

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-214-4  
Relating to Certification of New Motor Vehicles

ECONOMY TRUCK MANUFACTURING

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 Economy Truck Manufacturing exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered light duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
TL20C (Nissan)	119	Air Injection Exhaust Gas Recirculation 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:

<u>Engine Family</u>	<u>Inertia Weight Class</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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 Economy Truck Manufacturing 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 24<sup>th</sup> day of October, 1979.

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

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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

ATL20CM2  
 TL20CM2

Model

Heavy Duty Mini Service Truck  
 Deluxe Tag Axle Service Truck

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

Manufacturer Economy Truck Manufacturing Page 2

Engine Family TL 20C CID-Type 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.
TL20CM2 ATL20CM2		M4	(3500) 3750	HITACHI D4K8-10	HITACHI DCH340-115		See Page 3

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 -

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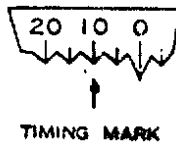
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VEHICLE EMISSION CONTROL INFORMATION

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, 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 (4,000 FEET).

- 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 ± 0.7% WITHOUT AIR INJECTION
VALVE LASH	INTAKE : .25 MM (.010 IN) -HOT EXHAUST: .30 MM (.012 IN) -HOT