State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-214-5
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.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
20R(TC) (Toyota)	134	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:

Engine Family	Inertia Weight Class	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
20R(TC)	0-3999	0.18	6.5	1.2

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 24th day of October, 1979.

K. D. Drachand by RW

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

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Engine Family 20R (TC) Engine (CID) 134

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
3, 6	Heavy Duty Mini Service Truck Deluxe Tag Axle Service Truck

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

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Engine Family 20R(TC) CID-Type 134-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 Distributor Part No.	Fuel System 2V Carburetor Part No.	EGR Valve Part No.	Label Ident.
3, 6		4M	3500 (3500)	Nippondenso 19100-38250	Aisan Kogyo 21100-38491	25620 - 38191	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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VEHICLE EMISSION CONTROL INFORMATION

ENGINE FAMILY 20R(TC) 133.6 CID
EVAP. FAMILY EV-RC
EXHAUST EMISSION CONTROL SYSTEM AI+EGR+CCo

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKE FULL OPEN. AIR CLEANER INSTALLED AND AIR CONDITIONER OFF.

ENGINE TUNE UP SPECIFICATIONS

IDLE SPEED (RPM)	800(N)
IGNITION TIMING(°BTDC)	8° @ MAX. 950RPM
IDLE MIXTURE SETTING (SEE REPAIR MANUAL FOR THE PARTICULARS)	LEAN DROP IDLE SET TO THE FOLLOWING VALUE AT BEST IDLE 870(N) TURN IN IDLE MIXTURE ADJUSTING SCREW UNTIL 800(N)
FAST IDLE SPEED (RPM)	2400. WITH THE VACUUM HOSE DISCONNECTED FROM EGR VALVE AND DISTRIBUTOR AND SEALED.
THROTTLE POSITIONER SETTING SPEED(RPM)	1050(N)
VALVE CLEARANCE(IN.)	INTAKE 0.008(0.20mm) EXHAUST 0.012(0.30mm)

TOYOTA [illegible] CATALYST

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES AND HAS DEMONSTRATED COMPLIANCE AT ALTITUDE BELOW 4,000 FEET.
WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 3,260 POUNDS AND A MAXIMUM FRONTAL AREA OF 37.5 SQUARE FEET.