUPE	
	SENTRA SE HATCHBACK COUPE	
	SENTRA E WAGON	
	SENTRA XE WAGON	

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Engine: Front X Mid. \_\_\_\_\_ Rear \_\_\_\_\_

Drive : FWD X RWD \_\_\_\_\_ 4WD Full Time \_\_\_\_\_ 4WD Part Time \_\_\_\_\_

Issue Date: 03/13/87  
Revision Date:

17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FEC9  
 Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

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.
AE16ICA7	SENTRA E 2-DOOR SEDAN (7.3)	L3	2625	Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Y-xx,xx9 Y-xx,xxA
	SENTRA XE 2-DOOR SEDAN (7.3)						
	SENTRA E 4-DOOR SEDAN (7.3)						
	SENTRA XE 4-DOOR SEDAN (7.3)						
	SENTRA GXE 4-DOOR SEDAN (7.3)						
	SENTRA E 3-DOOR HATCHBACK (7.8)						

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.

\*\*\* The figures and numbers in the place of the mark x are variable according to lot number and production date.

## 17.12.00 1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FEC9  
 Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

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.
AE16ICA7	SENTRA XE 3-DOOR HATCHBACK (7.8)	L3	2625	Distributor	Air Flow	EGR Valve	Y-xx,xx9
	D4P83-03 (HITACHI)			Meter	AEY76-46	Y-xx,xxA	
	SENTRA XE HATCHBACK COUPE (6.7)		2750	T4T84471 (MITSUBISI)	Control Unit		Y-xx,xx5
	SENTRA SE HATCHBACK COUPE (6.7)			Control Unit	A11-A33	Y-xx,xx6	
	SENTRA E WAGON (8.9)			A11-A33	Fuel Injector	A46-000	
	SENTRA XE WAGON (8.9)						

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.

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Passenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FEC9  
 Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

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.
BE16ICA7	SENTRA E 2-DOOR SEDAN (7.3)	L3	2500				
	SENTRA XE 2-DOOR SEDAN (7.3)			Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Y-xx,xx9 Y-xx,xxA
	SENTRA E 4-DOOR SEDAN (7.3)		2625	T4T84471 (MITSUBISI)	Control Unit A11-A33		Y-xx,xx5 Y-xx,xx6
	SENTRA XE 4-DOOR SEDAN (7.3)			Control Unit A11-A33	Fuel Injector A46-000		
	SENTRA GXE 4-DOOR SEDAN (7.3)						
	SENTRA E 3-DOOR HATCHBACK (7.8)						

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.

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Passenger Cars X Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas X Diesel \_\_\_\_\_

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FEC9  
 Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC  
 Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

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.
BE16ICA7	SENTRA XE 3-DOOR HATCHBACK (7.8)	L3	2625	Distributor	Air Flow	EGR Valve	Y-xx,xx9
	SENTRA XE HATCHBACK COUPE (6.7)			D4P83-03 (HITACHI)	Meter	AEY76-46	Y-xx,xxA
	SENTRA SE HATCHBACK COUPE (6.7)			T4T84471 (MITSUBISI)	Control Unit	A11-A33	Y-xx,xx5
	SENTRA E WAGON (8.1)			Control Unit	Fuel Injector	A48-000	Y-xx,xx6
	SENTRA XE WAGON (8.1)			2750			

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.

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