

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-16-18  
Relating to Certification of New Motor Vehicles

TOYO KOGYO CO., LTD.

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 light-duty trucks are certified for the engine family described below:

Engine Family: CWBT  
Engine: 140 CID  
Transmission: 4 and 5-Speed Manual, 3-Speed Automatic  
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Model: Courier

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
CWBT	.7	6	1.4

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 Kogyo 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.

TOYO KOGYO CO., LTD.

EXECUTIVE ORDER A-16-18  
(Page 2 of 2)

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 17 day of February, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer TOYO KOGYO Executive Order No. A-16-18 Page 1  
 Engine Family CWBT Engine (CID) 140. Engine Code CWBT-M  
 CWBT-A  
 Emission Control System AI + EGR + OC +10%(A/C) Yes  No

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
Courier	M-4 M-5 M-3	3000	Mitsubishi Electric Corporation T3T60771	Hitachi DCJ328-31 for manual transmission  DCJ328-32 for automatic transmission	3725 no service	1) $6 \pm 10$ BTDC @ 700-900 RPM in neutral (with distributor vacuum line disconnected). 2) $4.0 \pm 0.5\%$ (without AI; disconnect air hose between air pump and check valve, and plug the port of the check valve). 3) $800 \pm 50$ RPM in neutral for manual trans.  $700 \pm 50$ RPM in "D" range for automatic trans. (See label attached)
Comments						*All accessories off.
Date of Issue						

**Abbreviations**

Distributor

C-Centrifugal Advance  
 V-Vacuum Advance  
 R-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