State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-282-B
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 1996 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: TTY2.2VJG2GK 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	Carbon Monoxide (20°F)
50,000	0.125	3.4	0.4	0.015	10.0
100,000	0.156	4.2	0.6	0.018	n/a

Reactivity Adjustment Factor (RAF) 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 1996 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	Carbon Monoxide (20°F)
50,000	0.073	1.2	0.1	0.001	5.4
100,000	0.079	1.4	0.1	0.001	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 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 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 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 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 19th day of July 1995.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: TOYOTA Exh Eng Fam: TTY2.2VJG2GK Evap Fam: TTY1095AYME0
All Eng Codes in Eng Fam: CA x 49S 50S AB965
Exh Std: CA Tier-1 TLEV x LEV ULEV ZEV ; US EPA Tier-1
Evap std: 50K Useful Life with R/L x In-Use Exh Std: Full In Use x Alt In Use
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)
Fuel Type(s): Dedicated x Flex-Fuel Dual-Fuel Bi-Fuel Gasoline x Diesel
CNG LNG LPG M85 Other(specify)
Emiss Test Fuel(s): Indo Ph2 x CNG LPG M85 Other(specify)
Diesel: 13CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
Service Accum: Std AMA Mod AMA x Mfr ADP Other(specify)
NMOG Test Procedure: N/A Std x Equiv R/L Test Proc: SHED x Pt Source
Hybrid: Type A B C , APU Cycle(e.g., Otto, Diesel, Turbine):
Engine Configuration: I-4 Displacement: 2.2 / Liters 132.0 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 125 @ 5,400 RPM
Engine: Front x Mid Rear Drive: FWD x RWD 4WD-FT 4WD-PT
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR,O2S(2), TWC(2)
(use abbreviations per SAE J1930 SEP91)

Engine Code/ (also list CA/ 49S/ 50ST)	Vehicle Models (if coded see attachment)	Trans. (M5, A4 etc.)	ETW or Test wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter part No.
3	SXV10L-CCPDKA SXV10L-AEPDKA SXV10L-CEPDKA	L4	3375	6.3 6.6	89661-33760*1 89661-06290*2	25620-74310	Front: S17 Rear: 06
4	SXV10L-CCPDKA SXV10L-CCPNKA SXV10L-AEPDKA SXV10L-AEPGKA SXV10L-AEPNKA SXV10L-CEPDKA SXV10L-CEPGKA SXV10L-CEPNKA SXV10L-CWPNKA		3375 3500 3375 3500 3625	7.0 7.3 8.8			

Comment : 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-AEPDKA	SXV10L-CWPNKA
-AEPGKA	
-AEPNKA	
-CCPNKK	
-CCPDKA	
-CEPDKA	
-CEPGKA	

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1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: TOYOTA Exh Eng Fam: TTY2.2VJG2GK Evap Fam: TTY1095AYME0
All Eng Codes in Eng Fam: CA x 49S 50S AB965
Exh Std: CA Tier-1 TLEV x LEV ULEV ZEV ; US EPA Tier-1
Evap std: 50K Useful Life with R/L x In-Use Exh Std: Full In Use x Alt In Use
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)
Fuel Type(s): Dedicated x Flex-Fuel Dual-Fuel Bi-Fuel Gasoline x Diesel
CNG LNG LPG M85 Other(specify)
Emiss Test Fuel(s): Indo Ph2 x CNG LPG M85 Other(specify)
Diesel: 13CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
Service Accum: Std AMA Mod AMA x Mfr ADP Other(specify)
NMOG Test Procedure: N/A Std x Equiv R/L Test Proc: SHED x Pt Source
Hybrid: Type A B C , APU Cycle(e.g., Otto, Diesel, Turbine):
Engine Configuration: I-4 Displacement: 2.2 / Liters 132.0 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 125 @ 5,400 RPM
Engine: Front x Mid Rear Drive: FWD x RWD 4WD-FT 4WD-PT
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR,O2S(2), TWC(2)
(use abbreviations per SAE J1930 SEP91)

		Sect/Page#
1	Authorized Representative	01.02.00
2	Fuel Specifications	03.00.00
3	Test Equipment	04.00.00
4	Test Procedure	05.00.00
5	Mileage Accumulation Route	02.04.00
6	Emission Warranty Statement	17.10.00
7	Maint: Cert/Req'd/Recm'd	06.00.00
8	Emiss Label/Vac Hose Diag	07.00.00
9	Evap Control System	19.00.00
10	Engine Parameters	20.01.00
11	Fuel System	08.01.00.00
12	Iginition System	08.01.00.00
13	Exhaust Control System	20.02.00
14	Proj Sales(LDT/MDV Split)	17.13.00
15	Vehicle Description	20.02.08
16	Evap Bench Test Procedure	13.02.02
17	R/L Temp & Press Profiles	19.05.03&12.01.03
18	EDV Selection	02.03.02
19	Prod Veh same as Test Veh	17.01.01

		Sect/Page#
21	Gen Std, increase in Emiss, Safety, Meets all Reqmts	20.03.05
22	Emission Label Durability	07.00.00
23	Driveability Statement	17.01.02
24	Adjustable Parameters	08.16.01.00
25	Tamper Resistance Method(s)	08.16.02.00
26	Fill Pipe Specifications	17.04.00
27	High Altitude Compliance	17.02.00
28	OBD Sys incl Marked Revisions	02.06.00
29	I&M Test Procedure & Data	17.11.00
30	50 Degree F Compliance	N/A
31	Manufacturer's RAF	N/A
32	Phase-In Plans: Exh Cert Stds	N/A
	Exh In-Use Stds	17.18.00
	Evap Cert Stds	17.19.00
33	NMOG Fleet Average Calculation	17.15.00
34	AB965 Credits/Withdrawals	N/A
35	EPA Certificate	after EO
36	Equiv NMOG Proc--ARB Approval	N/A

20 Test Vehicle Information	Durability Data Vehicle	Emission Data Vehicle	Emission Data Vehicle	Emission Data Vehicle
C/O or C/A MY & ID	C/O 94-D2	96-SXV2	96-SXV2	
Vehicle Log Page(s)	20.03.04	20.03.04	20.03.04	
Zero Mile Book Page(s)	17.12.01(94MY)	20.03.06	20.03.06	
Maint Logs & Engr Eval	17.12.02(94MY)	17.12.02	N/A	

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