State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-642
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That General Motors Corporation 1994 model-year exhaust emission control systems are certified as described below for light-duty trucks and medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: R3G4.389GAEA Displacement: 4.3 Liters (262 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Three Way Catalytic Converter
Heated Oxygen Sensor
Exhaust Gas Recirculation
Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
3751-5750	50,000	0.32	4.4	1.0
	100,000	0.40	5.5	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Loaded Vehicle Weight(lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
3751-5750	50,000	0.18	2.7	0.6
	100,000	0.24	4.1	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed light-duty trucks to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That on January 14, 1993, the Air Resources Board adopted the repeal of the currently effective requirement that each manufacturer certify a minimum of 80 percent of its projected sales of 1994 model-year California-certified passenger cars and light-duty trucks to the phase-in standards for NMHC, or the more stringent standards in section 1960.1(g)(2) of Title 13, California Code of Regulations. If such requirement is not repealed, the manufacturer shall submit a plan for compliance with the requirement; passenger cars and light-duty trucks not meeting such phase-in or more stringent standards shall be certified only to the extent allowed under the requirement.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 10th day of March, 1993.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY..... R3G4.389GAEA

EVAPORATIVE FAMILY..... R3G1085AYMOB

CARLINES TO BE COVERED:

CARLINE NAME	CARLINE CODE
ASTRO 2WD (CARGO)	55045
ASTRO AWD (CARGO)	55047
ASTRO 2WD (PASSENGER)	55060
ASTRO AWD (PASSENGER)	55062
SAFARI 2WD (CARGO)	80035
SAFARI AWD (CARGO)	80037
SAFARI 2WD (PASSENGER)	80050
SAFARI AWD (PASSENGER)	80052

(FOR CARB USE ONLY)

E.O. #A-6-642

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Example, Pattern A: CC10703+E62
Example, Pattern B: 1UM05

Digit 1 = Marketing Division

Pattern A	Pattern B
C = Chevrolet	1 = Chevrolet
T = GMC	2 = Pontiac
H = Oldsmobile	3 = Oldsmobile

Note: Digit 1 is not used for Pattern A models on engine family pages or California Supplemental Data Sheets.

Digit 2 = Chassis Type (all)

U = Conventional 4x2 Front Wheel Drive
C, R, S, M = Conventional 4x2 Rear Wheel Drive
G = Forward Control 4x2 Rear Wheel Drive
K, V, T, L = Conventional 4x4 Four Wheel Drive, All Wheel Drive

Digit 3 = Series/GVWR

Pattern A	Pattern B
1 = 10,15,1500/3500-7300	Letter code designates trim level rather than series/GVWR.
2 = 20,25,2500/6400-8600	
3 = 30,35,3500/7100-14500	

Digits 4 & 5

Pattern A = Dimensional Grouping	Pattern B
05 = Blazer, Jimmy, Bravada	05 = Cargo (APV)
06 = S/T Short Box	06 = Passenger (Lumina APV, Trans Sport, Silhouette)
07 = C/K Short Box	
08 = S/T Long Box & Cab-Chassis	
09 = C/K Long Box, R/V Suburban, M/L Short Body	
10 = G Short Wheelbase, M/L Long Body	
13 = G Long Wheelbase	

Digits 6 & 7 = Body/Cab Codes (Pattern A Only)

03 = Conventional Cab, Cab-Chassis
05 = Cargo Van
06 = Passenger Van, 4 Door Special Purpose Vehicle
16 = 2 Door Special Purpose Vehicle
53 = Extended Cab

Pickup Body Codes (Optional, Used with Pattern A Only)

+E62 = Stepside, Fenderside
+E63 = Fleetside, Wideside
+ZW9 = Cab-Chassis

ISSUED: 01-26-93 REVISED:
(ML-RP110)

17-R3G4.389GAEA-1
(1994)

(1994)

GMC LIGHT DUTY TRUCK MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
TK10703+E62	K1500 SPORTSIDE SIERRA (SHORT BOX)	K1500 SIERRA 4WD	80020
TK10703+E63	K1500 WIDESIDE SIERRA (SHORT BOX)		80020
TK10753+E62	K1500 SPORTSIDE SIERRA (CLUB COUPE - SHORT BOX)		80020
TK10753+E63	K1500 WIDESIDE SIERRA (CLUB COUPE - SHORT BOX)		80020
TK10903+E63	K1500 WIDESIDE SIERRA (LONG BOX)		80020
TK10953+E63	K1500 WIDESIDE SIERRA (CLUB COUPE - LONG BOX)		80020
TK20753+E63	K2500 WIDESIDE SIERRA (CLUB COUPE - SHORT BOX)	K2500 SIERRA 4WD	80025
TK20903+E63	K2500 WIDESIDE SIERRA (LONG BOX)		80025
TK20953+E63	K2500 WIDESIDE SIERRA (CLUB COUPE - LONG BOX)		80025
TK10516	K1500 YUKON	K1500 YUKON 4WD	80065
TK10906	K1500 SUBURBAN	K1500 SUBURBAN 4WD	80070
TL10905	SAFARI AWD	SAFARI AWD (CARGO)	80037
TL11005	SAFARI XT AWD (EXTENDED)		80037
TL10906	SAFARI AWD	SAFARI AWD (PASSENGER)	80052
TL11006	SAFARI AWD (EXTENDED)		80052
TM10905	SAFARI	SAFARI 2WD (CARGO)	80035
TM11005	SAFARI XT (EXTENDED)		80035
TM10906	SAFARI	SAFARI 2WD (PASSENGER)	80050
TM11006	SAFARI XT (EXTENDED)		80050
TS10603+E63	SONOMA PICKUP (REGULAR CAB - SHORT BOX)	SONOMA PICKUP 2WD	80072
TS10653+E63	SONOMA PICKUP (CLUB COUPE)		80072
TS10803+E63	SONOMA PICKUP (REGULAR CAB - LONG BOX)		80072
TS10506	JIMMY (4 DR)	JIMMY 2WD	80076
TS10516	JIMMY (2 DR)		80076

ISSUED: 01-15-93
(ML-RP096)

(1994)

CHEVROLET LIGHT DUTY TRUCK MODEL IDENTIFICATION

MODEL	NAME	CAR LINE	CODE
CK10703+E62	K1500 SPORTSIDE PICKUP - SHORT BOX	K1500 PICKUP 4WD	55030
CK10703+E63	K1500 FLEETSIDE PICKUP - SHORT BOX		55030
CK10753+E62	K1500 SPORTSIDE PICKUP - EXTENDED CAB SHORT BOX		55030
CK10753+E63	K1500 FLEETSIDE PICKUP - EXTENDED CAB SHORT BOX		55030
CK10903+E63	K1500 FLEETSIDE PICKUP - LONG BOX		55030
CK10953+E63	K1500 FLEETSIDE PICKUP - EXTENDED CAB LONG BOX		55030
CK20753+E63	K2500 FLEETSIDE PICKUP - EXTENDED CAB SHORT BOX	K2500 PICKUP 4WD	55035
CK20903+E63	K2500 FLEETSIDE PICKUP - LONG BOX		55035
CK20953+E63	K2500 FLEETSIDE PICKUP - EXTENDED CAB LONG BOX		55035
CK10516	K1500 BLAZER	K1500 BLAZER 4WD	55075
CK10906	K1500 SUBURBAN	K1500 SUBURBAN 4WD	55080
CL10905	ASTRO AWD - CARGO VAN	ASTRO AWD (CARGO)	55047
CL11005	ASTRO AWD - EXTENDED CARGO VAN		55047
CL10906	ASTRO AWD - PASSENGER VAN	ASTRO AWD (PASSENGER)	55062
CL11006	ASTRO AWD - EXTENDED PASSENGER VAN		55062
CM10905	ASTRO - CARGO VAN	ASTRO 2WD (CARGO)	55045
CM11005	ASTRO - EXTENDED CARGO VAN		55045
CM10906	ASTRO - PASSENGER VAN	ASTRO 2WD (PASSENGER)	55060
CM11006	ASTRO - EXTENDED PASSENGER VAN		55060
CS10603+E63	S10 PICKUP - SHORT BOX	S10 PICKUP 2WD	55082
CS10653+E63	S10 PICKUP - EXTENDED CAB		55082
CS10803+E63	S10 PICKUP - LONG BOX		55082
CS10507	POSTAL VEHICLE - BARE CHASSIS	POSTAL CAB CHASSIS 2WD	55084
CS10506	S10 BLAZER - 4 DOOR	S10 BLAZER 2WD	55090
CS10516	S10 BLAZER - 2 DOOR		55090
CT10603+E63	S10 PICKUP - SHORT BOX	S10 PICKUP 4WD	55037
CT10653+E63	S10 PICKUP - EXTENDED CAB		55037
CT10803+E63	S10 PICKUP - LONG BOX		55037
CT10506	S10 BLAZER - 4 DOOR	S10 BALZER 4WD	55070
CT10516	S10 BLAZER - 2 DOOR		55070

ISSUED: 01-15-93
(ML-RP093)

(FOR CARB USE ONLY)

E.O. #A-6-642

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R3G4.389GAEA

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ (T2) MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 4.3 (262) EVAP FAMILY: R3G1085AYM0B

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD___ RWD___ 4WD-FT_X_ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, HO2S (OBD)(CMFI)

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
53	L10905 L11005 L10906	A4	4250 4500 5000	16184305/BCYP	17093134	25144275, 15682632
53A,53B				16195905/BHRF		
54	L10905 L11005 L10906		4500 5000	16184305/BCYP		
54A,54B				16195905/BHRF		

ISSUED: 01-26-93 (ML-RP110) REVISED: ML-RR036, RR063, RR073

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E.O. #A-6-642

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R3G4.389GAEA

PASSENGER CARS___ LIGHT DUTY TRUCKS_X_ (T2) MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 4.3 (262) EVAP FAMILY: R3G1085AYM0B

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD___ RWD_X_ 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, HO2S (OBD)(CMFI)

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
51	M10905 M11005 M10906 M11006	A4	4000 4250 4500 4750	16184285/BCYM	17093134	25144275, 15979053
51A,51B				16195885/BHRC		
52	M10905 M11005 M10906 M11006		4250 4750	16184285/BCYM		
52A,52B				16195885/BHRC		

ISSUED: 01-26-93 (ML-RP110) REVISED: ML-RR002, RR036, RR063, RR073

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E.O. #A-6-642

1994 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: R3G4.389GAEA

PASSENGER CARS___ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES_X_ (M2)

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 4.3 (262) EVAP FAMILY: R3G1085AYM0B

ENGINE: FRONT_X_ MID___ REAR___ DRIVE: FWD___ RWD___ 4WD-FT_X_ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, HO2S (OBD)(CMFI)

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
53	L11005 L11006	A4	4500 5000	16184305/BCYP	17093134	25144275, 15682632
53A,53B				16195905/BHRF		
54	L11005 L11006		4500 5250	16184305/BCYP		
54A,54B				16195905/BHRF		

NOTE: Medium duty vehicles will be certified to light duty standards per CARB's approval (ref. letter C-90-011).

ISSUED: 01-26-93 (ML-RP110) REVISED: ML-RR002, RR036, RR063, RR073