

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-104  
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. 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>
HNS3.OV5FACX	180.6 (3.0)	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>
0.23	2.8	0.5

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".

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 3<sup>rd</sup> day of February, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-104  
 Engine Family HNS3.OV5FACX Evaporative Family FIG-1  
 Engine CID (Liters) 180.6 (3.0)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

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

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV--Venturi Carburetor  
 VV           nturi

VEHICLE MODELS:

ENGINE CODE	CAR LINE	TRANSMISSION
AV30ECM1,AV30ECM1-R2	MAXIMA SEDAN	5-speed Manual
AV30ECA1,AV30ECA1-R2	MAXIMA SEDAN	Automatic
AV30ECA1,AV30ECA1-R2	MAXIMA WAGON	Automatic

DRIVE SYSTEM: FRONT Engine/FRONT -Wheel Drive

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

Manufacturer NISSAN MOTOR CO., LTD Page 2

Engine Family HNS3.OV5FACX Engine Code AV30ECM1, AV30ECA1

ECS (Special Features) EFI/EGR/AIV/TWC/CL/EEC CID (Liter)-Type 180.6 (3.0) - V6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident Part
AV30ECM1 AV30ECM1-R2	MAXIMA SEDAN	M-5	3375	Distributor  D6P84-01 (Hitachi) T5T61372 (Mitsubishi)	Control Unit (M/T) A18-664 (A/T) A18-665  Air Flow Meter A36-000	EVK72-74	Vehicle Emission Control Information 14805 16E15 14805 16E16
AV30ECA1 AV30ECA1-R2	MAXIMA SEDAN	L4	3500		Injector (JECS) A46-000 (DKC) A46-00000	EVK72-70	Vacuum Hose Routing Diagram 22304 16E01
	MAXIMA WAGON		3625.				22304 16E02

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 12/06/85

Date of Revision - 01-30-86 (RC#H30V5FAC-01)  
05-20-86 (RC #H30V5FAC-02)

Manufacturer NISSAN MOTOR CO., LTD. Engine Family HNS3.0V5FACX  
 Evaporative Family FI6-1 Engine Type V-6, OHC  
 Liters (CID) 3.0 (180.6)

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
- ECC-Electronic Control Carburetor
- ECCS-Electronic Concentrated Control 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

FI, CL, DID, DIP, EFI, MFI  
 V-nVenturi Carburetor

VEHICLE MODELS:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AV30ECM3	300ZX GS 2-SEAT COUPE 300ZX GS 2+2 COUPE	5-speed Manual
AV30ECA3	300ZX GS 2-SEAT COUPE 300ZX GS 2+2 COUPE	Automatic

Engine: Front X Mid.        Rear         
       RWD X 4WD Full Time        4WD Part Time

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-15-104

Passenger Cars  Light-Duty Trucks \_\_\_\_\_ Medium-Duty Vehicles \_\_\_\_\_ Gas  Diesel \_\_\_\_\_  
 Manufacturer NISSAN MOTOR CO., LTD. Engine Family HNS3.0V5FACX Page 2.1

Liter (CID) 3.0 (180.6) Eng. Type V-6, OHC

Emission Control Sys. (Special Features) EFI/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.
AV30ECM3	300 ZX GS 2-Seat Coupe (7.7)	M5	3500	Distributor (Crank angle) sensor D6P92-03 (HITACHI) T5T61174 (MITSUBISHI)	Control unit A18-678(M/T) A18-679(A/T) Air flow meter A36-000	EVK72-61	20802V8000 20802V8005 20802V8010 20802V8015
	300 ZX GS 2-Seat Coupe T-bar Roof (7.7)						
00 ZX GS 2+2 Coupe T-bar Roof (7.7)	3625						
300 ZX GS 2-Seat Coupe (7.7)	L4	3500	Injector A46-000 (JECS) A46-00000 (DKC)				
300 ZX GS 2-Seat Coupe T-bar Roof (7.7)				3625			
300 ZX GS 2-Seat Coupe T-bar Roof (7.7)							
300 ZX GS 2+2 Coupe T-bar Roof (7.7)							

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.

Issue Date : 05/10/86 with R/C No.H30V5FAC-03  
 Revision Date :