

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-34
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> |
|----------------------|--------------------------------------|---|
| Z20EC | 119 | Air Injection Exhaust Gas Recirculation Oxidation Catalyst (Dual spark plugs) (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> |
|----------------------|--|---|---|
| Z20EC | 0.21 | 1.2 | 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.

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, Section 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 30th day of July, 1979.

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

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Nissan Executive Order No. A-15-34 Page 1
 Engine Family Z20EC 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

AZ20ECM
 Z20ECM
 AZ20ECA
 Z20ECA

Model

200 SX Hardtop
 200 SX Hatchback

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E.O. #A -15-34

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

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Engine Family Z20EC CID-Type 119-I4 Engine Code _____

ECS (Special Features) AI, EGR, OC (EFI, Dual Plug) + 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. |
|-------------------|--|--------|-----------------------------|---------------------------------|--|--------------------|--------------|
| Z20ECM AZ20ECM | 200 SX | M5 | 2875 (2750) | Hitach D4N9-04 | Control Unit A11-610 (JECS) Air Flow Meter A31-613 (JECS) Injector A46-0021 (JECS) A46-0022 (DKC) | AEY76-5 | See Page 3 |
| Z20ECM AZ20ECA | | A3 | | D4N9-05 | Control Unit A11-611 (JECS) Air Flow Meter A31-613 (JECS) Injector A46-0021 (JECS) A46-0022 (DKC) | | |

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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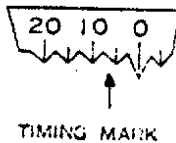
Manufacturer Nissan

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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: Z20EC ENGINE DISPLACEMENT: 119.1 C.I.D.
- EVAPORATIVE FAMILY: EVP-EFI-2A
- EXHAUST EMISSION CONTROL TYPE: EFI+EGR+EAI+OX.CAT+2PLUG
- EVAPORATIVE EMISSION CONTROL TYPE: CARBON CANISTER
- ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENT
 - * AT NORMAL OPERATING TEMPERATURE
 - * LIGHTS AND AIR CONDITIONER OFF

| | | | |
|---|--|---|---------------|
|  <p>20 10 0</p> <p>TIMING MARK</p> | TRANSMISSION | AUTOMATIC | MANUAL |
| | IDLE SPEED | 700 R.P.M.(D) | 700 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.