

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-116
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: 830H2AU
Engine: 260 CID
Transmission: 3-speed automatic
Exhaust Emission Control Systems: Air Injection, 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:

| <u>Engine Family</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|--|---|---|
| 830H2AU | 0.16 | 2.4 | 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".

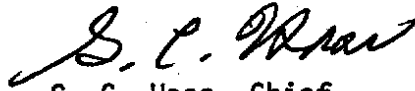
GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-6-116
(Page 2 of 2)

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 19 day of August, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-116 Page 1

Engine Family 830H2AU Engine (CID) 260

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 |
|----------|-------------------|---------------------|--------------------------------|
| 2 | <u>Pontiac</u> | | |
| | A | F 19 | Grand LeMans Sedan |
| | | D 19 | LeMans Sedan |
| | | F 27 | Grand LeMans Coupe |
| | | D 27 | LeMans Coupe |
| G | J 37 | Grand Prix | |
| 3 | <u>Oldsmobile</u> | | |
| | A | J 09 | Cutlass Salon Brougham Sedan |
| | G | 09 | Cutlass Salon Sedan |
| | M | 47 | Cutlass Supreme Brougham Coupe |
| | K | 47 | Cutlass Calais Coupe |
| | R | 47 | Cutlass Supreme Coupe |
| | J | 87 | Cutlass Salon Brougham Coupe |
| G | 87 | Cutlass Salon Coupe | |

Issued: 081977.
 Pontiac models added by RC 83-160;
 Tune-up label moved to Pg. 3, on 042178.

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: General Motors Corporation

Executive Order No. A-6-116 Pg. 2

Engine Family 830H2AU

Engine (CID) 260

Transm. _____

Exhaust Emission Control System AI,EGR,OC

+10% (A/C) Yes No

| Eng. Code | Air Cond. | Distrib. Type HEI C,V Mfgr. Part No. | Fuel System 2V 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 | DelcoRemy 1103320 1103262 | Rochester 17058450 | 17056386 No Service | 3500 | 3 3 3 | A A A | | 09 47 87 | A-3 | HC 3 | C | |
| 1a, 1b, 1c | 17056383 | | | 3 2 2 3 3 2 | | A A A A A G | D D | 09 19 27 47 87 37 | A DFB DE D | | | | |
| | | | | 4000 | | 2 2 | A A | F F | 19 27 | | | D D | |
| 2 | WO | | | 17056386 | | 3500 | 3 3 3 | A A A | | | | 09 47 87 | |
| 2a, 2b, 2c | 17056383 | | | 3 2 2 3 3 2 | | | A A A A A G | | 09 19 27 47 87 37 | | | A DFB DE D | |

Comments A11 models have special road load HP settings. See page one for abbreviations.

Date of Issue: 081977. Revisions: A. Eng. Codes 1a,2a added by RC 83-95 on 091677. B. EC 1B & 2B added by RC 83-162, on 010478. C. Tune-up label Pg. No. was 1, D. Pontiac models added by RC 83-160, E. EC 1c & 2c added by RC 83-189, F. EC 1B & 2B corrected to 1b & 2b, on 042178.

Engine Family 830H2AU Engine (CID) 260

Early Production label moved from Pg. 1,
Late Production label added, on 042178.

EARLY PRODUCTION

| | | | | | | | | | | | | | | |
|---|---|-------------------------|---------------------|----------------------|-------------------|-----------------------|----------------|----------------------|---------------|---------------------|----------------|---------------|--------|-------------------------------------|
| <p>HC 260 CU IN. 830H2AU/88DV</p> <p>VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION</p> <p>SET PARKING BRAKE AND BLOCK DRIVE WHEELS</p> <p>MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHORE FULLY OPEN AND WHERE APPLICABLE AIR CONDITIONING OFF.</p> <ol style="list-style-type: none"> DISCONNECT MOLDED CONNECTOR FROM AIR CLEANER TVS SWITCH. PLUG VACUUM SOURCE ① ON CONNECTOR AND REMOVE AIR CLEANER. DISCONNECT VACUUM HOSES FROM PORTS ②, ③ AND ④ ON CARBURETOR AND PLUG PORTS. SET TIMING AT SPECIFIED RPM, IN PARK. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK. OLLAIS CONDITIONED CARS — AFTER COMPLETING ABOVE ADJUSTMENTS, DISCONNECT ELECTRICAL CONNECTOR AT A/C COMPRESSOR CLUTCH. TURN A/C SWITCH ON AND ADJUST SOLENOID (ENERGIZED) SCREW TO SPECIFIED RPM, IN DRIVE. TURN A/C SWITCH OFF. RECONNECT ELECTRICAL CONNECTOR. RECONNECT HOSES TO PORTS ②, ③ AND ④ ON CARBURETOR. INSTALL AIR CLEANER AND RECONNECT MOLDED CONNECTOR TO TVS SWITCH. <p>PRINTED IN U.S.A.</p> | <p>CATALYST-EGR-AIR. LOW ALTITUDE CERTIFICATION</p> <table border="1"> <tr> <td>TIMING(DEG. BTDC @ RPM)</td> <td>18° @1100 (IN PARK)</td> </tr> <tr> <td>SPARK PLUGS GAP TYPE</td> <td>.060 IN. AC R46SZ</td> </tr> <tr> <td>CARBURETOR SCREW(RPM)</td> <td>500 (IN DRIVE)</td> </tr> <tr> <td>FAST IDLE SCREW(RPM)</td> <td>800 (IN PARK)</td> </tr> <tr> <td>SOLENOID SCREW(RPM)</td> <td>650 (IN DRIVE)</td> </tr> <tr> <td>CHOKE SETTING</td> <td>2 N.R.</td> </tr> </table> <p>IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UPS 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>SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.</p> <p>PART NO. 360418</p> | TIMING(DEG. BTDC @ RPM) | 18° @1100 (IN PARK) | SPARK PLUGS GAP TYPE | .060 IN. AC R46SZ | CARBURETOR SCREW(RPM) | 500 (IN DRIVE) | FAST IDLE SCREW(RPM) | 800 (IN PARK) | SOLENOID SCREW(RPM) | 650 (IN DRIVE) | CHOKE SETTING | 2 N.R. | <p>EMISSION HOSE ROUTING</p> |
| TIMING(DEG. BTDC @ RPM) | 18° @1100 (IN PARK) | | | | | | | | | | | | | |
| SPARK PLUGS GAP TYPE | .060 IN. AC R46SZ | | | | | | | | | | | | | |
| CARBURETOR SCREW(RPM) | 500 (IN DRIVE) | | | | | | | | | | | | | |
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| CHOKE SETTING | 2 N.R. | | | | | | | | | | | | | |

LATE PRODUCTION

| | | | | | | | | | | | | | | |
|---|---|-------------------------|---------------------|----------------------|-------------------|-----------------------|----------------|----------------------|---------------|---------------------|----------------|---------------|--------|-------------------------------------|
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