

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-416-1  
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 1988 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered medium-duty vehicles:

<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
JG07.4T5HAC7	7.4 (454)	Air Injection Pump Exhaust Gas Recirculation Three-Way Catalyst Oxidation Catalyst Oxygen Sensor (Central Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

<u>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
3751-5750 5751 & Larger	0.50	9.0	1.0
	0.60	9.0	1.5

The following are the certification emission values for this engine family:

<u>Loaded Vehicle Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
3751-5750 5751 & Larger	0.15	2.6	0.9
	0.15	3.6	1.2

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "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 Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also have been granted an exemption from compliance with the requirements of the Board's high altitude requirements and highway emission standards 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

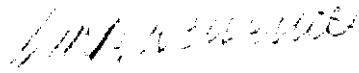
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) for the aforementioned model year.

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 Administrative Code, 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 10<sup>th</sup> day of May, 1987.



K. D. Drachand, Chief  
Mobile Source Division

17-JGC7.4T5HAC7-1A

(For CARB Use Only)

(1988)

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

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Evaporative Family: JFO-3H

Engine Displacement Liters (Cubic Inches) - Type: 7.4 (454) V-8

ABBREVIATIONS:

Ignition System

CA-Centrifugal Advance  
EIC-Electronic Injection Control  
EI-Electronic Ignition  
ESAC-Electronic Spark Advance Control  
VA-Vacuum Advance  
VR-Vacuum Retard

Fuel System

I, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor

GM Abbreviations

A/C-Air Conditioning  
FC-Forward Control  
HD-Heavy Duty  
CI-Cubic Inch (Displacement)  
TBI-Throttle Body Injection  
RWD-Rear Wheel Drive  
4x2-Two Wheel Drive  
4x4-Four Wheel Drive  
6x4-Four Wheel Drive

Exhaust Emission Cont System

AIP-Air Injection Pump  
AIV-Air Injection Valve  
EGR-Exhaust Gas Recirculation  
EM-Engine Modification  
DBC-Dual Bed Catalyst  
HOS-Heated Oxygen Sensor  
OC-Oxidation Catalyst  
OS-Oxygen Sensor  
SPL-Smoke Puff Limiter or Throttle Delay  
TOC-Trap Oxidizer, Continual  
TOP-Trap Oxidizer, Periodical  
TR-Thermal Reactor  
TWC-Three-Way Catalyst  
WUOC-Warmup Oxidation Catalyst  
WUTWC-Warmup Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve  
CFI-Central Fuel Injection  
DID-Diesel Injection-Direct  
DIP-Diesel Injection-Prechamber  
EFI-Electronic Fuel Injection  
IC-Intercooler/Aftercooler  
MFI-Mechanical Fuel Injection  
OBD-On Board Diagnostics  
TC-Turbocharger

Engine: Front (all Vehicles)

Drive: See Chassis Type (Page 2), all 4x2 vehicles are RWD.

ISSUED: 10-27-86

REV. NO.: 003

U219T/22T

(For CARB Use Only)  
(1988)AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
LIGHT DUTY TRUCKS AND MEDIUM DUTY VEHICLES

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Evaporative Family: JF0-3H

Engine Displacement Liters (Cubic Inches) - Type: 7.4 (454) V-8

## VEHICLE MODELS:

C C 1 0 7 0 3 + E 6 3 (EXAMPLE)

<u>Digit 1</u> <u>Selling Division</u>	<u>Digits 4 &amp; 5</u> <u>CA Dimension/Model Type</u>	<u>Digits 6 &amp; 7</u> <u>Cab or Body Style</u>
C-Chevrolet T-GMC Truck	05-Blazer/Jimmy, Step-Van/ Valve Van 06-S10/15	03-Conventional Cab (S10/15, C-K, R-V Models) -Cutaway Van/Vandura
<u>Digit 2</u> <u>Chassis Type</u>	07-42"/Pickup, Chassis-Cab 08-FC or Motor Home Chassis, Step-Van/Value Van 09-56"/Suburban, Chassis- Cab, Pickup 10-60" FC Chassis, Chevy Van/Vandura, Sportvan/ Rally, Chassis-Cab, Step-Van/Value Van 11-Motor Home Chassis 13-Chevy Van/Vandura, Sportvan/Rally, Cutaway Van/Vandura Special, Hi-Cube Van/Magnavan 14-84"/FC or Motor Home, Chassis, Chassis-Cab, Step-Van/Value Van 16-Cutaway Van/Vandura Special, Hi-Cube Van/ Magnavan 18-Motor Home Chassis	Special, Hi-Cube Van/ Magnavan (G Models) 05-Chevy Van/Vandura 06-Suburban/Sportvan/ Rally with Panel Rear Doors 16-Blazer/Jimmy 32-Motor Home Chassis 42-Forward Control Chassis, Step-Van/ Value Van 43-Bonus Cab, Crew Cab 53-Extended Cab (S10/15 Models)
<u>Digit 3</u> <u>Series/GVWR Range</u>		
1-3400 to 7300 lbs 2-6400 to 8600 lbs 3-7400 to 14500 lbs		

Digits 8, 9 & 10  
Body Ordering Code

ZW9-Base Body	E34-Hi-Cube Van (10' Steel 82" Wide)
C6P-HD Chassis; 8600 lb GVWR	E36-Hi-Cube Van/Magnavan (10' Aluminum)
C7C-HD Chassis; 10500 lb GVWR	E37-Utility Box (Aluminum)
C7E-HD Chassis; 11000 lb GVWR	E38-Hi-Cube Van/Magnavan (12' Steel)
E31-Hi-Cube Van (10' Steel 96" Wide)	E39-Hi-Cube Van/Magnavan (12' Aluminum)
E32-Step-Van/Value Van (Steel)	E62-Stepside/Fenderside Pickup
E33-Step-Van/Value Van (Aluminum)	E63-Fleetwide/Wideside Pickup

ISSUED: 10-27-86

REV. NO.: 003

0219T/22T

17-JGC7.4T5HAC7-3A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES X GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
1	CC30903+E63	A-3	6000	16069631,	17087021	17087189	25101074*
	CC30953		6500	16075301			25100464**
	CK30903+E63		6000				
	CK30953		6500				
2	CC30903+E63		6000				
	CC30953		6500				
	CK30903+E63		6000				
	CK30953		6500				

\* Front  
\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003

0219T/22T

(For CARB Use Only)

(1988)

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES X GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
1	CR20943	A-3	5500	16069631,	17087021	17087189	25101074*
	CR20906		6000	16075301			25100464**
	CR30943		6500				25127585*1
	CV30903+E63		6000				25127586**1
	CV30943		6500				
	CG31305		5250				
	CG31306		6000				
	CR20943		6000				
	CR20906		6000				
	CR30943		6500				
	CV30903+E63		6000				
	CV30943		6500				
	CG31305		5250				
	CG31306		6000				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
005

19T/22T

17-JGC7.4T5HAC7-4A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES X GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
3	CC30903+E63	A-3	6000	16069691,	17087021	17087189	25101074*
	6500		16075361				25100464**
	6000						
	6500						
4	CC30903+E63		6000				
	6500						
	6000						
	6500						

\* Front  
\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003

0219T/22T

(For CARB Use Only)

(1988)

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
3	CR20943	A-3	5500	16069691,	17087257	17087189	25101074*
	CR20906		5500	16075361			25100464**
	CR30943		6500				25127585*1
	CV30903+E63		6000				25127586**1
	CV30943		6500				
	CG31305		5250				
	CG31306		6000				
	CR20943		6000				
	CR20906		6000				
	CR30943		6500				
	CV30903+E63		6000				
	CV30943		6500				
	CG31305		5250				
	CG31306		6000				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
005

0219T/22T



17-JGC7.4T5HAC7-5A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES X GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
5	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9	A-3	8000	16069651, 16075321	17087021	17087189	25101074*
6	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9						

\* Front

\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003

0219T/22T

17-JGC7.4T5HAC7-5.1A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
5	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9	A-3	8000	16069651, 16075321	17087257	17087189	25101074* 25100464** 25127585*1 25127586**1
	CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9 CG31303+ZW9 CG31332+ZW9 CG31603+ZW9 CG31632+ZW9 CG31303+E31 CG31303+E34 CG31303+E36 CG31603+E38 CG31603+E39 CG31603+E30		6500 6000 6500 6000 6500				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 002  
003  
005

219T/22T

17-JGC7.4T5HAC7-6A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
7	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9	A-3	8000	16069671, 16075341	17087021	17087189	25101074* 25100464** 25127585*1 25127586**1
	CG31603+E30		6500				
8	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9 CG31603+E30		8000   6500				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
002  
003  
005

J219T/22T

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
6	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9	A-3	8000	16069651, 16075321	17087257	17087189	25101074* 25100464** 25127585*1 25127586**1
	CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9 CG31303+ZW9 CG31332+ZW9 CG31603+ZW9 CG31632+ZW9 CG31303+E31 CG31303+E34 CG31303+E36 CG31603+E38 CG31603+E39 CG31603+E30		6500 6000 6500 6000 6500				

- \* Front
- \*\* Rear
- \*1 Front "G" Van Only
- \*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 002  
003  
005

17-JGC7.4T5HAC7-7A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
9	CC30903+E63	M-4	6000	16072501,	17087257	17087189	25101074*
	CC30953		6500	16075291,			25100464**
	CK30903+E63		6000	16084411			
	CK30953		6500				
10	CC30903+E63		6000				
	CC30953		6500				
	CK30903+E63						
	CK30953		7000				
11	CC30903+E63		6000	16072511,			
	CC30953		6500	16075331,			
	CK30903+E63		6000	16084411			
	CK30953		6500				

\* Front

\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003  
004

19T/22T

(For CARB Use Only)

(1988)

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
7	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9	A-3	8000	16069671, 16075341	17087257	17087189	25101074* 25100464** 25127585*1 25127586**1
	CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9 CG31303+ZW9 CG31332+ZW9 CG31603+ZW9 CG31632+ZW9						
	CG31303+E31 CG31303+E34 CG31303+E36 CG31603+E38 CG31603+E39		6500 6000 6500 6000				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
005

17-JGC7.4T5HAC7-8A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
12	CC30903+E63		6000	16072511,	17087257	17087189	25101074*
	CC30953		6500	16075331,			
	CK30903+E63			16084411			
	CK30953		7000				
13	CC30903+ZW9		8000	16072531,			
	CC30953+ZW9			16075311,			
	CK30903+ZW9			16084431			
	CK30953+ZW9						

\* Front  
\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003  
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219T/22T

(For CARB Use Only)

(1988)

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
8	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9	A-3	8000	16069671, 16075341	17087257	17087189	25101074* 25100464** 25127585*1 25127586**1
	CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9 CG31303+ZW9 CG31332+ZW9 CG31603+ZW9 CG31632+ZW9 CG31303+E31 CG31303+E34 CG31303+E36 CG31603+E38 CG31603+E39		6500 6000 6500 6000				

\* Front

\*\* Rear

\*1 Front "G" Van Only

\*\*1 Rear "G" Van Only

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
005

219T/22T



17-JGC7.4T5HAC7-9A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
14	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9		8000	16072531, 16075311, 16084431	17087257	17087189	25101074* 25100464**
15	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9			16072541, 16075351, 16084431			
16	CC30903+ZW9 CC30953+ZW9 CK30903+ZW9 CK30953+ZW9						

\* Front  
\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 10-27-86

REV. NO.: 001  
003  
004

19T/22T

17-JGC7.4T5HAC7-9.1A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
9	CRZ0943	M-4	6000	16072501, 16075291, 16084411	17087257	17087189	25101074* 25100464**
10	CRZ0943						
11	CRZ0943 VR30903+E63 VR30953		6500	16072511, 16075331, 16084411			
12	CRZ0943 VR30903+E63 VR30953		6000 6500				

\* Front

\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
004

219T/22T

17-JGC7.4T5HAC7-10A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
13	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9 CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9	M-4	8000	16072531, 16075311, 16084431	17087257	17087189	25101074* 25100464**
1	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9 CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9						

\* Front

\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
004

219T/22T

17-JGC7.4T5HAC7-11A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

LIGHT DUTY TRUCKS \_\_\_\_\_ MEDIUM DUTY VEHICLES  X  GAS \_\_\_\_\_ DIESEL \_\_\_\_\_

Manufacturer: General Motors Corporation

Executive Order No.: A-6-416-1

Engine Family: JGC7.4T5HAC7

Exhaust Emission Control System: AIP/EGR/TWC/OC/OS  
(CFI)(OBD)

Liter (CID): 7.4 (454)

Engine Type: V-8

ENG CODE	VEH MODELS	TRANS TYPE	EQUIV TEST WEIGHT	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (TBI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
15	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9 CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9	M-4	8000	16072541, 16075351, 16084431	17087257	17087189	25101074* 25100464**
	CR30903+ZW9 CR30943+ZW9 CR31003+ZW9 CR31403+ZW9 CV30903+ZW9 CV30943+ZW9 CV31003+ZW9 CV31403+ZW9						

\* Front

\*\* Rear

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

ISSUED: 001

REV. NO.: 003  
004

U219T/22T