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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-122
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:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JNS1.6V5FD07	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>
0.16	3.1	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 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

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Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7

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 Sensor
 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

BE16ICM5 -----SENTRA STANDARD 2-DOOR SEDAN----- 4-Speed Manual

BE16ICM6 -----SENTRA STANDARD 2-DOOR SEDAN----- 5-Speed Manual

AE16ICM6		SENTRA E 2-DOOR SEDAN		
		SENTRA XE 2-DOOR SEDAN		
		SENTRA E 4-DOOR SEDAN		----- 5-Speed Manual
BE16ICM6		SENTRA XE 4-DOOR SEDAN		
		SENTRA GXE 4-DOOR SEDAN		

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VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AE16ICM6	SENTRA E 3-DOOR HATCHBACK	
	SENTRA XE 3-DOOR HATCHBACK	
	SENTRA XE HATCHBACK COUPE	-----5-Speed Manual
BE16ICM6	SENTRA SE HATCHBACK COUPE	
	SENTRA E WAGON	
	SENTRA XE WAGON	

Engine: Front X Mid. _____ Rear _____

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

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7
 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.
BE16ICM5	SENTRA STANDARD 2-DOOR SEDAN (7.3)	M4	2500	Distributor D4P83-03 (HITACHI)	Air Flow Meter A38-000	EGR Valve AEY76-46	Z-xx, x1
	Z-xx, x2						
AE16ICM6	SENTRA E 2-DOOR SEDAN (7.3)	M5	2625	T4T84471 (MITSUBISI)	Control Unit A11-A32		xx, xP
	SENTRA XE 2-DOOR SEDAN (7.3)			Control Unit A11-A32		xx, xQ	
	SENTRA E 4-DOOR SEDAN (7.3)			Fuel Injector A46-000			
	SENTRA XE 4-DOOR SEDAN (7.3)						
	SENTRA GXE 4-DOOR SEDAN (7.3)						

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: JNS1.6V5FDC7
 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.
AE161CM6	SENTRA E 3-DOOR HATCHBACK (7.8)	M5	2625	Distributor D4P83-03 (HITACHI) T4T84471 (MITSUBISI) Control Unit A11-A32 Fuel Injector A46-000	Air Flow Meter A36-000 Control Unit A11-A32 Fuel Injector A46-000	EGR Valve AEY76-46	Z-xx, x1
	SENTRA XE 3-DOOR HATCHBACK (7.8)						Z-xx, x2
	SENTRA XE HATCHBACK COUPE (6.7)						xx, xP
	SENTRA SE HATCHBACK COUPE (6.7)						xx, xQ
	SENTRA E WAGON (8.9)						
	SENTRA XE WAGON (8.9)						2750

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Issue Date: 03/13/87
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Passenger Cars X Light-Duty Trucks Medium-Duty Vehicles Gas X Diesel

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: JNS1.6V5FDC7
 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.
BE16ICM8	SENTRA STANDARD 2-DOOR SEDAN (7.3)	M5	2500	Distributor D4P83-03 (HITACHI)	Air Flow Meter A36-000	EGR Valve AEY76-46	Z-xx, x1
	SENTRA E 2-DOOR SEDAN (7.3)						Z-xx, x2
	SENTRA XE 2-DOOR SEDAN (7.3)						xx, xP
	SENTRA E 4-DOOR SEDAN (7.3)						xx, xQ
	SENTRA XE 4-DOOR SEDAN (7.3)						
	SENTRA GXE 4-DOOR SEDAN (7.3)						
			2625	Control Unit A11-A32	Fuel Injector A46-000		

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: JNS1.6V5FDC7
 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.	
BE16 ICM6	SENTRA E 3-DOOR HATCHBACK (7.8)	M5	2500	Distributor D4P83-03 (HITACHI) T4T84471 (MITSUBISI)	Air Flow Meter A36-000 Control Unit A11-A32	EGR Valve AEY76-46	Z-xx, x1	
	SENTRA XE 3-DOOR HATCHBACK (7.8)						Z-xx, x2	
	SENTRA XE HATCHBACK COUPE (6.7)						xx, xP	
	SENTRA SE HATCHBACK COUPE (6.7)		2625		Control Unit A11-A32	Fuel Injector A46-000		xx, xQ
	SENTRA E WAGON (8.1)							
	SENTRA XE WAGON (8.1)							

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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