

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-166
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 1990 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LNS1.8V5FAC4 Displacement: 1.8 Liters (110 Inches³)

Exhaust Emission Control Systems (Special Features):

Three-Way Catalyst
Oxygen Sensor
Pulsed Secondary Air Injection
Exhaust Gas Recirculation
Sequential Multipoint Electronic Fuel Injection
On-Board Diagnostics

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the exhaust emission standards for this engine family:

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.39	7.0	0.4

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

<u>Hydrocarbons</u> <u>(Grams per Mile)</u>	<u>Carbon Monoxide</u> <u>(Grams per Mile)</u>	<u>Nitrogen Oxides</u> <u>(Grams per Mile)</u>
0.26	2.0	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 Code of Regulations, 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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, 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 provisions (California Health and Safety Code Section 43205).

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 ^{5th} day of June, 1989.



K. D. Drachand, Chief
Mobile Source Division

*17.11.00-1

E.O. # A-15-166

17.11.00 1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: LNS1.8V5FAC4

Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel

Eng.Type In-line 4, DOHC Liter (CID) 1.8 (110.4) Evap.Family FI4-2

Emission Control Sys.(Use SAE Abbv.) TWC/PAIR/O2S/EGR/SMPI

Engine:Front X Mid. Rear Drive:FWD X RWD 4WD-FT 4WD-PT

Engine Code/	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	RLHP or DPA	Ign. System (ECU)	EGR Valve	Catalyst **
					Part No.	Part No	Part No.
AC18DCM1	PULSAR NX HATCHBACK COUPE SE	M5	3000	6.4	Control Unit A11-A53	EGR Valve AEY76-99	Yxx,xxB
	PULSAR NX SE HATCHBACK						Yxx,xxC
BC18DCM1 (no A/c)	PULSAR NX HATCHBACK COUPE SE	M5	2875	6.4	Control Unit A11-A53	EGR Valve AEY76-99	Yxx,xx7
	PULSAR NX SE HATCHBACK						Yxx,xx8

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: 03/24/89

Revision Date:

*17.11.00-2

17.11.00 1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. # A-15-166

Page 2

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: LNS1.8V5FAC4

Pass Cars X Lt-Duty Trucks Med-Duty Vehicles Gas X Diesel

Eng.Type In-line 4, DOHC Liter (CID) 1.8 (110.4) Evap.Family FI4-2

Emission Control Sys.(Use SAE Abbrv.) TWC/PAIR/O2S/EGR/SMPI

Engine:Front X Mid. Rear Drive:FWD X RWD 4WD-FT 4WD-PT

Engine Code	Vehicle Models (If Coded see attachment)	Trans. Type	Equiv. Test Weight	RLHP or DPA	Ign. System (ECU)	EGR Valve	Catalyst **
					Part No.	Part No	Part No.
AC18DCA1	PULSAR NX HATCHBACK COUPE SE	L4	3000	6.4	Control Unit A11-A54	EGR Valve AEY76-99	Yxx,xxB Yxx,xxC Yxx,xx7 Yxx,xx8
	PULSAR NX SE HATCHBACK						
BC18DCA1 (NOA/C)	PULSAR NX HATCHBACK COUPE SE						
	PULSAR NX SE HATCHBACK						

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: 03/24/89
 Revision Date: