State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-126
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

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 General Motors Corporation exhaust emission control systems for 1978 model-year light-duty trucks are certified for the vehicles described below:

Engine Family: 812R4
Engine: 454 CID
Transmission: 4-speed manual, 3-speed automatic
Exhaust Emission Control System: Air Injection, Early Fuel Evaporation, Exhaust Gas Recirculation, Oxidation Catalyst.

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| 812R4 | 0.3 | 15 | 1.8 |

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-6 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

Vehicles 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 29 day of August, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

# 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET-GM FORMAT

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-126 Page 1

Engine Family 812R4 Engine (CID) 454

## ABBREVIATIONS

**Distributor**
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition

**Fuel System**
EFI
nV-nVenturi Carburetor

**Exhaust Emission Control**
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance Control
OC-Oxidation Catalyst
OS-Oxygen Sensor
PAI-Pulse Air Injection
TC-Turbo Charged
TWC-Three Way Catalyst

## TRUCK MODEL IDENTIFICATION

1. C = Chevrolet; T = GMC Truck — C C 10703
2. Chassis Type
3. GVW Range
4. CA Dimension Model Type
5. Cab or Body Style

**② Chassis Type**
C—Conventional 4 x 2
G—Forward Control 4 x 2 (Body-Frame Integral)
K—Conventional 4 x 4 (Four Wheel Drive)
P—Forward Control 4 x 2 (Conventional)

**③ Series GVW Range**
1—4800 to 7300
2—6400 to 8400
3—6400 to 14,500

**④ CA Dimension Model Type**
05—Blazer, Jimmy, Step-Van, Value Van
07—42"/Pickup, Chassis-Cab
08—FC or Motor Home Chassis, Step-Van, Value Van
09—56"/Suburban, Chassis-Cab, Pickup
10—60"/FC Chassis, Chevy Van, Vandura, Sportvan, Rally Wagon, Chassis-Cab, Step-Van, Value Van
11—Motor Home Chassis
13—Chevy Van, Vandura, Sportvan, Rally Wagon, Cutaway Van, Hi-Cube Van
14—84"/FC or Motor Home Chassis, Chassis-Cab, Step-Van, Value Van
16—Cutaway Van, Hi-Cube Van
18—Motor Home Chassis

**⑤ Cab or Body Style**
02—Conventional Cab (C-K models); Cutaway Van, Hi-Cube Van (G models)
05—Chevy Van, Vandura
06—Suburban/Sportvan, Rally Wagon with Panel Rear Doors
16—Blazer, Jimmy
32—Motor Home Chassis
42—Forward Control Chassis, Step-Van, Value Van
43—Bonus Cab, Crew Cab

**⑥ Body Code**
ZW9—Base Body
Z58—Blazer, Jimmy w/White Top
Z59—Blazer, Jimmy w/Black Top
Z64—RV Cutaway Van
B31—Hi-Cube Van (10' Steel 96" Wide)
B32—Step-Van, Value Van (Steel)
B33—Step-Van, Value Van (Aluminum)
B34—Hi-Cube Van (10' Steel 82" Wide)
B36—Hi-Cube Van (96" Wide 10' Aluminum)
B38—Hi-Cube Van (12' Steel 96" Wide)
B39—Hi-Cube Van (96" Wide 12' Aluminum)
E55—Suburban (w/End Gate)
E62—Stepside (Fenderside) Pickup
E63—Fleetside (Wide Side) Pickup
E94—Beauville Sportvan, Rally STX

**⑦ Engine Code**
LD4—250 Six
L25—292 Six
LG9—305-2 V8
LS9—350-4 V8
LF4—400-4 V8
LF8—454-4 V8

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

☒ Light Duty Trucks ☐ Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-126 Pg. 2

Engine Family 812R4 Engine (CID) 454 Transm. _____

Exhaust Emission Control System AI,EFE,EGR,OC +10% (A/C) Yes ☐ No ☒

| Eng. Code | Air Cond. | Distrib. Type HEI C,V Mfgr. Part No. | Fuel System 4V Mfgr. Part No. | EGR System Part No. Service | Inertia Wt. Class | See Page One for: Model Code | Body Code(s) | Trans-mission | Tune-up Label & Page No. | Rev. Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WO | Delco 1103358 | Rochester 17058521 | 17056768 No Service | 4500 | CC10703 T C T | E63 E62 | A-3 | LR 3 | |
| | | | | | 5000 | CC10903 T C T | E63 E62 | | | |
| 2 | W | | 17058520 | | 5000 | CC10703 T C T CC10903 T C T | E63 E62 E63 E62 | | | |

Comments: See page one for abbreviations.

Date of Issue092177. Revisions:

**LR**
454 CU. IN.
B12R4
BBFV

# VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

# CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

| | TRANSMISSION | |
|---|---|---|
| | AUTOMATIC | MANUAL |
| TIMING (° BTC @ RPM) | 8° @ 550 | 8° @ 700 |
| SPARK PLUG GAP (IN.) | 0.045 | 0.045 |
| CURB IDLE SPEED (RPM) | 550 (DR) | 700 (N) |
| FAST IDLE SPEED (RPM) | 1600 (P) OR (N) | 1600 (N) |
| SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM) | 600 (DR) | —— |

**SET PARKING BRAKE AND BLOCK DRIVE WHEELS.**

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED.
3. ON AUTOMATICS WITH AIR CONDITIONING: DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR. WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR CONDITIONING SWITCH OFF.
4. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

NOTE IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION.

PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 473500

Issued 092177.

E. O. A-6-126
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