State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-150 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 1989 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		splacement (Cubic inches)	Exhaust Emission Control Systems (Special Features)
KTY1.6V2FCD7	1.6	(96.8)	Air Injection - Valve Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst On-Board Diagnostics (Exempted)

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

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.30	7.0	0.7		

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
(Grams per Mile)	(Grams per Mile)	(Grams per Mile)		
0.21	2.6	0.4		

BE IT FURTHER RESOLVED: That the listed models are certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standards by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under small volume manufacturers provisions, or is allowed a delay in implementation under the "in ileu" standards, or is certifying passenger cars weighing more than 5250 ibs. loaded vehicle weight.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model—year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Maifunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.), and with the 2 year/24,000 mile warranty provisions of Health and Safety Code section 43204.

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 _

<u> 必</u> day of January, 1989.

K. D. Drachand, Chief Mobile Source Division

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	STATE STATE STATE OF THE STATE	
		Page 1
Manufacturer Toyota Bate Co.		6V2FCD7
Evaporative Family		. in-line
	Laters (CID)	96.8)
ABBREVIATIONS		
	• 	
Ignition System	Exhaust Buissions Control System	Special Features
CA-Centrifugal Advance BCU-Electronic Control Unit	All-dar Injection - Pump AIV-Air Injection - Valve	CFI-Central Fuel Injection or
BI-Blectronic Ignition	Min Report Cas Recirculation	Throttle Body
ESAC-Electronic Spark Advance	EIC-Electronic Injection Control	Injection
Control VA-Vacuum Advance	(Diesel Only) EM-Engine Modification	EPFI-Electronic Port Fuel Injection
VR-Vacuum Retard	SPL-Smoke Puff Limiter or	MPFI-Mechanical Port
	Throttle Delay	Fuel injection
	200 Fram Caldizer, Continual	SFI-Sequential Fuel
	TOP-Trap Oxidizer, Periodical DBC Dual Bed Catalyst	Injection DID-Diesel Injection-
	OC-Oxidation Catalyst	Direct
Fuel System	TWC-Three-Way Catalyst	DIP-Diesel Injection-
CFI, EPFI, MPFI, SFI, DID, DIP, HOS, OS	WUCC-Warm-up Oxidation Catalyst WUTWC-Warm-up Three-Way Catalyst	Prechamber TC-Turbocharger
nV-nVenturi Carburetor	OS-Oxygen Sensor	SC-Supercharger
VV-Variable Venturi	NOS-Heated Oxygen Sensor	IC-Intercooler or
Carburetor		Aftercooler
		CCV-Combustion Chamber Valve
		OBD-On-Board
		Diagnostics
VEHICLE MODELS :	•	
/		
Corolla	•	
AE9ZL-DRHDUA DRHDUA	•	
-DEPOSIA	· · · · · · · · · · · · · · · · · · ·	
-DEPNUA		,
	en e	
Engine: Front x Mid.	Rear	
Drive: FWD x RWD	1997 - N. Maria (1997) - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1	art time
		
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	erBerota No						27007
•	ontrol Sys. (Spe						BD)
code	Vehicle Models (Efficient see attachment) (Symb Mp: Refer to 08.13.02.00)	Type	Test	BI, CA, VA Part No. [Distribu-	Part No.		Catalyst Part No.
1 thru 4		M 5	2,625	19030-16120	21100-16340 (16340)*1	25620-16070	18450-16500 (B06)
5 thru 8	ae92l-dendua -depnua	A3 A4	2,625 2,750		21100-16350 (16350)*1	25620-16080	

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment.

Note *1: Parenthetical information represents identifying marks found on production parts

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