State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-314
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 1997 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: VTY3.41JGKEK Displacement: 3.4 Liters (206.1 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	50,000	0.25	3.4	0.4	10.0
	100,000	0.31	4.2	0.6	n/a

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

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
0-3750	50,000	0.12	1.5	0.1	4.7
	100,000	0.13	1.7	0.2	n/a

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 "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 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 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.).

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.

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 August 1996.

John Kowalski for

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1997

E.O.# A-14-314

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

Manufacturer: TOYOTA Exh Eng Fam: VTY3.41JGKEK Evap Fam: VTY1095AYME0
All Eng Codes in Eng Fam: CA___ 49S___ 50S x AB965___
Exh Std: CA Tier-1 x TLEV___ LEV___ ULEV___ ZEV___; US EPA Tier-1 x
Evap std: 50K___ Useful Life with R/L x In-Use Exh Std: Full In Use___ Alt In Use x
Veh Class(es): PC___ LDT1 x 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 x Ph2___ CNG___ LPG___ M85___ Other(specify)___
Diesel: 13CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___
Service Accum: Std AMA x Mod AMA___ Mfr ADP___ Other(specify)___
NMOG Test Procedure: N/A x Std___ Equiv___ R/L Test Proc: SHED x Pt Source___
Hybrid: Type A___ B___ C___, APU Cycle(e.g., Otto, Diesel, Turbine):___
Engine Configuration: V-6 Displacement: 3.4 / Liters 206.1 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 190 @ 4,800 RPM
Engine: Front x Mid___ Rear___ Drive: FWD___ RWDx*1 4WD-FT___ 4WD-PT x*2
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR, HO2S(2), TWC
(use abbreviations per SAE J1930 SEP91)

Engine Code/ (also list CA/ 49S/ 50ST)	Vehicle Models (if coded see attachmt)	Trans. (M5, A4 etc.)	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter part No.
1	VZN150L-CRMDKAB	M5	3250	11.4	89661-04280	25620-62050	S98
2	VZN150L-CRMDKAB		3250	12.5			
3	VZN150L-CRSDKAB	L4	3250	11.4	Before R/C 97-TR-6: 89661-04290 After R/C 97-TR-6: 89661-04291	25620-62060	
4	VZN150L-CRSDKAB		3375	12.5			
5	VZN160L-TRMDKAB	M5	3625	14.5 14.6*3 14.9	89661-04300	25620-62050	
6	VZN160L-TRMDKAB			15.9 16.0*3 16.3			

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

Note *1 : Applied to TOYOTA TACOMA 2WD.
*2 : Applied to TOYOTA TACOMA 4WD.
*3 : Added by Running Change 97-TR-12.

VEHICLE MODELS:

TOYOTA TACOMA 4WD
VZN160L-TRMDKAB

TOYOTA TACOMA 2WD
VZN150L-CRMDKAB VZN150L-CRSDKAB

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1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: TOYOTA Exh Eng Fam: VTY3.41JGKEK Evap Fam: VTY1115AYME0
All Eng Codes in Eng Fam: CA 49S 50S x AB965
Exh Std: CA Tier-1 x TLEV LEV ULEV ZEV ; US EPA Tier-1 x
Evap std: 50K Useful Life with R/L x In-Use Exh Std: Full In Use x Alt In Use
Veh Class(es): PC LDT1 x 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 x Ph2 CNG LPG M85 Other(specify)
Diesel: 13CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
Service Accum: Std AMA x Mod AMA Mfr ADP Other(specify)
NMOG Test Procedure: N/A x Std Equiv R/L Test Proc: SHED Pt Source
Hybrid: Type A B C , APU Cycle(e.g., Otto, Diesel, Turbine):
Engine Configuration: V-6 Displacement: 3.4 / Liters 206.1 / Cubic Inches
Valves per Cylinder: 4 Rated HP: 190 @ 4,800 RPM
Engine: Front x Mid Rear Drive: FWD RWD x 4WD-FT 4WD-PT
Exhaust ECS(e.g., MFI, EGR, TC, CAC): SFI, EGR, HO2S(2), TWC
(use abbreviations per SAE J1930 SEP91)

Engine Code/ (also list CA/ 49S/ 50ST)	Vehicle Models (if coded see attachmt)	Trans. (M5, A4 etc.)	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic converter part No.
1	VCK11L-TRMDKA	M5	3750	12.3, 13.6	289661-34280	25620-62050	S97
2	VCK11L-TRMDKA			13.6, 15.0			
3	VCK11L-TRSDKA	L4		12.3, 13.6	Before R/C 97-TR-6: 89661-0W020 After R/C 97-TR-6: 89661-0W021	25620-62060	
4	VCK11L-TRSDKA			13.6, 15.0			

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

VEHICLE MODELS:

TOYOTA T100 2WD
VCK11L-TRMDKA
VCK11L-TRSDKA