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 1988 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)
JAS1.6V5FEC9	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:

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
0.17	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 12th day of June, 1987.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-15-121

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
AE16ICA7 / BE16ICA7	SENTRA E 2-DOOR SEDAN	3-Speed Automatic
	SENTRA XE 2-DOOR SEDAN	
	SENTRA E 4-DOOR SEDAN	
	SENTRA XE 4-DOOR SEDAN	
	SENTRA GXE 4-DOOR SEDAN	
	SENTRA E 3-DOOR HATCHBACK	
	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 _____

E.O. # A-15-121

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
	SENTRA XE 2-DOOR SEDAN (7.3)			T4T84471 (MITSUBISI)	Control Unit A11-A33		Y-xx,xxA
	SENTRA E 4-DOOR SEDAN (7.3)			Control Unit A11-A33	Fuel Injector A46-000		Y-xx,xx5
	SENTRA XE 4-DOOR SEDAN (7.3)						Y-xx,xx6
	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.

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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.
AE16ICA7	SENTRA XE 3-DOOR HATCHBACK (7.8)	L3	2625	Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Y-xx,xx9
	SENTRA XE HATCHBACK COUPE (6.7)						Y-xx,xxA
	SENTRA SE HATCHBACK COUPE (6.7)		2750	T4T84471 (MITSUBISI) Control Unit A11-A33	Control Unit A11-A33 Fuel Injector A46-000		Y-xx,xx5
	SENTRA E WAGON (8.9)						Y-xx,xx6
	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.
Liter (CID) : 1.6 (97.5)
Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Family: JNS1.6V5FEC9
Eng. Type: In-line 4, OHC

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

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

Manufacturer: NISSAN MOTOR CO., LTD.
Liter (CID) : 1.6 (97.5)
Emission Control Sys. (Special Features): TBI/EGR/AIV/TWC/CL/ECCS

Engine Family: JNS1.6V5FEC9
Eng. Type: In-line 4, OHC

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 D4P83-03 (HITACHI) T4T84471 (MITSUBISI) Control Unit A11-A33	Air Flow Meter A36-000 Control Unit A11-A33 Fuel Injector A46-000	EGR Valve AEY76-46	Y-xx,xx9 Y-xx,xxA Y-xx,xx5 Y-xx,xx6
	SENTRA XE HATCHBACK COUPE (6.7)						
	SENTRA SE HATCHBACK COUPE (6.7)						
	SENTRA E WAGON (8.1)						
	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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