

State of California
AIR RESOURCES BOARD

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

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 gasoline engines for 1973-model year heavy-duty motor vehicles are approved for the families described below:

<u>Engine Family</u>	<u>Engine Size (Cubic Inches)</u>	<u>Exhaust Emission Control System</u>	<u>Engine Models</u>
GM112	292	Air	L-25
GM113	307, 350	EM	LC-8, LS-9, LF-9
GM114	366, 427	Air	L-88, L-43
GM115	454	Air	LF-8
GM311	379, 432, 478	Air	379, 432, 478

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

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

<u>Engine Family</u>	<u>Hydrocarbons plus Nitrogen Dioxide gms/BHP-hr</u>	<u>Carbon Monoxide gms/BHP-hr</u>
GM112	10.6	14.5
GM113	15.8	32.8
GM114	12.3	20.0
GM115	11.3	8.4
GM311	13.9	22.9

A supplemental information sheet is attached to this letter which includes tune-up specifications and emission control system data.

It is requested that General Motors Corporation inform the AIRB of any production changes which will affect emissions.

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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 14th day of August 1972.

JOHN A. MACA
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model Year
Heavy-Duty Vehicles

EXECUTIVE ORDER A-6

MANUFACTURER: General Motors Corporation - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Mfrs. and Family	Tune-up Specifications		
					Idle RPM	Basic Timing	Idle CO or AFR
	292	1 Carb 1 Vent		GM 112	600 rpm (Neutral)	8° BTDC @ 600 rpm (Neutral)	Preset at factory
	292(a)	1 Carb 1 Vent		GM 112	600 rpm (Neutral)	8° BTDC @ 600 rpm (Neutral)	Preset at factory
C, K Trucks	307	1 Carb 2 Vent		GM 113	600 rpm (Neutral)	0° BTDC @ 600 rpm (Neutral)	Preset at factory
P Trucks	307	1 Carb 2 Vent		GM 113	600 rpm (Neutral)	0° BTDC @ 600 rpm (Neutral)	Preset at factory
C, K Truck	350	1 Carb 4 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
P Truck	350	1 Carb 4 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
PMotor Home	350	1 Carb 4 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
G Trucks	350	1 Carb 4 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
	350	1 Carb 2 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
	350(a)	1 Carb 2 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
	350(b)	1 Carb 2 Vent		GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory

See other side for additional information.

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Heavy-Duty Vehicles

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MANUFACTURER: General Motors Corporation - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Engine Mfrs. and Family	Tune-up Specifications	
					Idle RPM	Basic Timing
	350(c)	1 Carb 2 Vent	AT-475	GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)
	350(d)	1 Carb 2 Vent	AT-475	GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm
						Preset at factory Preset at factory

See other side for additional information.

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SUPPLEMENTAL INFORMATION
1973 Model-Year
Heavy-Duty Vehicles

MANUFACTURER: GENERAL MOTORS CORPORATION, CHEVROLET DIVISION

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control Systems		
							Exhaust	NOx	Other
CK Trucks	292	1 Carb 1 Vent		Delco-Remy 1110518	C-V	Rochester 7043312 or 7043326	Air		Canister PLC**
	292(a)	1 Carb 1 Vent		1110518	C-V	7043326	"		"
	307	2 Vent		1112096	C-V	7043138	EM		"
	307	2 Vent		1112096	C-V	7043108	EM		"
C, K Trucks	350	4 Vent		1112097	C-V	7043228	EM		"
P Trucks	350	4 Vent		1112097	C-V	7043208	EM		"
P MotorHomes	350	4 Vent		1112097	C-V	7043225	EM		"
G Trucks	350	4 Vent		1112097	C-V	7043215	EM		"
	350	2 Vent		1112149	C	7043123	EM		"
	350(a)	2 Vent		1111367	C	7030688	EM		"
	350(b)	2 Vent		1111364	C	7043124 or 7043424	EM		"
	350(c)	2 Vent	AT-475	1111373	C	7030699	EM		"
	350(d)	2 Vent	AT-475	1111369	C	7030699	EM		"

- (a) Governed at 3000 rpm
 (b) Governed at 4000 rpm
 (c) Governed at 3600 rpm
 (d) Governed at 4100 rpm

** PLC - Plastic Limiter Caps over Idle Mixture Screw
 (Absence of PLC may be a violation of V.C. 27156)

*C- Centrifugal

V- Vacuum

Other - as noted

**AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model Year
Heavy-Duty Vehicles**

MANUFACTURER: GENERAL MOTORS - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Mfrs. and Family	Tune-up Specifications		
					Idle RPM	Basic Timing	Idle CO or AFR
All except P Models P Models	366	Holley-4 Vent		GM 114	750 (neutral)	8° BTDC @ 750 rpm	Preset at factory
	366 (a)	"		"	"	"	"
	366 (c)	"		"	"	"	"
	366 (d)	"		"	"	"	"
	427	"		"	"	"	"
	427 (e)	"		"	"	"	"
	427 (c)	"		"	"	"	"
	427 (d)	"		"	"	"	"
	454	Roch 4-Vent		GM 115	700 (neutral)	8° BTDC @ 750 rpm	"
	454	"		"	"	"	"

See other side for additional information.

AIR RESOURCES BOARD
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1973 Model-Year
Heavy-Duty Vehicles

MANUFACTURER: GENERAL MOTORS - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control Systems		
							Exhaust	NOx	Other
All except P Model P Model	366	Holley-4 Vent		Delco-Remy 1111365	C	Holley 694392	AIR		Canister " PLC**
	366 (a)	"		1111368	"	"	"		"
	366 (c)	"		1111374	"	"	"		"
	366 (d)	"		1111370	"	"	"		"
	427 Holley-4 Vent			1111365	C	Holley 694393	AIR		Canister "
	427 (e)	"		1111375	"	"	"		"
	427 (c)	"		1111374	"	"	"		"
	427 (d)	"		1111370	"	"	"		"
	454 Roch - 4-Vent			1112105	C-V	Rochester 7043507	AIR		Canister "
	454	"		"	"	7043527	"		"

**PLC - Plastic Limiter Caps over Idle Mixture Screw.
(Absence of PLC may be a violation of VC27156)

- (a) Governed at 3000 rpm
(c) Governed at 3600 rpm
(d) Governed at 4100 rpm
(e) Governed at 3400 rpm

*C- Centrifugal
V- Vacuum
VR-Vacuum retard

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973 Model Year
Heavy-Duty Vehicles

MANUFACTURER: General Motors Corporation - GMC Truck & Coach

Vehicle Model	Engine C.I.D. No. of Venturi	Trans- mission	Engine Mfrs. and Family	Tune-up Specifications	
				Idle RPM	Basic Timing
	379 Bendix 2 Vent		GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)
Conv & Tilt	432 Bendix 2 Vent		GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)
School Bus	432 Bendix 2 Vent		GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)
Conv. & Tilt	478 Bendix 2 Vent		GM 811	525 (Neutral)	7.5° BTDC @ 525 rpm (Neutral)
School Bus	478 Bendix 2 Vent		GM 811	525 (Neutral)	7.5° BTDC @ 525 rpm (Neutral)
					Preset at factory
					Preset at factory
					Preset at factory
					Preset at factory
					Preset at factory

See other side for additional information.

AIR RESOURCES BOARD
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1973 Model-Year
Heavy-Duty Vehicles

MANUFACTURER: General Motors Corporation - GMC Truck & Coach

Vehicle Model	Engine C.I.D. No. of Venturi	Carburetor	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System		
							Exhaust	NOx	Other
Conv. & Tilt School Bu Conv. & Tilt School Bu	379 Bendix 2 Vent			Delco-Remy 1112674	C	Bendix 695407	Air		Canister PLC **
	432 Bendix 2 Vent			1112674	C	Bendix 695409	Air		Canister PLC**
	432 Bendix 2 Vent			1112674	C	Bendix 695411	Air		"
	478 Bendix 2 Vent			1112674	C	Bendix 695409	Air		"
	478 Bendix 2 Vent			1112674	C	Bendix 695411	Air		"

**PLC-Plastic Limiter Caps over Idle Mixture Screw
(Absence of PLC may be a violation of V.C. 27156)

*C- Centrifugal

V- Vacuum

VR-Vacuum Retard

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION

1973-Model Year

Manufacturer: General Motors Corp.
Chevrolet Division

Engines for Heavy-Duty Vehicles

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Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Tune-Up Specifications		
				Idle RPM	Basic Timing	Idle CO or AFR
L-25	292 Rochester	Carb- 1 vent	GM 112	600 RPM (neutral)	8° BTDC @ 600 RPM (neutral)	Present at factory
LG-8	307 "	2 vent	GM 113	"	0° BTDC @ 600 RPM (neutral)	" " "
LS-9	350 "	4 vent	" "	"	4° BTDC @ 600 RPM (neutral)	" " "
LF-9	350 "	2 vent	" "	"	" " "	" " "

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1973-Model Year

Engines for Heavy-Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION, Chevrolet Division

Engine Model	Engine C.I.D. No. of Venturi	Carburetor No. of Venturi	Distributor Make & No.	Type Adv.*	Carburetor Make No.	Emission Control System		
						Exhaust	NOx	Other
L-25	292	1 Carb - 1 vent	Delco-Remy 1110518	C-V	Rochester 7043312 or 7043326	AIR		PLC**
	292(a)	"	"	"		AIR		PLC**
LG-8	307	2 vent	" 1112096	C-V	7043138 or 7043108	EM		"
LS-9	307	"	"					"
	350	4 vent	" 1112097	C-V	7043228	EM		"
	350	"	"	"	7043208	"		"
	350	"	"	"	7043225	"		"
	350	"	"	"	7043215	"		"
LF-9	350	2 vent	" 1112149	C	7043123	"		"
	350(a)	"	" 1111367	"	7030699	"		"
	350(b)	"	" 1111364	"	7043124 or 7043424	"		"
	350(c)	"	" 111373	"	7030699	"		"
	350(d)	"	" 1111369	"	7030699	"		"

** PLC - Plastic Limiter Caps over Idle Mixture Screw.
(Absence of PLC may be a violation of V.C. 27156)

- (a) Governed at 3000 rpm
(b) Governed at 4000 rpm
(c) Governed at 3600 rpm
(d) Governed at 4100 rpm

* C-Centrifugal
V-Vacuum
VR-Vacuum Retard

AIR RESOURCES BOARD
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1973-Model Year

Manufacturer:

Engines for Heavy-Duty Vehicles

GENERAL MOTORS CORPORATION: CHEVROLET DIVISION

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Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Tune-Up Specifications	
				Idle RPM	Basic Timing Idle CO or AFR
L-86	366 366(a) 366(c) 366(d) 427 427(e) 427(c) 427(d) 454	Holley- 4 vent	GM 114	750 (neutral)	8° BTDC @ 750 rpm (neutral)
L-43					
LF-8		Rochester- 4 vent	GM 115	700 (neutral)	8° BTDC @ 700 rpm (neutral)

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Engines for Heavy-Duty Vehicles

Manufacturer: GENERAL MOTORS-CHEVROLET DIVISION

Engine Model	Engine C.I.D.	Carburetor No. of Venturi	Distributor Make & No.	Type Adv.#	Carburetor Make No.	Emission Control System		
						Exhaust	NOx	Other
L-86	366	Holley-4Vent	Delco-Remy 1111365	C	Holley 694392	AIR		PLC**
	366(a)	"	1111368	"	"	"		"
	366(c)	"	1111374	"	"	"		"
	366(d)	"	1111370	"	"	"		"
L-43	427	"	1111365	"	Holley 694393	AIR		Canister
	427(a)	"	1111375	"	"	"		"
	427(c)	"	1111374	"	"	"		"
	427(d)	"	1111370	"	"	"		"
LF-8	454	Roch.-4 vent	1112105	C-V	Rochester 7043507	AIR		Canister
	454	"	"	"	7043527	"		"

* C-Centrifugal
V-Vacuum
VR-Vacuum Retard

(a) Governed at 3000 rpm
(b) Governed at 3600 rpm
(c) Governed at 4100 rpm
(d) Governed at 3400 rpm

** PLC - Plastic Limiter Caps over Idle Mixture Screws
(Absence of PLC may be a violation of V.R.C.17.5c).

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION

1973-Model Year

Manufacturer:

Engines for Heavy-Duty Vehicles
CATERPILLAR MOTORS CORPORATION: GMC Truck & Coach

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Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Tune-Up Specifications	
				Idle RPM	Basic Timing Idle CO or AFR
379	379	Bendix - 2 vent	GM 811	525 (neutral)	8° BTDC @ 525 rpm (neutral)
432	432	"	"	"	"
432	432	"	"	"	"
478	478	"	"	"	7.5° BTDC @ 525 rpm (neutral)
478	478	"	"	"	"
					Proset at factory

AIR RESOURCE BOARD
SUPPLEMENTAL INFORMATION
1973-Model Year

Engines for Heavy-Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION - GMC Truck & Coach

Engine Model	Engine C.I.D.	Carburetor No. of Venturi	Distributor Make & No.	Type Adv.*	Carburetor Make No.	Emission Control System			
						Exhaust	NOx	Evap.	Other
379	379	Bendix -2 vent	Delco-Remy 1112674	C	Bendix 695407	Air		Canister	PLC**
432	432	"	"	"	" 695409	"		"	
432	432	"	"	"	" 695411	"		"	
478	478	"	"	"	" 695409	"		"	
478	478	"	"	"	" 695411	"		"	

* C-Centrifugal
V-Vacuum
VR-Vacuum Retard

** PLC - Plastic Limiter Caps over Idle Mixture Screw.
(Absence of PLC may be a violation of V.C. 271.56).