

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-23  
Relating to Certification of New Motor Vehicles

NISSAN MOTOR COMPANY, LTD.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Nissan Motor Company, Ltd., exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: L241/281C  
Engine: 146/168 CID  
Transmission: 3-speed Automatic, 4-speed Manual, 5-speed Manual  
Exhaust Emission Control System: Electronic Fuel Injection, Exhaust Gas Recirculation, Oxidation Catalyst.

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
L241/281C	0.29	3.4	1.3

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-15-1 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 6 day of October, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer NISSAN Executive Order No. A-15-23 Page 1  
 Engine Family L241/281C Engine (CID) 146/168

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

L241CM  
 AL241CM

DATSUN 810 4-DOOR SEDAN  
 DATSUN 810 5-DOOR WAGON

M4  
 M4

L241CA  
 AL241CA

DATSUN 810 4-DOOR SEDAN  
 DATSUN 810 5-DOOR WAGON

A3  
 A3

L281CM  
 AL281CM

DATSUN 280Z  
 DATSUN 280Z 2+2  
 DATSUN 280Z 5-SPEED  
 DATSUN 280Z 2+2 5-SPEED

M4  
 M4  
 M5  
 M5

L281CA  
 AL281CA

DATSUN 280Z  
 DATSUN 280Z 2+2

A3  
 A3

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars       Light-Duty Trucks       Medium Duty Vehicles

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Engine Family L241/281C      Engine (CID) 146/168      Engine Code \_\_\_\_\_

Emission Control System EFI, EGR, OC      +10%(A/C)      Yes       No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C, V Mfgr. Part Number	Fuel System Type EFI Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	L241CM AL241CM	M4	3000	D6F5-02 #D6F8-01	Control unit A11-603 *K11-603 Air Flow Meter A31-607	EVK72-42	(1) 10° BTCD @700 rpm in Neutral(Manual) 10° BTDC @650 rpm in drive(automatic)  (2) 0.5% CO or lower  (3) 700 rpm in neutral (manual) 650 rpm in drive(automatic)
	L241CA AL241CA	A3		D6F4-03 #D6F8-02	Injector A46-000		
	L281CM AL281CM	M4 M5 A3		D6F4-03 #D6F8-03	Control Unit A11-601 *K11-601		
	L281CA AL281CA			#D6F4-03 #D6F8-04	Air Flow Meter A31-605  Injector A46-000		

Comments: No models have special road load HP settings.  
See page 1 for abbreviations and model codes.

Date of Issue \_\_\_\_\_ Revisions:  
\* R/C L241/281C-1978-4, June 15, 1978

#R/C L241/281C - 1978-2, April 3, 1978 (Also adds R1 designation to engine code)