

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-231
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 1982 model-year General Motors Corporation exhaust emission control systems are certified as described below for diesel-powered light duty trucks and medium-duty vehicles.

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| C1G6.2K7ZZ4X | 379 (6.2) | Exhaust Gas Recirculation (Diesel Injection - Prechamber) |

Vehicle Models, Transmissions, and Engine Codes as 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 1982 model-year vehicles:

| <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> |
|--|--|---|---|
| 4000-5999 | 0.50 | 9.0 | 2.0 |
| 6000-8500 | 0.60 | 9.0 | 2.3 |

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

| <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> |
|--|--|---|---|
| 4000-5999 | 0.27 | 1.1 | 2.0 |
| 6000-8500 | 0.43 | 1.4 | 1.5 |

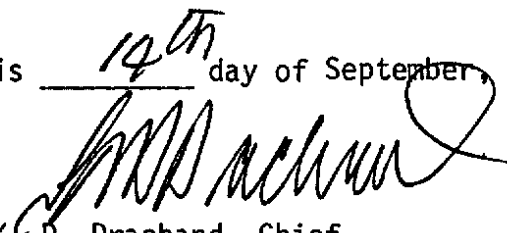
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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.

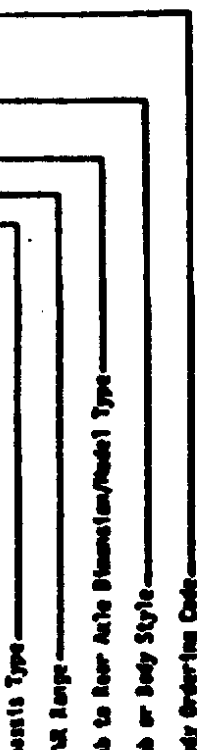
Executed at El Monte, California this 14th day of September, 1981.


K. D. Drachand, Chief
Mobile Source Control Division

Engine (CID) 379 Engine Family C1G6.2K7Z4X

TRUCK MODEL IDENTIFICATION - Note 1.

C 197Q3-E63



- ⁴ Cab to Rear Axle Dimension
 05 - 30-35" 09 - 54-59"
 06 - 36-41" 10 - 60-65"
 07 - 42-47" 11 - 66-71"
 08 - 48-53" 13 - 78-83"

- ⁵ Cab or Body Style
 00-Conventional Cab
 (C-K-S Models)
 01-Chevy Van
 06-Suburban/Sportvan with
 Panel Rear Doors
 10-Blazer

- ⁶ Body Ordering Code
 E62-Stepside Pickup
 E63-Fleetside Pickup

- ³ Series/Body Range
 1-10 Series - 2425 to 7000
 2-20 Series - 8400 to 8600
 3-30 Series - 7100 to 14,500

- ² Chassis Type
 Conventional 4 x 2
 Forward Control 4 x 2 (Body-Frame Integral)
 Conventional 4 x 4 (Four Wheel Drive)
 Conventional 4 x 2

- ¹ Division
 C-Chevrolet
 T-Old Truck

| Eng. Code | Air Cond. | Diesel Injection Pump Mfgr. Part No. | Diesel Injector Nozzles Mfgr. Part No. | EGR System. | Trans. M=M-4 A=A-4 |
|-----------|-----------|---------------------------------------|--|-------------------------|--------------------|
| 1, 1A, 1B | W or W0 | Stanadyne Hartford 14028915, 14050587 | Robert Bosch 14025556 | Valve Part No. 17075647 | M |
| 6, 6A, 6B | | | | | A |
| 7, 7A, 7B | | | | | A |

Note 1. Chevrolet models are listed. GMC Truck Div. has a complete line of matching models, not listed. For GMC models, real T instead of C as the first letter of the model code.

ABBREVIATIONS

Exhaust Emission Control System

EGR - Exhaust Gas Recirculation

Special Features

DIP - Diesel Injection - Prechamber

ISSUED: 11SE81. Opt. Injection Pump 14050587 added by RC21-109, approved with original certification on 11SE81. EC 7, with different throttle position switch calibration, added by RC21-208 on 03N081. EC 1A, 6A, 7A added by RC21-294 on 07JA82. EC 1B, 6B, 7B added by RC21-403 on 16AP82.

AIR RESOURCES BOARD 1982 SUPPLEMENTAL DATA SHEET - GM FORMAT - DIESEL-FUELED TRUCKS

Manufacturer General Motors Corporation Executive Order No. A-6-231 Page 2

(x) Light Duty Trucks () Medium Duty Vehicles Engine Family C1G6.2K7ZZ4X

Engine (CID) 379 Exhaust Emission Control System EGR

See Page 1 for:

| Model Code | Body Code | Equiv. Test Weight | Eng. Code | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label |
|------------|-----------|--------------------|-----------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|
| | | | | | | | | | | | | | | | |
| CC10703 | E62 | 4750 | 1 | 6 | M | CBN | 1A | A | CBR | 1A | M | CYD | 6A | A | CYJ |
| | | 4750 | 1B | 6B | M | LDA | 1A | A | LDF | 1A | M | CYD | 6A | A | CYJ |
| CC10703 | E63 | 4750 | 1 | 6 | M | CBN | 1A | A | CBR | 1A | M | CYD | 6A | A | CYJ |
| | | 4750 | 1B | 6B | M | LDA | 1A | A | LDF | 1A | M | CYD | 6A | A | CYJ |
| CC10903 | E63 | 5000 | 1 | 6 | M | CBN | 1A | A | CBR | 1A | M | CYD | 6A | A | CYJ |
| | | 5000 | 1B | 6B | M | LDA | 1A | A | LDF | 1A | M | CYD | 6A | A | CYJ |

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

ISSUED: 11SE81 K models deleted per letter ML-2P1208 on 190C81. Engine codes 1A, 6A added by RC 21-294 on 07JA82. Corrected clerical error on tune-up labels for engine codes 1A, 6A and added engine codes 1B, 6R by RC 21-403 on 16AP82.

() Light Duty Trucks (x) Medium Duty Vehicles Engine Family C166.2K7Z4X

Engine (CID) 379 Exhaust Emission Control System EGR

See Page 1 for:

| Model Code | Body Code | Equiv. Test Weight | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label | Eng. Code | Trans. | Tune-Up Label |
|------------|-----------|--------------------|-----------|--------|---------------|-----------|--------|---------------|-----------|--------|---------------|
| CC10703 | E62 | 4750 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 4750 | 1B | M | LDB | 6B | A | LDH | | | |
| CC10703 | E63 | 4750 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 4750 | 1B | M | LDB | 6B | A | LDH | | | |
| CC10903 | E63 | 5000 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5000 | 1B | M | LDB | 6B | A | LDH | | | |
| CC20903 | E62 | 5250 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5250 | 1B | M | LDB | 6B | A | LDH | | | |
| CC20903 | E63 | 5250 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5250 | 1B | M | LDB | 6B | A | LDH | | | |
| CK10703 | E62 | 5250 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5250 | 1B | M | LDB | 6B | A | LDH | | | |
| CK10703 | E63 | 5250 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5250 | 1B | M | LDB | 6B | A | LDH | | | |
| CK10903 | E63 | 5500 | 1 | M | CBS | 6 | A | CBT | 1A | M | CYH |
| | | 5500 | 7 | A | CBT | 7A | A | CYM | 1B | M | LDB |
| | | 5500 | 7B | A | LDH | | | | | | |
| CC10906 | | 5500 | 6 | A | CBT | 7 | A | CBT | 6A | A | CYM |
| | | 5500 | 6B | A | LDH | 7B | A | LDH | | | |
| CK10516 | | 5500 | 6 | A | CBT | 7 | A | CBT | 6A | A | CYM |
| | | 5500 | 6B | A | LDH | 7B | A | LDH | | | |
| CK10906 | | 6000 | 6 | A | CBT | 7 | A | CBT | 6A | A | CYM |
| | | 6000 | 6B | A | LDH | 7B | A | LDH | | | |

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

ISSUED: 11SE81

K models added per letter ML-2P1208; engine code 7 added by RC 21-208 on 03N081. Engine codes 1A, 6A, 7A added by RC 21-294; test weight was 5000 for CC20903+E62, CK10703+E62 or E63 before letter ML-2P1351; test weights were 4750 and 5250 for CC10703+E63, CK10903+E63 before RC 21-359 on 29JAB2. Engine codes 7, 7A added for CK10903+E63 by RC 21-360 on 14AP82. Corrected clerical error on tune-up labels for engine codes 1A, 6A, 7A and added engine codes 1B, 6B, 7B by RC 21-403 on 16AP82.