

E.O.  
9/11

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-12  
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 families described below:

Engine Family: GM101-1

Emission Control System: Engine Modification (CCS) and Exhaust Gas Recirculation.

Engine: 140 CID with 1-Venturi Carburetor.

Vehicle Models:	<u>Model Name</u>	<u>Model Number</u>
	<del>Vega</del> Hatchback Coupe	1 HV 77
	<del>Vega</del> Notchback Sedan	1 HV 11
	Vega Kamback Wagon	1 HV 15
	Vega Panel Express	1 HV 05

Engine Family: GM104-4

Emission Control System: Air Injection Reaction and Exhaust Gas Recirculation.

Engine: 350 CID and 400 CID with 4-Venturi Carburetor.

Vehicle Models:	<u>Chevrolet Models</u>	<u>Model Number</u>
	Malibu 2Dr Sport Coupe	1 AC 37
	Malibu 4DR Sedan	1 AC 29
	Malibu Classic 2 DR Sport Coupe	1 AD 37
	Malibu Classic 4 Dr Sedan	1 AD 29
	Laguna Type S3 2 Dr Sport Coupe	1 AE 37

Vehicle Models:  
(Cont.)

<u>Chevrolet Models</u>	<u>Model Number</u>
Malibu Wagon	1 AC 35
Malibu Classic Wagon	1 AD 35
Malibu Classic Estate Wagon	1 AG 35
El Camino	1 AC 80
El Camino Classic	1 AD 80
Monte Carlo	1 AH 57
Camaro	1 FQ 87
Camaro "LT"	1 FS 87
Corvette 2 DR Sport Coupe	1 YZ 37
Corvette 2 DR Convertible	1 YZ 67
Nova 2 DR Coupe	1 XX 27
Nova 2 DR Hatchback Coupe	1 XX 17
Nova 4 DR Sedan	1 XX 69
Nova Custom 2 DR Coupe	1 XY 27
Nova Custom Hatchback Coupe	1 XY 17
Nova Custom 4 DR Sedan	1 XY 69
Belair 4 DR Sedan	1 BK 69
Impala 2 DR Sport Coupe	1 BL 57
Impala 2 DR Custom Coupe	1 BL 47
Impala 4 DR Sport Sedan	1 BL 39
Impala 4 DR Sedan	1 BL 69
Caprice Classic 2 DR Sport Coupe	1 BN 47
Caprice Classic 2 DR Convertible	1 BN 67
Caprice Classic 4 DR Sedan	1 BN 69
Caprice Classic 4 DR Sport Sedan	1 BN 39
Belair 2 Seat Wagon	1 BK 35
Belair 3 Seat Wagon	1 BK 45
Impala 2 Seat Wagon	1 BL 35
Impala 3 Seat Wagon	1 BL 45
Caprice Classic 2 Seat Wagon	1 BN 35
Caprice Classic 3 Seat Wagon	1 BN 45
C-10 Blazer	CC10514
C-10 Stepside Pickup (117 WB)	CC10703 + E62
C-10 Stepside Pickup (131 WB)	CC10903 + E62
C-10 Fleetside Pickup (117 WB)	CC10703 + E63
C-10 Fleetside Pickup (131 WB)	TC10903 + E63
C-10 Suburban	CC10906

Vehicle Models:  
(Cont.)

<u>Chevrolet Models</u>	<u>Model Number</u>
G-10 Chevy Van (110WB)	CG11005
G-10 Chevy Van (125 WB)	CG11305
G-10 Sport Van (110 WB)	CG11006
G-10 Sport Van (125 WB)	CG11306
G-10 Beauville Sport Van (110 WB)	CG11006 + E94
G-10 Beauville Sport Van (125 WB)	CG11306 + E94
G-20 Chevy Van (110 WB)	CG21005
G-20 Chevy Van (125 WB)	CG21305
G-20 Sport Van (110 WB)	CG21006
G-20 Sport Van (125 WB)	CG21306
G-20 Beauville Sport Van (110 WB)	CG21006 + E94
G-20 Beauville Sport Van (125 WB)	CG21306 + E94
G-30 Sport Van (125 WB)	CG31306
G-30 Beauville Sport Van (125 WB)	CG31306 + E94
K-10 Blazer	CK10514
K-10 Stepside Pickup (117 WB)	CK10703 + E62
K-10 Stepside Pickup (131 WB)	CK10903 + E62
K-10 Fleetside Pickup (117 WB)	CK10703 + E63
K-10 Fleetside Pickup (131 WB)	CK10903 + E63

<u>G.M.C. Truck &amp; Coach Models</u>	<u>Model Number</u>
Sprint	5AC80
Sprint Custom	5AD80
C-15 Jimmy	TC10514
C-15 Fenderside Pickup (117 WB)	TC10703 + E62
C-15 Fenderside Pickup (131 WB)	TC10903 + E62
C-15 Wideside Pickup (117 WB)	TC10703 + E63
C-15 Wideside Pickup (131 WB)	TC10903 + E63
C-15 Suburban	TC10906
G-15 Van Dura (110 WB)	TG11005
G-15 Van Dura (125 WB)	TG11305
G-15 Rally Wagon (110 WB)	TG11006
G-15 Rally Wagon (125 WB)	TG11306
G-15 Rally STX (110 WB)	TG11006 + E94
G-15 Rally STX (125 WB)	TG11306 + E94
G-25 Van Dura (110 WB)	TG21005
G-25 Van Dura (125 WB)	TG21305
G-25 Rally Wagon (110 WB)	TG21006
G-25 Rally Wagon (125 WB)	TG21306
G-25 Rally STX (110 WB)	TG21006 + E94

Vehicle Models: (Cont.)	<u>G.M.C. Truck &amp; Coach Models</u>	<u>Model Number</u>
	G-25 Rally STX (125 WB)	TG21306 + E94
	G-35 Rally Wagon (110 WB)	TG31306
	G-35 Rally STX (125 WB)	TG31306 + E94
	K-15 Jimmy	TK10514
	K-15 Fenderside (117 WB)	TK10703 + E62
	K-15 Fenderside (131 WB)	TK10903 + E62
	K-15 Wideside (117 WB)	TK10703 + E63
	K-15 Wideside (131 WB)	TC10903 + E63

Engine Family: GM105

Emission Control System: Air Injection Reaction and Exhaust Gas Recirculation.

Engine: 454 CID

Vehicle Models:	<u>Model Name</u>	<u>Model Number</u>
	Laguna Sport Coupe	1AE37
	Malibu Sport Coupe	1AC37
	Malibu Sedan	1AC29
	Malibu Classic Sport Coupe	1AD37
	Malibu Classic Sedan	1AD29
	El Camino Classic	1AD80
	El Camino	1AC80
	Malibu Classic Estate Wagon	1AG35
	Malibu Classic Wagon	1AD35
	Malibu Wagon	1AC35
	Monte Carlo Coupe	1AH57
	Caprice Classic Coupe	1BN47
	Caprice Classic Sport Sedan	1BN39
	Caprice Classic Sedan	1BN69
	Caprice Classic Convertible	1BN67
	Impala Sport Coupe	1BL57
	Impala Sport Sedan	1BL39
	Impala Sedan	1BL69
	Impala Custom Coupe	1BL47
	Bel Air Sedan	1BK69

**Vehicle Models:**  
 (Cont.)

<u>Model Name</u>	<u>Model Number</u>
Caprice Estate 2 Seat Wagon	1BN35
Impala 2 Seat Wagon	1BL35
Impala 3 Seat Wagon	1BL45
Bel Air 2 Wagon	1BK35
Bel Air 3 Seat Wagon	1BK45
Caprice Estate 3 Seat Wagon	1BN45
Stepside P.U. (117 W.B.)	CC10703+E62
Stepside P.U. (131 W.B.)	CC10903+E62
Fleetside P.U. (117 W.B.)	CC10703+E63
Suburban (129 W.B.)	CC10906
Fleetside P.U. (131 W.B.)	CC10903+E63
Suburban (129 W.B.)	CC20906
Corvette Coupe	1YZ37
Corvette Convertible	1YZ67
Sprint Custom	5AD80
Spring	5AC80
Fenderside P.U. (117 W.B.)	TC10703+E62
Fenderside P.U. (131 W.B.)	TC10903+E62
Wideside P.U. (117 W.B.)	TC10703+E63
Suburban (129 W.B.)	TC10906
Wideside P.U. (131 W.B.)	TC10903+E63
Suburban (129 W.B.)	TC20906

Engine Family: GM601

Emission Control System: Engine Modification (CCS) and Exhaust Gas Recirculation.

Engine: 115.8 CID

Vehicle Models: Manta, Manta Luxus, Manta Rallye, Opel 1900.

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>
GM101-1	2.7	26	1.8
GM104-4	3.2	30	2.0
GM105	2.9	37	1.9
GM601	3.1	34	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 emission 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 II 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.

EXECUTIVE ORDER A-6-12

GENERAL MOTORS CORPORATION

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 13 day of September, 1973.

JOHN A. MAGA  
Executive Officer

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division		Tune-up Specifications						
Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Idle RPM	Basic Timing	Idle CO or AFR
Vega Hatchback Coupe, Vega Notchback Sedan, Vega Panel Express, Vega Kammback Wagon	140	1 Barrel	M-3 & M-4	GM 101-1	2750	700 in Neutral	10° BTDC @ 700 in Neutral	Set by Lean Drop Method 800 to 700 RPM in Neutral
			A-3				12° BTDC @ 750 in Drive	Set by Lean Drop Method 800 to 750 RPM in Drive
Vega Hatchback Coupe, Vega Notchback Sedan, Vega Panel Express					3000	750 in Drive		
Vega Kammback Wagon								



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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No. **	Emission Control System **			
							Exhaust	NOx	Evap.	Other
Vega Hatchback Coupe, Vega Notchback Sedan, Vega Panel Express, Vega Kammback Wagon	140	1 Barrel	M-3 & M-4	Delco Remy 11110496	C-V	Rochester 7044333 A/C 7044323	EM(CCS)	EGR 7049873	CAN	TCS
								EGR 7049875		
Vega Hatchback Coupe, Vega Notchback Sedan, Vega Panel Express			A-3			Rochester 7044334 A/C 7044324				
Vega Kammback Wagon										

\*\* A/C - Vehicles equipped with Air Conditioning.  
 EM(CCS) - Engine Modification (Controlled Combustion System).  
 EGR - Exhaust Gas Recirculation.  
 CAN - GMECS Charcoal Canister.  
 TCS - Transmission Controlled Spark Advance

C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard

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

EXECUTIVE ORDER A-6-12

**MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division**

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Malibu 2 Dr Sport Coupe, Malibu 4 Dr Sedan, Malibu Classic 2 Dr Spt Coupe, Malibu Classic 4 Dr Sdn, Laguna S3 2 Dr Spt Cpe, Malibu Wagon, El Camino, Sprint, El Camino Classic, Sprint Custom, Stepside P.U., Fenderside P.U., Fleetside P.U., Wideside PU Monte Carlo	350	4 Barrels	M-3	GM104-4	4500	900 RPM in Neutral	4° BTDC @ 900 in Neutral	Set by Lean Drop Method 950 to 900 RPM in Neutral
Stepside, Fender-side Pickups					4000			
Fleetside P.U., Wideside P.U.			M-4		5000			
Blazer, Jimmy, Stepside P.U., Fenderside, P.U., Fleetside P.U., Wideside P.U.					4500			
Stepside, Fender-side, Fleetside, Wideside P.U.'s.					5000			

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

EXECUTIVE ORDER A-6-12

Model	Engine C.I.D.	Carburetor No. of Venturi Barrels	Trans- mission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System **			
							Exhaust	NOx	Evap.	Other
Malibu 2 Dr Sport Coupe, Malibu 4 Dr Sedan, Malibu Classic 2 Dr Spt Coupe, Malibu Classic 4 Dr Sdn, Magnum S3 2 Dr Spt Cpe, Malibu Magnum, El Camino, Sprint, El Camino Classic, Sprint Custom, Stepside P.U., Fenderside P.U., Fleetside P.U., Wideside PU Monte Carlo	350	4 Barrels	M-3	Delco Remy 1112543	C-V	Rochester 7044503	AIR	EGR 7040599	CAN	TCS
Stepside, Fender- side Pickups Fleetside P.U., Wideside P.U., Magnum, Jimmy, Stepside P.U., Wideside P.U., Fleetside P.U., Wideside P.U.			M-4							
Stepside, Fender- side, Fleetside, Wideside P.U.'s.										

\*\* AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM in Drive	Basic Timing	Idle CO or AFR
Belair 4 Dr Sedan,	350	4 Barrels	A-3	GM-104-4	4500	600 RPM in Drive	8° BTDC @ 600 in Drive	Set by Lean Drop Method 630 to 600 RPM in Drive
Impala 2 Dr Sport Coupe, Impala 2-Dr Custom Coupe, Impala 4 Dr Sedan, Malibu 2 Dr Sport Cpe, Malibu 4 Dr Sdn, Malibu Classic 2 Dr Sport Cpe, Malibu Classic 4 Dr Sdn, Laguna S3 2 Dr Sport Cpe, Malibu Wagon, Monte Carlo, El Camino, Sprint, El Camino Classic Sprint Cstm, Step side, Fenderside, Fleetside, Wide-side PUs, Blazer, Jimmy								
Impala 4-Dr Sport Sdn, Malibu Classic Wagon, Malibu Classic Estate Wgn, Fleetside, Wide-side Fenderside Stepside P.U.s					5000			
Blazer, Jimmy, Stepside, Fender-side Pickups					4,000			

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

EXECUTIVE ORDER A-6-12

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System**		
							Exhaust	NOx	Evap. Other
Blazer 4 Dr Sedan, Impala 2 Dr Sport Coupe, Impala 2- r Custom Coupe, Impala 4 Dr Sedan, Malibu 2 Dr Sport Coupe, Malibu 4 Dr Sdn, Malibu Clas- sic 2 Dr Sport Coupe, Malibu Clas- sic 4 Dr Sdn, Camaro S3 2 Dr Sport Cpe, Malibu Wagon, Monte Carlo, Camino, Sprint, Camino Classic Sprint Custom, Chevy Stepside, Fender- side, Fleetside Blazer, Jimmy Blazer, Malibu Blazer, Malibu Clas- sic Estate Wgn, Chevy Stepside, Wide- side, Stepside, Blazer, Malibu Clas- sic P.U.'s Blazer, Jimmy,	350	4 Barrels	A-3	Delco Remy 1112093	C-V	Rochester 7044502	AIR	EGR 7040437	CAN

\*\* AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Corvette 2 Dr, Sport Cpe, Corvette 2-Dr Convrt	350	4 Barrels	M-4	GM-104-4	4000	900 RPM in Neutral	4° BTDC @ 900 RPM in Neutral	Set by Lean Drop Method 950 to 900 RPM
Belair 4 Dr Sdn, Impala 2 Dr Sport Cpe, Impala	400		A-3		4500	600 RPM in Drive	8° BTDC @ 600 RPM in Drive	Set by Lean Drop Method 630 to 600 RPM
2 Dr Custom Cpe, Malibu 2 Dr Sport Cpe, Malibu 4 Dr Sdn, Malibu Classic 2 Dr Sport Cpe, Malibu Classic 4 Dr Sdn, Laguna S3 2 Dr Sport Cpe, Malibu Wgn, Monte Carlo, El Camino, Sprint, El Camino Classic, Sprint Custom					5000			
Impala 4 Dr Sdn, Impala 4 Dr Sport Sdn, Caprice Classic 2 Dr Sport Cpe, 2 Dr Convrt -4 Dr Sdn -4 Dr Sport Sdn, Malibu Classic Wgn, Malibu Classic Estate Wgn								

**AIR RESOURCE BOARD**  
**SUPPLEMENTAL INFORMATION**  
**1974 Model-Year**  
**Light Duty Vehicles**

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Delco Remy Distributor Make & No.	Type Adv.*	Rochester Carburetor Make & No.	Emission Control System **			
							Exhaust	NOx	Evap.	Other
Corvette 2 Dr Sport Cpe, Corvette 2 Dr Conv	350	4 Barrels	M-4	1112544 or 1112150	C-V	7044507 or 7044211	AIR	EGR 7040599	CAN	TCS
	400			1112247 or 1112150		7044506 or 7044210		EGR 7040437		
Blair 4 Dr Sdn, Impala 2 Dr Sport Cpe, Impala Dr Custom Cpe, Malibu 2 Dr Sport Cpe, Malibu 4 Dr Sdn, Malibu Classic 2 Dr Sport Cpe, Malibu Classic 4 Dr Sdn, Laguna S3 2 Dr Sport Cpe, Malibu Sgn, Monte Carlo, Camino, Sprint, Camino Classic, print Custom, Impala 4 Dr Sdn, Impala 4 Dr Sport Sdn, Caprice Classic 2 Dr Sport Cpe, Dr Convrt -4 Dr Sdn, Malibu Classic Mgn, Malibu Classic Estate Mgn				1112545		7044526		EGR 7041416		

\*\* AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.

C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Belair 2 & 3 seat Wagon, Impala 2 & 3 seat Wgn, Caprice Classic 2 & 3 seat Wagon	400	4 Barrels	A-3	GM-104-4	5500	600 RPM in Drive	8° BTDC @ 600 RPM in Drive	Set by Lean Drop Method 630 to 600 RPM



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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Delco Remy Distributor Make & No.	Type Adv.*	Rochester Carburetor Make & No.	Emission Control System**		
							Exhaust	NOx	Other
Elair 2 & 3 seat Wagon, Impala 2 & seat Wgn, Aprice Classic 2 3 seat Wagon	400	4 Barrels	A-3	1112545	C-V	7044526	AIR	EGR 7041416	CAN

\*\* AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Barrels	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Camaro, Camaro LT	350	4 Barrels	M-3 & M-4	GM 104-4	4000	900 RPM in Neutral	4° BTDC @ 900 RPM in Neutral	Set by Lean Drop Method 950 to 900 RPM
Nova 2 Dr Cpe, & Nova 4 Dr Sdn, & 2 Dr Hatchback Cpe, Nova Custom 2 Dr Cpe -4 Dr Sdn - & 2 Dr Hatchback.						600 RPM in Drive	8° BTDC @ 600 RPM in Drive	Set by Lean Drop Method 630 to 600 RPM
Chevy Van, Van Dura						900 RPM in Neutral	8° BTDC @ 900 RPM in Neutral	950 to 900 RPM
						700 RPM in Drive	8° BTDC @ 700 RPM in Drive	730 to 700 RPM
						900 RPM in Neutral	4° BTDC @ 900 RPM in Neutral	950 to 900 RPM
						↓	↓	↓
Chevy Van, Van Dura	4000 & 4500	4500	5000	5000	4000 & 4500	600 RPM in Drive	8° BTDC @ 600 RPM in Drive	630 to 600 RPM
Sportvan, Rally- Wagn, Beauville Sport Van, Rally STX	4500 & 5000	4500	5000	5000	4500 & 5000	↓	↓	↓
Suburban	5000	5000	5000	5000	5000	↓	↓	↓

**AIR RESOURCE BOARD**  
**SUPPLEMENTAL INFORMATION**  
 1974 Model-Year  
 Light Duty Vehicles

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Delco Remy Distributor Make & No.	Type Adv.*	Rochester Carburetor Make & No.	Emission Control System **			
							Exhaust	NOx - EGR	Evap. Other	
Camaro, Camaro LT ova 2 Dr Cpe, ova 4 Dr Sdn, & Dr Hatchback Cpe, ova Custom 2 Dr pe -4 Dr Sdn - & Dr Hatchback.	350	4 Barrels	M-3 & M-4	1112543	C-V	Camaros 7044503 Nova's 7044507	AIR	7040599	CAN	TCS
			A-3	1112093			7040437			
			M-4 #	1112148			7040299			
			A-3	1112528 MP**			7041413			
hevy Van, Van ura, Sport Van, ally Wgn, Beau- ille, Sport Van, ally STX	350	4 Barrels	M-3	1112543	C-V	7044519		7040437		TCS
			A-3	1112093			7041416			
portvan, Rally gn, Beauville ptvan, Rally SIX uburban	350	4 Barrels	M-3	1112543	C-V	7044502		7041416		TCS
			A-3	1112832			7041416			

\*\* MP - Magnetic Pulse  
 AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.  
 # Camaro's only.

C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Barrels	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Corvette Cpe and Convertible	454	4 Barrels	A-3	GM105	4000	600 RPM in Drive	10° BTDC @ 600 in Drive	Set by Lean Drop Method 630 to 600 RPM
			M-4		800 RPM in Neutral	10° BTDC @ 800 in Neutral	850 to 800 RPM	
Malibu Sport Cpe, Sedan, Classic Sport Cpe, Classic Sdn, El Camino Sprint, El Camino Classic, Sprint Custom, Monte Carlo, C-10 Step-side, Fenderside, Fleetside, Wide-side, Chassis Cab	454	4 Barrels	A-3	GM105	4500	600 RPM in Drive	10° BTDC @ 600 in Drive	630 to 600 RPM
C-10 Suburban, Fleetside, Wide-side, Caprice Classic Cpe, Sport Sdn, Sedan-Convertible.					5000			

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D. No. of Venturi	Carburetor No. of Barrels	Transmission	Delco Remy Distributor Make & No.	Type Adv.*	Rochester Carburetor Make & No.	Emission Control System **				
							Exhaust	NOx	Evap.	Other	
Corvette Cpe and convertible Cavalibu Sport Cpe. Cdn, Classic Sport Cpe, Classic Sdn, C1 Camino, Sprint, C1 Camino Classic, Print Custom, Monte Carlo, C-10 Stepside, Cenderside, Fleet- side, Wideside, Cassiss Cab, C-10 Suburban, Caprice Classic-Cpe-Sport Cdn-Sdn Convertible	454	4 Barrels	A-3	1112113 1112527 HFI**	C-V	7044500	AIR	EGR 7041425	CAN		
			M-4	1112114		7044505		EGR 7041426			TCS ↓
			A-3	1112113 1112527 HEI		7044500		EGR 7041425			

\*\*HEI - High Energy Ignition  
 AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.

EGR - Exhaust Recirculation  
 V - Vacuum  
 VR - Vacuum retard

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

**GENERAL MOTORS CORPORATION - Chevrolet Division  
EXECUTIVE ORDER A-6-12**

**MANUFACTURER:**

Vehicle Model	Tune-up Specifications							
	Engine C.I.D. No. of Venturi	Carburetor No. of Barrel	Trans-mission	Engine Family	Inertia Weight	Idle RPM	Basic Timing	Idle CO or AFR
Impala Sport Coupe Sport Sedan, Sedan, Custom Coupe Bel Air Sedan Laguna Sport Coupe Malibu Wagon Classic Wagon Classic Estate Wagon	454	4 Barrel	A-3	GM105	5000	600 rpm in drive	10° BTDC @ 600 in Drive	Set by lean drop method 630 to 600 rpm
						800 RPM in neutral	10° BTDC @ 800 in neutral	Set by Lean Drop Method 850 to 800 RPM
Caprice Estate 2 & 3 Seat Wagon Impala 2 and 3 Seat Wagons Bel Air 2 and 3 Seat Wagons	454	4 Barrel	M-4	GM105	4500	600 rpm in drive	10° BTDC @ 600 in drive	Set by lean drop method 630 to 600 rpm
						800 RPM in neutral	10° BTDC @ 800 in neutral	Set by Lean Drop Method 850 to 800 RPM
Laguna Sport Coupe Malibu Sport Coupe Classic Sport Coupe, El Camino, Sprint El Camino Classic Sprint Custom C-20 Suburban	454	4 Barrel	A-3	GM105	5500	600 rpm in drive	10° BTDC @ 600 in drive	Set by lean drop method 630 to 600 rpm

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**SUPPLEMENTAL INFORMATION**  
 1974 Model-Year  
 Light Duty Vehicles

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Chevrolet Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Evap. Other	
Impala Sport Coupe Sport Sedan, Sedan, Custom Coupe Del Air Sedan Magnum Sport Coupe, Malibu Wagon Classic Wagon Classic Estate Wagon	454	4 Barrel	A-3	Delco-Remy 1112113 1112527HEI	C-V	Rochester 7044500	AIR	EGR 7041425	CAN	
								EGR 7041426		TCS
								EGR 7041427		
Price Estate & 3 Seat Wagon Impala 2 and 3 Seat Wagon 1 Air 2 and 3 Seat Wagon	454	4 Barrel	M-4	Delco-Remy 1112113	C-V	Rochester 7044201		EGR 7041426		TCS
Magnum Sport Coupe Camino, Sprint Camino Classic Sprint Custom 20 Suburban	454	4 Barrel	A-3	Delco-Remy 1112504	C-V	Rochester 7044520		EGR 7041427		TCS

\*\* HEI - High Energy Ignition  
 AIR - Air Injection Reaction  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister  
 TCS - Transmission Controlled Spark Advance.

C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard

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

EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Opel Division

Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans-mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
Manta	115.8	2 Bb1	M-4	GM 601	2500	850-900 in neutral	0° BTDC @ 850-900 RPM in neutral	1 to 2% CO
Manta Luxus								
Manta Rallye								
Opel 1900			A-3			800 - 850 in neutral	0° BTDC @ 800-850 RPM in neutral	



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EXECUTIVE ORDER A-6-12

MANUFACTURER: GENERAL MOTORS CORPORATION - Opel Division

Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System **			
							Exhaust	NOx	Evap.	Other
Opel 1900	115.8	2 Bb1	M-4 ↓ A-3	Bosch 3467843	C-V	Solex 3441834, 3441835, 3441836, 3441837	EM(CCS)	EGR 9281223 Man. Vac 9281224 Ported Vac.	Can.	
Opel 1900	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

\*\* EM (CCS) - Engine Modification (Controlled Combustion System)  
 EGR - Exhaust Gas Recirculation  
 CAN - GMECS Charcoal Canister

C - Centrifugal  
 V - Vacuum  
 VR - Vacuum retard