State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-15
Relating to Certification of New Motor Vehicles

TOYO KOGYO CO., LTD.

SUPERSEDED

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 Toyo Kogyo Co., Ltd. exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: CTCP
Engine: 77.6 CID
Transmission: 4-Speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: Mazda 808 (1300) Coupe
Mazda 808 (1300) Sedan
Mazda 808 (1300) 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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
CTCP	0.23	4.8	0.93

BE IT FURTHER RESOLVED: That this certification is contingent upon Toyo Kogyo Co., 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 Toyo Koygo Co., 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 26 day of October, 1976.

G. C. Hass

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

SUPERSEDED

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer Toyo Kogyo Executive Order No. A-16-15 Page 1

Engine Family CTCP Engine (CID) 77.6 Engine Code CTCP-M

Emission Control System AI+EGR+CAT +10%(A/C) Yes [ ] No [X]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V 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
Mazda 808 (1300) Sedan Coupe St. Wagon	M4	 2250 2250 2500	Mitsubishi T3T05074 or T3T07074	Hitachi DCG306-36	3713	See label # 3922 (attached) 1) 11± 1° BTDC at Idle Speed 2) 2.0± 0.5 (Without Air Injection) 3) 700 $^{+50}_{-0}$ In Neutral

Comments See RC # RCCTCP-1 8-5-76.
See E.O. A-16-15-1.

Date of Issue 22 February 1977, Running Change # RCCTCP-3

SUPERSEDED

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy 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

2. Label for Family CTCP (MAZDA 808 1300)

VEHICLE EMISSION CONTROL INFORMATION (3922)

E.O. A-16-15 Page 2

MODEL: MAZDA 808 (1300) & MAZDA 808S
ENGINE DISPLACEMENT: 77.6 CU.IN.
ENGINE FAMILY: CTCP
EXHAUST EMISSION CONTROL TYPE: AI, CAT, EGR
ENGINE TUNE UP SPECIFICATIONS AND ADJUSTMENTS:

A. IDLE SPEED: 700 $^{+50}_{-8}$ RPM (NEUTRAL) FOR MANUAL TRANSMISSION
600 $\pm$ 50 RPM (D RANGE) FOR AUTOMATIC TRANSMISSION
B. IGNITION TIMING: 11$\pm$1 BTDC AT ABOVE IDLE SPEED(WITH DIST.VACUUM LINE CONNECTED)
C. IDLE SPEED SETTING PROCEDURE:
AFTER THE ENGINE IS ENOUGH WARMED UP, ADJUST THE IDLE SPEED TO SPECIFIED VALUE BY THE THROTTLE ADJUST SCREW.
D. IDLE AIR-FUEL MIXTURE SETTING PROCEDURE AND VALUE:
IDLE MIXTURE: CO CONCENTRATION 2.0$\pm$0.5 %
(WITHOUT AIR INJECTION)
1. AFTER ADJUSTING THE IDLE SPEED ACCORDING TO THE ABOVE PROCEDURE, DISCONNECT AIR HOSE BETWEEN AIR PUMP AND CHECK VALVE, AND PLUG THE PORT OF CHECK VALVE.
2. ADJUST CO CONCENTRATION TO 2.0$\pm$0.5 % BY USING MIXTURE ADJUST SCREW.
3. RECONNECT THE AIR HOSE.
4. IF THE IDLE SPEED SHIFTS FROM THE SPECIFIED RPM AS THE RESULT OF THE ABOVE, REPEAT THE PROCEDURE 1 TO 3.

NOTE(C & D): ALL ACCESSORIES SHOULD BE OFF.
E. FAST IDLE SPEED: 3000~4000 RPM (UNDER WARM ENGINE CONDITION)
F. VALVE LASH (UNDER WARM ENGINE CONDITION)
VALVE SIDE INTAKE: 0.010 IN., EXHAUST: 0.012 IN.
CAM SIDE INTAKE: 0.007 IN., EXHAUST: 0.009 IN.
G. THROTTLE OPENER SYSTEM
SERVO DIAPHRAGM: THROTTLE VALVE OPENING 1400$\pm$100 RPM AT IDLE
(WITHOUT VACUUM ADVANCE)
VACUUM CONTROL VALVE: OPERATING DEPRESSION 22.4$\pm$0.4 IN.HG.

FOR DETAILED MAINTENANCE INFORMATION, PLEASE REFER TO THE OWNER'S MANUAL AND SERVICE BOOK.
THE STATEMENT:

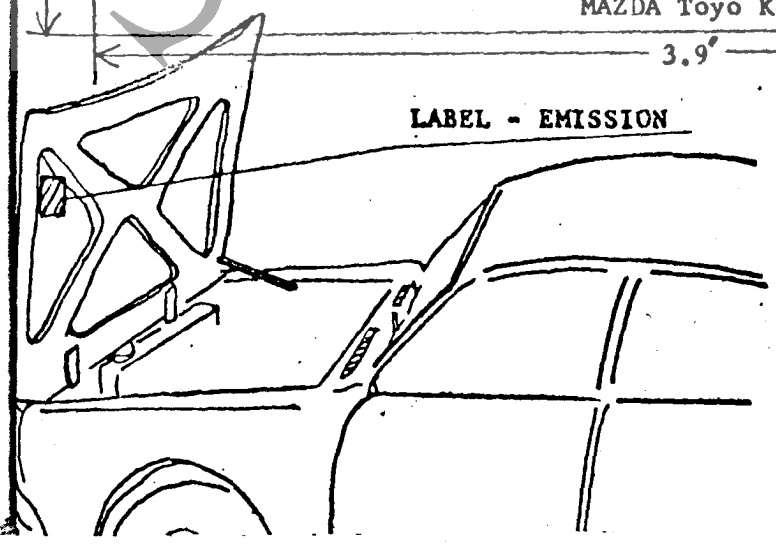
THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.
THIS VEHICLE ALSO CONFORMS TO CALIFORNIA REGURATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.

THIS VEHICLE IS CERTIFIED AS HAVING DEMONSTRATED CONFORMANCE WITH FEDERAL AND CALIFORNIA EMISSION STANDARDS ONLY AT ELEVATIONS EQUAL TO OR LOWER THAN 1219 METERS. (4000 FEET)

CATALYST IDENTIFICATION : CATALYST
MAZDA Toyo Kogyo Co., Ltd.

3.9"

SUPERSEDED



LABEL - EMISSION

BASE COLOR - WHITE
LETTERING FRAME & UNDERLINE } - BLACK

Issue Date: Jul. 14 1976			
Rev. No.	TK II-2		
Date	8-31-76		

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DATE ___ EPA REP ___