

E.O. Board

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-205  
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 are certified as described below for 1981 model-year gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
12S4ABD	301 (4.9)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System with Closed Loop (Turbo Charged)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
12S4ABD	0.35	1.7	0.6

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

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

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer 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 17<sup>th</sup> day of September, 1980.



K. D. Drachand, Chief  
Mobile Source Control Division

E. O. Book

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer GENERAL MOTORS CORP. Executive Order No. A-6-205 Page 1

Engine Family 12S4ABD Evaporative Family 1B4S-2

ABBREVIATIONS Engine CID (Liters) 301 (4.9)

Ignition System

- CA-Centrifugal Advance
- EEC-Electronic Engine Control
- EI-Electronic Ignition
- ESAC-Electronic Spark Advance Control
- VA-Vacuum Advance
- VR-Vacuum Retard

Exhaust Emissions Control System

- AIP-Air Injection-Pump
- AIV-Air Injection-Valve
- CL-Closed Loop
- EGR-Exhaust Gas Recirculation
- EM-Engine Modification
- OC-Oxidation Catalyst System
- TR-Thermal Reactor
- TWC-Three Way Catalyst System

Special Features

- CCV-Combustion Chamber Valve
- CFI-Central Fuel Injection
- DI-Diesel Injection
- EFI-Electronic Fuel Injection
- MFI-Mechanical Fuel Injection
- TC-Turbocharged

Fuel System

- CFI, DI, EFI, MFI
- nV-nVenturi Carburetor
- VV-Variable Venturi

Division  
 Basic Body  
 Trim  
 Body Type

Division  
 Basic Body  
 Trim  
 Body Type

2	<u>PONTIAC</u>
F V 87	Firebird Formula
F W 87	Firebird Trans Am
F X 87	special Edition Trans Am

2FX87 added by RC 12-145, on 120580.  
 Issued: 091780.

Σ 0. Bmp

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT  
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-205

Engine Family 12S4ABD Engine CID 301 Transm. \_\_\_\_\_

Exhaust Emission Control System AIP,EGR,TWC,CL (TC)

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carb. Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Transmission	Tune-up Label Code	Rev. Notes
1A, 1C	W	Delco Electronics 16012832	Rochester 17081273	17075585	4000	2	F		87	A3	PAY	A B

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

Date of Issue: 091780. Revisions: A. EC 1A added by RC 12-61, included in original certification 091780. B. EC 1C added by RC 12-249, on 060281.