

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-275
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 1995 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: STY4.0VJG1GK Displacement: 4.0 Liters (242.1 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Sequential Multiport Fuel Injection
- Exhaust Gas Recirculation
- Dual Heated Oxygen Sensors (two)
- Dual Three Way Catalytic Converters
- Three Way Catalytic Converter
- On-Board Diagnostic II

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

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.11	0.9	0.1
100,000	0.12	0.9	n/a

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

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth 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 under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 5th day of October, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: TOYOTA Engine Family: STY4.0VJG1GK
 Evaporative Family: STY1115AYM10 Evap Std: 50K Useful Life with R/L x
 Exh Std: Tier-0__ Tier-1 x TLEV__ LEV__ ULEV__ ZEV__ ; EPA Tier-0__ EPA Tier-1__
 Veh Class(es): PC x LDT1__ LDT2__ MDV1__ MDV2__ MDV3__ MDV4__ MDV5__
 Single Cert Std for Multi-Class Eng Fam: (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
 Exh Cert Fuel(s): Indo__ Ph2 x Diesel: 13 CCR 2282__ or 40 CFR 86.113-90__ or -94__
 M85__ CNG__ LPG__ Other (specify)_____
 Fuel Type(s): Dedicated x Flex-Fuel__ Dual-Fuel__ Gasoline x Diesel__ M85__
 CNG__ LNG__ LPG__ Other (specify)_____
 Hybrid: Type A__ B__ C__, APU Cycle (e.g., Otto, Diesel, Turbine)_____
 Engine Configuration: V-8 Displacement: 4.0 / _____ Liters 242.1 / _____ Cubic Inches
 Engine: Front x Mid__ Rear__ Drive: FWD__ RWD x 4WD-FT__ 4WD-PT__
 Exhaust ECS (eg., EGR, MFI, TC, CAC): _____ SFI, EGR, 2HO2S(2), 2TWC, TWC, OBD2
 (use abbreviations per SAE J1930 SEP91)

Engine code (also list CA/49/50ST)	Vehicle Models (if coded see attachment)	Trans. Type: A/L-auto M-manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
1	UCF20L-AEPGKA	L4	4000	7.7	89661-50230	25620-50020	Front : A01 Rear : D01
1R1					89661-50231*1 89661-50232*2 89661-50233*3 89661-50234*4		

- Note *1 : After R/C 95-TR-9 & Before F/F 95-TF-1.
 *2 : After F/F 95-TF-1 & Before F/F 95-TF-4.
 *3 : After F/F 95-TF-4 & Before F/F 95-TF-5.
 *4 : After F/F 95-TF-5.

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

VEHICLE MODELS :

LS400
UCF20L-AEPGKA