State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-107-1 Relating to Certification of New Motor Vehicles

TOYOTA MOTORS 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 1988 model-year Toyota Motors Corporation exhaust emission control systems are certified as described below for qasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)		Exhaust Emission Control Systems (Special Features)	
JTY1.6V2FCC5	1.6	(96.8)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (On-Board Diagnostics)	

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	
0.39	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	
0.19	1.8	0.3	

BE IT FURTHER RESOLVED: That the listed models were 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 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 also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, 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 seg.) and with Health and Safety Code Section 43204.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order supersedes Executive Order A-14-107 dated August 26, 1987.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 15 day of October, 1987.

K. D. Drachand, Chief
Mobile Source Division

17.11.00 Supplemental data si	neets			
1988 AIR RE:	SOURCES BOARD SUPPLEMENTAL DATA SH	BET B.O. # A-14-107-1		
	·	Pagel		
Manufacturer Toyota Motor Corpe	oration Engine FamilyJTYl.	6V2FCC5		
Evaporative Family EV-A		. in-line		
Braporativo tamini	Liters (CID)1.6 (
ABBREVIATIONS		20107		
APPROATETIONS				
Ignition System	Exhaust Emissions Control System	Special Features		
CA-Centrifugal Advance	AIP-Air Injection-Pump	CCV-Combustion		
ECU-Electronic Control Unit	AIV-Air Injection-Valve	Chamber Valve		
RI-Electronic Ignition	DBC-Dual Bed Catalyst	CFI-Central Fuel		
ESAC-Electronic Spark Advance	EGR-Exhaust Gas Recirculation	Injection		
Control	EIC-Electronic Injection Control			
VA-Vacuum Advance	EM-Engine Modification OC-Oxidation Catalyst	Injection- Direct ·		
VR-Vacuum Retard	OS-Oxygen sensor	DIP-Diesel		
	HOS-Heated Oxygen Sensor	Injection-		
	SPL-Smoke Puff Limiter or	Prechamber		
	Throttle Delay	EFI-Electronic		
	TOC-Trap Oxidizer, Continual	Fuel Injection IC-Intercooler		
Fuel System	TOP-Trap Oxidizer, Periodical TWC-Three-Way Catalyst	or aftercooler		
CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor	WUOC-Warm-Up Oxidation Catalyst	MFI-Mechanical		
Ma-Maentri Carpare to:	WUTWC-Warm-Up Three-Way Catalyst	Fuel Injection		
		OBD-On-Board		
		Diagnostics		
		TC-Turbocharger		
VEHICLE MODELS :				
dama!!	Gonolla rum			
<u>Coroll</u> AB92L-AE				
	MNUA -AWHDUA			
-AE	HDUA			
	PNUA			
	MDUA			
	MXUA			
	HDUA PXVA			
no.				
Engine: Front x Mid.	Rear			
Drive: FWD x RWD	4WD Full time 4WD Pa	rt time		

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1000	ATD	DECVIDER	RANDO	SUPPLEMENTAL	DATA	SHRRT
1200	MIN	KESUUKLES	DUNNU	SOFFLERIENTAL	DWIW	SUPPI

Manufactur	Cars <u>x</u> Light-Duer <u>Toyota Mo</u>	tor Cor	poration	nEngine	e family	JTY1.6V	esel
Emission C	control Sys. (Spec	cial Fe	atures)		AIV + EGR +	OS + TWC (OI	3D)
Engine code	(If Coded see	Туре	Test Weight	Ign. System EI, CA, VA Part No. [Distribu- tor]	Part No. [Carbure-		Catalyst Part No.
l thru 4 & lRl thru 4Rl	AE92L-AEMDUA -AEMNUA -ACMDUA -ACMXUA -AWMDUA	м 5	2,500 2,625	19030-16120	21100-16340	25620-16070	18450-16220
5 thru 8 & 5R1 thru 8R1	AE92L-AEHDUA -ACHDUA -AWHDUA -AEPNUA -ACPXUA	A3	2,625 2,750		21100-16350	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. If two test weights are listed, the lower weight will be used for testing.

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