

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-46  
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 1981 model-year gasoline-powered light-duty truck.

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>           |
|----------------------|---|--|
| BNS2.2T2AC2          | 133.4 (2.2)                                   | Air Injection - Valve<br>Exhaust Gas Recirculation<br>Oxidation Catalyst |

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 1981 model-year vehicles:

| <u>Engine Family</u> | <u>Test<br/>Weight<br/>Class</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|----------------------|----------------------------------|--|---|---|
| BNS2.2T2AC2          | 0-3999                           | 0.28                                   | 3.3                                       | 0.8                                       |
|                      | 4000-6000                        | 0.25                                   | 3.6                                       | 1.1                                       |

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 1981 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 22<sup>nd</sup> day of July, 1980.

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

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Engine Family BNS2.2T2AC2 Evaporative Family EVP-CARB-1A

ABBREVIATIONS Engine CID (Liters) 133.4 (2.2)

Ignition System

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

Exhaust Emissions Control System

AIP-Air Injection-Pump  
AIV-Air Injection-Valve  
CL-Closed Loop  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
OC-Oxidation Catalyst System  
TR-Thermal Reactor  
TWC-Three Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
CFI-Central Fuel Injection  
DI-Diesel Injection  
EFI-Electronic Fuel Injection  
MFI-Mechanical Fuel Injection  
TC-Turbocharged

Fuel System

CFI, DI, EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Vehicle Models: Datsun Pickup Regular Standard  
Regular  
Long Wheelbase  
King Cab  
Cab & Chassis\*  
Heavy Duty Truck  
4WD Regular  
4WD Long Wheelbase  
4WD King Cab

\*Only model in 4000-6000 pound test weight class

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Nissan Motor Company, Ltd.

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Engine Family BNS2.2T2AC2

Engine Code -

ECS (Special Features) AIV,EGR,OC

CID (Liters)-Type 133.4(2.2)-I4

| Engine Code                | Vehicle Models (If Coded see attachment) | Trans. | Test Weight Class | Ign. System CA,VA,EI Distributor Part No. | Fuel System 2V Part No. | EGR Valve Part No. | Label Ident. Part No. |
|----------------------------|--|--------|-------------------|---|-------------------------|--------------------|-----------------------|
| PZ22CA (w/o AC)            | Pickup                                   | A-3    | 2750              | D4N80-15                                  | DCR342-13               | AEY76-4            | 14805-07W00           |
| PAZ22CA (w/AC)             | Regular                                  |        |                   |   |                         |                    |                       |
|                            | Long Wheel King Cab                      |        | 2875              |   |                         |                    |                       |
| Z22CM1 or PZ22CM1 (w/o AC) | Regular Std.                             | M-4    | 2750              | D4N80-14                                  | DCR342-11 (w/o AC)      |                    |                       |
|                            | Regular                                  | M-5    |                   |   | DCR342-12 (w/AC)        |                    |                       |
| AZ22CM1 or PAZ22CM1 (w/AC) | Long Wheel King Cab                      |        | 2875              |   |                         |                    |                       |

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 and equipment.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -7-22-80

## 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Nissan Motor Company, Ltd.

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Engine Family BNS2.2T2AC2

Engine Code -

ECS (Special Features) AIV,EGR,OC

CID (Liters)-Type 133.4(2.2)-I4

| Engine Code      | Vehicle Models (If Coded see attachment) | Trans. | Test Weight Class | Ign. System CA,VA,EI Distributor Part No. | Fuel System 2V Part No. | EGR Valve Part No. | Label Ident. Part No. |
|------------------|--|--------|-------------------|---|-------------------------|--------------------|-----------------------|
| PZ22CM3 (w/o AC) | Pickup 4WD                               | M-4    | 3250              | D4N80-17                                  | DCR342-17 (w/o AC)      | AEY76-4            | 14805-07W00           |
| PAZ22CM3 (w/AC)  | Regular Long Wheel                       |        |                   |   |                         |                    |                       |
|                  | King Cab Regular <sup>(1)</sup>          | M-5    |                   |   |                         |                    |                       |
| PZ22CM2 (w/o AC) | Pickup                                   | M-4    | 2875              |   | DCR342-21 (w/o AC)      |                    |                       |
|                  | Heavy Duty Tk.                           |        |                   |   |                         |                    |                       |
| PAZ22CM2 (w/AC)  | Cab & Chassis                            |        | 3875              |   | DCR342-22 (w/AC)        |                    | 14805-07W60           |

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 and equipment.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -7-22-80

Revisions: (1) R/C 22T2C-81-05 Add M-5 Transmission to Regular Model.033181