State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-62-1
Relating to Certification of New Motor Vehicles

NISSAN MOTOR CO., LTD.

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1983 model-year Nissan Motor Co., Ltd. exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

| Engine Family | Displacement Cubic Inches (Liters) | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| DNS2.8V5FAA0 | 146, 168 (2.4, 2.8) | Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop<br>(Electronic Fuel Injection) |

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

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 0.39 | 7.0 | 0.7 |

The following are the certification emission values for this engine family:

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 0.34 | 2.4 | 0.4 |

BE IT FURTHER RESOLVED: That the listed vehicle models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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."

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

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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.

This Executive Order supersedes Executive Order A-15-62, dated August 17, 1982.

Executed at El Monte, California this 13th day of August, 1985.

K. D. Drachand, Chief
Mobile Source Division

# 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ARB

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-62-1

Engine Family DNS2.8V5FAA0 Engine (CID) 168.0

Evaporative Emission Family EVP-EFI-1A

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 |
|---|---|---|---|
| L28FM, AL28FM HL28FM, AHL28FM | DATSUN 280ZX | 2 SEATER DELUXE | 5-Speed Manual |
| AL28FM, AHL28FM | DATSUN 280ZX | 2 SEATER GL | 5-Speed Manual |
| | DATSUN 280ZX | 2 SEATER GL (T-BAR ROOF) | |
| | DATSUN 280ZX | 2+2 SEATER GL | |
| | DATSUN 280ZX | 2+2 SEATER GL (T-BAR ROOF) | |
| AL28FA, AHL28FA | DATSUN 280ZX | 2 SEATER GL | Automatic |
| | DATUSN 280ZX | 2 SEATER GL (T-BAR ROOF) | |
| | DATSUN 280ZX | 2+2 SEATER GL | |
| | DATSUN 280ZX | 2+2 SEATER GL (T-BAR ROOF) | |

DRIVE SYSTEM: Rear Wheel

NISSAN

Eng. Family: DNS2.8V5FAA0

# 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ARB

Manufacturer NISSAN MOTOR CO., LTD. Executive Order No. A-15-62-1

Engine Family DNS2.8V5FAA0 Engine (CID) 146.0

Evaporative Emission Family EVP-EFI-1A

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 |
|---|---|---|
| AL24FM,AHL24FM | DATSUN 810 MAXIMA 4 DOOR SEDAN | 5-Speed Manual |
| L24FM, AL24FM | DATSUN 810 WAGON DELUXE | 5-Speed Manual |
| HL24FM,AHL24FM | DATSUN 810 MAXIMA WAGON | |
| AL24FA,AHL24FA | DATSUN 810 MAXIMA 4 DOOR SEDAN | Automatic |
| L24FA, AL24FA | DATSUN 810 WAGON DELUXE | Automatic |
| HL24FA,AHL24FA | DATSUN 810 MAXIMA WAGON | |

DRIVE SYSTEM: Rear Wheel

| Issue Date: 06/21/82 | 17.02-DNS2.8V5FAA0-1 | | | | PAGE IS ☐ SATISFACTORY ☐ UNSATISFACTORY |
|---|---|---|---|---|---|
| Revision | | | | | DATE __/__/__ |
| Date | | | | | EPA REP |

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks E.O.# A-15-62-1

Manufacturer NISSAN MOTOR CO., LTD. Engine Family DNS2.8V5FAA0 Engine (CID) 146.0, 168.0

Emission Control System EFI+EGR+TWC+CL +10% (A/C) Yes X No __

| Eng. Code | Vehicle Models (refer to page 1) | Trans | Distributor Type: Mfgr. Part Number | Fuel System Type: Mfgr. Part Number | EGR System Part No. Service | Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed |
|---|---|---|---|---|---|---|
| L24FM<br>AL24FM<br>HL24FM<br>AHL24FM | DATSUN 810 | M-5 | HITACHI<br>D6K82-02 | Control Unit<br>A11-653755 (M/T)<br>A11-655756 (A/T)<br>(JECS)<br>Air Flow Meter<br>A31-623<br>(JECS)<br>Injector<br>A46-0011<br>(JECS)<br>A46-0012<br>(DKC) | EVK72-45 | (1) 8° BTDC @700 RPM<br>(2) None<br>(3) 700 RPM "N"<br>Manual-Neutral(N) |
| L24FA<br>AL24FA<br>HL24FA<br>AHL24FA | | L-4 | | | EVK72-49 | (1) 8° BTDC @650 RPM<br>(2) None<br>(3) 650 RPM "D"<br>Automatic-Drive(D) |
| L28FM<br>AL28FM<br>HL28FM<br>AHL28FM | DATSUN 280ZX | M-5 | HITACHI<br>D6K82-01 | Control Unit<br>A11-654806 (M/T)<br>A11-652805 (A/T)<br>(JECS)<br>Air Flow Meter<br>A31-622<br>(JECS)<br>Injector<br>A46-0011<br>(JECS)<br>A46-0012(DKC) | EVK72-45 | (1) 8° BTDC @700 RPM<br>(2) None<br>(3) 700 RPM "N"<br>Manual-Neutral(N) |
| AL28FA<br>AHL28FA | | L-3 | | | EVK72-49 | (1) 8° BTDC @700 RPM<br>(2) None<br>(3) 700 RPM "D"<br>Automatic-Drive(D) |

Comments: See page 1 for abbreviations and evaporative emission family identification.

ARB

NISSAN

Eng. Family: DNS2.8V5FAA0

Issue Date: 06/21/82

17.02-DNS2.8V5FAA0-3

Revision

Date

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DATE __/__/__

EPA REP

E.O.# A-15-62-1

NISSAN

Eng. Family: DNS2.8V5FAAO

ARB

17.03.00.00 Test Weight/Horsepower List - cont.

| Vehicle Model | Test Weight (lbs) | Tire Size | Without A/C factor | | With A/C factor | |
|---|---|---|---|---|---|---|
| | | | Test HP | Coastdown Time (sec.) | Test HP | Costdown Time (sec.) |
| DATSUN 280ZX 2 SEATER DELUXE | 3125 | 195/70HR14 | 8.1 | 15.30 | 8.9 | 14.57 |
| DATSUN 280ZX 2 SEATER GL | | P205/70R14 | | | | |
| DATSUN 280ZX 2 SEATER GL (T-BAR ROOF) | 3250 | | | | | 15.16 |
| DATSUN 280ZX 2+2 SEATER GL | | | | | | |
| DATSUN 280ZX 2+2 SEATER GL (T-BAR ROOF) | 3375 | | | | | 15.80 |
| | 3250 | | | | | 15.16 |

Note: Since A/C installtion ratio is over 33% of this family, only "with A/C factor" is used at certification tests.

E.O.# A-15-62 -1

NISSAN

Eng. Family: DNS2.8V5FAAO

ARB

17.03.00.00 Test Weight/Horsepower List

| Vehicle Model | Test Weight (lbs) | Tire Size | Without A/C factor | | With A/C factor | |
|---|---|---|---|---|---|---|
| | | | Test HP | Coastdown Time(sec.) | Test HP | Coastdown Time(sec.) |
| DATSUN 810 MAXIMA 4 DOOR SEDAN | 3125 | 185/70SR14 | | | 9.1 | 14.74 |
| | 3250 | | | | | 15.40 |
| DATSUN 810 WAGON DELUXE | | | 8.3 | 16.82 | | 15.94 |
| DATSUN 810 MAXIMA WAGON | 3375 | | | 17.46 | | 16.52 |

Note: Since A/C installation ratio is over 33% of this family, only "with A/C factor" is used at certification tests.