State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-133-1
Relating to Certification of New Motor Vehicles


FOUR WHEEL DRIVE ENGINEERING INC.


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 Four Wheel Drive Engineering Inc. exhaust
emission control systems for 1978 model-year light-duty trucks are
certified for the vehicles described below:

        Engine Family:   TL200C                              —
              Engine:   119 CID
        Transmission:   3-speed Automatic, 4-speed Manual
        Exhaust Emission Control Systems:  Air Injection, Exhaust Gas
                                           Recirculation, Oxidation Catalyst

        Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal
required by California Assembly-Line Test Procedures for 1978 model-year
vehicles:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| TL200C | 0.4 | 9 | 1.7 |

BE IT FURTHER RESOLVED:  That the above models also comply with the
Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel
Tanks" (13 California Administrative Code, Section 2290) for the afore-
mentioned model year, or have been granted a temporary exemption from the
aforementioned "Specifications" by Executive Order AA-15-1 series.

BE IT FURTHER RESOLVED:  That the above models also comply with
"California Evaporative Emission Standards and Test Procedures for
1978 and Subsequent Model Gasoline-powered Motor Vehicles except
Motorcycles".

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this ___18___ day of November, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

# 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Engine Family TL200C (Nissan)    Engine (CID)    119

## 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 |
|---|---|---|
| TL200CM1 | Datsun 620 Pickup | 4M |
| TL200CA | Datsun 620 Pickup | 3A |

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

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Engine Family_TL200C (Nissan)_    Engine (CID) _119_    Engine Code _____

Emission Control System _AI, EGR, OC_     +10%(A/C)   Yes ☐   No ☒

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans | Inertia Weight Class | Distributor Type<br><br>Mfgr. Part Number | Fuel System Type<br><br>Mfgr. Part Number | EGR System<br><br>Part No. Service | Tune-Up Specification<br><br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed |
|---|---|---|---|---|---|---|---|
| | TL200 CM1 | 4M | 3500 | D4F7-02 | DCH340-95 | AEY75-22 | (1) 12° BTDC @600 RPM<br><br>(2) 1.0 + 1.0% - 0.7 CO without Air Injection<br><br>(3) 600 RPM Manual-Neutral Automatic-Drive |
| | TL200CA | 3A | | D4F6-07 | DCH340-96 | | |

Comments: _No_   models have special road load HP settings.
See page 1 for abbreviations and model codes.

Date of Issue 11-14-77 Revisions: