

E.O.  
11/19/72

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-16  
Relating to Approval of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems for 1974 model year light-duty motor vehicles are approved for the engine family described below:

Engine Family: GM-101-2B

Emission Control System: Controlled Combustion System and Exhaust Gas Recirculation.

Engine Size: 140 CID

Vehicle Models: <u>Chevrolet Models</u>	<u>Model Number</u>
Vega Hatchback Coupe	THN77
Vega Notchback Sedan	THN71
Vega Kamback Wagon	THN75
Vega Panel Express	THN05

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for that vehicle for which approval has been granted by the Board.

The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
GM-101-2B	2.9	27	1.8

According to the California Assembly-Line Test Procedure for 1974 Model Light-Duty Gasoline Powered Vehicles, these values shall be in effect during the first calendar quarter of model production and not to exceed 30 days thereafter. Not more than one month after the first and each succeeding calendar quarter of production, the exhaust emissions shown on the window decal shall be the average quality audit values for the engine family of the previous calendar quarter of production.

Section B3 of the above procedure requires the manufacturer to submit to the Executive Officer before the start of the model-year, a list of the engine components and control systems affecting emissions to be functionally checked and the procedure for performing these checks.

In accordance with Section III E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the Air Resources Board of any production changes which will affect emissions.

Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

The Department of Motor Vehicles, the California Highway Patrol and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this 4<sup>th</sup> day of December, 1973.

JOHN A. MAGA  
Executive Officer

AIR RESOURCES BOARD  
 SUPPLEMENTAL INFORMATION  
 1974 Model-Year  
 Light Duty Vehicles

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MANUFACTURER: GENERAL MOTORS CORPORATION

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle C <sup>o</sup> or AFR
Vega Hatchback Coupe	140	1 - 2V	M-3	GM-101-28	3,000	700 RPM (1)	10° BTDC @ 700 RPM (1)	Lean drop (3)
			M-4			750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)
			A-3			700 RPM (1)	10° BTDC @ 700 RPM (2)	Lean drop (3)
Vega Notchback Sedan			M-3		3,000	750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)
			M-4			700 RPM (1)	10° BTDC @ 700 RPM (2)	Lean drop (3)
			A-3			750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)
Vega Kammback Wagon			M-3		3,000	700 RPM (1)	10° BTDC @ 700 RPM (2)	Lean drop (3)
			M-4			750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)
			A-3			700 RPM (1)	10° BTDC @ 700 RPM (1)	Lean drop (3)
Vega Panel Express			M-3		3,000	750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)
			M-4			700 RPM (1)	10° BTDC @ 700 RPM (1)	Lean drop (3)
			A-3			750 RPM (2)	12° BTDC @ 750 RPM (2)	Lean drop (4)

- (1) In neutral with distributor vacuum line plugged.
- (2) In drive with distributor vacuum line plugged.
- (3) 800 to 700 RPM in neutral.
- (4) 800 to 750 RPM in drive.

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Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System		
							Exhaust	NOx	Other
Vega Hatchback Coupe	140	1 - 2V	M-3	Delco Remy #110532	C-V	Holley #338179, #338181	CCS, TCS	EGR	Can
			M-4						
			A-3						
Vega Notchback Sedan	140	1 - 2V	M-3	Delco Remy #110532	C-V	Holley #338179, #338181	CCS, TCS	EGR	Can
			M-4						
			A-3						
Vega Kamback Wagon	140	1 - 2V	M-3	Delco Remy #110532	C-V	Holley #338179, #338181	CCS, TCS	EGR	Can
			M-4						
			A-3						
Vega Panel Express	140	1 - 2V	M-3	Delco Remy #110532	C-V	Holley #338179, #338181	CCS, TCS	EGR	Can
			M-4						
			A-3						

\* C - Centrifugal  
 V - Vacuum  
 VR - Vacuum Retard