

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-33  
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>
Z20SC	119	Air Injection Exhaust Gas Recirculation Oxidation Catalyst (Dual spark plugs)

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>
Z20SC	0.29	3.3	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 2200) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-15-3 series.

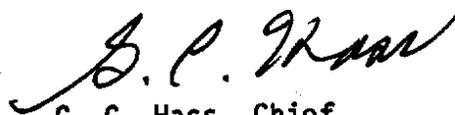
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models sold on or after September 1, 1979 also comply with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Sections 2036 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 9 day of July, 1979.



G. C. Hass, Chief  
Vehicle Emissions Control Division

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 Engine Family Z20SC Engine (CID) 119

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

AZ20SCM  
 Z20SCM  
 AZ20SCA  
 Z20SCA

Model

510 2-door sedan  
 510 5-door Hatchback  
 510 Wagon  
 510 2-door Hatchback

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

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Engine Family Z20SC CID-Type 119 Engine Code \_\_\_\_\_

ECS (Special Features) AI,EGR,OC (dual sparkplugs) + 10% (A/C) Yes X No \_\_\_\_\_

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA,VA,EI Distributor Part No.	Fuel System 2V Carburetor Part No.	EGR Valve Part No.	Label Ident.
AZ20SCM	510 2-door 510 5-dr Hatchback 510 3-dr Hatchback	M4 M5	2625 (2500)	Hitachi D4N9-01	Hitach DCR360-52	AEY76-4	See Page 3
	510 5-door Wagon	M4	2750 (2750)				
Z20SCM					DCR360-51		
AZ20SCA Z20SCA	510 2-door 510 Hatchback 510 5-dr Hatchback	A3	2625 (2500)	D4N9-02	DCR360-53		
	510 Wagon		2700 (2700)				

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.

of Issue -

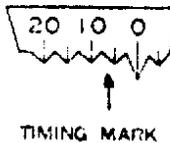
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**VEHICLE EMISSION CONTROL INFORMATION**

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: Z20SC ENGINE DISPLACEMENT: 119.1 C.I.D.
- EVAPORATIVE FAMILY: EVP-CARB-1A
- EXHAUST EMISSION CONTROL TYPE: EGR+EAI+CX.CAT+2PLUG
- EVAPORATIVE EMISSION CONTROL TYPE: CARBON CANISTER
- ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENT
  - \* AT NORMAL OPERATING TEMPERATURE
  - \* LIGHTS AND AIR CONDITIONER OFF
  - \* IGNITION TIMING IS CHECKED WITH VACUUM LINE REMOVED. AFTER THAT, CONNECT VACUUM LINE, TUNE UP ENGINE.



TRANSMISSION	AUTOMATIC	MANUAL
IDLE SPEED	600 R.P.M. (D)	600 R.P.M. (N)
IGNITION TIMING	6° B.T.D.C.	
IDLE MIXTURE SETTING	IDLE MIXTURE SCREW IS PRESET AND SEALED AT FACTORY	
VALVE LASH	INTAKE : .30 MM (.012 IN)-HOT EXHAUST: .30 MM (.012 IN)-HOT	



**CATALYST**

NISSAN-MOTOR CO., LTD.