

State of California
AIR RESOURCES BOARDEXECUTIVE ORDER A-6-140
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 1979 model-year gasoline-powered passenger cars are certified for the vehicles described below:

| <u>Engine Family</u> | <u>Displacement Cubic Inches</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|--------------------------------------|--|
| 930H2AU | 260 | Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst |

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 1979 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> |
|----------------------|--|---|---|
| 930H2AU | .25 | 5.5 | 1.1 |

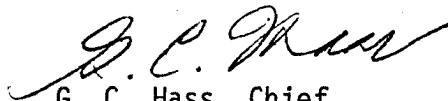
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

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.

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 16 day of August, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer GENERAL MOTORS CORP. Executive Order No. A-6-140 Page 1

Engine Family 930H2AU Engine (CID) 260

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance

EI-Electronic Ignition

ESAC

VA-Vacuum Advance

VR-Vacuum Retard

Fuel System

EFI, MFI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection

CCAV-Comb. Chamber Air Valve

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

ESAC-Electronic Spark Advance
Control

MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

TC-Turbo Charged

TR-Thermal Reactor

TWC-Three Way Catalyst
(Feedback Control)

WOC-Warm-up Oxidation
Catalyst

Evaporative Emission Family 9B3-3

| Division | Basic Body | Trim | Body Type |
|----------|------------|------|-----------|
|----------|------------|------|-----------|

3

OLDSMOBILE

| | | | |
|---|---|----|--------------------------------|
| A | G | 09 | Cutlass Salon Sedan |
| A | G | 87 | Cutlass Salon Coupe |
| A | J | 09 | Cutlass Salon Brougham Sedan |
| A | J | 87 | Cutlass Salon Brougham Coupe |
| A | R | 47 | Cutlass Supreme Coupe |
| A | K | 47 | Cutlass Calais Coupe |
| A | M | 47 | Cutlass Supreme Brougham Coupe |

Issued: 081778.

AIR RESOURCES BOARD 1979 SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-140Pg. 2Engine Family 930H2AU Engine CID 260 Transm. A-3Exhaust Emission Control System AI, EGR, OC +10% (A/C) Yes ☒ No ☐

| Eng. Code | Air Cond. | Ign.Syst. EI,CA,VA Distrib. Part No. | Fuel System 2V Carb. Part No. | EGR Valve Part No. | Inertia Wt. Class | Divisions | Basic Body | Trim | Body Type | Trans- mission | Tune-up Label & Page No. | Rev. Notes |
|-----------|-----------|---|-------------------------------------|-----------------------|----------------------|-------------|-------------|------|----------------|-------------------|--------------------------------|------------|
| 1 | W | Delco Remy 1103396 | Rochester 17059450 | 17056383 | 3500 | 3 3 3 | A A A | | 09 47 87 | A-3 | SD 3 | A B |
| 1a | | | | | | | | | | | OT 4 | |
| 2 | WO | | | | | 3 3 3 | A A A | | 09 47 87 | | SD 3 | |
| 2a | | | | | | | | | | | OT 4 | |

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 inertia weight class.

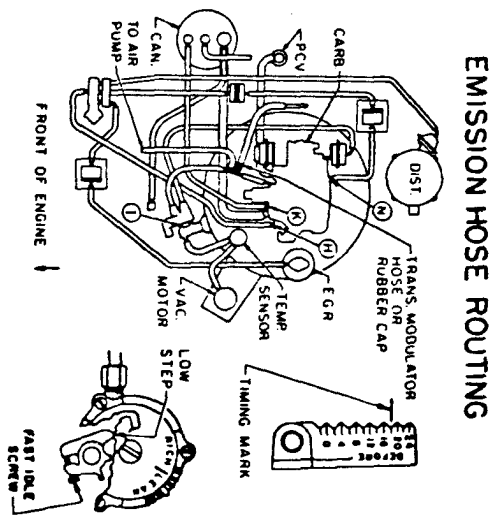
Date of Issue: 081778 Revisions: A. EC 1a and 2a added by RC 93-102, on 032179.
B. Labels for EC 1a & 2a corrected, were SD, on 111479.

Manufacturer: General Motors Corporation Executive Order No. A-6-140 Pg. 3

| | | | |
|--|---|-----------|---|
| SD 4.3 LITRE # 930H2AU/9B3-3 | VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION | GM | CATALYST - E.G.R. - A.I.R. LOW ALTITUDE CERTIFICATION |
| SET PARKING BRAKE AND BLOCK DRIVE WHEELS. | | | |
| MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULLY OPEN AND WHERE APPLICABLE AIR CONDITIONING OFF. | | | |
| 1. DISCONNECT MOULDED CONNECTOR FROM AIR CLEANER TVS SWITCH. | | | |
| 2. DISCONNECT VACUUM HOSES FROM PORTS (H), (X) AND (N) ON CARBURETOR AND PLUG PORTS. | | | |
| 3. SET TIMING AT SPECIFIED RPM, IN PARK. | | | |
| 4. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE. | | | |
| 5. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK. | | | |
| 6. ON AIR 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. | | | |
| 7. RECONNECT VACUUM HOSES TO PORTS (H), (X) AND (N) ON CARBURETOR. | | | |
| 8. INSTALL AIR CLEANER AND RECONNECT MOULDED CONNECTOR TO TVS SWITCH. | | | |
| MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULLY OPEN AND WHERE APPLICABLE AIR CONDITIONING OFF. | | | |
| 1. DISCONNECT MOULDED CONNECTOR FROM AIR CLEANER TVS SWITCH. | | | |
| 2. DISCONNECT VACUUM HOSES FROM PORTS (H), (X) AND (N) ON CARBURETOR AND PLUG PORTS. | | | |
| 3. SET TIMING AT SPECIFIED RPM, IN PARK. | | | |
| 4. ADJUST CARBURETOR IDLE SPEED SCREW TO SPECIFIED RPM, IN DRIVE. | | | |
| 5. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM, IN PARK. | | | |
| 6. ON AIR 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. | | | |
| 7. RECONNECT VACUUM HOSES TO PORTS (H), (X) AND (N) ON CARBURETOR. | | | |
| 8. INSTALL AIR CLEANER AND RECONNECT MOULDED CONNECTOR TO TVS SWITCH. | | | |
| SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION. | | | |
| THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS. | | | |
| PRINTED IN U.S.A. PART NO. 22300327 | | | |

| | | | | |
|--------------------------|-----------------------|----------------------|----------------------|---------------|
| TIMING (DEG. BTDC @ RPM) | GAP | TYPE | SOLENOID SCREW (RPM) | CHOKE SETTING |
| 18° @ 1100 (IN PARK) | 0.60 IN. | AC R4652 | 500 (IN DRIVE) | 2 N.R. |
| CARBURETOR SCREW (RPM) | FAST IDLE SCREW (RPM) | SOLENOID SCREW (RPM) | CHOKE SETTING | |
| 500 (IN DRIVE) | 800 (IN PARK) | 625 (IN DRIVE) | | |

IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE-UP IS NOT PROVIDED. FOR MAJOR REPAIR, ADJUSTING IDLE MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.



Manufacturer: General Motors Corporation Executive Order No. A-6-140 Pg. 4

| | | | | | | | | | | | | | | | | | | |
|--|---|---|--------------------------|----------------------|---------------|--------|-------------|----------------------------|----------------------|----------------|------------------------|----------------|--|--|-----------------------|---------------|--|--|
| OT 4.3 LITRE # 930H2AU/983-3 | VEHICLE EMISSION CONTROL INFORMATION | CATALYST - E.G.R. - A.I.R. LOW ALTITUDE CERTIFICATION | | | | | | | | | | | | | | | | |
| GENERAL MOTORS CORPORATION | | | | | | | | | | | | | | | | | | |
| SET PARKING BRAKE AND BLOCK DRIVE WHEELS. | | | | | | | | | | | | | | | | | | |
| MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKER FULLY OPEN AND WHERE APPLICABLE AIR CONDITIONING OFF. 1. DISCONNECT MOLDED CONNECTOR FROM AIR CLEANER TVS SWITCH. 2. DISCONNECT VACUUM HOSES FROM PORTS ①, ② AND ③ ON CARBURETOR AND PLUG PORTS. 3. SET TIMING AT SPECIFIED RPM IN PARK. 4. ADJUST CARBURETOR FAST IDLE SPEED SCREW TO SPECIFIED RPM ON LOW STEP OF CAM IN PARK. 5. ON AIR 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. 7. RECONNECT VACUUM HOSES TO PORTS ①, ② AND ③ ON CARBURETOR. 8. INSTALL AIR CLEANER AND RECONNECT MOLDED CONNECTOR TO TVS SWITCH. | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">TIMING (DEG. BTDC @ RPM)</td> <td style="width: 33%;">18° @ 1100 (IN PARK)</td> <td style="width: 33%;">CHOKE SETTING</td> <td style="width: 33%;">2 N.R.</td> </tr> <tr> <td>SPARK PLUGS</td> <td>GAP .060 IN. TYPE AC R46S2</td> <td>SOLENOID SCREW (RPM)</td> <td>625 (IN DRIVE)</td> </tr> <tr> <td>CARBURETOR SCREW (RPM)</td> <td>500 (IN DRIVE)</td> <td></td> <td></td> </tr> <tr> <td>FAST IDLE SCREW (RPM)</td> <td>800 (IN PARK)</td> <td></td> <td></td> </tr> </table> | | | TIMING (DEG. BTDC @ RPM) | 18° @ 1100 (IN PARK) | CHOKE SETTING | 2 N.R. | SPARK PLUGS | GAP .060 IN. TYPE AC R46S2 | SOLENOID SCREW (RPM) | 625 (IN DRIVE) | CARBURETOR SCREW (RPM) | 500 (IN DRIVE) | | | FAST IDLE SCREW (RPM) | 800 (IN PARK) | | |
| TIMING (DEG. BTDC @ RPM) | 18° @ 1100 (IN PARK) | CHOKE SETTING | 2 N.R. | | | | | | | | | | | | | | | |
| SPARK PLUGS | GAP .060 IN. TYPE AC R46S2 | SOLENOID SCREW (RPM) | 625 (IN DRIVE) | | | | | | | | | | | | | | | |
| CARBURETOR SCREW (RPM) | 500 (IN DRIVE) | | | | | | | | | | | | | | | | | |
| FAST IDLE SCREW (RPM) | 800 (IN PARK) | | | | | | | | | | | | | | | | | |
| IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE-UP IS NOT PROVIDED 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 II FOR ADDITIONAL INFORMATION. | | | | | | | | | | | | | | | | | | |
| PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS. PART NO. 22306032 | | | | | | | | | | | | | | | | | | |

EMISSION HOSE ROUTING