State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-367 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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 2000 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: YTYXV03.0FFE Displacement: 3.0 Liters (183 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Dual Warm-Up Three Way Catalytic Converters Three Way Catalytic Converter Dual Air Fuel Ratio Sensors Heated Oxygen Sensor Sequential Multiport Fuel Injection

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

<u>Miles</u>	Non-Methane Carbon liles Organic Gases Monoxide		Oxides of <u>Nitrogen</u>	<u>Formaldehyde</u>	Carbon <u>Monoxide (20°F)</u>	
50,000	0.075	3.4	0.2	0.015	10.0	
100,000		4.2	0.3	0.018	n/a	

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for non-methane organic gases (NMOG) reflect application of a 0.94 RAF for 2000 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane <u>Organic Gases</u>	Carbon <u>Monoxide</u>	Oxides of <u>Nitrogen</u>	<u>Formaldehyde</u>	Carbon Monoxide (20°F)
50,000 100,000	0.053 0.060	0.6 0.8	0.2	0.001	4.0 n/a

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 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 vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, 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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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 and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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 (Title 13, California Code of Regulations, Section 2035 et seq.).

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 26 day of August 1999.

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CR. B. Summerfield, Chief

Mobile Source Operations Division

M07

2000 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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All Eng Cor Exh Std: Veh Class(e Single Cert Fuel Type(s Exh Emiss Evaporative Service Acc NMOG Ter Engine Cor Valves per Engine: Exhaust EC	des in Eng Fam: CA CA Tier-1 TLEV es): PC x LDT1 L Std for Multi-Class Eng Fam: s): Dedicated x Fi CNG LNG Test Fuel(s): Indo Diesel: e Emission Test Procedure: cum: Std AMA st Procedure: N/A figuration V-6 Cylinder: 4 Front x Mid Rec CS (e.g., MFI, EGR, TC, CAC) A/F S means air fuel ratio sen	49S	LPG C 2282 fornia AMA Drive:	S_x	65, OR	VR: YES _x US EPA Tie MDV4 MD V2, MDV3, MDV4 Gasoline _x Die Other (specify) 40 CFR 86.113 specify) HED _x Pt Sou 183 Cubic Inches	NO er-1 IV5) essel -94 Irce
Engine Code		Trans.					Catalytic
(also list		l` ′	or	li e	Ignition	ECD	Catalytic Converter
		A4,			` '	1-0000	,
50ST	(if coded see attachment)	etc.)	Wt	RLHP	Part No.	Part No.	Part No.
1	MCU15L-AWPGKA			9.8	89661-48080*1 89661-48081*2		W02
	MCLILOL AW/DOKA	1	4000	8 9	89661-48070*1	1	W03

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

89661-48071*2

Note *1 : Before Running Change 00-TR-16

*2 : After Running Change 00-TR-16

VEHICLE MODELS:	
RX 300	RX 300 4WD
MCU10L-AWPGKA	MCU15L-AWPGKA

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