

EC 10/1/91

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-198  
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 1992 model Toyota Motor Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: NTY2.2V5FCE7 Displacement: 2.2 Liters (132 Cu. In.)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalysts (two)
- Oxygen Sensors (two)
- Exhaust Gas Recirculation
- Multipoint Electronic Fuel Injection

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

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

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

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

| <u>Miles</u> | <u>Non-Methane Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> |
|--------------|---------------------------------|------------------------|------------------------|
| 50,000       | 0.16                            | 2.0                    | 0.1                    |
| 100,000      | 0.17                            | 2.2                    | n/a                    |

BE IT FURTHER RESOLVED: That at the request of the vehicle manufacturer, the listed vehicles are certified to the standards and requirements applicable to 1993 and subsequent models and, therefore, must comply with all standards and requirements associated with these models.

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 (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 19<sup>th</sup> day of August, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer TOYOTA Engine family NTY2.2V5FCE7

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

Engine Config. L-4 Liter (CID) 2.2 (132.0) Evap.Family EV-E

Emission Control System & Special Features MPI + EGR + O2S + 2WC  
(Use abbreviation per SAE J1930 Jun88)

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

Certification std. : 0.4 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.  |                    |
|--------------------------|--------------------------------------|----------------------------|-------|-------------|----------------------------------|---------------------|--------------------|--------------------|
| 1 & 1R1                  | SXV10L-AEMDKA                        | M5                         | 3,250 | 6.6         | 89661-33040*2                    | 25620-74181*4       | Rear :             |                    |
|                          | SXV10L-CEMDKA                        |                            |       |             | 89661-33041*3                    | 25620-74230*5       | 18450-74330(04)*1  |                    |
| 2 & 2R1                  | SXV10L-AEMDKA                        |                            |       | 7.2         | 89661-06070*2                    |                     | Front :            |                    |
|                          | SXV10L-CEMDKA                        |                            |       |             | 89661-06071*3                    |                     |                    | 25508-74150(S16)*1 |
|                          | 2<br>2R1                             |                            |       |             | -CEMDKA                          |                     |                    | 3,375              |
| 3 & 3R1                  | SXV10L-AEPDKA                        | A4                         | 3,250 | 6.6         | 89661-33070*2                    | 25620-74191*4       |                    |                    |
|                          | -CEPDKA                              |                            |       |             | 89661-33071*3                    | 25620-74240*5       |                    |                    |
| 3<br>3R1                 | -CEPDKA                              |                            | 3,375 |             | 89661-06080*2                    |                     |                    |                    |
| 3 & 3R1                  | -CWPDKA                              |                            | 3,500 | 8.1         | 89661-06081*3                    |                     |                    |                    |
| 4 & 4R1                  | SXV10L-AEPDKA                        |                            | 3,375 | 7.2         | 89661-33070*2                    |                     |                    |                    |
|                          | -AEPGKA                              |                            |       |             | 89661-33071*3                    |                     |                    |                    |
|                          | -AEPNKA                              |                            |       |             | 89661-06080*2                    |                     |                    |                    |
|                          | -CEPDKA                              |                            |       |             | 89661-06081*3                    |                     |                    |                    |
|                          | -CEPNKA                              |                            |       |             |                                  |                     |                    |                    |
| -CEPGKA                  | 3,500                                | 7.2                        |       |             |                                  |                     |                    |                    |
| -CWPDKA                  |                                      | 8.9                        |       |             |                                  |                     |                    |                    |
| -CWPNKA                  |                                      |                            |       |             |                                  |                     |                    |                    |
| 5 & 5R1                  | ST184L-BCMGKA                        | M5                         | 3,125 | 5.9         | 89661-2B140*2                    | 25620-74181*4       | Rear :             |                    |
|                          | -BLMGKA                              |                            |       | 5.4         | 89661-2B141*3                    | 25620-74230*5       | 18450-74330(04)*1  |                    |
|                          | -BLMVKA                              |                            | 3,250 | 6.2         |                                  |                     | Front :            |                    |
|                          | -BKMGKA                              |                            |       | 6.1         |                                  |                     | 25508-74100(S14)*1 |                    |
| 6 & 6R1                  | ST184L-BCMGKA                        |                            | 3,125 | 6.5         |                                  |                     |                    |                    |
|                          | -BLMGKA                              |                            |       | 6.0         |                                  |                     |                    |                    |
|                          | -BLMVKA                              |                            | 3,250 | 6.8         |                                  |                     |                    |                    |
|                          | -BKMGKA                              |                            | 3,375 | 6.7         |                                  |                     |                    |                    |

| 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.  |
|--------------------------|--------------------------------------|----------------------------|-------|-------------|----------------------------------|---------------------|--------------------|
| 7 & 7R1                  | ST184L-BCPGKA                        | A4                         | 3,125 | 5.9         | 89661-2B150*2                    | 25620-74191*4       | Rear :             |
|                          | -BLPGKA                              |                            |       | 5.4         | 89661-2B151*3                    | 25620-74240*5       | 18450-74330(04)*1  |
|                          | -BLPVKA                              |                            | 3,250 | 6.2         |                                  |                     | Front :            |
|                          | -BKPGKA                              |                            | 3,375 | 6.1         |                                  |                     | 25508-74100(S14)*1 |
| 8 & 8R1                  | ST184L-BCPGKA                        |                            | 3,250 | 6.5         |                                  |                     |                    |
|                          | -BLPGKA                              |                            |       | 6.0         |                                  |                     |                    |
|                          | -BLPVKA                              |                            |       | 6.8         |                                  |                     |                    |
|                          | -BKPGKA                              |                            | 3,375 | 6.7         |                                  |                     |                    |

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

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

\*2 : Before running change 92-TR-7.

\*3 : After running change 92-TR-7.

\*4 : Before running change 92-TR-12

\*5 : After running change 92-TR-12

VEHICLE MODELS :

| <u>Camry</u>  | <u>Camry Wagon</u> | <u>Celica</u> | <u>Celica convertible</u> |
|---------------|--------------------|---------------|---------------------------|
| SXV10L-AEMDKA | SXV10L-CWPDKA      | ST184L-BCMGKA | ST184L-BKMGKA             |
| SXV10L-AEPDKA | SXV10L-CWPNKA      | ST184L-BCPGKA | ST184L-BKPGKA             |
| SXV10L-AEPNKA |                    | ST184L-BLMGKA |                           |
| SXV10L-AEPGKA |                    | ST184L-BLPGKA |                           |
| SXV10L-CEMDKA |                    | ST184L-BLMVKA |                           |
| SXV10L-CEPDKA |                    | ST184L-BLPVKA |                           |
| SXV10L-CEPNKA |                    |               |                           |
| SXV10L-CEPGKA |                    |               |                           |