State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-188
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR CORPORATION

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 1991 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: MTY3.0T5FBB9 Displacement: 3.0 Liters (180 Cu. In.)

Exhaust Emission Control Systems and Special Features:

Three-Way Catalyst
Heated Oxygen Sensor
Pulsed Secondary Air Injection
Exhaust Gas Recirculation
Multipoint Electronic Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.39	9.0	0.7

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

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0-3750	0.16	2.1	0.1

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Code of Regulations which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard based on actual sales of 1990 model-year California-certified light-duty trucks of 0-3750 pound loaded vehicle weight.

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 Code of Regulations, 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 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (California Health and Safety Code Section 43205).

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 10 day of August, 1990

for John A. Henderson
R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O. # A-14-188

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer TOYOTA Engine family MTY3.0T5FBB9

Passenger Cars ___ Light-Duty Trucks x Medium-Duty Vehicles ___ Fuel Type Gasoline

Eng. Type 6 cyl. 60° V-6 Liter (CID) 3.0 (180.5) Evap.Family EV-E

Emission Control System & Special Features MPI + PAIR + EGR + HO2S + TWC
(Use abbreviation per SAE J1930 Jun88)

Engine :Front x Mid. ___ Rear ___ Drive: FWD ___ RWD x 4WD-FT ___ 4WD-PT ___

Certification std. : 0.7 NOx

Engine Code/ (Cert std.)	Veh. Models (If Coded see attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP or DPA	Ign. System (PCME/PROM) Part No.	EGR System Part No.	Catalyst Part No.
5	VZN85L-THMDEA VZN90L-CRMDEA -CRMGEA	M5	3375	12.4 11.3 11.3, 11.4	89661-35530	25620-65030	18450-65030 (H02) *1
6	VZN85L-THMDEA VZN90L-CRMDEA -CRMGEA		3375 3500	12.4 12.4, 12.6			
7	VZN85L-THSDEA VZN90L-CRSDEA -CRPGEA	A4	3375	12.4 11.3 11.3, 11.4	89661-35540		
8	VZN85L-THSDEA VZN90L-CRSDEA -CRPGEA		3375 3500	12.4 12.4, 12.6			

Comments : Please refer to manufacturer's HP list for correct dyno test HP setting based on model and equipment.

Note *1 : Parenthetical information represents identifying marks found on production parts.

VEHICLE MODELS :

Truck 2WD
VZN85L-THMDEA
-THSDEA
VZN90L-CRMDEA
-CRMGEA
-CRPGEA
-CRSDEA