

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-235  
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 1993 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PNS1.6V5FAA5 Displacement: 1.6 Liters (98 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Three Way Catalytic Converter  
Oxygen Sensor  
Exhaust Gas Recirculation  
Sequential Multiport Fuel Injection

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

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.17	2.1	0.3
100,000	0.17	2.3	n/a

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2290).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

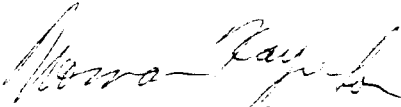
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." for the aforementioned model year (Title 13, California Code of Regulations, Section 1968).

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 (Title 13, California Code of Regulations, 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 02 day of July, 1992.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
AG16DCM3	SENTRS E 2-DOOR SEDAN	M5	2625	6.2			
				6.7			
	SENTRA E 4-DOOR SEDAN			6.2			
				6.7			
				7.2			
	SENTRA XE 2-DOOR SEDAN		2750	6.7	Control Unit A11-C51 (JECS)	EGR Valve EVK77-45	Axxx2 Axxx3 Sxxx1 Sxxx2
	SENTRA SE 2-DOOR SEDAN				JA11 C66 (AUTECS)		
	SENTRA XE 4-DOOR SEDAN			6.7			
				7.2			
	SENTRA GXE 4-ROOR SEDAN						

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

Issue Date: 06/05/92

Revision Date:

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

Engine: Front X Mid.      Rear      Drive : FWD X 2WD 4WD-FT 4WD-PT

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
	NX 1600				Control Unit	EGR Valve EVK77-45	Axxx2 Axxx3
AG16DCM3	NX 1600 (T-BAR ROOF)	M5	2750	6.4 6.8	A11-C51 (JECS) JA11 C66 (AUTECS)		Sxxx1 Sxxx2

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

Issue Date: 06/05/92  
Revision Date:

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
BG16DCM3	SENTRS E 2-DOOR SEDAN	M5	2625	5.6 6.1	Control Unit A11-C51 (JECS) JA11 C66 (AUTECS)	EGR Valve EVK77-45	Axxx2 Axxx3 Sxxx1 Sxxx2
	SENTRA E 4-DOOR SEDAN			5.6 6.1 6.5			
	SENTRA XE 2-DOOR SEDAN			6.1			
	SENTRA SE 2-DOOR SEDAN			6.1 6.5			
	SENTRA XE 4-DOOR SEDAN			6.1 6.5			
	SENTRA GXE 4-ROOR SEDAN			2750			

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

Issue Date: 06/05/92

Revision Date:

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
BG16DCM3	NX 1600	M5	2625	5.8 6.2	Control Unit	EGR Valve	Axxx2 Axxx3
	NX 1600 (T-BAR ROOF)		2750		A11-C51 (JECS)	EVK77-45	Sxxx1 Sxxx2
					JA11 C66 (AUTECS)		

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

Issue Date: 06/05/92

Revision Date:

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
	SENTRS E 2-DOOR SEDAN			6.2 6.7			
	SENTRA E 4-DOOR SEDAN			6.2 6.7 7.2			
AG16DCA3	SENTRA XE 2-DOOR SEDAN	A4	2750	6.7	Control Unit A11-C52 (JEC5)	EGR Valve EVK77-45	Axxx2 Axxx3 Sxxx1 Sxxx2
	SENTRA SE 2-DOOR SEDAN				JA11 C67 (AUTECS)		
	SENTRA XE 4-DOOR SEDAN			6.7 7.2			
	SENTRA GXE 4-ROOR SEDAN						

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

Issue Date: 06/05/92

Revision Date:

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
AG16DCA3	NX 1600	A4	2750	6.4	Control Unit	EGR Valve	Axxx2
					EVK77-45	Axxx3	
	NX 1600 (T-BAR ROOF)			6.8	AI-C52 JECS		Sxxx1
					JA11 C67 (ATECS)		Sxxx2

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

Issue Date: 06/05/92  
Revision Date:



1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-15-235 Page 7 of 8

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/O2S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
BG16DCA3	SENTRS E 2-DOOR SEDAN	A4	2625	5.6			
				6.1			
	SENTRA E 4-DOOR SEDAN		5.6				
			6.1				
			6.5				
	SENTRA XE 2-DOOR SEDAN		2750	Control Unit A11-C52 (JECS)			
SENTRA SE 2-DOOR SEDAN		JA11 C67 (AUTECS)					
	SENTRA XE 4-DOOR SEDAN		6.1				
			6.5				
	SENTRA GXE 4-ROOR SEDAN						

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

Issue Date: 06/05/92

Revision Date:

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A-15-235 Page 8 of 8

Manufacturer: NISSAN MOTOR CO., LTD. Engine Family: PNS1.6V5FAA5

Passenger Car PC (PC) Light-Duty Truck      (T1/T2)

Medium-Duty Vehicle      (M1/M2/M3/M4/M5)

Stds Type : Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV)

Veh.Type (FFV,HEV(type A/B/C)): N.A.

Fuel Type : Gasoline Evap.Family : FI4-2

Engine Config. L4 Liter (CID) 1.6 (97.5)

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

Exhaust ECS & Special Features (incl. CARB, MFI, etc.) TWC/02S/EGR/SFI  
(use abbreviations per SAE 1930 MAY91)

Engine Code (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System- Part No.	Catalyst Part No. **
BG16DCA3	NX 1600	A4	2750	5.8 6.2	Control Unit	EGR Valve	Axxx2
	NX 1600 (T-BAR ROOF)				A11-C52 (SECS)	EVK77-45	Axxx3
					JA11 C67 (AUTECS)		Sxxx1 Sxxx2

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

Issue Date: 06/05/92  
Revision Date: