State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-142
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)
910L4RU	305, 350	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
910L4RU	0.27	5.4	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, 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 23 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-6-142 Page 1

Engine Family 910L4RU Engine (CID) 305, 350

Evaporative Family 9B4-1

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

	DIVISION	BASIC BODY	TRIM	BODY TYPE
Chevrolet Models				
Malibu Sedan	1	A	T	19
Malibu Notchback Coupe				27
Malibu Calssic Sedan			W	19
Malibu Classic Notchback Coupe				27
Malibu Wagon			T	35
Malibu Classic Wagon			W	
Caballero Pickup Delivery				80
El Camino Pickup Delivery				
Monte Carlo Sport Coupe			Z	37
Impala Coupe		B	L	47
Impala Sedan				69
Caprice Classic Coupe			N	47
Caprice Classic Sedan				69
Impala Wagon			L	35
Caprice Classic Wagon			N	
Camaro Sport Coupe		F	Q	87
Camaro Berlinetta Sport Coupe			S	
Nova Hatchback Coupe		X	X	17
Nova Coupe				27
Nova Sedan				69
Nova Custom Coupe			Y	27
Nova Custom Sedan				69
Corvette "Fastback" Sport Coupe		Y	Z	87
Pontiac Models				
LeMans Sedan	2	A	D	19
LeMans Coupe				27
LeMans Safari Station Wagon				35
Grand LeMans Sedan			F	19
Grand LeMans Coupe				27
Grand LeMans Safari Station Wagon				35
Grand AM Sedan			G	19
Grand AM Coupe				27
Grand Prix SJ		G	H	37
Grand Prix			J	
Grand Prix LJ			K	
Phoenix Hatchback Coupe		X	Y	17
Phoenix Coupe				27
Phoenix Sedan				69
Phoenix LJ Coupe			Z	27
Phoenix LJ Sedan				69
Oldsmobile Models				
Omega Hatchback Coupe	3	X	B	17
Omega Coupe				27
Omega Sedan				69
Omega Brougham Coupe			E	27
Omega Brougham Sedan				69
Cutlass Salon Sedan		A	G	09
Cutlass Salon Coupe				87
Cutlass Salon Brougham Sedan			J	09
Cutlass Salon Brougham Coupe				87
Cutlass Supreme Coupe			R	47
Cutlass Supreme Brougham Coupe			M	
Cutlass Calais Coupe			K	
Cutlass Brougham Cruiser			H	35
Cutlass Cruiser			G	
Buick Models				
Century Special Sedan	4	A	E	09
Century Special Coupe				87
Century Custom Sedan			H	09
Century Custom Coupe				87
Century Sport Coupe			G	87
Century Limited Sedan			L	09
Century Limited Coupe				87
Regal Coupe			J	47
Regal Limited Coupe			M	
Century Special Wagon			E	35
Century Custom Wagon			H	
Skylark Hatchback Coupe		X	B	17
Skylark Coupe				27
Skylark Sedan				69
Skylark Custom Hatchback Coupe			C	17
Skylark Custom Coupe				27
Skylark Custom Sedan				69
Skylark 'S' Coupe			W	27

ISSUED 082178.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6- 142 Pg. 2

Engine Family 910L4RU Engine CID 305 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 Dist. 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 1103368	Rochester 17059504	17057419	3500	1234	A		09 19 27 47 87 37	A-3	CF 4	
1A			17059507				G		37			A
2	W/O		17059502			1234	A		09 19 27 47 87 37			
2A			17059505				G		37			A
3	W		17059504	17059420	4000	1234	A		35			
3A			17059507			1			80			A
4	W/O		17059502			1234	A		35			
4A			17059505			1			80			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: 082178. Revisions: A. EC 1A, 2A, 3A & 4A added by RC 91-89, on 110678.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6- 142

Engine Family 910L4RU Engine CID 350 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 Dist. 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
11	W	Delco Remy 1103285	Rochester	17057420	4000	1	B		47 69	A-3	CN 4	
			17059504				A		19 27			
11A			17059507			1234	X		17 27 69			A
12	W/O		17059502			1	B		47 69			
							A		19 27			
12A			17059505			1234	X		17 27 69			A
15	W		17059504	17057423	4500	1	B		35			
15A			17059507		4000	1	F		87			A
							Y		87		CR 4	
16	W/O		17059502		4500	1	B		35		CN 4	
16A			17059505		4000	1	F		87			A
							Y		87		CR 4	
17	W		17059504	17062066		1	Y		87			B
17A			17059507									
18	WO		17059502			1	Y		87			
18A			17059505									

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: 082178. Revisions: A. EC 11A, 12A, 15A & 16A added by RC 91-89, on 110678.
B. EC 17, 17A, 18 & 18A added by RC91-119, on 111478.

CF
5.0 LITRE
(305 CU. IN.)
★ 910L4RU
984-1

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED
3. WITH AIR CONDITIONING: DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR. WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR CONDITIONING SWITCH OFF
4. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

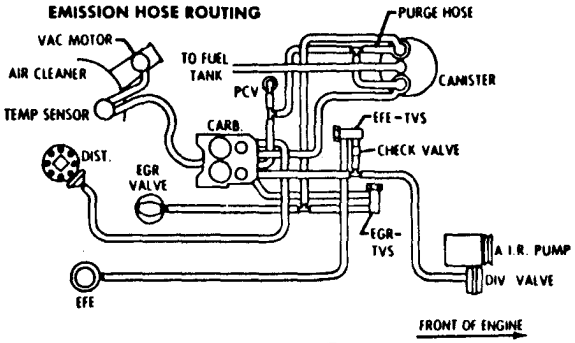
CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION
	AUTOMATIC
TIMING (° BTC @ RPM)	4° @ 500
SPARK PLUG GAP (IN.)	0.045
CURB IDLE SPEED (RPM)	500 (DR)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	600 (DR)
FAST IDLE SPEED (RPM)	1600 (P) OR (N)

NOTE 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.

EMISSION HOSE ROUTING



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CN
5.7 LITRE
(350 CU. IN.)
★ 910L4RU
984-1

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED
3. WITH AIR CONDITIONING: DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR. WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR CONDITIONING SWITCH OFF
4. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

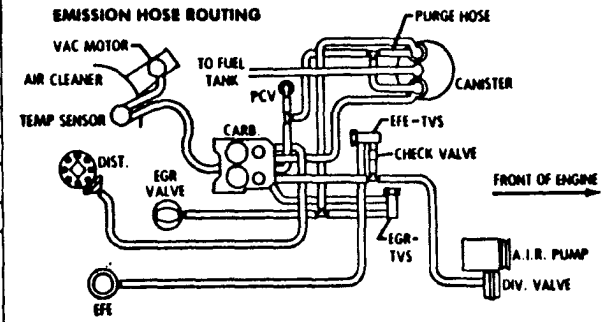
CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION
	AUTOMATIC
TIMING (° BTC @ RPM)	8° @ 500
SPARK PLUG GAP (IN.)	0.045
CURB IDLE SPEED (RPM)	500 (DR)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	600 (DR)
FAST IDLE SPEED (RPM)	1600 (P) OR (N)

NOTE 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.

EMISSION HOSE ROUTING



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CR
5.7 LITRE
(350 CU. IN.)
★ 910L4RU
984L-1

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED.
3. WITH AIR CONDITIONING: DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR. WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR CONDITIONING SWITCH OFF
4. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

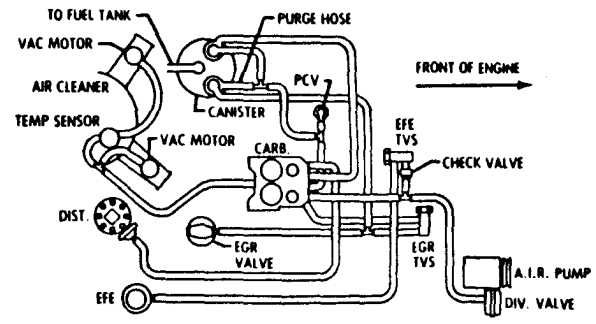
CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION
	AUTOMATIC
TIMING (° BTC @ RPM)	8° @ 500
SPARK PLUG GAP (IN.)	0.045
CURB IDLE SPEED (RPM)	500 (DR)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	600 (DR)
FAST IDLE SPEED (RPM)	1600 (P) OR (N)

NOTE 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, MAINTENANCE SCHEDULE II AND EMISSION HOSE ROUTING LABEL FOR ADDITIONAL INFORMATION.

CR EMISSION HOSE ROUTING



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Reduce to 9.25"

2" X 9 1/4" - 2 pc. Label

7-15-78

E.O.A-6-142 S.D.Sheet 4
Eng. Fam. 910L4RU

Issued: 082178.