

E.O. BOOK

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-132
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 passenger cars are certified for the vehicles described below:

- Engine Family: 840E5VYU
- Engine: 231 CID
- Transmission: 3-Speed Automatic
- Exhaust Emission Control Systems: Air Injection, Early Fuel Evaporation, Exhaust Gas Recirculation, Turbo Charged, 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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
840E5VYU	.34	7.0	1.3

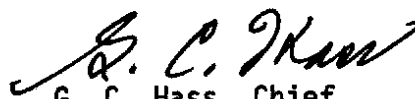
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" 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 27 day of January, 1978.



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-6-132 Page 1

Engine Family 840E5VYU Engine (CID) 231

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

PAI-Pulse Air Injection

TC-Turbo Charged

TWC-Three Way Catalyst (Feedback Control)

Division
Basic Body
Trim
Body Type

4

BUICK

A K 47 Regal Sport Coupe

<p>NH 231 CU. IN. 840E5VYU 88FV</p>	<p>VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION</p>	<p>TIMING MARK</p>	<p>CATALYST EGR-EFE-AIR LOW ALTITUDE CERTIFICATION</p>	<p>TRANSMISSION</p>														
<p>SET PARKING BRAKE AND BLOCK WHEELS</p> <p>MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR CLEANER ON, AND WHERE APPLICABLE, AIR CONDITIONING OFF. PLUG DISCONNECTED VACUUM FITTINGS AND / OR HOSES.</p>			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">TIMING (°B.T.D.C. @RPM)</td> <td style="text-align: center;">15° @ 850</td> </tr> <tr> <td rowspan="2">SPARK PLUG</td> <td>TYPE</td> <td style="text-align: center;">R44TSX</td> </tr> <tr> <td>GAP</td> <td style="text-align: center;">.080</td> </tr> <tr> <td colspan="2">CARB. SCREW (RPM)</td> <td style="text-align: center;">850 (DRIVE)</td> </tr> <tr> <td colspan="2">FAST IDLE SCREW (4-BLL)</td> <td style="text-align: center;">2500 (PARK)</td> </tr> </table>	TIMING (°B.T.D.C. @RPM)		15° @ 850	SPARK PLUG	TYPE	R44TSX	GAP	.080	CARB. SCREW (RPM)		850 (DRIVE)	FAST IDLE SCREW (4-BLL)		2500 (PARK)	<p>AUTOMATIC</p>
TIMING (°B.T.D.C. @RPM)		15° @ 850																
SPARK PLUG	TYPE	R44TSX																
	GAP	.080																
CARB. SCREW (RPM)		850 (DRIVE)																
FAST IDLE SCREW (4-BLL)		2500 (PARK)																
<ol style="list-style-type: none"> 1. DISCONNECT AND PLUG DISTRIBUTOR VACUUM HOSE TO CARB. AND EGR HOSE TO EGR VALVE. 2. SET TIMING AT SPECIFIED R.P.M. RECONNECT DISTRIBUTOR ADVANCE HOSE. 3. ADJUST CARBURETOR SPEED SCREW TO SPECIFIED R.P.M. IN DRIVE. 4. WITH TRANS. IN PARK SET FAST IDLE TO SPECIFIED SPEED ON HIGHEST CAM STEP. 5. RECONNECT EGR HOSE. <p>(SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.)</p>			<p>FAST IDLE CAM</p> <p>HIGH STEP</p> <p>FAST IDLE SCREW</p> <p>FAST IDLE SCREWS ARE PRESET AND CAPPED AT FACTORY - DO NOT BREAK CAPS - ADJUSTMENT DURING TUNE-UP IS NOT RECOMMENDED</p> <p>FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.</p>															
<p>THIS VEHICLE CONFORMS TO U.S. EPA, AND CALIFORNIA, REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES.</p>																		

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: General Motors Corporation

Executive Order No. A-6-132 Pg. 2

Engine Family 840E5VYU

Engine (CID) 231

Transm. A-3

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

Eng. Code	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 4V, TC Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label & Page No.	Rev. Notes
1	W or WO	Delco 1110758	Rochester 17058540	17056213 No Service	3500	4	A	K	47	A-3	NH 1	

Comments Some models have special road load HP settings. See page one for abbreviations.

Date of Issue :012678. Revisions: