

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-156
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>
KNS3.0T5HCC4	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>
3751 - 5750	0.50	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>
3751 - 5750	0.30	4.5	0.5

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.).

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

*17.12.00-10

E.O. # A-15-156

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HCC4
 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 Valve
ECU-Electronic Control Unit	AIV-Air Injection-Valve	CFI-Central Fuel Injection or Throttle Body Injection
EI-Electronic Ignition	DBC-Dual Bed Catalyst	DID-Diesel Injection-Direct
ESAC-Electronic Spark Advance Control	EGR-Exhaust Gas Recirculation	DIP-Diesel Injection-Prechamber
VA-Vacuum Advance	OS-Oxygen Sensor	IC-Intercooler or Aftercooler
VR-Vacuum Retard	HOS-Heated Oxygen Sensor	EPFI-Electronic Port Fuel Injection
	EM-Engine Modification	MPFI-Mechanical Port Fuel Injection
	OC-Oxidation Catalyst	SFI-Sequential Fuel Injection
	SPL-Smoke Puff Limiter or Throttle Delay	TC-Turbocharger
	TOC-Trap Oxidizer, Continual	SC-Supercharger
	TOP-Trap Oxidizer, Periodical	OBD-On-Board Diagnostics
	EIC-Electronic Injection Control (Diesel Only)	
	TWC-Three-Way Catalyst	
	WUOC-Warm-Up Oxidation Catalyst	
	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>
AV30ICA3	NISSAN E V6 REGULAR BED 4X4	
	NISSAN SE V6 REGULAR BED 4X4	
BV30ICA3	NISSAN SE V6 KING CAB 4X4	---- Automatic
	PATHFINDER XE V6	
	PATHFINDER SE V6	

Engine: Front X Mid. _____ Rear _____

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

Issue Date: 05/11/88

Revision Date:

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: KNS3.0T5HCC4
 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.
AV30ICA3	E V6 REGULAR BED 4X4 (14.5)	L4	3875**	Distributor D6P84-01 (HITACHI)	Control Unit MECS-G475 (TRUCK 4WD)	EGR Valve AEY77-7	D-xx,xN
	SE V6 REGULAR BED 4X4 (14.5)		4000**	T5T61372 (MITSUBISI)	MECS-G415 (PATHFIN- DER 4WD)		D-xx,xP
	SE V6 KING CAB 4X4 (14.5)		4250**	Control Unit MECS-G475 (TRUCK 4WD)	MECS-G415 Injector (SPI Body Assy)		D-xx,xH
	PATHFINDER XE V6 (15.5-P215/75 R15)		4250**	MECS-G415 (PATHFIN- DER 4WD)	(without ASC)		
	(16.0-P235/75 R15)						
	PATHFINDER SE V6 (16.0)		4250**		RGA50-34 (with ASC)		

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.

**EIW of these models are between 4000 - 5999 lbs.

***The figures and numbers in the place of the mark x are variable according to lot number and production date.

17.12.00 1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

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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.
BV30ICA3	E V6 REGULAR BED 4X4 (14.5)	L4	3875**	Distributor D6P84-01 (HITACHI)	Control Unit MECS-G475 (TRUCK 4WD)	EGR Valve AEY77-7	D-xx,xN
	SE V6 REGULAR BED 4X4 (14.5)		4000**	T5T61372 (MITSUBISI)	MECS-G415 (PATHFIN- DER 4WD)		D-xx,xP
	SE V6 KING CAB 4X4 (14.5)		4250**	Control Unit MECS-G475 (TRUCK 4WD)	Air Flow Meter and Fuel Injector (SPI Body Assy)		D-xx,xG
	PATHFINDER XE V6 (14.0-P215/75 R15)		4250**	MECS-G415 (PATHFIN- DER 4WD)	(without ASC)		
	(14.5-P235/75 R15)						
	PATHFINDER SE V6 (14.5)		4250**			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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Liters (CID): 3.0 (180.6)

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 MODEL:

Engine Code

Model

Transmission

AV30ICA6

----- PATHFINDER XE V6 4X2 -----

----- Automatic -----

BV30ICA6

Engine: Front X Mid. Rear

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

Issue Date: 05/11/88

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

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 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.	
AV30ICA6	PATHFINDER XE V6 4X2 (15.5-P215/75 R15)	L4	4000**	Distributor D6P84-01 (HITACHI)	Control Unit MECS-G415	EGR Valve AEY77-7	D-xx,xN	
	(16.0-P235/75 R15)			T5T61372 (MITSUBISI)	Air Flow Meter and Fuel		D-xx,xG	
BV30ICA6	PATHFINDER XE V6 4X2 (14.0-P215/75 R15)		3875**	MECS-G415	Control Unit	Injector (SPI Body Assy)		D-xx,xH
	(14.5-P235/75 R15)				RGA50-32 (without ASCD)			
				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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