### State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-14-259 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 1995 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: STY1.6VHGIGA <u>Displacement</u>: 1.6 Liters (96.8 Cubic Inches)

### Exhaust Emission Control Systems and Special Features:

Multiport Fuel Injection Exhaust Gas Recirculation Oxygen Sensors (two) Three Way Catalytic Converters (two)

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

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen	
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>	
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)	
100,000	0.31 (n/a)	4.2 (n/a)	n/a	

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

Miles	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	Oxides
50,000	0.10	1.3	0.3
100,000	0.10	1.6	n/a

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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 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 listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 3 day of August, 1994.

R. B. Summerfield Assistant Division Chief Mobile Source Division

## 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Exh Cert Fuel(s): Indo x	Manufacti	rer: J	ATOYOTA			Engine Fam	nily:S	STY1.6VHG1GA
Exh Std: Tier-0	Evaporati	ive ramily:	5111047	DIMUU		rvap sta:	DOK V DSEL	** *** *** *** ** ** ** ** ** ** ** **
Single Cert Std for Multi-Class Eng Fam:	Exh Std:	Tier-0 Tier-1	x TLE	.v I	.EV	ULEVZEV_	; EPA Tier	-0 EPA Tier-1
Single Cert Std for Multi-Class Eng Fam:	Veh Class	s(es): PC x LD	T1	LDT2		MDV1MDV2	MDV3	MDV4MDV5
Exh Cert Fuel(s): Indo x	Single Ce	ert Std for Multi	i-Class	Eng Fa	ım :	(specify: N/A	(, LDT1, MDV1,	MDV2, MDV3, MDV4)
M85	Exh Cert	Fuel(s): Indo x	Ph2	Die	sel:	13 CCR 2282	or 40 CFR 86.	113-90 <u>        or  -94                                  </u>
Fuel Type(s): Dedicated x Flex-Fuel		M85	CNG_	LPC	; (	Other (specify	r)	
CNG         LNG         LPG         Other (specify)           Hybrid: Type A         B         C         APU Cycle (e.g., Otto, Diesel, Turbine)           Engine Configuration: I-4         Displacement: 1.6 / Liters 96.8 / Cubic Inches           Engine: Front x         Mid Rear         Drive: FWD x         RWD 4WD-FT 4WD-PT 4WD-PT           Exhaust ECS (eg., EGR, MFI, TC, CAC):         MFI, EGR, 02S(2), TWC(2)           Use abbreviations per SAE J1930 SEP91)         Use abbreviations per SAE J1930 SEP91)           Engine Code/ (If Coded see (Cert. attachmt)	Fuel Type	(s): Dedicated	Flex	- -Fuel	Di	ual-Fuel	Gasoline_x_	Diesel M85
Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)   Engine Configuration: I-4   Displacement:	11	CNG LNC	LF	•G	Other	(specify)		
Engine Configuration: I-4	Hybrid: T	Type A B	c,	APU Cy	cle (	e.q., Otto, D	esel, Turbine	e)
Engine: Front x Mid Rear Drive: FWD x RWD 4WD-FT 4WD-PT  Exhaust ECS (eg., EGR, MFI, TC, CAC): MFI, EGR, O2S(2), TWC(2)  Engine Vehicle Models (If Coded see attachmt) A or L Auto M-Man.  1 AE101L-AEMDKA DEMDKA - DEMDKA	Engine Co	onfiguration: I-4	l Dis	placen	nent:	1.6 <u>/</u> I	iters <u>96.8</u>	Cubic Inches
Exhaust ECS (eg., EGR, MFI, TC, CAC): MFI, EGR, 028(2), TWC(2)  (use abbreviations per SAE J1930 SEP91)  Engine (Vehicle Models (If Coded see (Cent. attachmt)	Engine: H	Front x Mid	Rear	•	Dr.	ive: FWD x	RWD 4WD-	-FT 4WD-PT
Cuse abbreviations per SAE J1930 SEP91	Exhaust E	ECS (eq., EGR, M)	FI, TC,	CAC):		MFI, EC	SR, 02S(2), TV	VC(2)
Engine Code/ (If Coded see attachmt)				{	use al	bbreviations	er SAE J1930	SEP91)
Code/ (Cert. std.)       (If Coded see attachmt)       Type: A or L -Auto M-Man.       or RLHP       (ECM/PCM) Part No.       System Part No.       converter Part No.         1       AE101L-AEMDKA -DEMDKA       M5       2,625       7.1       *1       25620-16210       Front: A10 Rear: 05         2       AE101L-AEMDKA -DEMDKA       2,750       7.8       89661-1A300       *2         3       AE101L-AEMDKA -DEMDKA       2,750       7.8       89661-02180         5       AE101L-AEMDKA -DEHDKA       2,750       7.1       25620-16220         6       AE101L-AEHDKA -DEHDKA       2,750       7.1       25620-16220         7       AE101L-AEHDKA -DEHDKA       2,750       7.8       2,750       7.8         8       AE101L-AEHDKA       2,750       7.8       2,750       7.8					•			
(Cert. std.)     attachmt)     A or L -Auto M-Man.     RLHP Part No.     Part No.     Part No.     Part No.       1     AE101L-AEMDKA -DEMDKA -DEMDKA -DEHDKA -D	Engine	Vehicle Models	Trans.	ETW	DPA	Ignition	EGR	Catalytic
-Auto M-Man.  1	Code/	(If Coded see	Type:		or		System	converter
-Auto M-Man.  1	(Cert.	attachmt)	A or L		RLHP	Part No.	Part No.	Part No.
1 AE101L-AEMDKA	std.)					•		
-DEMDKA 2 AE101L-AEMDKA -DEMDKA 3 AE101L-AEMDKA -DEMDKA 4 AE101L-AEMDKA -DEMDKA 5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA -DEHDKA 2,750 7.8  2,750 7.1  2,750 7.1  2,750 7.1  2,750 7.8  2,750 7.8			M-Man.					
2 AE101L-AEMDKA	1	AE101L-AEMDKA	M5	2,625	7.1	*1	25620-16210	
2		-DEMDKA				89661-1A300		Rear : 05
3 AE101L-AEMDKA -DEMDKA 4 AE101L-AEMDKA -DEMDKA 5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8  2,750 7.8  2,750 7.8  2,750 7.8  2,750 7.1  2,750 7.1  2,750 7.1  2,750 7.1  2,750 7.8	2	AE101L-AEMDKA		2,625	7.1			
-DEMDKA 4 AE101L-AEMDKA -DEMDKA 5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.1  2,750 7.8  2,750 7.8		-DEMDKA				1 -		
4 AE101L-AEMDKA -DEMDKA 5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8  2,750 7.1  2,750 7.8  2,750 7.8	3	AE101L-AEMDKA		2,750	7.8	89661-02180		
-DEMDKA 5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8  2,750 7.8		-DEMDKA		i	<u> </u>			1
5 AE101L-AEHDKA -DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.1  2,750 7.1  2,750 7.8	4	AE101L-AEMDKA	ļ	2,750	7.8			
-DEHDKA 6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8		-DEMDKA	<u> </u>	<u></u>	ļ			
6 AE101L-AEHDKA -DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.1  2,750 7.8  2,750 7.8	5	AE101L-AEHDKA	L3 •	2,750	7.1		25620-16220	
-DEHDKA 7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8  2,750 7.8		-DEHDKA		<b> </b>		.		
7 AE101L-AEHDKA -DEHDKA 8 AE101L-AEHDKA 2,750 7.8	6	AE101L-AEHDKA		2,750	7.1			
8 AE101L-AEHDKA 2,750 7.8		-DEHDKA			1			
8 AE101L-AEHDKA 2,750 7.8	7	AE101L-AEHDKA		2,750	7.8			
		-DEHDKA			1	.		
-DEHDKA	8	AE101L-AEHDKA		2,750	7.8	İ		
		-DEHDKA		<u> </u>	<b></b>		<u></u>	

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

Note \*1 : Applied to the vehicle model produced in Japan.

\*2 : Applied to the vehicle model produced in U.S. or Canada.

### VEHICLE MODELS :

Core	olla .
AE101L-AEMDKA	AE101L-DEMDKA
-AEHDKA	-DEHDKA

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Issued: 04/04/94

Rev. 13: 04/03/95