

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-13  
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR COMPANY, Ltd.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Toyota Motor Company, Ltd. exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 2T-C(C)  
Engine: 96.6 CID  
Transmission: 3 Speed Automatic, 4 Speed Manual or 5 Speed Manual  
Exhaust Emission Control Systems: Air injection, exhaust gas recirculation, engine modification, oxidation catalyst

Models: Corolla Sedan  
Corolla Hardtop  
Corolla Sport Coupe  
Corolla Liftback  
Corolla Station Wagon

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
2T-C(C)	0.19	3.2	1.2

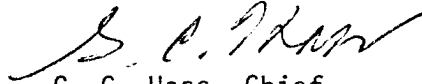
BE IT FURTHER RESOLVED: That this certification is contingent upon Toyota Motor Company, Ltd. affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Toyota Motor Company, Ltd. listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 28 day of October, 1976.



G. C. Hass, Chief  
Division of Vehicle Emissions Control

## Toyota Lean Idle Drop Method

Manufacturer: Toyota Motor Company, Ltd.  
Engine Family: 2T-C(C)

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All adjustment must be made with engine at normal operating temperature.

- (1) Coolant temperature 190° F
- (2) Choke valve fully open

Before adjusting the idle mixture, the basic timing, 10° BTDC @ 850 RPM (manual transmission (M/T) and (automatic transmission (A/T), and idle speed, 850 RPM (M/T and A/T), must be within specifications. All adjustments must be made in neutral with all accessories (wipers, heater, air conditioning, etc.) off.

Adjust the idle mixture screw to obtain the maximum engine speed (engine RPM). Readjust idle speed screw to return engine speed to 910 RPM (M/T and A/T). Repeat attempt to increase the engine speed by adjusting idle mixture screw and again readjusting the engine speed back to 910 RPM (M/T and A/T). When it is no longer possible to increase engine speed by adjusting the mixture screw, the idle mixture screw must be adjusted until the idle speed of 850 RPM (M/T and A/T) is obtained.

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Engine Family 2T-C(C) Engine (CID) 96.9 Engine Code \_\_\_\_\_

Emission Control System AI-EGR-OC +10%(A/C) Yes  No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V TI Mfgr. Part Number	Fuel System Type 1-2V Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Corolla Sedan Hardtop Liftback Station Wagon	A/T3	2500	Nippondenso 19100- 26230	Aisan Kogyo 21100- 26374	25620- 26050	(1) 10°BTDC@850 RPM in Neutral; all vacuum lines remain connected to distributor  (2) Lean idle drop See attached Sheet for method of adjustment.
Corolla Sedan Hardtop Liftback Station Wagon	M/T4 M/T5			21100- 26393		(3) 850 RPM in neutral

Comments Axle ratio: 3.909, 4.110  
 \*\* No Service  
 Shift Speeds: (1 to 2) 12MPH, (2 to 3) 22MPH, (3 to 4) 30 MPH, fifth gear not used.

Date of Issue October , 1976

**Abbreviations**

- Distributor  
 C-Centrifugal Advance  
 V-Vacuum Advance  
 VR-Vacuum Retard  
 TI - Transistorized Ignition  
 EI-Electronic Ignition  
Fuel System  
 EFI, FI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

- Exhaust Emission Control System  
 AI-Air Injection  
 CAI-Catalyst Air Injection  
 EFI-Electronic Fuel Injection  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 EFE-Early Fuel Evaporation  
 ESAC-Electronic Spark Advance  
 Control  
 FI-Fuel Injection

- OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 RC-Reduction Catalyst  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst  
 λ-Air Fuel Ratio Sensor  
 \*Service  
 I-Inspect, repair/replace  
 as needed  
 R-Replace