State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-146
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:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
960V4S	425	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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
960V4S	0.32	4.5	1.4

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, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-6 series.

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

G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-146 Page 1

Engine Family 960V4S Engine (CID) 425

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

Evap Family 9B4-6

Division	Basic Body	Trim	Body Type	
6				Cadillac
	C	D	47	DeVille Coupe
	C	D	69	DeVille Sedan
	C	B	69	Brougham Sedan
	D	F	23	Limousine
	D	F	33	Formal Limousine
	Z	Z	90	Commercial Chassis

Issued: 081778.

AIR RESOURCES BOARD 1979 SUPPLEMENTAL DATA SHEET - GM FORMAT
Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-146 Pg. 2

Engine Family 960V4S Engine CID 425 Transm. Auto-3

Exhaust Emission Control System AI/EGR/OC +10% (A/C) Yes [X] No [ ]

Eng. Code	Air Cond.	Ign.Syst. EI,CA,VA ESAC Distrib. Part No.	Fuel System 4V-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 1103392	Rochester 17059530	17057481	4500	6	C	D	47	A-3	MM 3	
						6	C	D	69			
					5000	6	C	B	69			
1a					4500	6	C	D	47			A
					5000	6	C	B	69			
1b					4500	6	C	D	47		MU 4	B
					5000	6	C	B	69			B
3		1103395	17059532	17056272	5000	6	D	F	23		MN 3	
					5500	6	D	F	33			
					5500+	6	Z	Z	90			

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 added by RC 96-42, on 092278. B. EC 1b added by RC 96-50, on 101178.

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Manufacturer: General Motors Corporation Executive Order No. A-6-146 Pg. 3

MM * 960V4S 9844 7.0 LITRE

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

1. PLACE TRANSMISSION IN PARK AND BLOCK DRIVE WHEELS.
2. DISCONNECT AND PLUG VACUUM LINE TO PARKING BRAKE RELEASE TO PREVENT AUTOMATIC RELEASE OF PARKING BRAKE WHEN SHIFTING TRANSMISSION IN STEP 7. SET PARKING BRAKE.
3. WITH ENGINE AT NORMAL OPERATING TEMPERATURE, AIR CLEANER OFF, CHOKE OFF AND AIR CONDITIONER OFF, MAKE ENGINE ADJUSTMENTS AS FOLLOWS.
4. DISCONNECT AND PLUG DISTRIBUTOR, E.G.R. VALVE, ECONOMY SWITCH, AND AIR CLEANER VACUUM LINES.
5. WITH TRANSMISSION IN "PARK" SET TIMING AT SPECIFIED R.P.M.
6. WITH TRANSMISSION IN "PARK", SET FAST IDLE TO SPECIFIED R.P.M. WITH CAM ON SECOND STEP.
7. RECONNECT DISTRIBUTOR, ECONOMY SWITCH, AND E.G.R. VACUUM LINES. PLACE TRANSMISSION IN "DRIVE" AND ADJUST CARBURETOR SCREW TO SPECIFIED R.P.M.
8. ON MODELS WITH IDLE SOLENOID, DISCONNECT ELECTRICAL CONNECTOR AT FRONT OF AIR CONDITIONER COMPRESSOR. TURN AIR CONDITIONER TO "AUTO" POSITION. OPEN THROTTLE SLIGHTLY TO EXTEND IDLE SOLENOID. ADJUST IDLE SOLENOID SCREW TO SPECIFIED R.P.M. RECONNECT AIR CONDITIONER COMPRESSOR.
9. RECONNECT AIR CLEANER AND PARKING BRAKE RELEASE VACUUM LINES. REINSTALL AIR CLEANER.

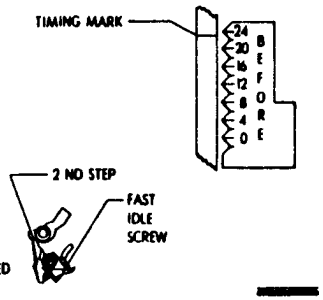
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS.

CATALYST A.I.R. E.G.R.-E.F.E.
LOW ALTITUDE CERTIFICATION

TIMING (DEG. B.T.D.C. AT R.P.M.)	23 AT 1600
SPARK PLUG GAP (INCHES)	.060
CARBURETOR SCREW (R.P.M.)	550
FAST IDLE SCREW (R.P.M.)	1500
IDLE SOLENOID SCREW (R.P.M.)	650

IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT THE 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 I FOR ADDITIONAL INFORMATION.



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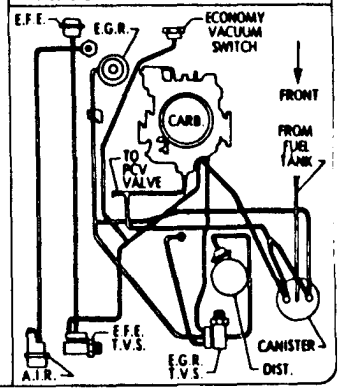
MM VACUUM HOSE ROUTING



MN * 960V4S 9844 7.0 LITRE

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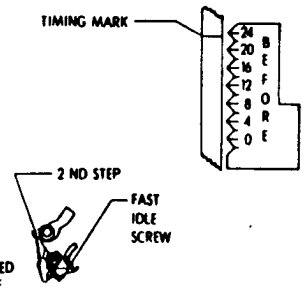

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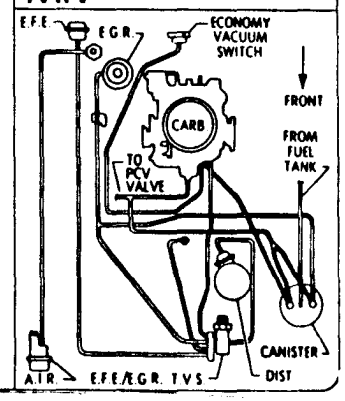
MN VACUUM HOSE ROUTING



E. O. No. A-6-146
Eng. Fam. 960V4S
S.D.Sheet 3

Issued: 081778.

MU * 960V4S 9B4-6 7.0 LITRE

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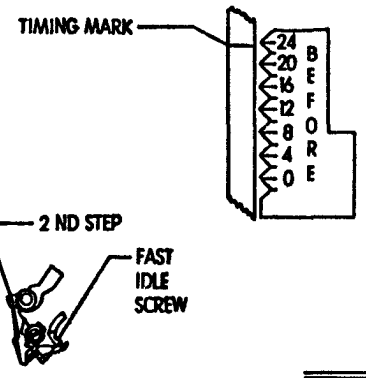

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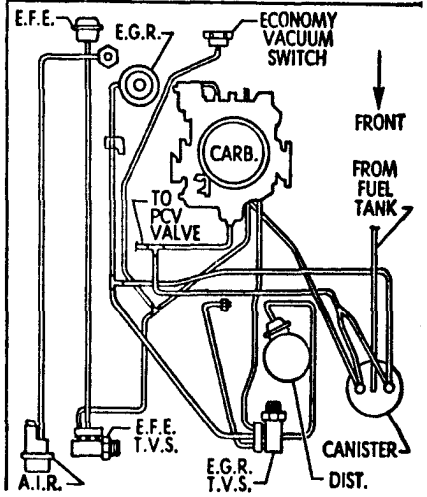

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Eng. Fam. 960V4S
S.D. Sheet 4