State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-32
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR COMPANY, LTD.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Toyota Motor Company, Ltd. exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
4M-E	156	Exhaust Gas Recirculation Three Way Catalyst Closed Loop (Electric Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4M-E	0.18	3.2	0.3

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 except Motorcycles".

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Toyota Motor Company, LTD. has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 4th day of September, 1979.

K. D. Drachand by [illegible]
K. D. Drachand, Acting Chief
Mobile Source Control Division

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Engine Family 4M-E Engine (CID) 156

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst
PAI-Pulse Air Injection
TR-Thermal Reactor
TWC-Three Way Catalyst

Special Features
CCAV-Combustion Chamber Air Valve
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbo Charged

Engine Code	Model
1, 3	Celica Supra Cressida Sedan Cressida Station Wagon

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VEHICLE EMISSION CONTROL INFORMATION		
ENGINE FAMILY	4M-E	156.4 CID
EVAP. FAMILY	EV-ME	
EXHAUST EMISSION CONTROL SYSTEM		EFI+O_2S+EGR+CC_{RO}

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, AND AIR CONDITIONER OFF.

ENGINE TUNE UP SPECIFICATIONS

IDLE SPEED (RPM)	800(N)	
IGNITION TIMING(°BTDC)	12° @ MAX. 900 RPM	
IDLE MIXTURE SETTING	IDLE MIXTURE SCREW IS PRESET AND SEALED AT FACTORY. ADJUSTMENT DURING TUNE-UP NOT RECOMMENDED.	
FAST IDLE SPEED (RPM)	N/A	
VALVE CLEARANCE (IN.)	INTAKE	0.011 (0.28 mm)
	EXHAUST	0.014 (0.35 mm)

TOYOTA MOTOR CO., LTD. | CATALYST

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 1980 MODEL YEAR NEW MOTOR VEHICLES AND HAS DEMONSTRATED COMPLIANCE AT ALTITUDE BELOW 4,000 FEET.

E.O. #A-14-32

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(X) Passenger Cars ( ) Light-Duty Trucks ( ) Medium-Duty Vehicles (X) Gas ( ) Diesel

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Engine Family 4M-E CID-Type 156 - I6 Engine Code

ECS (Special Features) EGR,TWC/CL, EFI + 10% (A/C) Yes x No

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA,VA,EI Distributor Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident.
1,3	Celica Supra	A4 M5	3125 (3000) 10.2 HP (w/ AC)	Nippondenso 19100-45190	Air Flow Meter 22250-45060 Computer 89561-22020 Injector 23250-45010	25620-45140	See Page 3
	Cressida Sedan	A4			Air Flow Meter 22250-45050		
	Cressida Station Wagon		3250 (3000)				

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, equipment and inertia weight class.

Date of Issue -

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