

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-189  
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 1991 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: MTY3.0T5FBE1 Displacement: 3.0 Liters (180 Cu. In.)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalyst
- Heated Oxygen Sensor
- Pulsed Secondary Air Injection
- Exhaust Gas Recirculation
- Multipoint 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:

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.50	9.0	1.0

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

<u>Loaded Vehicle Weight(lbs.)</u>	<u>Hydrocarbons (Grams per Mile)</u>	<u>Carbon Monoxide (Grams per Mile)</u>	<u>Nitrogen Oxides (Grams per Mile)</u>
3751-5750	0.10	1.8	0.4

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 Code of Regulations, 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 Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

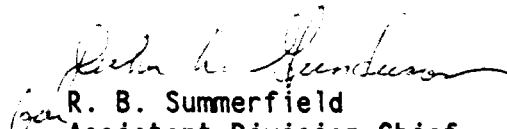
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 provisions (California Health and Safety Code Section 43205).

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 10 day of August, 1990

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1991 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer TOYOTA Engine family MTY3.0T5FBEL

Passenger Cars  Light-Duty Trucks  Medium-Duty Vehicles  Fuel Type Gasoline

Eng. Type 6 cyl. 60° V-6 Liter (CID) 3.0 (180.5) Evap. Family EV-E

Emission Control System & Special Features MPI + PAIR + EGR + HO2S + TWC  
(Use abbreviation per SAE J1930 Jun88)

\*1

Engine : Front  Mid.  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT

Certification std. : 1.0 NOx

Engine Code/ (Cert std.)	Veh. Models (If Coded see attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP or DPA	Ign. System (PCME/PROM) Part No.	EGR System Part No.	Catalyst Part No.
9	VZN120L-GKPGEA	A4	4000	13.5	89661-35520	25620-65011	18450-65030 (HO2) *2
10	VZN120L-GKPGEA		4000	14.8			
11	VZN100L-TRMDEA	M5	3875	14.3, 15.2	89661-35510		
	VZN105L-TRMDEA				*3		
	VZN110L-CRMDEA		4000		89661-35511		
	-CRMGEA						
	VZN130L-GJMGEA		4250	14.8, 15.3			
	-GKMGEA						
12	VZN100L-TRMDEA		3875	15.7, 16.6			
	VZN105L-TRMDEA						
	VZN110L-CRMDEA		4000				
	-CRMGEA						
	VZN130L-GJMGEA		4250	16.2, 16.7			
	-GKMGEA		4500				
13	VZN110L-CRPDEA	A4	4000	14.3, 15.2	89661-35570		
	-CRPGEA						
	VZN130L-GJPGEA		4250	14.8, 15.3			
	-GKPGEA		4500				
14	VZN110L-CRPDEA		4000	15.7, 16.6			
	-CRPGEA		4250				
	VZN130L-GJPGEA		4500	16.2, 16.7			
	-GKPGEA						

Note \*3 : After Field fix : 91-TF-3

17.11.00

Engine Code/ (Cert std.)	Veh. Models (IF Coded see attachmt.)	Trans. Type: A-Auto M-Man.	ETW	RLHP or DPA	Ign. System (PCME/PROM) Part No.	EGR System Part No.	Catalyst Part No.
15	VZN85L-TWMREA6	M5	4250	28.0	89661-35550	25620-65021	18450-65030
16	VZN85L-TWMREA6		4250	29.4		*3	(H02) *2
17	VZN85L-TWSREA6	A4	4250	28.0	89661-35560	25620-65022	
18	VZN85L-TWSREA6		4250	29.4			

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

Note \*1 : Applicable vehicle models are VZN120L-GKPGEA, VZN85L-TWMREA6 & VZN85L-TWSREA6

\*2 : Parenthetical information represents identifying marks found on production parts.

\*3 : After Field fix : 91-TF-1

VEHICLE MODELS :

4-Runner 2WD  
VZN120L-GKPGEA

4-Runner 4WD  
VZN130L-GJMGEA  
-GKMGEA  
-GJPGEA  
-GKPGEA

Truck 4WD  
VZN100L-TRMDEA  
VZN105L-TRMDEA  
VZN110L-CRMDEA  
-CRMGEA  
-CRPDEA  
-CRPGEA

Cab/Chassis 2WD  
VZN85L-TWMREA6  
-TWSREA6