

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-117
Relating to Certification of New Motor Vehicles

ROLL A LONG ENGINEERING, INC.

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 Roll A Long Engineering, Inc. exhaust emission control systems for 1976 model-year light-duty trucks are certified for the engine family described below:

Engine Family: CVBT
Engine: 109.6
Transmission: 4 Speed Manual or 5 Speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Model: Courier 4 Runner

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1976 model 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>
CVBT	0.6	1.4	1.3

BE IT FURTHER RESOLVED: That this certification is contingent upon Roll A Long 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 Roll A Long listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

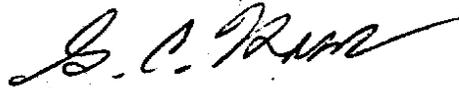
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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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 25 day of October, 1976.



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

AIR FORCE BOARD
SUPPLEMENTAL INFORMATION

1976 MODEL YEAR

PASSENGER CARS LIGHT-DUTY TRUCKS

MANUFACTURER: Roll A Long Engineering, Inc.

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Engine Family	Vehicle Models (If coded see attachment)	Engine CID	Trans. M-4, M-5	Inertia Weight	Distributor		Fuel System		Emission Control System			Idle RPM	Basic Timing	Idle Mixture	
					Type	Mfr. Part No.	Type	Mfr. Part No.	Type	OC	TR				EGR
CVBT	Courier 4 Runner	109.6	M-4, M-5	3,000	C	Mitsubishi T3T05179	1-2V	Hitachi DCJ328-7	AI EGR OC	372520500 A	No Service	372520300 I@12,500 Miles	700 + 50 in neutra	5+1° BTDC at idle speed vacuum advance connected	2.5+0.5% (without air injection and with check valve plugged)

Abbreviations:

- C - Centrifugal Advance
- V - Vacuum Advance
- VR - Vacuum Retard
- HEI - High Energy Ignition
- EI - Electronic Ignition

Exhaust Emission Control System

- AI - Air Injection
- EFI - Electronic Fuel Injection
- EGR - Exhaust Gas Recirculation
- EM - Engine Modifications
- CAI - Catalyst Air Injection

Exhaust Emission Control System

- EFE - Early Fuel Evaporation
- FI - Fuel Injection
- OC - Oxidation Catalyst
- RC - Reduction Catalyst
- TR - Thermal Reactor

- ESAC - Electronic Spark Advance Control
- PAI - Pulse Air Injection
- *Service
- I - Inspect, repair/replace as needed
- R - Replace