

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-4
Relating to Approval of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems for gasoline engines for 1973-model year heavy-duty motor vehicles are approved for the families described below:

| <u>Engine Family</u> | <u>Engine Size (cubic inches)</u> | <u>Exhaust Emission Control System</u> | <u>Engine Models</u> |
|----------------------|---------------------------------------|---|----------------------|
| GM312 | 455 | Engine Modification | Oldsmobile 455 |
| GM501 | 472 | Air Injection and Exhaust Gas Recirculation | Cadillac 472 |

Section 39152, Part 1, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The following are recommended values to be listed on the decal:

| <u>Engine Family</u> | <u>Hydrocarbons plus Nitrogen Dioxide Grams/Brake Horsepower-Hour</u> | <u>Carbon Monoxide Grams/Brake Horsepower-Hour</u> |
|--------------------------|---|--|
| GM312 | 11.5 | 14.2 |
| GM501 | 12.6 | 26.7 |

Supplemental information sheets are attached to this order which includes tune-up specifications and emission control system data.

It is requested that General Motors Corporation inform the Air Resources Board of any production changes which will affect emissions.

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The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this 4th day of October, 1972.

JOHN A. MAGA
Executive Officer

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 SUPPLEMENTAL INFORMATION
 1973-Model Year

Engines for Heavy-Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION

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| Engine Model | Engine C.I.D. No. of Venturi | Engine Carburetor No. of Venturi | Distributor Make & No. | Type Adv.* | Carburetor Make No. | Emission Control System | | |
|----------------|------------------------------|----------------------------------|------------------------|------------|---------------------|-------------------------|-----|----------------------|
| | | | | | | Exhaust | NOx | Evap. Other |
| Oldsmobile 455 | 455 | 1-4V | Delco Remy 1112082 | C-V | Rochester 7043254 | EM | | None HCA* PLC* |
| Cadillac 472 | 472 | 1-4V | Delco Remy 1112229 | C-V | Rochester 7043233 | AIR | EGR | Canister PLC* |

* C-Centrifugal
 V-Vacuum
 VR-Vacuum Retard

HCA = Heated Carburetor Air, regulated by a temperature sensor
 PLC = Plastic Limiter Caps on Idle Mixture Screws

NOTE: Absence of PLC may be a violation of Vehicle Code Section 27156

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SUPPLEMENTAL INFORMATION

1973-Model Year

Engines for Heavy-Duty Vehicles

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| Engine Model | Engine C.I.D... | Carburetor No. of Venturi | Engine Family | Tune-Up Specifications | |
|--------------|-----------------|---------------------------|---------------|------------------------|--|
| | | | | Idle RPM | Basic Timing Idle CO or AFR |
| Oldsmobile | 455 | 1-4V | GM312 | 600 in Drive | 8° BTDC @ 1100 RPM in Neutral Preset at Factory |
| Cadillac | 472 | 1-4V | GM501 | 600 in Drive | 8° BTDC @ 600 RPM in Drive Preset at Factory |