State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-111-3
Relating to Certification of New Motor Vehicles

MOLONEY COACHBUILDERS

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 Moloney Coachbuilders exhaust emission control systems for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: GM 860V4S
Engine: 425 CID
Transmission: 3-speed automatic
Exhaust Emission Control Systems: Air Injection, Early Fuel Evaporation, Exhaust Gas Recirculation, Oxidation Catalyst

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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
GM 860V4S	.29	3.7	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 28 day of November, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Trucks ☐ Medium Duty Vehicles

Manufacturer Moloney Coachbuilders Executive Order No. A-111-3 Page 1

Engine Family GM 860V4S Engine (CID) 425 Engine Code

Emission Control System AI, EGR, OC, EFE +10%(A/C) Yes ☒ No ☐

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type HEI C, V Mfgr. Part Number	Fuel System Type 4V Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
1	"Twenty-One"	A-3	5000	Delco 1103345	Rochester 17058530	GM 17056272	See label KB - Pg. 2
1a						No Service	See label KX - Pg. 2

Moloney "Twenty-One" models are made from the following models of Cadillac:

	GM Model Code
DeVille Sedan	6CD69
Fleetwood Brougham	6CB69

Limo. modification extends body, aft of rear doors, and wheelbase, by 7" and increases weight by approximately 75 lbs.

Abbreviations:
- 4V - 4 Venturi Carburetor
- EFI - Electronic Fuel Injection
- C - Centrifugal Advance
- V - Vacuum Advance
- HEI - High Energy Ignition
- AI - Air Injection
- EGR - Exhaust Gas Recirculation
- OC - Oxidation Catalyst
- EFE - Early Fuel Evaporation

Comments: All models have special road load HP settings.

Date of Issue 112377. Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: MOLONEY COACHBUILDERS

Executive Order No. A-111-3 Pg. 2

Issued: 112377.

E.O. A-111-3
S.D. Sheet 2

19° @1600; .060; 600; 1500; 675

KX 86 OV45 8BFV 425 CU. IN.

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 8.
3. SET PARKING BRAKE.
4. WITH ENGINE AT NORMAL OPERATING TEMPERATURE, AIR CLEANER ON, CHOKE OFF AND AIR CONDITIONER OFF, MAKE ENGINE ADJUSTMENTS AS FOLLOWS:
5. DISCONNECT AND PLUG DISTRIBUTOR AND E.G.R. VALVE VACUUM LINES.
6. WITH TRANSMISSION IN "PARK" SET TIMING AT SPECIFIED R.P.M.
7. WITH TRANSMISSION IN "PARK", SET FAST IDLE TO SPECIFIED R.P.M. WITH CAM ON SECOND STEP.
8. RECONNECT DISTRIBUTOR AND E.G.R. VACUUM LINES. PLACE TRANSMISSION IN "DRIVE" AND ADJUST CARBURETOR SCREW TO SPECIFIED R.P.M.

   NOTE: DO NOT DEPRESS SERVICE BRAKE PEDAL WHILE SETTING IDLE SPEEDS.
9. 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.
10. RECONNECT PARKING BRAKE RELEASE LINE.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION.

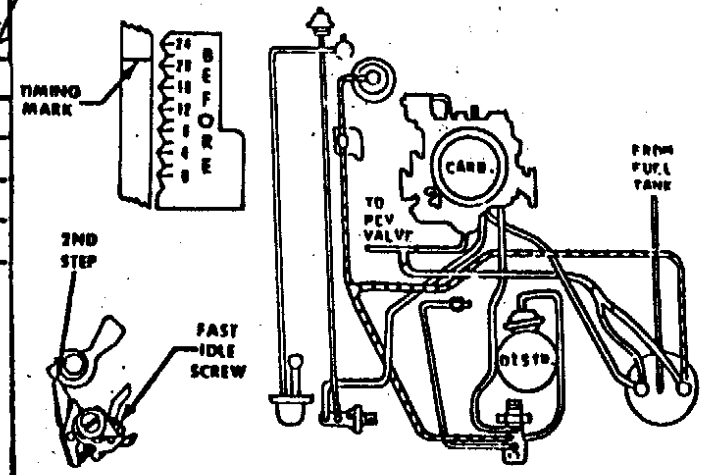
CATALYST -A.I.R.-E.G.R.-E.F.E.

LOW ALTITUDE CERTIFICATION

TIMING (DEG. B.T.D.C. @ R.P.M.)	
SPARK PLUG GAP (INCHES)	.060
CARBURETOR SCREW (R.P.M.)	600
FAST IDLE SCREW (R.P.M.)	1500
IDLE SOLENOID SCREW (R.P.M.)	675

NOTE

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT REMOVE CAPS. ADJUSTMENT DURING TUNE-UP IS 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.



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

PART NO. 1615307

21° @1600; .060; 600; 1500; 675

KB 86 OV45 8BFV 425 CU. IN.

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 8.
3. SET PARKING BRAKE.
4. WITH ENGINE AT NORMAL OPERATING TEMPERATURE, AIR CLEANER ON, CHOKE OFF AND AIR CONDITIONER OFF, MAKE ENGINE ADJUSTMENTS AS FOLLOWS:
5. DISCONNECT AND PLUG DISTRIBUTOR AND E.G.R. VALVE VACUUM LINES.
6. WITH TRANSMISSION IN "PARK" SET TIMING AT SPECIFIED R.P.M.
7. WITH TRANSMISSION IN "PARK", SET FAST IDLE TO SPECIFIED R.P.M. WITH CAM ON SECOND STEP.
8. RECONNECT DISTRIBUTOR AND E.G.R. VACUUM LINES. PLACE TRANSMISSION IN "DRIVE" AND ADJUST CARBURETOR SCREW TO SPECIFIED R.P.M.

   NOTE: DO NOT DEPRESS SERVICE BRAKE PEDAL WHILE SETTING IDLE SPEEDS.
9. 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.
10. RECONNECT PARKING BRAKE RELEASE LINE.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION.

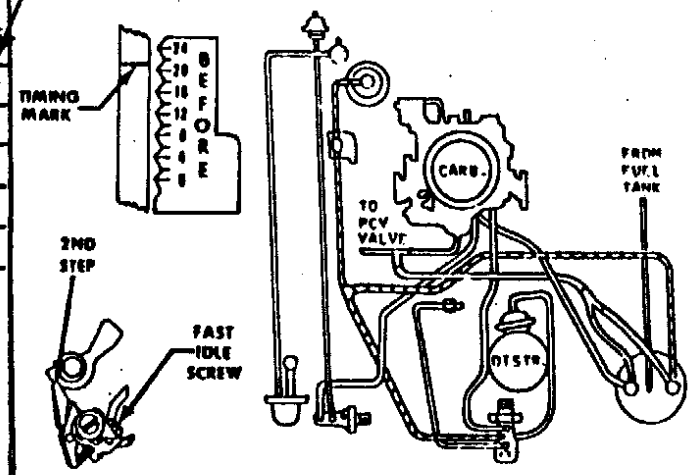
CATALYST -A.I.R.-E.G.R.-E.F.E.

LOW ALTITUDE CERTIFICATION

TIMING (DEG. B.T.D.C. @ R.P.M.)	21 @ 1600
SPARK PLUG GAP (INCHES)	.060
CARBURETOR SCREW (R.P.M.)	600
FAST IDLE SCREW (R.P.M.)	1500
IDLE SOLENOID SCREW (R.P.M.)	675

NOTE

IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT REMOVE CAPS. ADJUSTMENT DURING TUNE-UP IS 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.



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

PART NO. 1613389