

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-36  
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 are certified as described below for 1980 model-year gasoline-powered passenger car.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
L24/28C	146/168	Three Way Catalyst Closed Loop (Electronic Fuel Injection)

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

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 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>
L24/28C	0.31	2.2	0.7

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 except Motorcycles".

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, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-15-3 series.

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Nissan Motor Company, Ltd. has provided to the Executive Officer 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 26<sup>th</sup> day of July, 1979.

*K. D. Drachand / RJK*

K. D. Drachand, Acting Chief  
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Nissan Executive Order No. A-15-36 Page 1  
 Engine Family L24/28C Engine (CID) 146/168 L6

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst

Special Features

CCAV-Combustion Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbo Charged

Engine Code

Model

AL24CM  
 L28CM

810 4-door sedan  
 810 5-door wagon  
 810 2-door hardtop

AL24CA  
 L24CA

810 4-door sedan  
 810 2-door hardtop  
 810 5-door wagon

AL28CM  
 L28CM

280 ZX  
 280 ZX T-Bar roof  
 280 ZX 2+2  
 280 ZX Grand Luxury  
 280 ZX Grand Luxury T-Bar  
 280 ZX 2+2 Grand Luxury

AL28CA  
 L28CA

280 ZX  
 280 ZX T-Bar roof  
 280 ZX Grand Luxury  
 280 ZX Grand Luxury T-Bar  
 280 ZX 2+2  
 280 ZX 2+2 Grand Luxury

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E.O. #A 15-36

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

Manufacturer Nissan Motor Company, Ltd.

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Engine Family L24/28C

CID-Type 146/168

Engine Code

ECS (Special Features) TWC, CL (EFI) + 10% (A/C) Yes X No

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA, VA, EI Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident.				
L24CM AL24CM	810-Hardtop 810-4 dr Sedan	M4 M5	(3000) 3125	HITACHI D6K8-01	Control Unit A11-615 (JECS) Air Flow Meter A31-167 (JECS) Injector A46-0021 (JECS) A46-0022 (DKC)		See Page 3				
	810-5 dr Wagon		3250								
L24CA AL24CA	810-Hardtop 810-4 dr Sedan	A3	3125								
	810-5 dr Wagon		3250								
L28CM AL28CM	280 ZX	M5	3125					HITACHI D6K8-22	Control Unit A11-613 (JECS) Air Flow Meter A31-615 (JECS) Injector A46-0021 (JECS) A46-0022 (DKC)		
	280 ZX 2+2		3250								
L28CA AL28CA	280 ZX	A3	3125								
	280 ZX 2+2		3250								

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, equipment and inertia weight class.

Date of Issue -

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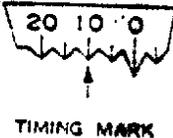
Manufacturer Nissan

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VEHICLE EMISSION CONTROL INFORMATION

THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES PROVIDED THAT THIS VEHICLE IS ONLY INTRODUCED INTO COMMERCE FOR SALE IN THE STATE OF CALIFORNIA. THIS VEHICLE IS CERTIFIED AS HAVING DEMONSTRATED CONFORMANCE WITH FEDERAL AND CALIFORNIA EMISSION STANDARDS ONLY AT ELEVATIONS EQUAL TO OR LOWER THAN 1,219 METERS (4,000 FEET).

- ENGINE FAMILY: L24/28C
- EVAPORATIVE FAMILY: EVP-EFI-IA
- EXHAUST EMISSION CONTROL TYPE: EFI+TWC+CL
- EVAPORATIVE EMISSION CONTROL TYPE: CARBON CANISTER
- ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENT
  - \* AT NORMAL OPERATING TEMPERATURE
  - \* LIGHTS AND AIR CONDITIONER OFF



ENG. DISP.	146.0 CID		168.0 CID	
TRANSMISSION	AUT.	MAN.	AUT.	MAN.
IDLE SPEED	R.P.M.	R.P.M.	R.P.M.	R.P.M.
	650 (D)	700 (N)	700 (D)	700 (N)
IGNITION TIMING	10° B.T.D.C.			
IDLE MIXTURE SETTING	IDLE MIXTURE SCREW IS PRESET AND SEALED AT FACTORY.			
VALVE LASH	INTAKE : .25 MM (.010 IN)-HOT EXHAUST: .30 MM (.012 IN)-HOT			



**CATALYST**  
NISSAN MOTOR CO., LTD.