

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-34  
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 are certified as described below for 1980 model-year gasoline-powered light duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
OWBT	140	Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

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

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

<u>Engine Family</u>	<u>Inertia Weight Class</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
OWBT	0-3999	0.25	3.5	1.2

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 except Motorcycles".

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.

TOYO KOGYO CO., LTD.

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BE IT FURTHER RESOLVED: That Toyo Kogyo Co., Ltd. has provided to the Executive Officer 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 13<sup>th</sup> day of August, 1979.



K. D. Drachand, Acting Chief  
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyo Kogyo Executive Order No. A-16-34 Page 1  
Engine Family OWBT Engine (CID) 140

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

EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
CL-Closed Loop  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
OC-Oxidation Catalyst  
PAI-Pulse Air Injection  
TR-Thermal Reactor  
TWC-Three Way Catalyst

Special Features

CCAV-Combustion  
Chamber Air  
Valve  
EFI-Electronic  
Fuel  
Injection  
MFI-Mechanical  
Fuel  
Injection  
TC-Turbo Charged

Models :

Courier  
Courier Cab Chassis

Evap. Family :

OSCCC

Revised: 9-19-79

## 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer   Toyo Kogyo  Page   2  Engine Family   0WBT  CID-Type   140  Engine Code   -  ECS (Special Features)   AI, EGR, OC    + 10% (A/C)  Yes        No   X  

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA, CV Part No.	Fuel System 1-2V Part No.	EGR Valve Part No.	Label Ident.
CW-M	Courier	M-4 M-5	3000 (3000)	Mitsubishi T3T60774	Hitachi DCS328-5	8788	8308
AW-M*	Courier Cab Chassis	M-4	3375 (3500)	Mitsubishi T3T60772		8617	8490

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, equipment and inertia weight class.

Date of Issue - 8-13-79

\*9-19-79 RC #ADOWBT-A (3-16-79)

## 1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyo KogyoPage 3Engine Family OWBTCID-Type 140Engine Code CW-AECS (Special Features) AI, EGR, OC+ 10% (A/C)Yes \_\_\_\_\_ No X

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA, VA Part No.	Fuel System 1-2V Part No.	EGR Valve Part No.	Label Ident.
	Courier	A-3	3000 (3000)	Mitsubishi T3T60774	Hitachi DCS328-6	8682	8308

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, equipment and inertia weight class.

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