State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-43
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 passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
CTY1.8V2FCC8	108 (1.8)	Air Injection Pump Exhaust Gas Recirculation Three Way Catalyst with Closed Loop

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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.14	2.9	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 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 in El Monte, California this 27th day of July, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

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Manufacturer Toyota Motor Co. Executive Order No. A-14-43 Page 1

Engine Family CTY1.8V2FCC8 Evaporative Family EV-T

Engine CID (Liters) 108 (1.8)

ABBREVIATIONS

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

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

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

Models		Engine Codes
Corolla:	2-door sedan	1,2,3,4,5, 6,7,8,9
Corolla:	Lift-back wagon	2,3,4,5, 6,7,8,9
Corolla:	4-door sedan sport coupe hard top	2,3,4,5,6,7, 8,9,10,11,12,13

DRIVE SYSTEM: Front engine/ Rear wheel drive.

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1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyota Motor Company E.O. #A-14-43

Engine Family CTY1.8V2FCC8 CID (liter) - Type 108 (1.8) I-4

ECS (Special Features) AIP, EGR, TWC-CL

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	Corolla 2-dr sdn	M-4	2500	Nippondenso 19100-28081	Aisan Kogyo 21100-28190	25620-28070	See page 4
3, 5	4-dr sdn*	M-5	2500		-28200		
7, 9		A-3			-28190		
2, 4 (w/AC)		M-5	2625		-28200		
6, 8 (w/AC)		A-3			-28190		
11, 13		A-4					
10, 12 (w/AC)							
3, 5	Lift back *	M-5	2500		-28200		
2, 4 (w/AC)			2625				
7, 9		A-3			-28190		
6, 8 (w/AC)							

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.

Date of Issue -072381
Revisions:

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyota Motor Company E.O. #A - 14-43

Engine Family CTY1.8V2FCC8 CID (liter) - Type 108 (1.8) I-4

ECS (Special Features)

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.
3,5	Sport Coupe *	M-5	2500	Nippondenso 19100-28081	Aisan Kogyo 21100-28200	25620-28070	See page 4
2,4(w/AC)			2625				
7,9 6,8(w/AC)		A-3			-28190		
11,13 10,12(w/AC)		A-4					
3,5	Hard Top *	M-5	2500		-28200		
7,9		A-3			-28190		
2,4(w/AC)		M-5	2625		-28200		
6,8(w/AC)		A-3			-28190		
11, 13 10, 12(w/AC)		A-4					
3,5 2,4 (w/AC)	5 dr. wagon *	M-5			-28200		
7,9 6,8(w/AC)		A-3			-28190		

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.

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VEHICLE EMISSION CONTROL INFORMATION

ENGINE FAMILY : CTY1.8V2FCC8 108.0 CID
EVAP. FAMILY : EV-T
EXHAUST EMISSION CONTROL SYSTEM AI/EGR/O_2S/TWC

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

TRANSMISSION	MANUAL	AUTOMATIC
IDLE SPEED (RPM)	650 FOR W/O P.S. 850 FOR W/ P.S.	750 FOR W/O P.S. 850 FOR W/ P.S.
IGNITION TIMING (°BTDC)	7° @ 950 RPM MAX. WITH ALL THE VACUUM HOSES DISCONNECTED FROM THE 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)	W/O P.S. 3,400 W/ P.S. 3,200	W/O P.S. 3,200 W/ P.S. 3,000
THROTTLE POSITIONER SETTING SPEED (RPM)	1,400	
VALVE CLEARANCE (IN.)	INTAKE 0.008 (0.20 mm) EXHAUST 0.013 (0.33 mm)	

W/O P.S. : MODEL WITHOUT POWER STEERING.
W/ P.S. : MODEL WITH POWER STEERING.

TOYOTA MOTOR CO., LTD.	CATALYST

THIS VEHICLE CONFORMS TO U.S. EPA AND STATE OF CALIFORNIA REGULATIONS APPLICABLE TO 1982 MODEL YEAR NEW M
VEHICLES PROVIDED THAT THIS VEHICLE IS INTRODUC
COMMERCE FOR SALE IN THE STATE OF CALIFORNIA ON

3T-C CALIFORNIA