State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER P-14-12
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 1990 model-year Toyota Motor Corporation federally-certified emission control systems are certified for sale in California as described below for gasoline-powered light-duty trucks:

Engine Family: LTY3.0T5FBEO Displacement: 3.0 Liters (180 Cu. In.)

Exhaust Emission Control Systems:

Three-Way Catalyst
Heated Oxygen Sensor
Pulsed Secondary Air Injection
Exhaust Gas Recirculation
Multipoint Electronic Fuel Injection
On-Board Diagnostics (Exempted)

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)
3,751 - 5,750	0.80	10.0	1.7

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)
3,751 - 5,750	0.27	3.5	1.0

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 "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided evidence of federal certification of vehicle models listed in the attachments which are not available as California-certified models.

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate that the vehicle manufacturer has sufficient emissions credits for its estimated California sales of federally-certified 1990 model-year vehicles using the "Guidelines for Certification of 1983 and Subsequent Model-Year Federally Certified Light-Duty Motor Vehicles For Sale in California" (Title 13, California Code of Regulations, Section 1960.5).

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 regulations (Title 13, California Code of Regulations, Section 2035 and 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 14th day of September, 1989.

for K. D. Drachand, Chief
Mobile Source Division

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1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer TOYOTA Engine family LTY3.0T5FBE0

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

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

Emission Control Sys. (Use SAE Abbrv.) PAIR , MPI, EGR, HO2S, TWC

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

Engine Code/ (Cert std.)	Veh. Models (If Coded see attachmt.)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ign. System (ECU/PROM) Part No.	EGR System Part No.	Catalyst Part No.
7 & 8	VZN85L-TWMREA6 VZN95L-TWMREA6	M5	4,250 5,250	29.4	89661-35420	25620-65020 25620-65021*2 25620-65022*3	18450-65020 (H01)*1
9 & 10	VZN85L-TWSREA6 VZN95L-TWSREA6	A4	4,250 5,250	29.4	89661-35430	25620-65020 25620-65021*2 25620-65022*3	

Comment : 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.

*2 : After Running change : 90-TR-17

*3 : After Field fix : 90-TF-6

VEHICLE MODELS :

Cab/Chassis2WD
VZN85L-TWMREA6
-TWSREA6
VZN95L-TWMREA6
-TWSREA6