

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-148-1
Relating to Certification of New Motor Vehicles

THE HESS & EISENHARDT CO.

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 The Hess & Eisenhardt Co. exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered medium duty vehicles.

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1ZT4RCZ | 368 (6.0) | Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System Closed Loop |

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 1981 model-year vehicles:

| <u>Engine Family</u> | <u>Equivalent Inertia Weight</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|------------------------------------------|----------------------------------------|-------------------------------------------|-------------------------------------------|
| 1ZT4RCZ | 6000 | .48 | 8.8 | 1.6 |

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".

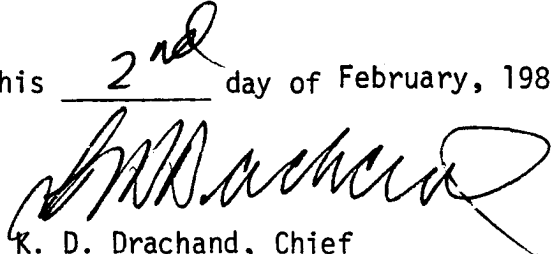
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That The Hess & Eisenhardt Co. 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).

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 2nd day of February, 1981.


K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer The Hess & Eisenhardt Co. Executive Order No. A-148-1 Page 1
 Engine Family 1ZT4RCZ (1) Evaporative Family 1B4S-Z (2)
 ABBREVIATIONS Engine CID (Liters) 368 (6.0)

Ignition System

CA-Centrifugal Advance
 EEC-Electronic Engine Control
 EI-Electronic Ignition
 ESAC-Electronic Spark Advance Control
 VA-Vacuum Advance
 VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump
 AIV-Air Injection-Valve
 CL-Closed Loop
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 OC-Oxidation Catalyst System
 TR-Thermal Reactor
 TWC-Three Way Catalyst System

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DI-Diesel Injection
 EFI-Electronic Fuel Injection
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

CFI, DI, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

(1) Engine family 1ZT4RCZ is same as General Motors model year 1980 family 06T4RCZ-1 (E.O. A-6-170) except Air Injection System Check Valve part No. is 22034704.

(2) Evap. family 1B4S-Z is same as General Motors model year 1980 family 0B4S-6 (E.O. A-6-170).

E.O. #A-148-1

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer The Hess & Eisenhardt Co. Page 2

Engine Family 1ZI4RCZ Engine Code _____

ECS (Special Features) AIP, EGR, TWC, CL CID (Liter)-Type 368 (6.0) V8

| Engine Code | Vehicle Models (If Coded see attachment) | Trans. | Equiv. Test Weight | Electronic Control Module Part No. | Fuel System 4V Carb. Part No. | EGR Valve Part No. | Label Ident. Part No. |
|-------------|------------------------------------------|--------|--------------------|--------------------------------------------|-------------------------------|--------------------|-----------------------|
| 1 | Funeral Coach | A-3 | 6000 | Delco Electronics 16006276, 16012726 | Rochester 17080530 | GM 17062877 | Hess & Eisenhardt |

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

dyno test HP is 19.0

Date of Issue - 013081.