State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-60
Relating to Certification of New Motor Vehicles

TOYO KOGYO CO., 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1984 model-year Toyo Kogyo Co., 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)
ETK1.5V2HCG3	90.9 (1.5)	Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty 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 the above engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.12	1.4	0.6

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 14th day of July, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

08.13.00.00 Vehicle Road Load

Engine Family	Vehicle Model	Body Type	Test Weight (lb)	Tires	A/C	Other	Frontal Area (HP)	Coastdown Time (Sec.)	Dyno (HP)
ETK1.5V2HFF8	GLC & LASER	Hatchback 3 door	2250	155-13/ 6.15-13 *1	—	Gasoline	----	12.1	7.8
					X			(11.0)*2	(8.8)*2
		Hatchback 5 door		155SR13	—				
				175/70SR13	X				
			2375*3		X*3			12.7*3	
								(11.6)*2	
ETK1.5V2HCG3		Sedan	2250	155SR13	—			12.1	
				175/70SR13	X				
			2375		X			12.7	

*1: Bias Tire (only for M-4 Vehicle)

*2: only for Bias Tire

*3: only for ETK1.5V2HFF8

A-16-60

Issue Date: Jun. 13, 1983
Rev. No.

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyo Kogyo Co., Ltd. Executive Order No. A-16-60 Page 1

Engine Family ETK1.5V2HCG3 Evaporative Family F

Engine CID (Liters) 90.9 (1.5)

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

Vehicle Models

Mazda GLC Hatchback

Mazda GLC Sedan

DRIVE SYSTEM: Front engine (E-W)/Front Drive

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyo Kogyo Co., Ltd. E.O. #A-16-60

Engine Family ETK1.5V2HCG3 CID (liter) - Type 90.9 (1.5) - I4

ECS (Special Features) AIV, CL, EGR & TWC

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System CA, VA, EEC Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
CE5-M (W/O AC)	MAZDA GLC Hatchback 3 Door	M-4 M-5	D4R82-04	DFP306-301	K5T59074	BE39A BE39B
CE5-MC (W/AC)	MAZDA GLC Sedan	M-5				
CE5-A (W/O AC) CE5-AC (W/AC)	MAZDA GLC Hatchback 3 Door & Sedan	A-3				

Comments :

Date of Issue -
Revisions: