

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-283  
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1984 model-year General Motors Corporation exhaust emission control systems are certified as described below for diesel-powered light-duty trucks:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u> |
|----------------------|---|--|
| E1G2.2K7ZZL1         | 137 (2.2)                                     | Exhaust Gas Recirculation<br>(Diesel Injection - Prechamber)   |

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles".

| <u>Equivalent<br/>Inertia<br/>Weight</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|--|---|---|
| 0-3999                                   | 0.41                                   | 9.0                                       | 1.0                                       |

The following are the certification emission values for this engine family:

| <u>Equivalent<br/>Inertia<br/>Weight</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|--|---|---|
| 0-3999                                   | 0.39                                   | 1.5                                       | 0.9                                       |

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

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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

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

Executed at El Monte, California this 23<sup>rd</sup> day of March, 1984.



K. D. Drachand, Chief  
Mobile Source Division

Note: Chevrolet models listed; GMC Truck Div. has complete line of matching models, not listed. For GMC models, read T instead of C as digit one of model code.

TRUCK MODEL IDENTIFICATION CODE - See Note  
 Example: CC10703

Digit 1=Division  
 C=Chevrolet  
 T=GMC Truck

Digit 2=Chassis Type  
 C,S=Conventional 4 x 2  
 K,T=Conventional 4 x 4  
 (Four Wheel Drive)  
 G=Forward Control 4 x 2  
 (Body-Frame Integral)

Digit 3=Series/GVWR Range  
 1=10 Series/3425 to 7000  
 2=20 Series/6400 to 8600  
 3=30 Series/7100 to 14500

Digit 4&5=Cab to Rear Axle Dimension(Inches)  
 05=30 to 35  
 06=36 to 41  
 07=42 to 47  
 08=48 to 53  
 09=54 to 59  
 10=60 to 65  
 11=66 to 71  
 13=78 to 83

Digit 6&7=Cab or Body Style  
 03=Conventional Cab  
 05=Chevy Van/Vandura  
 06=Suburban or Sportvan/  
 Rally  
 16=Blazer/Jimmy

| Eng. Code | CID | A/C | DATA           |                  |                  |          | Trans. Type |
|-----------|-----|-----|----------------|------------------|------------------|----------|-------------|
|           |     |     | Injection Pump | Injector Nozzles | EGR System Valve | Part #   |             |
| 1         | 137 | W   | Diesel Kiki    | Diesel Kiki      | 8941156680       | M-4, M-5 |             |
|           |     | or  | Diesel Kiki    | Diesel Kiki      | 8942308700       |          |             |
|           |     | W0  | 8941114130     | 8942308700       |                  |          |             |

| BODY CODES                     | ABBREVIATIONS                       |
|--------------------------------|-------------------------------------|
| E62=Stepside/Fenderside Pickup | DIP = Diesel Injection - Prechamber |
| E63=Fleetside/Wideside Pickup  |                                     |
| ZW9=Base Body                  |                                     |

ISSUED: 03-09-84 REVISIONS:

Manufacturer General Motors Corporation Executive Order No. A-6-283 Page 2

(X) Light Duty Trucks ( ) Medium Duty Vehicles Engine Family E1G2.2K7ZZL1

Engine (CID) 137 Exhaust Emission Control System EGR,(DIP)

See Page 1 for:

| Model Code | Body Code | Equip. Test Weight | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label |
|------------|-----------|--------------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|
| CS10603    | E63       | 3250               | 1         | M-4    | XJA           | 1         | M-5    | XJA           |           |        |               |
| CS10653    | E63       | 3375               | 1         | M-4    | XJA           | 1         | M-5    | XJA           |           |        |               |
| CS10803    | E63       | 3375               | 1         | M-4    | XJA           | 1         | M-5    | XJA           |           |        |               |

Comments: See page one for engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and frontal area.

ISSUED: 03-09-84      REVISED:

1013d/