

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-594
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 1993 model General Motors Corporation exhaust emission control systems are certified as described below for light-duty trucks and medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: P3G4.3T5TAA6 Displacement: 4.3 Liters (262 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Secondary Air Injection (except engine codes 57 and 58)
- Exhaust Gas Recirculation
- Heated Oxygen Sensor
- Three Way Catalytic Converter
- Throttle Body Fuel Injection

Vehicle models, emissions, 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:

<u>Loaded Vehicle Weight (pounds)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
3751-5750	50,000	0.50	9.0	1.0

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

<u>Loaded Vehicle Weight (pounds)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
3751-5750	50,000	0.44	7.4	0.8

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed light-duty trucks to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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 vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) 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 regulations (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 6th day of August, 1992.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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

C = Chevrolet
T = GMC
H = Oldsmobile

Pattern B

1 = Chevrolet
2 = Pontiac
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

1 = 10,15,1500/3500-7300
2 = 20,25,2500/6400-8600
3 = 30,35,3500/7100-14500

Pattern B

Letter code designates trim level rather than series/GVWR.

Digits 4 & 5

Pattern A = Dimensional Grouping

05 = Blazer, Jimmy, Bravada
06 = S/T Short Box
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

Pattern B

05 = Cargo (APV)
06 = Passenger (Lumina APV, Trans Sport, Silhouette)

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: 07-14-92
(ML-PP418)

REVISED:

(FOR CARB USE ONLY)

E.O. #A-6-594

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P3G4.3T5TAA6
PASSENGER CARS___ LIGHT DUTY TRUCKS X MEDIUM DUTY VEHICLES___
FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA
ENGINE CONFIG: V6 LITER (CID): 4.3 (262) EVAP FAMILY: PFO-3A
ENGINE: FRONT X MID___ REAR___ DRIVE: FWD___ RWD X 4WD-FT___ 4WD-PT___
EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, 02S (OBD)(TBI)
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.
57	G11005 G11305	A4	4250 4750	16179471	17087192	25131614
58	G11005 G11305		4250 4750			

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17-P3G4.3T5TAA6-2
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS_X

MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PF0-3A

ENGINE: FRONT_X

MID___

REAR___

DRIVE: FWD___

RWD___

4WD-FT___

4WD-PT_X

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, 02S (OBD)(TBI)

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	TK10703+E62 K10703+E63 CK10703+E62 K10903+E63	A4	4500 4750	16179391	17087192	25131614
54	TK10703+E62 CK10703+E62 CK10703+E63 TK10703+E63 K10903+E63		4500 4750 4500 4750			
55	TK10703+E62 K10703+E63 CK10703+E62 K10903+E63		4500 4750	16179401		
56	TK10703+E62 CK10703+E62 CK10703+E63 TK10703+E63 K10903+E63		4500 4750 4500 4750			

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17-P3G4.3T5TAA6-3
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS

LIGHT DUTY TRUCKS X

MEDIUM DUTY VEHICLES

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PFO-3A

ENGINE: FRONT X MID REAR

DRIVE: FWD RWD 4WD-FT 4WD-PT X

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, O2S (OBD)(TBI)

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.
65	TK10703+E62 CK10703+E62 K10703+E63 K10903+E63	M5C	4500 4750	16169341	17087026	25131614
66	K10703+E62 K10703+E63 TK10903+E63 CK10903+E63		4750 5000			
71	CK10703+E62 TK10703+E62 K10703+E63 K10903+E63	M5	4750 4500 4750			
72	TK10703+E62 TK10703+E63 CK10703+E62 CK10703+E63 K10903+E63		4500 4750			

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17-P3G4.3T5TAA6-4
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS_X

MEDIUM DUTY VEHICLES___

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PF0-3A

ENGINE: FRONT_X MID___ REAR___

DRIVE: FWD___ RWD_X 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, 02S (OBD)(TBI)

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE:		EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
		A-AUTO	M-MAN				
63	C10903+E63		M5C	4500	16169341	17087025	25131614
64	C10903+E63						
69	C10703+E62 C10703+E63 C10903+E63		M5	4250			
70	C10703+E62 C10703+E63 CC10903+E63 TC10903+E63			4500 4250			

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17-P3G4.3T5TAA6-5
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS___

MEDIUM DUTY VEHICLES X

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PFO-3A

ENGINE: FRONT X MID___ REAR___

DRIVE: FWD___ RWD X 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, TWC, O2S (OBD)(TBI)

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.
57	G21005	A4	4250	16179471	17087192	25131614
	G21305		4750			
	G31305					
	G21306		5000			
58	G21005		4500			
	G21305		4750			
	G31305					
	G21306		5000			

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17-P3G4.3T5TAA6-6
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P3G4.3T5TAA6
 PASSENGER CARS___ LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES_X
 FUEL TYPE: GAS STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA
 ENGINE CONFIG: V6 LITER (CID): 4.3 (262) EVAP FAMILY: PFO-3A
 ENGINE: FRONT_X MID___ REAR___ DRIVE: FWD___ RWD_X 4WD-FT___ 4WD-PT___
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, 02S (OBD)(TBI)
 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	C10903+E63 C10753+E62 C10753+E63 TC10953+E63 CC10953+E63	A4	4250 4500 4750	16179391	17087026	25131614
52	C10753+E62 TC10753+E63 C10903+E63 CC10753+E63 C10953+E63		4500 4750			
53	CC20753+E63 C20903+E63 TC20753+E63 C20953+E63		4500 4750		17087192	
54	C20753+E63 C20903+E63 C20953+E63		4500 4750			
55	CC20753+E63 C20903+E63 TC20753+E63 C20953+E63		4500 4750	16179401		

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17-P3G4.3T5TAA6-7
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS___

MEDIUM DUTY VEHICLES_X

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PF0-3A

ENGINE: FRONT_X MID___ REAR___

DRIVE: FWD___ RWD_X 4WD-FT___ 4WD-PT___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, O2S (OBD)(TBI)

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.
56	C20903+E63 C20753+E63 C20953+E63	A4	4500 4750	16179401	17087192	25131614
63	TC10753+E62 TC10753+E63 C10903+E63 CC10753+E62 CC10753+E63 C10953+E63	M5C	4500 4750	16169341	17087025	
64	C10903+E63 C10753+E62 C10753+E63 TC10953+E63 CC10953+E63		4500 4750 5000			
69	C10903+E63 C10753+E62 C10753+E63 TC10953+E63 CC10953+E63	M5	4250 4500 4750			
70	C10753+E62 TC10753+E63 CC10903+E63 TC10903+E63 CC10753+E63 C10953+E63		4500 4250 4750			

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17-P3G4.3T5TAA6-8
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS___

MEDIUM DUTY VEHICLES_X

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PFO-3A

ENGINE: FRONT_X MID___ REAR___

DRIVE: FWD___ RWD___ 4WD-FT___ 4WD-PT_X

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, 02S (OBD)(TBI)

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	TK10703+E62 K10703+E63 CK10703+E62 K10903+E63	A4	4500 4750	16179391	17087192	25131614
54	TK10703+E62 CK10703+E62 TK10703+E63 CK10703+E63 K10903+E63		4500 4750 4500 4750			
55	TK10703+E62 K10703+E63 CK10703+E62 K10903+E63		4500 4750	16179401		
56	TK10703+E62 CK10703+E62 CK10703+E63 TK10703+E63 K10903+E63		4500 4750 4500 4750			

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17-P3G4.3T5TAA6-9
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P3G4.3T5TAA6

PASSENGER CARS___

LIGHT DUTY TRUCKS___

MEDIUM DUTY VEHICLES X

FUEL TYPE: GAS

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 4.3 (262)

EVAP FAMILY: PFO-3A

ENGINE: FRONT X MID___ REAR___

DRIVE: FWD___ RWD___ 4WD-FT___ 4WD-PT X

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR, EGR, TWC, O2S (OBD)(TBI)

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.
65	TK10703+E62 CK10703+E62 K10703+E63 K10903+E63	M5C	4500 4750	16169341	17087026	25131614
66	K10703+E62 K10703+E63 TK10903+E63 CK10903+E63		4750 5000			
71	CK10703+E62 TK10703+E62 K10703+E63 K10903+E63	M5	4750 4500 4750			
72	TK10703+E62 TK10703+E63 CK10703+E62 CK10703+E63 K10903+E63		4500 4750			

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17-P3G4.3T5TAA6-10
(1993)