File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-258
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:

Emission Standard Category: Transitional Low-Emission Vehicle (TLEV)

Fuel Type: Gasoline

Engine Family: STY2.2VJG2GA Displacement: 2.2 Liters (132 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection
Exhaust Gas Recirculation
Oxygen Sensors (two)
Three Way Catalytic Converters (two)

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

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

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
50,000	0.125	3.4	0.4	0.015
100,000	0.156	4.2	0.6	0.018

Reactivity Adjustment Factor for NMOG Mass Emission: 0.98

The certification exhaust emission values set forth for non-methane organic gas (NMOG) reflect application of a 0.98 RAF for 1995 model-year TLEVs. The TLEV certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane Organic Gas	Carbon Monoxide	Nitrogen Oxides	Formaldehyde
50,000	0.085	1.6	0.1	0.001
100,000	0.092	1.9	0.2	0.001

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 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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model 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" 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 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 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 "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Càrs, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 6th day of July, 1994.

Norman Fujii for
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: STY2.2VJG2GA
Evaporative Family: STY1073DYM00 Evap Std: 50K x Useful Life with R/L___
Exh Std: Tier-0__ Tier-1__ TLEV x 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: N/A (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: I-4 Displacement: 2.2 / Liters 132.0/ Cubic Inches
Engine: Front x Mid ___ Rear ___ Drive: FWD x RWD ___ 4WD-FT ___ 4WD-PT ___
Exhaust ECS (eg., EGR, MFI, TC, CAC): SFI, EGR, O2S(2), TWC(2)
(use abbreviations per SAE J1930 SEP91)

Engine Code/ (Cert. std.)	Vehicle Models (If Coded see attachmt)	Trans. Type: A or L -Auto M-Man.	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter Part No.
1	SXV10L-CCMDKA	M5	3375	6.3	*1	25620-74230	Front : S17
	-AEMDKA			6.6	89661-33380		Rear : 06
	-CEMDKA				*2		
2	SXV10L-CCMDKA	M5	3375	7.0	89661-06120		
	-AEMDKA			7.3			
	-CEMDKA						
3	SXV10L-CCPDKA	L4	3375	6.3	*1	25620-74240	
	-AEPDKA			6.6	89661-33390		
	-CEPDKA				*2		
	-CWPDKA		3625	8.0	89661-06130		
4	SXV10L-CCPDKA	L4	3375	7.0			
	-CCPNKA		3500				
	-AEPDKA		3375	7.3			
	-AEPGKA		3500				
	-AEPNKA						
	-CEPDKA						
	-CEPGKA						
	-CEPNKA						
	-CWPDKA		3625	8.8			
	-CWPNKA						
5	ST204L-BCMGKA	M5	3000	6.4	89661-2B690	25620-74230	Front : S18
	-BLMGKA						Rear : 07
	-BKMGKA		3125	6.9			
6	ST204L-BCMGKA		3000	7.0			
	-BLMGKA						
	-BKMGKA		3250	7.6			

Engine Code/ (Cert. std.)	Vehicle Models (If Coded see attachmt)	Trans. Type: A or L -Auto M-Man.	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter Part No.
7	ST204L-BCPGKA	L4	3000	6.4	89661-2B700	25620-74240	Front : S18
	-BLPGKA						Rear : 07
	-BKPGKA		3250	6.9			
8	ST204L-BCPGKA		3125	7.0			
	-BLPGKA						
	-BKPGKA		3375	7.6			

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

Note *1 : Maker ; NIPPONDENSO CO., LTD.
*2 : Maker ; NIPPONDENSO TENNESSEE, inc.

VEHICLE MODELS :

Camry	Camry wagon
SXV10L-AEMDKA	SXV10L-CWPDKA
-AEPDKA	-CWPNKA
-AEPGKA	
-AEPNKA	
-CCMDKA	
-CCPDKA	
-CCPNKA	
-CEMDKA	
-CEPDKA	
-CEPGKA	
-CEPNKA	

Celica	Celica convertible
ST204L-BCMGKA	ST204L-BKMGKA
-BCPGKA	-BKPGKA
-BLMGKA	
-BLPGKA	