State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-289 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 light-duty trucks:

Fuel Type: Gasoline

Engine Family: TTY2.42HGKEK Displacement: 2.4 Liters (148.8 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Multiport Fuel Injection Exhaust Gas Recirculation Heated Oxygen Sensors (two) Three Way Catalytic Converters (two) Supercharger Charge Air Cooler

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(1bs.)	Miles	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen Oxides	Carbon <u>Monoxide (20⁰F)</u>
3751-5750	50,000 100,000	0.32 0.40	4.4 5.5	0.7 0.97	12.5

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

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane <u>Hydrocarbons</u>	Carbon <u>Monoxide</u>	Nitrogen <u>Oxides</u>	Carbon <u>Monoxide (20⁰F)</u>
3751-5750	50,000	0.14	1.3	0.4	6.6
	100,000	0.14	1.5	0.46	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 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 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 ______ day of August 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 All Eng Codes in Eng Fam: CA		Evap Fam: TTY1095DYMB0
Exh Std: CA Tier-1 x TLEV Evap std: 50K x Useful Life with	LEV ULEV ZEV h R/L In-Use Exh Std:	US EPA Tier-1 x Full In Use x Alt In Use
Single Cert Std for Multi-Class Eng Fan Fuel Type(s): Dedicated x Fle		MDV3 MDV4 MDV5 DT1, MDV1, MDV2, MDV3, MDV4
CNG LNG Emiss Test Fuel(s): Indo x Ph2	LPG M85 Other	
Diesel: 13CCl Service Accum: Std AMA X Mo	R 2282 40 CFR 86 113 00	40 CED 06 112 04
Hybrid: Type A B C ,	Equiv R/L Test P APU Cycle(e.g., Otto, Diesel, To	Proc: SHED Pt Source
Valves per Cylinder: 4	Displacement: 2.4 / L Rated HP: 161	iters 148.8 / Cubic Inches @ 5,000 RPM
Engine: Front x Mid Rear Exhaust ECS(e.g., MFI, EGR, TC, CAC)	MFI, EGR, HO2S(2), TWC(2),	$\frac{x*1}{SC}$, $\frac{4WD-FT}{x*2}$ $\frac{4WD-PT}{x*2}$
	(use abbreviations per SAI	E 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.
1	TCR10L-RESDVA TCR20L-RESDVA	L4	4,250 4,500	11.8 12.8	89661-28600*3 89661-28610*4	25620-76020	Front: C08
2	TCR10L-RESDVA TCR10L-RFSGVA TCR20L-RESDVA TCR20L-RFSGVA		4,250 4,500	13.0 14.1	55001 20010 4		Rear : C09

Super charger Part No.	Inter cooler Part No.
SC14	17940-76010

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

equipment.

Note *1 : Applied to the truck line PREVIA.

*2 : Applies to the truck line PREVIA All-trac.

*3: NIPPONDENSO CO., LTD.

*4: TOYOTA MOTOR CORPORATION.

VEHICLE MODELS:

PREVIA TCR10L-RESDVA TCR10L-RFSGVA

PREVIA All-trac TCR20L-RESDVA TCR20L-RFSGVA

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

9.3

11.0
Manufacturer: TOYOTA Exh Eng Fam: TTY2.42HGKEK Evap Fam: TTY1095DYMB0
All Ling Codes in Eng Fam: CA 498 508 x AB965
Exh Std: CA Tier-1 x TLEV LEV ULEV ZEV; US EPA Tier-1 x
Diaposta, John A. Oscial Life Willi R/L. Incline Byh Ctd. Cull Incline w. Ali, y. yr.
ven class(es): PC LD11 LD12 x MDV1 MDV2 MDV4 MDV4
Single Cert Std for Multi-Class Eng Fam: N/A (specify N/A I DT1 MDV2 MDV2 MDV2 MDV2 MDV2
ruel Type(s). Dedicated_x riex-ruel Dual-ruel Bi-Fuel Gasoline y Diecel
UNG LNG LPG M85 Other(specific)
Emiss lest Fuel(s): Indo x Ph2 CNG LPG M85 Other(specific)
Diesel: 13CUR 2282 40 CFR 86 113 00 40 CFR 96 113 04
Service Accum: Std AMA X Mod AMA Mfr ADP Other(specify)
NMOG Test Procedure: N/A x Std Fauly R/I Test Proc. SUED Dec.
Hybrid: Type A B C , APU Cycle(e.g., Otto, Diesel, Turbine):
Engine Configuration Id
Volves nor Cutinday 4 Cubic Inches
Engine: Front v Mid Day
Exhaust ECS(e.g., MFI, EGR, TC, CAC): MFI, EGR, HO2S(2), TWC(2), SC, CAC Exhaust ECS(e.g., MFI, EGR, TC, CAC): MFI, EGR, HO2S(2), TWC(2), SC, CAC
WIT, EUK, HUZS(2), TWC(2), SC (AC)
(use abbreviations per SAE J1930 SEP91)

Note *1 : Applied to the truck line PREVIA *2 : Applied to the truck line PREVIA All-trac

Authorized Representative	
2 Fuel Specifications	
Test Equipment	
4 Test Procedure 05.00.00 23 Driveability Statement 07.00.00 5 Mileage Accumulation Route 02.04.00 24 Adjustable Parameters 08.16.01.00 6 Emission Warranty Statement 17.10.00 25 Tamper Resistance Method(s) 08.16.02.00 7 Maint: Cert/Req'd/Recm'd 06.00.00 26 Fill Pipe Specifications 17.04.00 8 Emiss Label/Vac Hose Diag 07.00.00 27 High Altitude Compliance 17.02.00 9 Evap Control System 19.00.00 28 OBD Sys incl Marked Revisions 02.06.00 10 Engine Parameters 20.01.00 29 I&M Test Procedure & Data 17.11.00 11 Fuel System 08.01.00.00 30 50 Degree F Compliance N/A 12 Iginition System 08.01.00.00 31 Manufacturer's RAF N/A 14 Proj Sales(LDT/MDV Split) 17.13.00 Exh In-Use Stds 17.18.00 15 Vehicle Description 20.02.08 Evap Cert Stds 17.19.00 16 Evap Bench Test Procedure 13.02.02 33 NMOG Fleet Average Calcuration 17.15.00 17 R/L Temp & Press Profiles N/A 34 AB965 Credits/Withdrawals N/A 18 ED	
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19 Prod Veh same as Test Veh 17.01.01 Durability 36 Equiv NMOG ProcARB Approval N/A Emission Emission Emission Emission	
Durability Emission Emission Emission	
20 Test Vehicle Information Data Vehicle Data Vehicle Data Vehicle Data Vehicle	
C/O or C/A MY & ID	HCI
Vehicle Log Page(s) $\frac{20.03.04}{20.03.04} \frac{\frac{371002}{20.03.04}}{\frac{20.03.04}{20.03.04}} = -\frac{10.03.04}{20.03.04}$	
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(94MY) N/A	
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