

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-154
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 light-duty trucks:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
KNS3.0T5HAC0	3.0 (180.6)	Air Injection - Valve Exhaust Gas Recirculation Dual Bed Catalyst Heated Oxygen Sensor On-Board Diagnostics (Exempted) (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>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0 - 3750	0.39	9.0	1.0

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

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
0 - 3750	0.24	2.5	0.6

BE IT FURTHER RESOLVED: That the listed models in the 0-3750 lbs. loaded vehicle weight class are 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 vehicle manufacturer is certifying the listed models in the 0-3750 lbs. loaded vehicle weight class to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "in lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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 for the listed vehicle models in the 0-3750 lbs. loaded vehicle weight class with the 2 year/24,000 mile warranty provisions of 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 24th day of August, 1988.


K. D. Drachand, Chief
Mobile Source Division

*17.12.00-1

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17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HACO

Evaporative Family: TBI-3 Engine Type: V-6, OHC

Liters (CID): 3.0 (180.6)

ABBREVIATIONS

<u>Ignition System</u>	<u>Exhaust Emission Control System</u>	<u>Special Features</u>
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion Chamber
ECU-Electronic Control Unit	AIV-Air Injection-Valve	Valve
EI-Electronic Ignition	DBC-Dual Bed Catalyst	CFI-Central Fuel
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	Injection or Throttle
VA-Vacuum Advance	OS-Oxygen Sensor	Body Injection
VR-Vacuum Retard	HOS-Heated Oxygen Sensor	DID-Diesel Injection-Direct
	EM-Engine Modification	DIP-Diesel Injection-Prechamber
	OC-Oxidation Catalyst	IC-Intercooler or Aftercooler
	SPL-Smoke Puff Limiter or Throttle Delay	EPFI-Electronic Port Fuel Injection
	TOC-Trap Oxidizer, Continual	MPFI-Mechanical Port Fuel Injection
	TOP-Trap Oxidizer, Periodical	SFI-Sequential Fuel Injection
	EIC-Electronic Injection Control (Diesel Only)	TC-Turbocharger
	TWC-Three-Way Catalyst	SC-Supercharger
	WUOC-Warm-Up Oxidation Catalyst	OBD-On-Board Diagnostics
	WUTWC-Warm-Up Three-Way Catalyst	

Fuel System

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

VEHICLE MODEL:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AV30ICM1	NISSAN SE V6 REGULAR BED	5-speed Manual
BV30ICM1	NISSAN SE V6 KING CAB	
	NISSAN HEAVY DUTY	

Engine: Front X Mid. Rear

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

Issue Date: 05/11/88

Revision Date:

*17.12.00-2

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HACO
 Liter (CID): 3.0 (180.6) Eng. Type: V-6, OHC
 Emission Control Sys. (Special Features): AIV/DBC/EGR/HOS(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.	Catalyst *** Part No.
AV30ICM1	SE V6 REGULAR BED (12.2)	M5	3500	Distributor D6P84-01 (HITACHI)	Control Unit MECS-G425	EGR Valve AEY77-6	D-xx,xJ
	SE V6 KING CAB (11.2)		3625	T5T61372 (MITSUBISI)	Air Flow Meter and		D-xx,xK
	HEAVY DUTY (13.5)		3500	Control Unit MECS-G425	Fuel Injector (SPI Body Assy)		D-xx,xE
BV30ICM1	SE V6 REGULAR BED (12.2)		3500		RGA50-31 (without ASCD)		D-xx,xF
	SE V6 KING CAB (11.2)		3625				
	HEAVY DUTY (13.5)		3500		RGA50-33 (with ASCD)		

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.

Issue Date: 05/11/88
 Revision Date:

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Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HACO

Evaporative Family: TBI-3 Engine Type: V-6, OHC

Liters (CID): 3.0 (180.6)

ABBREVIATIONS

<u>Ignition System</u>	<u>Exhaust Emission Control System</u>	<u>Special Features</u>
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion Chamber
ECU-Electronic Control Unit	AIV-Air Injection-Valve	Valve
EI-Electronic Ignition	DBC-Dual Bed Catalyst	CFI-Central Fuel
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	Injection or Throttle
VA-Vacuum Advance	OS-Oxygen Sensor	Body Injection
VR-Vacuum Retard	HOS-Heated Oxygen Sensor	DID-Diesel Injection-Direct
	EM-Engine Modification	DIP-Diesel Injection-Prechamber
	OC-Oxidation Catalyst	IC-Intercooler or Aftercooler
	SPL-Smoke Puff Limiter or Throttle Delay	EPFI-Electronic Port Fuel Injection
	TOC-Trap Oxidizer, Continual	MPFI-Mechanical Port Fuel Injection
	TOP-Trap Oxidizer, Periodical	SFI-Sequential Fuel Injection
	EIC-Electronic Injection Control (Diesel Only)	TC-Turbocharger
	TWC-Three-Way Catalyst	SC-Supercharger
	WUOC-Warm-Up Oxidation Catalyst	OBD-On-Board Diagnostics
	WUTWC-Warm-Up Three-Way Catalyst	

Fuel System

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

VEHICLE MODEL:

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
AV30ICA1	NISSAN SE V6 REGULAR BED	
-----	NISSAN SE V6 KING CAB	----- Automatic
BV30ICA1	NISSAN HEAVY DUTY	

Engine: Front X Mid. Rear

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

Issue Date: 05/11/88

Revision Date:

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Page 4

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HAC0
 Liter (CID): 3.0 (180.6) Eng. Type: V-6, OHC
 Emission Control Sys. (Special Features): AIV/DBC/EGR/HOS (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.	Catalyst *** Part No.
AV30ICA1	SE V6 REGULAR BED (12.2)	L4	3500	Distributor D6P84-01 (HITACHI)	Control Unit MECS-G435	EGR Valve AEY77-7	D-xx,xJ
	SE V6 KING CAB (11.2)		3625	T5T61372 (MITSUBISI)	Air Flow Meter and		D-xx,xK
	HEAVY DUTY (13.5)		3500	Control Unit	Fuel Injector (SPI Body Assy)		D-xx,xE
BV30ICA1	SE V6 REGULAR BED (12.2)		3500	MECS-G435			D-xx,xF
	SE V6 KING CAB (11.2)		3625		RGA50-32 (without ASCD)		
	HEAVY DUTY (13.5)		3500		RGA50-34 (with ASCD)		

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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