State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-101 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 1987 model-year Toyota Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)		
HTY2.2T5FBB6	136.5	(2.2)	Exhaust Gas Recirculation Oxygen Sensor Three-Way Catalyst (Electronic Fuel Injection)		

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

The following are the emission standards for this engine family:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0-3999	0.39	9.0	1.0

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

Equivalent			
Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0-3999	0.24	2.7	0.2

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 1981 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 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 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 27 day of August, 1986.

K. D. Drachand, Chief Mobile Source Division 17.10.00 Supplemental data sheets

1987	AIR RESOURCES 1	BOARD SUPPLEMENTAL DAT	ra sheet	3.0. #A-14
•			1	Page <u> </u>
Manufacturer Toyota Moto	r Corporation	Engine Family	TY2.2T5FBB6	
Evaporative Family	EA-B	Engine Type	cyl. in-li	ne
		Liters (CID)	2.2 (136.5)	
abbreviations				
Ignition System	Exhaust	Emissions Control Sys	stem Specia	l Features
CA-Centrifugal Advance		Injection-Pump		abustion
EEC-Electronic Engine Co		Injection-Valve		amber Valve ntral Puel
EI-Electronic Ignition ESAC-Electronic Spark Ad	CL-Close	ed 100p Aust Gas Recirculation		icrai ruei jection
Control		ne Modification	DID-Di	/
VA-Vacuum Advance	-	ation Catalyst System	In	jection-
VR-Vacuum Retard		ce Puff limiter or		rect
		ottle Delay	DIP-Di	
		Oxidizer Continual Oxidizer Periodical		jection- echamber
	•	nal Reactor		ctronic
		ee Way Catalyst System		el Injection
Fuel System				ercooler
CFI, CL. DID. DIP. EFI,	MPI			aftercooler .
nV-nVenturi Carburetor				chanical
				el Injection ocharger
			IÇ-IUI:	ociiai gei
VEHICLE MODELS :				
	Van 2WD	Cargo Van 2WD		
•	YR22LG-MDEA	YR29LV-MREA		
	-PDEA	-MRBEA		
	-PQEA	-Prea -Prbea		
		2 3.0641		
Engine: Pront <u>x</u> M	id Rea	ar		
Drive: FWD R			D Part time	
		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

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E.O. #A-14-10) 1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger	Cars Light-D	uty Tru	cks <u>x</u>	Medium-Duty	Vehicles	_ Gas <u>x</u> Die	esel
Manufactur	er <u>Toyota Mo</u>	tor Cor	poration	n Engin	e family	HTY2.2T!	5FBB6
Liter (CID	2.2	(136.5)		Eng. '	Type 4 cyl	. in-line	
Emission C	Control Sys. (Spec	cial Fe	atures)		CL + EGR +	TWC (EFI)	5
Engine	Vehicle Models (If Coded see	Trans.		lgn. System		EGR Valve	Catalyst
code	attachment) (Dyno Hp: Refer to 08.13.03.00)	1	Weight	Part No. [Computer]	1	Part No.	Part No.
1 thru 4	YR22LG-MDEA YR29LV-MREA -MRBEA	м5	3,250 3,375 3,500	89661-28040	89661-28040 22250-73010 23250-45011		18450-73040
5 thru 8	YR22LG-PDEA -PQEA YR29LV-PREA -PRBEA	A4	3,250 3,375 3,500 3,625	89661-28060	89661-28060 22250-73010 23250-45011		

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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