State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-47
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR COMPANY, LTD.

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 Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 model-year Toyota Motor Company, Ltd. exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
CTY4.2T2ABB1	258 (4.2)	Air Injection Pump Exhaust Gas Recirculation Oxidation Catalyst

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

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4000-5999	0.50	9.0	1.5

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

Equivalent Inertia Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
4000-5999	0.19	3.4	1.1

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 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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 27th day of August, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Motor Company Executive Order No. A-14-47 Page 1

Engine Family CTY4.2T2ABB1 Evaporative Family EV-F

Engine CID (Liters) 258 (4.2)

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
CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
MFI-Mechanical Fuel Injection
TC-Turbocharged

Models	Engine Codes
Land Cruiser Wagon	1, 2
Land Cruiser Hardtop	

DRIVE SYSTEM: Front Engine, Four Wheel Drive

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1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

__ Passenger Cars X Light-Duty Trucks __ Medium-Duty Vehicles X Gas __ Diesel

Manufacturer Toyota Motor Company E.O. #A-14-47

Engine Family CTY4.2T2ABB1 CID (liter) - Type 258 (4.2) I-6

ECS (Special Features) AIP,EGR,OC

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System VA,CA,EI Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1**	Land Cruiser Hardtop 4 WD	M4	4250	Nippondenso 19100-61102	Aisan Kogy 21100-61141	25620-61071	See page 3
2			4000				
1**,2	Land Cruiser Station Wagon 4 WD		4500				

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.
**Equipped with idle up system for air conditioner usage.

Date of Issue - 082882

Revisions:

Engine family : CTY4.2T2ABB1

VEHICLE EMISSION CONTROL INFORMATION

ENGINE FAMILY : CTY4.2T2ABB1 257.9 CID
EVAP. FAMILY : EV-F
EXHAUST EMISSION CONTROL SYSTEM AI/EGR/OC

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AIR CONDITIONER OFF AND TRANSMISSION IN NEUTRAL.

ENGINE TUNE-UP SPECIFICATIONS FOR ALL ALTITUDES

IDLE SPEED (RPM)	650
IGNITION TIMING (°BTDC)	7° @ 950 RPM MAX. WITH ALL VACUUM HOSES DISCONNECTED FROM DISTRIBUTOR AND SEALED
IDLE MIXTURE SETTING	IDLE MIXTURE SCREW IS PRESET AND SEALED AT FACTORY. ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED.
FAST IDLE SPEED (RPM)	1,800 WITH THE VACUUM HOSES ⓐ, ⓑ AND ⓒ (REF. VACUUM HOSE INFOR.) DISCONNECTED AND THE PIPE ENDS SEALED.
VALVE CLEARANCE (IN.)	INTAKE 0.008 (0.20 mm) EXHAUST 0.014 (0.35 mm)

TOYOTA RECOMMENDS TUNE-UP READJUSTMENT IF YOU CHANGE THE ALTITUDE WHERE YOUR VEHICLE IS PRINCIPALLY USED.

TOYOTA MOTOR CO., LTD.	CATALYST

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 1982 MODEL YEAR NEW MOTOR VEHICLES.

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