State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-152
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 emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: LTY4.0V6FCC7 Displacement: 4.0 Liters (242 Inches^3)

Equipped with the following exhaust emission control systems:

Exhaust Gas Recirculation
Heated Oxygen Sensor
Oxygen Sensor
Three-Way Catalyst
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:

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.39	7.0	0.4

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

Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
0.22	0.8	0.2

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".

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 have been granted an exemption from compliance 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 (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 12th day of May, 1989.

K. D. Drachand, Chief
Mobile Source Division

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1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page _____

Manufacturer TOYOTA Engine family LTY4.0V5FCC7

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

Eng. Type 90° V-8 Liter (CID) 4.0 (242.1) Evap.Family EV-ME

Emission Control Sys. (Use SAE Abbrv.) MPI, EGR, HO2S, O2S, 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.
1	UCF10L-AEPGKA	A4	4,000	8.2	89661-50030*1*4 89661-50040*2*4 89661-50032*1*5 89661-50042*2*5	25620-50010	Start catalyst 18450-50010 (A01)*3 Under floor: 18450-50020 (D01)*3

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

Note *1 : With traction control system.

*2 : Without traction control system.

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

*4 : Before field fix 90-TF-1

*5 : After field fix 90-TF-1

VEHICLE MODEL :

LS400

UCF10L-AEPGKA