## State of California AIR RESOURCES BOARD

# EXECUTIVE ORDER A-6-138 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)
940E4DVT	231	Air Injection Exhaust Gas Recirculation Oxidation Catalyst (Turbocharged) (Electronic Spark Advance Control)

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	Carbon Monoxide	Nitrogen Oxides
	Grams per Mile	Grams per Mile	Grams per Mile
940E4DVT	0.29	8.4	1.5

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 25 day of August, 1978.

G. C. Hass, Chief

Vehicle Emissions Control Division

## 1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Ge	eneral Motors Corp.	Executive Order No.	A-6-138 P	age <u>1</u>
Engine Family	940E4DVT	Engine (CID) 231		

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

Evaporative Family <u>9B4-4</u>

	Basic Body	Trim	Body Type	-
-			Βι	ıick
	Α	Ε	09 _	Century Special Sedan
			87	Century Special Coupe
		G	87	Century Sport Coupe
		Н	09	Century Custom Sedan
			87	Century Custom Coupe
		K	47	Regal Sport Coupe
		L	09	Century Limited Sedan
			87	Century Limited Coupe
	В	F	37	LeSabre Sport Coupe -
	Ε	Υ	57	Riviera S Type
		7	57	Riviera

4EY57 model name corrected: 120178

Issued: 082878

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No.A-6-138 Pg. 2

Engine Family \_\_940E4DVT

Engine CID 231 Transm. A-3

Exhaust	Emission (	Control System	AI-EGR-OC		+10%	(A/C	) Y	esX	No		
Eng. Air Code 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 Or WO	Delco Remy 1110765	Rochester 17059543	17060898	3500	4	А		09 47 87		BM 3 or JR 4	А
2		17059540	17060899	4000	4	В		37	·		
3	·	17059542			4	Ε		57		BN 3 or JS 4	A
4	1110774	17059543	17062025 17063974	3500	4	Α		87		BM 3 or JR 4	B A

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: 082878 Revisions: A. Tune-up labels JR & JS added by RC 94-104, on 120178.

B. EGR valve 17063974 added by RC 94-165, on 041679.

Issued: 120178.

Manufacturer: General Motors Corporation

Executive Order No. A-6-138 Pg. 4

THIS VEHICLE CONFI	SLE SERVICE MANUA	1. ADDIKT CARBURETOR SPEED S 3. ETCORRICT LGR VALVE HOSE	STIGHT NO COLLS	POSCOURICE AND	VACUUM FITTINGS AND/OR HOSES	MANUADIISIMENTS	TI PARKING BRAKE AND BLOCK WHEELS		JR Independent
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS,	SLE SERVICE MANUAL AND MAINTENANCE SCHEDULE III FOR ADDITIONAL INFORMATION.	EXECUTE CARBURETOR SPEED SCREW TO SPECIFIED RPM IN DRIVE.	SHITD ON HIGHEST CAM STEP, RECONNECT DISTRIBUTOR VACUUM ADVANCE HOSE.	DISCOULACT AND PLUG DISTRIBUTOR VACUUM HOSE AND EGR HOSE TO EGR VALVE.	ND/OR HOSES.	TARKE ADMISSIMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, AIR	AND BLOCK WHEELS		GENERAL MOTORS CORPORATION
WODEL YEAR NEW PASSENGE	FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.	IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE-UP IS NOT PROVIDED.	FAST IDLE SCREW (RPM)	CARBURETOR SCREW (RPM)	GAP GAP	NAME OF THE PARTY.	TIMING (*8.T.D.C. @ RPM)	LOW ALTITUDE CERTIFICATION	CATALYST
R CARS.	DJUSTING MIXTURE N APPROVED LEDURE MAY OR CALIFORNIA	ARE PRESET AND PROVISION FOR TUNE - UP IS NOT	2500 (PARK)	650 (DRIVE)	.040/.060 IN.	Reets/Reetsx	15° 60 650	MAUTOMATIC	TRANSASTSION
	A.I.R. PUMP  A.I.R. PUMP  BY PASS VIV  VIV  VIV  THERMAC MOTOR  APPLIE  VACUUM HOVE ROUTING	Joseph Market Ma	CAMISIN	NAVI 1801 BUILD BUILD IN THE STATE OF THE ST	FINER THREE SW	T.T.V.R.	WASHGALL		1 (C.V.) (C.W. WV

THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS.	SEE SERVICE MANUAL AND MAINTENANCE SCHEDULETFOR ADDITIONAL INFORMATION		CLUTCH FEED WIRE.  6. RECONNECT EGR VALVE HOSE.	FEED WIRE (GREEN) AT A/C CLUTCH, VERIFY ELECTRIC CURRENT AVAILABLE AT SOLENOID.  5. ADJUST COLUNIO TO SPECIFIED RPM IN DRIVE THRN A/C OFF AND RECONNECT A/C	A. TURN A/CONTO MAX POSITION AND COIDEST TEMPERATURE DISCONNECT A/C CHITCH	SPEED ON HIGHEST CAM STEP, RECONNECT DISTRIBUTOR VACUUM ADVANCE HOSE.	1. DISCONNECT AND PLUG DISTRIBUTOR VACUUM HOSE AND EGR HOSE TO EGR VALVE. 2. SET TIMING AT SPECIFIED RPM. WITH TRANSMISSION IN PARK SET FAST INTO TO SPECIFIED.	FITTINGS AND FOR HOSES.	MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE; CHOKE OPEN, AIR	SET PARKING BRAKE AND BLOCK WHEELS		JS "940EADYT GENERAL MOTORS CORPORATION CM
DEL YEAR NEW PASSENGER	SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.	FOR MAJOR REPAIR, ADJUSTING MIXTURE	ADJUSTMENT DURING TUNE - UP IS NOT PROVIDED.	IDLE MIXTURE SCREWS ARE PRESET AND	SOLENOID SCREW (RPAL)	FAST IDLE SCREW (RPM)	CARBURETOR SCREW (RPM)	GAP	PALL SILLS	TIMING (*8,1,D.C. # RPM)	TOW ALTITUDE CERTIFICATION	CATALYST
CARS.	APPROVED JURE MAY R CALIFORNIA	USTING MIXTURE	ION SI AN BUCK	RE PRESET AND	650 (DRIVE)	2500 (PARK)	600 (DRIVE)	.0407.060 IN.	R4415/R4415X	15* 60 600	AUTOMATIC	TRANSMISSION
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