

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-105
Relating to Certification of New Motor Vehicle Engines

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100 and 43102 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 General Motors Corporation 1977 model-year diesel-powered engines in heavy-duty motor vehicles are certified for the engine family described below:

| <u>Engine Family</u> | <u>Engine Size (CID)</u> | <u>Engine Model</u> | <u>Type</u> |
|----------------------|--------------------------|---------------------|----------------------------------|
| 8V-92TA | 736 | 8V-92TA | V-8 Turbocharged and Aftercooled |

Section 43200, Part 5, 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 decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following recommended values:

| <u>Engine Family</u> | <u>HC + NOx gm/bhp-hr</u> | <u>CO gm/bhp-hr</u> | <u>HC gm/bhp-hr</u> | <u>NOx gm/bhp-hr</u> |
|----------------------|---------------------------|---------------------|---------------------|----------------------|
| 8V-92TA | | 2 | 0.6 | 7.3 |

Engines 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 20 day of December, 1976.


G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY DIESEL ENGINES

Manufacturer General Motors Corporation Executive Order No. A-6-105 Page 1Engine Family 8V-92TA Engine (CID) 736Emission Control Systems Throttle Delay & Aftercooler Type TCA

| Engine Model | Fuel Pump Mfgr. Part Number | Injector Mfg. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP (1) | Basic Initial Timing *BTC |
|---------------------------|-----------------------------|---------------------------|--------------------------|-----------------------------|---------------------------|
| 8V-92TA | Not Applicable | 9A80 GMC 5229620 | 373 @ 2100 | 79.0 | 9 |
| | | 9A85 GMC 5229625 | 400 @ 2100 | 84.0 | 10 |
| | | 9A90 GMC 5229630 | 424 @ 2100 | 89.0 | 11 |
| 8V-92TA Constant Power | | 9A90 GMC 5229630 | 335 @ 1800 | 79.2* | 11 |

Comments (1) Cubic millimeters per stroke.
*Fuel / cycle at 335 HP @ 1800 RPM.

Date of Issue 122076.

Abbreviation
Type

NA - Natural Aspiration

TC - Turbocharged

TCA- Turbocharged and Aftercooled