 ~~Toyo~~ ~~Kogy~~ E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-22
Relating to Certification of New Motor Vehicles

TOYO KOGYO CO., 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 Toyo Kogyo Co., LTD. exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: 8REP
Engine: 40.0x2/35.0x2 CID
Transmission: 3-speed Automatic, 5-speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Thermal Reactor

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
8REP	0.35	4.0	1.2

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-16 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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 28 day of September, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyo Kogyo Co., LTD Executive Order No. A-16-22 Page 1

Engine Family 8REP Engine (CID) 40.0x2/35.0x2

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 Emissions Control System
AI-Air Injection
CAI-Catalyst Air Injection
CAB-Chamber Air Bleed
DD-Dual Displacement
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
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)

EGR Syst. Service
I-Inspect, repair/replace as needed
R-Replace

Model	Body
Mazda Cosmo	Coupe
Mazda RX-3	Coupe
Mazda RX-4	Sedan
Mazda RX-4	Station Wagon

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium Duty Vehicles

Manufacturer Toyo Kogyo Executive Order No. A-16-22 Page 2

Engine Family 8 REP Engine (CID) 35.0 X 2 Engine Code CR12-M CR12-A

Emission Control System AI, TR, EGR +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type Mfgr. Part Number	Fuel System Type Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	Mazda RX-3 Coupe	M-5 A-3	2500	Mitsubishi T5T02572 For manual T5T02671 For Automatic	Nippon (1) 210284-491 For manual 210284-501 For Automatic	EGV-1 (Only for Automatic) Clean (12,500 mile intervals)	(1) T; 20 ± 2° ATDC L; 0 ± 1° ATDC at idle speed with distributor vacuum line connected. (2) Less than 0.1% (3) 750 ± 25 in neutral for manual. 750 ± 25 in "D" Range for Automatic

Comments: No models have special road load HP settings.
See page 1 for abbreviations and model codes.

Date of Issue 093077 Revisions: (1) 033178

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium Duty Vehicles

Manufacturer Toyo Kogyo Executive Order No. A-16-22 Page 3

Engine Family 8 REP Engine (CID) 40.0 X 2 Engine Code CR -M CR -A

Emission Control System AI, TR, EGR +10%(A/C) Yes ☐ No ☒

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type Mfgr. Part Number	Fuel System Type Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
	Mazda RX-4 Sedan St. Wagon Mazda Cosmo Coupe	M-5 A-3	3000	Mitsubishi T5T02573(1)	Hitachi KCH348-81 For manual KCH348-86 For automatic	EGV-1 (Only for Automatic) Clean (12,500 mile intervals)	(1) T; 25 ± 2° ATDC(2) L; 5 ± 1° ATDC at idle speed with distributor vacuum line connected. (2) Less than 0.1% (3) 750 ± 25 in neutral for manual 750 ± 25 in "D" Range for automatic

Comments: No models have special road load HP settings.
See page 1 for abbreviations and model codes.

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