

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-128
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: 820X6EU

Engine: 151 CID

Transmission: 3-Speed automatic

Exhaust Emission Control System: Three-Way Catalyst, Exhaust Gas Recirculation, Early Fuel Evaporation

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>
820X6EU	.38	5.7	1.2

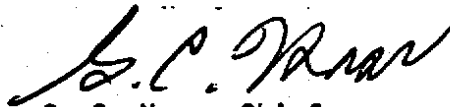
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" 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".

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 27 day of September, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-128-1
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: 820X6EU
Engine: 151 CID
Transmission: 4-Speed Manual
Exhaust Emission Control System: Three-Way Catalyst, Exhaust Gas Recirculation, Early Fuel Evaporation

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>
820X6EU	.38	5.7	1.2

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

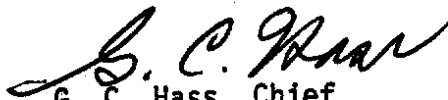
EXECUTIVE ORDER A-6-128-1
(Page 2 of 2)

These vehicles are in addition to those previously certified for this engine family.

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 January, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET-GM FORMAT

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-128 Page 1

Engine Family 820X6EU Engine (CID) 151

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
OS-Oxygen Sensor
PAI-Pulse Air Injection
TC-Turbo Charged
TWC-Three Way Catalyst

DIVISION	BASIC BODY	TRIM	BODY TYPE	
1				<u>CHEVROLET</u>
	H	M	07	Monza 2 + 2 Hatchback Coupe
	H	R	07	Monza 2 + 2 Sport Hatchback Coupe
	H	M	15	Monza Station Wagon
	H	M	27	Monza Coupe
	H	R	27	Monza Sport Coupe
	H	M	77	Monza "S" Hatchback Coupe
2				<u>PONTIAC</u>
	H	M	07	Sunbird Sport Hatchback Coupe
	H	M	15	Sunbird Sport Safari Station Wagon
	H	E	27	Sunbird Coupe
	H	M	27	Sunbird Sport Coupe
3				<u>OLDSMOBILE</u>
	H	D	07	Starfire SX
	H	T	07	Starfire

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: General Motors CorporationExecutive Order No. A-6-128 Pg. 2Engine Family 820X6EU Engine (CID) 151 Transm. _____Exhaust Emission Control System EGR,TWC,EFE +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	Delco Remy 1103365	Holley 10001056	17057175 No Service	3000	123 12 12 1	H H H H		07 15 27 77	A-3	RK 3	A	
2	W/O		10001058			123 12 12 1	H H H H		07 15 27 77		RJ 3		
3	W		10005604	17061701		123 1 12 1	H H H H		07 15 27 77	M-4	TL or TN 4		A
4	W/O		10005603			123 12 12 1	H H H H		07 15 27 77		TK or TM 4		A

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

Date of Issue: 092777. Revisions: A. E.C. 3 & 4 added by RC82-135, on 010978.

RJ	151 CU. IN. 120XGEU BBEV	VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION	GM	LOW ALTITUDE CERTIFICATION	CATALYST	151 CU. IN. 120XGEU BBEV
SET PARKING BRAKE AND BLOCK DRIVE WHEELS. REMOVE AIR CLEANER, PLUG THERMIC VACUUM SOURCE, AND START ENGINE. MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKE OPEN, MANUAL TRANSMISSION IN NEUTRAL, AUTOMATIC TRANSMISSION IN DRIVE - UNLESS OTHERWISE NOTED.				EGR EFE TIMING (° B.T.C. @ RPM) 14° @ 1000 MAX SPARK PLUG GAP .060 INCH SOLID SCREW (RPM) SOLENOID ACTIVE 650 IN DRIVE CARB SCREW (RPM) SOLENOID INACTIVE 500 IN DRIVE CHOKE SETTING 1 NOTCH INCH FAST IDLE SCREW (RPM) 2400 IN PARK VACUUM BREAK SETTING REAR - IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP <u>NOT</u> RECOMMENDED. 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. Part 14 1987734		
1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR. 2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED. 3. RECONNECT VACUUM ADVANCE HOSE EXCEPT 400 CU. IN. MANUAL TRANS. VEHICLES. 4. DISCONNECT PURGE HOSE AT CARBISTER (PLUG HOSE ON 151 CU. IN. ENGINE). 5. DISCONNECT IDLE SOLENOID, IF SO EQUIPPED. SET CARB SCREW TO OBTAIN SPECIFIED RPM - SOLENOID INACTIVE. 6. IF SOLENOID EQUIPPED: CONNECT SOLENOID AND OPEN THROTTLE MOMENTARILY TO ASSURE SOLENOID IS FULLY EXTENDED. SET SOLENOID SCREW TO OBTAIN SPECIFIED RPM - SOLENOID ACTIVE. 7. RECONNECT DISTRIBUTOR VACUUM HOSE ON 400 CU. IN. ENGINE MANUAL TRANS. VEHICLES. 8. PLACE AUTOMATIC TRANSMISSION IN PARK. 9. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE. 10. ADJUST FAST IDLE SCREW ON TOP CAM STEP TO OBTAIN SPECIFIED RPM. 11. STOP ENGINE. REMOVE HOSE PLUGS, REPLACE AIR CLEANER, RECONNECT ALL HOSES.				VACUUM HOSE ROUTING		

THIS VEHICLE CONFORMS TO U.S. EPA & CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES.

RK	151 CU. IN. 120XGEU BBEV	VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION	GM	LOW ALTITUDE CERTIFICATION	CATALYST	151 CU. IN. 120XGEU BBEV
SET PARKING BRAKE AND BLOCK DRIVE WHEELS. DISCONNECT A/C COMP. CLUTCH CONNECTOR, REMOVE AIR CLEANER, PLUG THERMIC VACUUM SOURCE, AND START ENGINE. MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKE OPEN, A/C OFF, MANUAL TRANSMISSION IN NEUTRAL, AUTOMATIC TRANSMISSION IN DRIVE - UNLESS OTHERWISE NOTED.				EGR EFE TIMING (° B.T.C. @ RPM) 14° @ 1000 MAX SPARK PLUG GAP .060 INCH SOLID SCREW (RPM) SOLENOID ACTIVE 850 IN DRIVE CARB SCREW (RPM) SOLENOID INACTIVE 650 IN DRIVE CHOKE SETTING 1 NOTCH INCH FAST IDLE SCREW (RPM) 2400 IN PARK VACUUM BREAK SETTING REAR - IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP <u>NOT</u> RECOMMENDED. 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. Part 14 1987734		
1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR. 2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED. 3. RECONNECT VACUUM ADVANCE HOSE EXCEPT 400 CU. IN. MANUAL TRANS. VEHICLES. 4. DISCONNECT PURGE HOSE AT CARBISTER (PLUG HOSE ON 151 CU. IN. ENGINE). 5. SET CARB SCREW TO OBTAIN SPECIFIED RPM - SOLENOID INACTIVE. A/C CONTROL OFF. 6. TURN A/C CONTROL ON AND OPEN THROTTLE MOMENTARILY TO ASSURE SOLENOID IS FULLY EXTENDED. SET SOLENOID SCREW TO OBTAIN SPECIFIED RPM - SOLENOID ACTIVE. 7. RECONNECT DISTRIBUTOR VACUUM HOSE ON 400 CU. IN. ENGINE MANUAL TRANS. VEHICLE. 8. PLACE AUTOMATIC TRANSMISSION IN PARK. 9. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE. 10. ADJUST FAST IDLE SCREW ON TOP CAM STEP TO OBTAIN SPECIFIED RPM. 11. STOP ENGINE. REMOVE HOSE PLUGS, REPLACE AIR CLEANER, RECONNECT A/C COMPRESSOR CLUTCH CONNECTOR AND ALL HOSES.				VACUUM HOSE ROUTING		

THIS VEHICLE CONFORMS TO U.S. EPA & CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES.

Manufacturer: General Motors Corporation

Executive Order No. A-6-128 Pg. 4

S.D. Sheet 4 added by RC 82-135.

E. O. A-6-128
S. D. Sheet 4

TK	2.5 LITRE ENGINE TYPE	VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION	LOW ALTITUDE CERTIFICATION	CATALYST
SET PARKING BRAKE AND BLOCK DRIVE WHEELS. REMOVE AIR CLEANER AND START ENGINE. MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, MANUAL TRANSMISSION IN NEUTRAL. 1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR. 2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED. 3. RECONNECT VACUUM ADVANCE HOSE. 4. DISCONNECT AND PLUG PURGE HOSE AT CARBISER. 5. SET THE SOLENOID IDLE SCREW TO OBTAIN SPECIFIED RPM WITH SOLENOID ACTIVE. DISCONNECT SOLENOID WIRE, SET IDLE SPEED SCREW TO OBTAIN SPECIFIED RPM WITH SOLENOID INACTIVE. RECONNECT SOLENOID WIRE. 6. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE. 7. ADJUST FAST IDLE SCREW ON TOP STEP OF FAST IDLE CAN TO OBTAIN SPECIFIED RPM. 8. STOP ENGINE. REMOVE HOSE PLUGS AND RECONNECT EGR VACUUM HOSE AND CARBISER HOSE.				TIME (°B.T.C. @ RPM) SPARK PLUG GAP SOLENOID SCREW (RPM) SOLENOID ACTIVE SOLENOID SCREW (RPM) SOLENOID INACTIVE CHOKER SETTING FAST IDLE SCREW (RPM) VACUUM BREAK SETTING SOLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP NOT RECOMMENDED. 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. SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES.				TIME (°B.T.C. @ RPM) SPARK PLUG GAP SOLENOID SCREW (RPM) SOLENOID ACTIVE SOLENOID SCREW (RPM) SOLENOID INACTIVE CHOKER SETTING FAST IDLE SCREW (RPM) VACUUM BREAK SETTING SOLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP NOT RECOMMENDED. 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. SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.

TL	2.5 LITRE ENGINE TYPE	VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION	LOW ALTITUDE CERTIFICATION	CATALYST
SET PARKING BRAKE AND BLOCK DRIVE WHEELS. REMOVE AIR CLEANER AND START ENGINE. MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, A/C OFF, MANUAL TRANSMISSION IN NEUTRAL. 1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR. 2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED. 3. RECONNECT VACUUM ADVANCE HOSE. 4. DISCONNECT AND PLUG PURGE HOSE AT CARBISER. 5. SET IDLE SPEED SCREW TO OBTAIN SPECIFIED RPM. TURN A/C CONTROL SWITCH ON. OPER THROTTLE MOMENTARILY TO INSURE SOLENOID IS FULLY EXTENDED. SET SOLENOID IDLE SCREW TO SPECIFIED RPM. TURN A/C OFF. 6. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE. 7. ADJUST FAST IDLE SCREW ON TOP STEP OF FAST IDLE CAN TO OBTAIN SPECIFIED RPM. 8. STOP ENGINE. REMOVE HOSE PLUGS, AND RECONNECT EGR VACUUM HOSE. CARBISER HOSE AND A/C COMPRESSOR CLUTCH CONNECTOR.				TIME (°B.T.C. @ RPM) SPARK PLUG GAP SOLENOID SCREW (RPM) SOLENOID ACTIVE SOLENOID SCREW (RPM) SOLENOID INACTIVE CHOKER SETTING FAST IDLE SCREW (RPM) VACUUM BREAK SETTING SOLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP NOT RECOMMENDED. 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. SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE II FOR ADDITIONAL INFORMATION.
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Labels TM & TN carry same information as TK & TL in a smaller format.
TK & TL are on Chevrolets. TM & TN are on Pont. & Olds.