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:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JGC7.4T5HAC7	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:

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

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

Loaded Vehicle Weight	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
3751-5750	0.15	2.6	0.9
5751 & Larger	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 _____ 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
- CI, 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

0219T/22T

17-JGC7.4T5HAC7-2A

(For CARB Use Only)
(1988)

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

Manufacturer: General Motors Corporation
Engine Family: JGC7.4T5HAC7
Engine Displacement Liters (Cubic Inches) - Type: 7.4 (454) V-8

Executive Order No.: A-6-416-1
Evaporative Family: JFO-3H

VEHICLE MODELS:

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

Digit 1
Selling Division

C-Chevrolet
T-GMC Truck

Digit 2
Chassis Type

C-Conventional 4x2
G-Forward Control 4x2 (Body Frame Integral)
K-Conventional 4x4
M-Forward Control 4x2 (Body Frame Integral)
P-Forward Control 4x2 (Conventional)
R-Conventional 4x2
S-S10/15 4x2
T-S10/15 4x4
V-Conventional 4x4

Digit 3
Series/GVWR Range

1-3400 to 7300 lbs
2-6400 to 8600 lbs
3-7400 to 14500 lbs

Digits 4 & 5
CA Dimension/Model Type

05-Blazer/Jimmy, Step-Van/Valve Van
06-S10/15
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

Digits 6 & 7
Cab or Body Style

03-Conventional Cab (S10/15, C-K, R-V Models)
-Cutaway Van/Vandura 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)

Digits 8, 9 & 10
Body Ordering Code

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

17-JGC7.4T5HAC7-3.1A

(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.
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*
	CC30953		6500	16075361			25100464**
	CK30903+E63		6000				
	CK30953		6500				
4	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

17-JGC7.4T5HAC7-4.1A

(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.
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	A-3	8000	16069651,	17087257	17087189	25101074*
	CR30943+ZW9			16075321			25100464**
	CR31003+ZW9						25127585*1
	CR31403+ZW9						25127586**1
	CV30903+ZW9						
	CV30943+ZW9						
	CV31003+ZW9						
	CV31403+ZW9						
	CG31303+ZW9						
	CG31332+ZW9						
	CG31603+ZW9						
	CG31632+ZW9						
	CG31303+E31		6500				
	CG31303+E34		6000				
	CG31303+E36						
	CG31603+E38		6500				
	CG31603+E39		6000				
	CG31603+E30		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

5219T/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		8000				
	CG31603+E30		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

5219T/22T

17-JGC7.4T5HAC7-6.1A

(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.
6	CR30903+ZW9	A-3	8000	16069651,	17087257	17087189	25101074*
	CR30943+ZW9			16075321			25100464**
	CR31003+ZW9						25127585*1
	CR31403+ZW9						25127586**1
	CV30903+ZW9						
	CV30943+ZW9						
	CV31003+ZW9						
	CV31403+ZW9						
	CG31303+ZW9						
	CG31332+ZW9						
	CG31603+ZW9						
	CG31632+ZW9						
	CG31303+E31		6500				
	CG31303+E34		6000				
	CG31303+E36						
	CG31603+E38		6500				
	CG31603+E39		6000				
	CG31603+E30		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-JGC7.4T5HAC7-7A

(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

219T/22T

17-JGC7.4T5HAC7-7.1A

(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.
7	CR30903+ZW9	A-3	8000	16069671,	17087257	17087189	25101074*
	CR30943+ZW9			16075341			25100464**
	CR31003+ZW9						25127585*1
	CR31403+ZW9						25127586**1
	CV30903+ZW9						
	CV30943+ZW9						
	CV31003+ZW9						
	CV31403+ZW9						
	CG31303+ZW9						
	CG31332+ZW9						
	CG31603+ZW9						
	CG31632+ZW9						
	CG31303+E31		6500				
	CG31303+E34		6000				
	CG31303+E36						
	CG31603+E38		6500				
	CG31603+E39		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-JGC7.4T5HAC7-8A

(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,			25100464**
	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
004

219T/22T

17-JGC7.4T5HAC7-8.1A

(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.
8	CR30903+ZW9	A-3	8000	16069671,	17087257	17087189	25101074*
	CR30943+ZW9			16075341			25100464**
	CR31003+ZW9						25127585*1
	CR31403+ZW9						25127586**1
	CV30903+ZW9						
	CV30943+ZW9						
	CV31003+ZW9						
	CV31403+ZW9						
	CG31303+ZW9						
	CG31332+ZW9						
	CG31603+ZW9						
	CG31632+ZW9						
	CG31303+E31		6500				
	CG31303+E34		6000				
	CG31303+E36						
	CG31603+E38		6500				
	CG31603+E39		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

219T/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

5219T/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**
5	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