#### State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-6-87-1 Relating to Certification of New Motor Vehicles

#### GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RE**SOL**VED: That General Motors Corporation exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 710Y2V

Engine: 305 CID

Transmission: 3-Speed Automatic

Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recircu-

lation, Early Fuel Evaporation, Oxidation

Catalyst

#### Models: Chevrolet

-Monza Towne Coupe

Monza 2 + 2

Impala 4 Door Sedan

Caprice Classic 4 Door Sedan

Impala 2 Door Coupe

Caprice Classic 2 Door Coupe

Nova 2 Door Coupe

Nova 2 Door Hatchback Coupe

Nova 4 Door Sedan

Nova Concours 2 Door Coupe

Nova Concours 2 Door Hatchback Coupe

Nova Concours 4 Door Sedan

#### Camaro

Camaro "Type LT"

#### **Oldsmobile**

Starfire

- Starfire SX

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

Engine Family	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
	Grams per Mile	Grams per Mile	Grams per Mile
710Y2V	0.31	3.5	1.1

BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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.

Executive Order A-6-87, dated August 12, 1976 is hereby rescinded.

Executed at El Monte, California, this \_\_\_\_\_ day of November, 1976.

G. C. Hass, Chief

Vehicle Emissions Control Division

# 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT Passenger Cars Light-Duty Trucks

	Manufacturer <u>G</u>	ENERAL MOTORS	CORPORATION	Executive Order No.	A-6-87-1	Page 1	
<b>-</b>	Engine Family	710Y2V		Engine (CID) 305	Tran	sm. <u>A-3</u>	
	Emission Contro	1 SystemAI	,EGR,EFE,OC	+10% (A/C)	Yës 🗱	No 🔷	
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Divisions		Basic Body	Body Type	Trans- mission Code	Inertia Weight	Type HEI	Fuel System Type 1-2V RPD/Bay Mfgr. City Part Number		Engine Code	Tune-Up Label Ident. &	Page No.
1	  -  -	H H H	07 27	20 26 20	3500	Delco-Remy 1103244	17057425 17057404	7044303	1, 1A 2, 2A	LD WU	2 3
1_	3   I 3   I	H H H H	27 07 27 07 27	26 20 26 20 26			17057422 17057405 17057425 17057404 17057422	7044305	7, 7A 8, 8A		
1 1 1 ,	1	B B X	47 69	9A, 23A, 25 or 27 9A, 23A, or 25	4000		17057410 17057426 17057410		3, 3A	AW WT	2 3
	E	F B B	87 47 69	9A 9A, 23 A, 25 or 27			17057414 17057408 17057428		4, 4A		
1	_   >	X X F	17 27 87	9A, 23A or 25 9A			17057408				

Comments

See page 2 for model codes and names.

Date of Issue 081876. Distrib. PN correct, 3H 07 added by RC 71-93, Code 25 trans. added by RC 71-119, format revised, priginal page 2 deleted 111576. Trans. codes 26 and 27 added by RC 71-151 & 152 on 112376. Carburetor part numbers revised for Trans. codes 26 and 27 per RC 71-151 & 152 (Corrected) on 010377. Suffix A engine codes, labels WT, WU, page 3 added per RC 71-173 on 012877.

Abbreviations
Distributor
C-Centrifugal Advance
V-Vacuum Advance
HEI-High Energy Ignition
EI-Electronic Ignition
Fuel System
EFI, Electronic Fuel Injection

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance
Control

FI-Fuel Injection
OC-Oxidation
Catalyst
\*Service
I-Inspect, repair/
replace as needed
R-Replace

#### 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Passenger Cars Light-Duty Trucks

Manufacturer General Motors Corporation Executive Order No. A-6-87-1 Page

Engine Family 710Y2V

Model Code Breakdown: 1 B N 47 Body Type Basic Body-

1.	CHEVROLET	1 X X 17	Nova 2 Door Hatchback Coupe
B N 47	Caprice Classic 2 Door Coupe	Y 17	Nova Concours 2 Door Hatchback Coupe
L 47	Impala 2 Door Coupe	X 27	Nova 2 Door Coupe
L 69	Impala 4 Door Sedan	X 69	Nova 4 Door Sedan
N 69	Caprice Classic 4 Door Sedan	Y 69	Nova Concours 4 Door Sedan
F Q 87	Camaro		0004
S 87	Camaro "Type LT" ·	3	OLDSMOBILE
H R 07	Monza 2 + 2	H T 07	Starfire
M 27	Monza Towne Coupe	0.07	Starfire SX

#### VEHICLE EMISSION CONTROL LABEL

AW	
305 CU. IN,	l
2 BBL, CARB,	
710Y2Y	

#### VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

AUTOMATIC TIMING (" BTC @ RPM) 6° @ 500 SPARK PLUG GAP (IN.) CURB IDLE SPEED (RPM) 500 (DR)

SOLENOID ASM. ADJUSTMENT

WITH AIR COND, (RPM)

OPEN, AIR CLEANER, INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE MOTED SET PARKING BRAKE AND BLOCK DRIVE WHEFIS

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR, SET IGNITION TIMING AT SPECIFIED RPM, UNPLUG AND RECONNECT VACUUM HIDSE AT DISTRIBUTOR.

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL

- 2. ADJUST CARBURETOR SPEED SCREW TO DETAIN SPECIFIED CURB IDLE SPEED
- 3. WITH AIR COND.: DISCONNECT ELECTRICAL READ FROM AIR COND. COMPRESSOR, WITH AIR COND. SWITCH ON AND SOLENOID PULLY EXCENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD

[NOTE] DUE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADAISTMENT DURING TUBE UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAM APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.

PROPERTY IN U.S.A.

THIS VEHICLE COMPORMS TO U.S. E.P.A., AND WHERE APPLICABLE CALFORMIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.

MCM25WA2NAST

LD 305 CU. IN. 2 88L. CARB.

### VEHICLE EMISSION CONTROL INFORMATION

GEMERAL MOTORS CORPORATION



MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR COMORTIONING OFF, EXCEPT WHERE NOTED.

#### SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

- 1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR, SET IGNITION TIMING AT SPECIFIED RPM. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
- 2. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE RPM.
- 3. WITH AIR COND.; DISCONNECT ELECTRICAL LEAD FROM AIR COND. COMPRESSOR, WITH AIR COND. SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM, RECONNECT COMPRESSOR LEAD.

CATALYST	TRANSMISSION		
AIR-EGR-EFE LOW ALTITUDE CERT#ICATION	AUTOMATIC		
TIMING (* BTC @ RPM)	6° @ 500		
SPARK PLUG GAP (IN.)	0.045		
CURS IDLE SPEED (RPM)	500 (DR)		
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	700 (DR)		

HOTE DE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTURY — DO MOT BREAK CAPS — AGRISTMENT DURING TUNE UP IS HOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MAMUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALFORNIA OR OTHER STATE LAWS.

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PRINTED HIM S.A. THIS VEHICLE CONFORMS TO U.S. E.P.A., AND WHERE APPLICABLE CALFORMA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES.

PT NO 450767

Was page 3 and last page, Olds models added by RC 71-93, Concours model names corrected 111576.

Discard page 3 and last page issued with 081876 sheets.

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ingine Fami	ly 710Y2 <b>V</b>	Executive Order No.	A-6-87-1 Pag			
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WU	·					
205 CU. St. 2 St. CAS.	VEHICLE EMISSION CONTROL INFORMATION FENERAL MOTORS CONFORMATION FENERAL MOTORS CONFORMATION	CILAIRU	TRANSANSSION			
710/7V	ENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOICE	LOW ALTITUDE CERTIFICATION	8° × @ 500			
	INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.	SPARE PLUG GAP (M.)	0.045			
SET PARIONG BE	AKE AND BLOCK DRIVE WHERLS.	CURS IDLE SPEED (RPM)	500 (DR) -			
	PLUG VACUUM HOSE AT DISTRIBUTOR, SET IGHTION TIMING AT SPECI D RECONNECT VACUUM HOSE AT DISTRIBUTOR.	FIED SOLENOID ASM, ACJUSTMENT WITH AIR COND (RPM)	700 (CR)			
2. ADJUST CARDURED SPEED SCREW TO OBTAIN SPECIFED CURS DUE RPM.  2. WHITH ARE CORD.: DISCONNECT RECTRICAL SEAD FROM ARE CORD. COMPRESSOR. WITH ARE CORD.: DISCONNECT RECTRICAL SEAD FROM ARE CORD. COMPRESSOR. WITH ARE CORD. SWITCH ON AND SCIENCED FULLY SETTINGED, ADJUST SOLINGED SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD.		U ANT SHIPLE THE WASHINGTON OF THE U	ENGINE SCHIPS AND PRESET AND CAPPED AT FACTORY — DO NOT BEEN.			
		THE MARKET ASSESSMENT WITHOUT STATES THAT ASSESSMENT				
		16 EM	S MANUAL FOR ACOSTORAL RECORMATION.			
	IN VENCES CONTOUNT TO M.S. E.P.A., AND SHOPE APPLICABLE (ALLICOMM., MICE.)	ARBIG APPLICABLE TO 1977 MISSIC PLAR; HEW MOTOR VEH	ав.  — рт. но. <del>челег</del> 469592			
WT VEHICLE EMISSION CONTROL INFORMATION		CATALVST	TRANSANSSICH			
305 CJ. M. 2 SSL. CARB. 710YZV	GENERAL MOTORS CORPORATION	AR-EGRETE LOW ALTITUDE CERTIFICATION	AUTOMATIC			
MAKE ALL ADJUSTMENTS WITH ENGINE AT HORMAL OPERATING TEMPERATURE, CHOICE PULL OPEN, ART CLEMER INSTALLED, AND ART CONDITIONING GIF, EXCEPT WHERE HOTED. SET PARKING BRAKE AND BLOCK DRIVE WHERES.		TIMING (* BTC @ RPM)	8° x* @ 500			
		SPARK PLUG GAP (H.)	0.045			
		CURE IDLE SPEED (RPM)	500 (DW)			
1. DISCOMMENT AND PI	rug vacuum hose at sistributor, set ignitigh teming at specifi	SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	650 (DR)			
2. ADJUST CARBURETO	recomment vacuum mose at distributor. R Speed Screw to Obtradi Specimed Curb due speed Recomment rectificat wead from Air Comp. Compressor. With A	NSTT OU MATUR SCRWS ME PREST MO SEE — MONTANNO DURNS THE W				

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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THE SERVICE MAINLAN FOR ADDITIONAL INFORMATION

THE VEHICLE CONFORME TO U.S. E.P.A., AND WHERE APPLICABLE CALEDONAL INDUCATIONS APPLICABLE TO 1977 MODE YEAR MEW MOTOR VEHICLES.

PT. NO. 446123

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### EMISSION CONTROL INFORMATION AFTER RC 71-173

#### Label Locations:

MPML RECONNECT COMPRESSOR LEAD.

"F" and "X" Bodies - on sheet metal over radiator support. Just left of center.

"B" Body - on left inner fender in engine compartment.

COMO. SWITCH ON AND SOLENOO FLLLY EXTENDED, ADJUST SOLENOO SCREW TO SPECIFIED

"Monza" Body - on radiator support, left side of vehicle.

Page 3 added per RC 71-173, on 012877.