

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	LG-8, LS-9, LF-9
GM114	366, 427	Air	L-88, L-43
GM115	454	Air	LF-8
GMS11	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/BRP-hr</u>	<u>Carbon Monoxide gms/BRP-hr</u>
GM112	10.6	14.5
GM113	15.8	32.8
GM114	12.3	20.0
GM115	11.3	8.4
GMS11	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 AIR 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	Idle RPM	Tune-up Specifications	
						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.

AIR RESOURCES BOARD
 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	Transmission	Engine Mfrs. and Family	Idle RPM	Tune-up Specifications	
						Basic Timing	Idle CO or AFR
	350(c)	1 Carb 2 Vent	AT-475	GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm (Neutral)	Preset at factory
	350(d)	1 Carb 2 Vent	AT-475	GM 113	600 rpm (Neutral)	4° BTDC @ 600 rpm	Preset at factory

See other side for additional information.

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

MANUFACTURER: GENERAL MOTORS CORPORATION, CHEVROLET DIVISION

EXECUTIVE ORDER A-6

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

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

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

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	Idle RPM	Tune-up Specifications	
						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	"		"	"	"	"

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	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control Systems		
							Exhaust	Evap.	Other
	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	"	"	"	"	"
All except P Model	454	Roch - 4-Vent		1112105	C-V	Rochester 7043507	AIR	Canister	"
P Model	454	"		"	"	7043527	"	"	"

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

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

*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	Gearbox	Trans- mission	Engine Mfrs. and Family	Idle RPM	Tune-Up Specifications	
						Basic Timing	Idle CO or AFR
Conv & Tilt	379 Bendix 2 Vent			GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)	Preset at factory
School Bus	432 Bendix 2 Vent			GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)	Preset at factory
Conv. & Tilt	432 Bendix 2 Vent			GM 811	525 (Neutral)	8° BTDC @ 525 rpm (Neutral)	Preset at factory
School Bus	478 Bendix 2 Vent			GM 811	525 (Neutral)	7.5° BTDC @ 525 rpm (Neutral)	Preset at factory
School Bus	478 Bendix 2 Vent			GM 811	525 (Neutral)	7.5° BTDC @ 525 rpm (Neutral)	Preset at factory

See other side for additional information.

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

*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. Engines for Heavy-Duty Vehicles Executive Order A-6
Chevrolet Division

Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Idle RPM	Tune-Up Specifications	
					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	Evap.	
L-25	292	1 Carb - 1 vent	Delco-Remy 1110518	C-V	Rochester 7043312 or 7043326	AIR		Canister	PLC**
	292(a)	"	"	"		AIR		Canister	PLC**
LG-8	307	2 vent	1112096	C-V	7043138 or 7043108	EM		Canister	"
	307	"	"	"	7043228	EM		Canister	"
LS-9	350	4 vent	1112097	C-V	7043208	"		"	"
	350	"	"	"	7043225	"		"	"
	350	"	"	"	7043215	"		"	"
	350	"	"	"	7043123	"		"	"
LF-9	350	2 vent	1112149	C	7030699	"		"	"
	350(a)	"	1111367	"	7043124 or 7043424	"		"	"
	350(b)	"	1111364	"	7030699	"		"	"
	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. 271.56)

- (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
SUPPLEMENTAL INFORMATION

1973-Model Year

Engines for Heavy-Duty Vehicles

Manufacturer:

GENERAL MOTORS CORPORATION: CHEVROLET DIVISION

EXECUTIVE ORDER A-6

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)

AIR RESOURCE BOARD
 SUPPLEMENTAL INFORMATION
 1973-Model Year

Engines for Heavy-Duty Vehicles

Manufacturer: GENERAL MOTORS-CHEVROLET DIVISION

Engine Model	Engine C.I.D.	Engine No. of Venturi	Carburetor	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	Canister	PLCS*
	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

* PLCS - Positive Limiter Caps over Idle Mixture Screw
 (Absence of PLC may be a violation of V.I.C.17.5c)

AIR RESOURCES BOARD
 SUPPLEMENTAL INFORMATION

1973-Model Year

Manufacturer: GENERAL MOTORS CORPORATION: GMC Truck & Coach
 Engines for Heavy-Duty Vehicles
 Executive Order: A-6

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

AIR RESOURCES BOARD
 SUPPLEMENTAL INFORMATION
 1973-Model Year

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

Engine Model	Engine C.I.D.	Engine No. of Venturi	Carburetor	Distributor Make & No.	Type Adv.*	Carburetor Make No.	Emission Control System			
							Exhaust	NOx	Evap. Other	
379	379	Bundix -2 vent	Bundix	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).