

7-22-75

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-62  
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 1983 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DNS2.8V5FAA0	146, 168 (2.4, 2.8)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.34	2.4	0.4

BE IT FURTHER RESOLVED: That the listed vehicle models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 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.

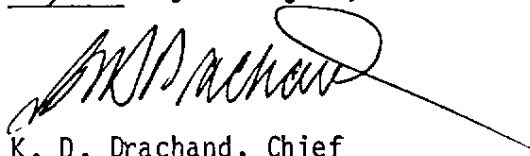
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 17<sup>th</sup> day of August, 1982.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ARB

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-62  
 Engine Family DNS2.8V5FAA0 Engine (CID) 168.0  
 Evaporative Emission Family EVP-EFI-1A

ABBREVIATIONS

<u>Distributor</u>	<u>Exhaust Emissions Control System</u>	
C-Centrifugal Advance	AI-Air Injection	OC-Oxidation Catalyst
V-Vacuum Advance	CAI-Catalyst Air Injection	PAI-Pulse Air Injection
VR-Vacuum Retard	CAB-Chamber Air Bleed	RC-Reduction Catalyst
HEI-High Energy Ignition	DD-Dual Displacement	TC-Turbo Charged
EI-Electronic Ignition	EFI-Electronic Fuel Injection	TR-Thermal Reactor
<u>Fuel System</u>	EGR-Exhaust Gas Recirculation	TWC-Three Way Catalyst
EFI, FI	EM-Engine Modification	(Feedback Control)
nV-nVenturi Carburetor	EFE-Early Fuel Evaporation	<u>EGR Syst. Service</u>
VV-Variable Venturi	ESAC-Electronic Spark Advance	I-Inspect, repair/replace
	Control	as needed
	FI-Fuel Injection	R-Replace

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
L28FM, AL28FM HL28FM, AHL28FM	DATSUN 280ZX 2 SEATER DELUXE	5-Speed Manual
AL28FM, AHL28FM	DATSUN 280ZX 2 SEATER GL DATSUN 280ZX 2 SEATER GL (T-BAR ROOF) DATSUN 280ZX 2+2 SEATER GL DATSUN 280ZX 2+2 SEATER GL (T-BAR ROOF)	5-Speed Manual
AL28FA, AHL28FA	DATSUN 280ZX 2 SEATER GL DATUSN 280ZX 2 SEATER GL (T-BAR ROOF) DATSUN 280ZX 2+2 SEATER GL DATSUN 280ZX 2+2 SEATER GL (T-BAR ROOF)	Automatic

DRIVE SYSTEM: Rear Wheel

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ARB

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-62  
 Engine Family DNS2.8V5FAA0 Engine (CID) 146.0  
 Evaporative Emission Family EVP-EFI-1A

ABBREVIATIONS

Distributor

C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 HEI-High Energy Ignition  
 EI-Electronic Ignition

Fuel System

EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
 CAI-Catalyst Air Injection  
 CAB-Chamber Air Bleed  
 DD-Dual Displacement  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 EFE-Early Fuel Evaporation  
 ESAC-Electronic Spark Advance Control  
 FI-Fuel Injection

OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TC-Turbo Charged  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst (Feedback Control)  
EGR Syst. Service  
 I-Inspect, repair/replace as needed  
 R-Replace

Engine Code

Model

Transmission

AL24FM, AHL24FM	DATSUN 810 MAXIMA 4 DOOR SEDAN	5-Speed Manual
L24FM, AL24FM	DATSUN 810 WAGON DELUXE	5-Speed Manual
HL24FM, AHL24FM	DATSUN 810 MAXIMA WAGON	
AL24FA, AHL24FA	DATSUN 810 MAXIMA 4 DOOR SEDAN	Automatic
L24FA, AL24FA	DATSUN 810 WAGON DELUXE	Automatic
HL24FA, AHL24FA	DATSUN 810 MAXIMA WAGON	

DRIVE SYSTEM: Rear Wheel

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars  Light-Duty Trucks **E.O.# A-15-62**

Manufacturer NISSAN MOTOR CO., LTD. Engine Family DNS2.8V5FAAO Engine (CID) 146.0, 168.0  
 Emission Control System EFI+EGR+TWC+CL +10% (A/C) Yes  No

**NISSAN**

Eng. Family: DNS2.8V5FAAO

**ARB**

Eng. Code	Vehicle Models (refer to page 1)	Trans	Distributor Type: Mfgr. Part Number	Fuel System Type: Mfgr. Part Number	EGR System Part No. Service	Tune-up Specification
L24FM AL24FM HL24FM AHL24FM	DATSUN 810	M-5	HITACHI D6K82-02	Control Unit A11-653755 (M/T) A11-655756 (A/T) (JECS) Air Flow Meter A31-623 (JECS) Injector A46-0011 (JECS) A46-0012 (DKC)	EVK72-45	(1) 8° BTDC @700 RPM (2) None (3) 700 RPM "N" Manual-Neutral(N)
L24FA AL24FA HL24FA AHL24FA		L-4			EVK72-49	(1) 8° BTDC @650 RPM (2) None (3) 650 RPM "D" Automatic-Drive(D)
L28FM AL28FM HL28FM AHL28FM	DATSUN 280ZX	M-5	HITACHI D6K82-01	Control Unit A11-654806 (M/T) A11-652805 (A/T) (JECS) Air Flow Meter A31-622 (JECS) Injector A46-0011 (JECS) A46-0012 (DKC)	EVK72-45	(1) 8° BTDC @700 RPM (2) None (3) 700 RPM "N" Manual-Neutral(N)
AL28FA AHL28FA		L-3			EVK72-49	(1) 8° BTDC @700 RPM (2) None (3) 700 RPM "D" Automatic-Drive(D)

Comments: See page 1 for abbreviations and evaporative emission family identification.

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17.03.00.00 Test Weight/Horsepower List - cont.

Vehicle Model	Test Weight (lbs)	Tire Size	Without A/C factor		With A/C factor	
			Test HP	Coastdown Time (sec.)	Test HP	Coastdown Time (sec.)
DATSUN 280ZX 2 SEATER DELUXE	3125	195/70HR14	8.1	15.30	8.9	14.57
DATSUN 280ZX 2 SEATER GL						
DATSUN 280ZX 2 SEATER GL (T-BAR ROOF)	3250	P205/70R14			8.9	15.16
DATSUN 280ZX 2+2 SEATER GL						
DATSUN 280ZX 2+2 SEATER GL	3375				8.9	15.80
DATSUN 280ZX 2+2 SEATER GL (T-BAR ROOF)	3250					15.16

Note: Since A/C installation ratio is over 33% of this family, only "with A/C factor" is used at certification tests.

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NISSAN

E.O.# A-15-62

Eng. Family: DNS2.8V5FAAO

ARB

17.03.00.00 Test Weight/Horsepower List

Vehicle Model	Test Weight (lbs)	Tire Size	Without A/C factor		With A/C factor	
			Test HP	Coastdown Time(sec.)	Test HP	Coastdown Time(sec.)
DATSUN 810 MAXIMA 4 DOOR SEDAN	3125	185/70SR14	/	/	9.1	14.74
	3250		/	/		15.40
DATSUN 810 WAGON DELUXE			8.3	16.82		15.94
DATSUN 810 MAXIMA WAGON	3375		17.46	16.52		

Note: Since A/C installation ratio is over 33% of this family, only "with A/C factor" is used at certification tests.

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