

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-93  
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 1986 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GNS2.4T5FAC4	145.8 (2.4)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (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>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0-3999	0.39	9.0	1.0

The following are the certification emission values for this engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.12	2.6	0.3

BE IT FURTHER RESOLVED: That the listed models in the 0-3999 equivalent inertia weight class 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 1973 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".

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 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 4<sup>th</sup> day of June, 1985.

  
K. D. Drachand, Chief  
Mobile Source Division

17.01.02.00 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-93  
 Engine Family GNS2.4T5FAC4 Evaporative Family TBI-1  
 Engine CID (Liters) 2.4

## 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  
 VV-Variable Venturi

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  
 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  
 MFI-Mechanical  
 Fuel  
 Injection  
 TC-Turbocharged

VEHICLE MODELS:

AZ24SCM5  
 BZ24SCM5

NISSAN TRUCK SPORT 4x4  
 NISSAN TRUCK LONG BED SPORT 4x4  
 NISSAN TRUCK KING CAB SPORT 4x4

5 Speed Manual

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

Issue Date: 02/29/85

Revision Date:

17.01.02.00 - cont.

E.O. #A -15-93

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer NISSAN MOTOR CO., LTD. Page \_\_\_\_\_

Engine Family GNS2.4T5FAC4 Engine Code AZ24SCM5, BZ24SCM5

ECS (Special Features) TBI/EGR/TWC/CL/2plug CID (Liter)-Type 2.4 - In-line, OHC

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
AZ24SCM5	TRUCK 4WD	M5	3625	Distributor D4P84-04 HITACHI	Control Unit MECS-W015 Injection Body Assembly RGA50-10	BPT Valve ATI75-15 EGR Valve AEY76-88	Vehicle Emission Control Information 14805 90W00
BZ24SCM5			3500				Vacuum Hose Routing Diagram 22304 90W00

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 on 17.01.03.00. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Issue Date: 02/20/85  
Revision Date:

## 17.01.03.00 Test Weight/Horsepower List

Vehicle Model	Test Weight	Test Horsepower		
		Determination Method	With A/C factor	Without A/C factor
TRUCK REGULAR BED	3000	Coastdown	N.A.	11.4
TRUCK LONG BED	3125			
TRUCK KING CAB	3125			10.6
TRUCK HEAVY DUTY	3125			11.8
TRUCK CAB & CHASSIS DOUBLE TIRE	3875	Frontal Area	N.A.	22.5
TRUCK REGULAR BED 4WD	3375			
	3500			
TRUCK LONG BED 4WD	3500			14.5
TRUCK KING CAB 4WD	3500			