State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-158
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 1989 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)
KNS1.6V5FCC6	1.6 (97.5)	Air Injection - Valve Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst (Central Fuel Injection) (On-Board Diagnostics)

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	0.4

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	3.0	0.3

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 also comply with 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.).

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 6th day of September, 1988.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-15-158

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS1.6V5FCC6

Evaporative Family: TBI-6 Engine Type: In-line 4, OHC

Liters (CID): 1.6 (97.5)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
ECU-Electronic Control Unit
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

CFI, SFI, HOS, OS, DIP, EPFI, MPFI, DID
nV-nVenturi Carburetor
VV-Variable Venturi Carburetor

Exhaust Emission Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
EM-Engine Modification
OC-Oxidation Catalyst
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
EIC-Electronic Injection Control (Diesel Only)
TWC-Three-Way Catalyst
WUOC-Warm-Up Oxidation 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
IC-Intercooler or Aftercooler
EPFI-Electronic Port Fuel Injection
MPFI-Mechanical Port Fuel Injection
SFI-Sequential Fuel Injection
TC-Turbocharger
SC-Supercharger
OBD-On-Board Diagnostics

VEHICLE MODELS:

Engine Code	Model	Transmission
AG16ICM4	SENTRA XE	5-Speed Manual
BG16ICM4	WAGON 4WD	
AG16ICA4	SENTRA XE	3-Speed Automatic
BG16ICA4	WAGON 4WD	

Engine: Front X Mid. ____ Rear ____

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

Issue Date: 04/14/88
Revision Date:

E.O. # A-15-158

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS1.6V5FCC6
Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): AIV/EGR/OS/TWC (CFI/OBD)

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	Catalys *** Part No
AG18ICM4 -F4 1/	SENTRA XE VAGON 4WD (9.7)	M5	3000	Distributor D4P86-05 (HITACHI) T4T74271 (MITSUBISI) Control Unit A11-B35 1/	Air Flow Meter A38-000 Control Unit A11-B35 1/ Fuel Injector A46-000	EGR Valve AEY76-46	E-xx,xx E-xx,xx E-xx,xx E-xx,xx
BG18ICM4 -F4 1/	SENTRA XE VAGON 4WD (9.7)						

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 lot number and production date.

Issue Date: 04/14/88
Revision Date: 1/ 05/08/89

1/ With F/P No. K18V5FCC-04

E.O. # A-15-158

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS1.6V5FCC6
Liter (CID) : 1.6 (97.5) Eng. Type: In-line 4, OHC
Emission Control Sys. (Special Features): AIV/EGR/OS/TWC (CFI/OBD)

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	Catalys Part N
AG16ICA4 -F4 1/	SENTRA XE VAGON 4WD (9.7)	L3	3000	Distributor D4P86-05 (HITACHI) T4T74271 (MITSUBISI) Control Unit A11-B36 1/	Air Flow Meter A36-000 Control Unit A11-B36 1/ Fuel Injector A46-000	EGR Valve AEY76-46	E-xx,x E-xx,x
BG16ICA4 -F4 1/	SENTRA XE VAGON 4WD (9.7)						E-xx,x E-xx,x

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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Issue Date: 04/14/88
Revision Date: 1/ 05/08/89

1/ With F/F No. K18V5FCC-04