State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-15-38
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 light duty trucks.

| Engine Family | Displacement Cubic Inches | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| TL20C | 119 | Air Injection<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 1980 model-year vehicles:

| Engine Family | Inertia Weight Class | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|---|
| TL20C | 0-3999 | 0.23 | 3.4 | 1.4 |

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 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 8th day of August, 1979.

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

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# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Engine Family TL20C 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 | Model |
|---|---|
| ATL20CM1 | Pickup |
| TL20CM1 | Pickup Long Wheelbase |
| | Pickup King Cab |
| ATL20CM2 | Cab & Chassis |
| TL20CM2 | |
| ATL20CA | Pickup |
| TL20CA | Pickup Long Wheelbase |
| | Pickup King Cab |
| ATL20CM3 | Pickup 4WD |
| TL20CM3 | Pickup Long Wheelbase Deluxe 4WD |
| | Pickup King Cab Deluxe 4WD |

Issued: 080879. EC ATL20CM3 & TL20CM3 added by RC TL20C-1980-3, on 033180.

E.O. #A-15-38

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Nissan Motor Co., Ltd. Page 2

Engine Family TL 20C CID-Type 2.0L 119-I4 Engine Code

ECS (Special Features) AI, EGR, OC + 10% (A/C) Yes ____ No X

| Engine Code | Vehicle Models (If Coded see attachment) | Trans. | Test Weight Class (Inertia) | Ign. System CA, VA, EI Part No. | Fuel System 2V Part No. | EGR Valve Part No. | Label Ident. |
|---|---|---|---|---|---|---|---|
| TL20CM1<br>ATL20CM1 | Datsun Pickup | M4<br>M5 | (2750)<br>2750 | HITACHI<br>D4K8-08 | HITACHI<br>DCH340-111 | AEY 75-22 | See Page 3 |
| TL20CM1-R4<br>ATL20CM1-R4 | Pickup Long Wheel-base<br>Pickup King Cab | | 2875 | | HITACHI<br>DCH 340-121 | | |
| TL20CA<br>ATL20CA | Datsun Pickup<br>Pickup Long Wheel-base<br>Pickup King Cab | A3 | 2750<br>2875 | HITACHI<br>D4K9-02 | HITACHI<br>DCH340-112 | | See Page 4 |
| TL20CM2<br>ATL20CM2 | Cab & Chassis | M4 | (3500)<br>3750 | HITACHI<br>D4K8-10 | HITACHI<br>DCH340-115 | | See Page 5 |
| TL20CM3<br>ATL20CM3<br>4WD | Datsun Pickup<br>Pickup Long Wheelbase Deluxe | | (3000)<br>3125 | HITACHI<br>D4K9-08 | HITACHI<br>DCH340-119 | | See Page 3 |
| | Pickup King Cab Deluxe | M5 | (3000)<br>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 - 080879

Revisions: R/C TL20-1980-3, add Eng. Codes TL20CM3&ATL20CM3
R/C TL20-1980-4, add Eng. Codes TL20CM1-R4 & ATL20CM1-R4

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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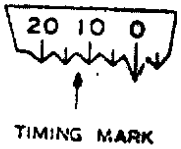
Datsun Pickup with manual transmission (2WD & 4WD)

## 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 (4,000FEET).

- ENGINE FAMILY: TL20C ENGINE DISPLACEMENT: 119.1 C.I.D.
- EVAPORATIVE FAMILY: EVP-CARB-1A
- EXHAUST EMISSION CONTROL TYPE: AIS+EGR+OX.CAT
- 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 | MANUAL |
| IDLE SPEED | 600R.P.M.(N) |
| IGNITION TIMING | 12° B.T.D.C. |
| IDLE MIXTURE SETTING | CO 1.0 ±0.5 % WITHOUT AIR INJECTION |
| VALVE LASH | INTAKE : .25 MM (.010 IN)-HOT<br>EXHAUST: .30 MM (.012 IN)-HOT |

Issued: 080879.
4WD added by RC TL20C-1980-3, on 033180.

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Nissan Executive Order No. A-15-38 Page 4

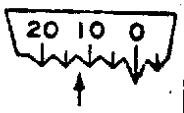
Datsun Pickup with automatic transmission

## VEHICLE EMISSION CONTROL INFORMATION

THIS VEHICLE COMFORMS 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 COMFORMANCE WITH FEDERAL AND CALIFORNIA EMISSION STANDARDS ONLY AT ELEVATIONS EQUAL TO OR LOWER THAN 1,219 METERS (4,000FEET).

- ENGINE FAMILY: TL20C ENGINE DISPLACEMENT: 119.1 C.I.D.
- EVAPORATIVE FAMILY: EVP-CARB-1A
- EXHAUST EMISSION CONTROL TYPE: AIS+EGR+OX.CAT
- 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.




TIMING MARK

| | |
|---|---|
| TRANSMISSION | AUTOMATIC |
| IDLE SPEED | 600R.P.M. (D) |
| IGNITION TIMING | 12°B.T.D.C. |
| IDLE MIXTURE SETTING | CO 1.0 ± 0.5 % WITHOUT AIR INJECTION |
| VALVE LASH | INTAKE : .25 MM (.010 IN) -HOT<br>EXHAUST: .30 MM (.012 IN) -HOT |

# 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Nissan Executive Order No. A-15-38 Page 5

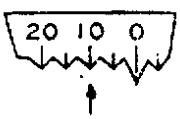
Datsun Cab and Chassis

## 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, WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 3,450 POUNDS AND A MAXIMUM FRONTAL AREA OF 38.5 SQUARE FEET. 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 (4,000FEET).

- ENGINE FAMILY: TL20C ENGINE DISPLACEMENT: 119.1 C.I.D.
- EVAPORATIVE FAMILY: EVP-CARB-1A
- EXHAUST EMISSION CONTROL TYPE: AIS+EGR+OX.CAT
- 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 | MANUAL |
| IDLE SPEED | 600R.P.M.(N) |
| IGNITION TIMING | 10° B.T.D.C. |
| IDLE MIXTURE SETTING | CO 1.0 $\pm^{1.0}_{0.7}$ % WITHOUT AIR INJECTION |
| VALVE LASH | INTAKE : .25 MM (.010 IN)-HOT<br>EXHAUST: .30 MM (.012 IN)-HOT |