

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the optional NOx standard by providing evidence that there are sufficient projected sales of vehicles certifying to the primary NOx emission standard, or is allowed a delay in implementation under small volume manufacturer provisions, or is allowed a delay in implementation under the "In lieu" standards, or is certifying passenger cars weighing more than 5250 lbs. loaded vehicle weight.

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 comply with 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 have been granted an exemption from compliance with the requirements of 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 24<sup>th</sup> day of February, 1988.

  
K. D. Drachand, Chief  
Mobile Source Division

(For CARB Use Only)

(1989)

## AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: General Motors Corporation      Executive Order No.: A-6-439  
 Engine Family: K1G5.0W5NTA7      Evaporative Family: KBO-1N  
 Engine Displacement Liters (Cubic Inches) - Type: 5.0 (305) - V8  
 Exhaust Emission Control System (Special Features): AIP, EGR, OS, DBC, (CFI)

## ABBREVIATIONS:

Ignition System

CA-Centrifugal Advance  
 ECU-Electronic Control Unit  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

CFI, DID, DIP, EPFI, HOS, MPFI, OS, SFI  
 VV-nVenturi Carburetor  
 VV-Variable Venturi

Other Abbreviations

A/C-Air Conditioning  
 CID Cubic Inch Displacement  
 ETW-Equivalent Test Weight  
 FC-Forward Control  
 HD-Heavy Duty  
 RI-Rail & Injector  
 RWD-Rear Wheel Drive  
 FWD-Front Wheel Drive  
 4WD-Four Wheel Drive  
 TBI-Throttle Body Injection  
 4x2-Two Wheel Drive  
 4x4-Four Wheel Drive  
 6x4-Four Wheel Drive

Exhaust Emission Control System

AIP-Air Injection Pump  
 AIV-Air Injection Valve  
 EGR-Exhaust Gas Recirculation  
 EIC-Electronic Injection Control (Diesel Only)  
 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  
 TWC-Three-Way Catalyst  
 WUOC-Warm-up Oxidation Catalyst  
 WUTWC-Warm-up Three-Way Catalyst

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection or Throttle  
   Body Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EPFI-Electronic Port Fuel Injection  
 IC-Intercooler/Aftercooler  
 MPFI-Mechanical Port Fuel Injection  
 OBD-On-Board Diagnostics  
 SC-Supercharger  
 SFI-Sequential Fuel Injection  
 TC-Turbocharger

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SECTION 17.00.00.00

C-P-C ENGINE FAMILY K1G5.0W5NTA7

<u>Section and Page No.</u>	<u>Rev. No. or Date</u>	<u>Item</u>
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17-K1G5.0W5NTA7-4A	02-15-88	Certification Review Sheet

NOTES:

- (1) See page one for abbreviations and family information.
- (2) Please refer to manufacturer's HP lists for correct dyno test HP settings based on model and equipment.
- (3) If two test weights are listed, the lower weight will be used for testing.
- (4) Letter derivative codes are the same as corresponding numeric codes except as indicated.

ISSUED: 02-15-88

REV. NO.: 001 (RC K1-032)  
002 (RC K1-088)

0197V/14V

17-K1G5.0M5NTA7-2A

(For CARB Use Only)  
(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
GASOLINE-FUELED PASSENGER CARS

Executive Order No. A-6-439

VEHICLE MODELS:

1 J U 2 7 (EXAMPLE)

Digit 1  
Selling Division

Digit 2 - Body Designation

1-Chevrolet  
2-Pontiac  
3-Oldsmobile  
4-Buick  
6-Cadillac

A-Celebrity, 6000, Cutlass Ciera, Cutlass Cruiser, Century  
B-Caprice, Safari Wagon, Custom Cruiser, LeSabre/Electra Wagon  
C-Ninety-Eight Regency, Electra, DeVille, Fleetwood, Limousine  
D-Brougham  
E-Toronado, Riviera, Eldorado, Reatta  
F-Camaro, Firebird, Trans Am, Formula  
G-Monte Carlo, El Camino, Caballero  
H-Bonneville, Delta 88 Royale, LeSabre  
J-Cavalier, Sunbird, Firenza, Skyhawk, Cimarron  
K-Seville  
L-Corsica, Beretta  
N-Grand Am, Calais, Somerset/Skylark  
P-Fiero  
T-Lemans  
V-Allante  
W-Grand Prix, Regal, Cutlass Supreme  
Y-Corvette  
Z-Commercial Chassis

Digit 3  
Trim Level

Digits 4 & 5 - Body Style

07-2Dr Sport Coupe  
08-2Dr Hatchback Coupe  
11-2Dr Notchback Coupe/Sedan  
19-4Dr Sedan  
23-4Dr Auxiliary Seat Sedan  
27-2Dr (Notchback) Coupe  
33-4Dr Auxiliary Seat Sedan  
35-4Dr Station Wagon  
37-2Dr Hardtop Coupe

47-2Dr Hardtop Coupe  
57-2Dr Hardtop Coupe  
67-2Dr Convertible Coupe  
68-4Dr Hatchback Sedan  
69-4Dr (Notchback) Sedan  
77-2Dr Hatchback Coupe  
80-2Dr Sedan Pickup  
87-2Dr Hatchback Coupe  
90-Commercial Chassis  
97-2Dr Hardtop Coupe

Engine: Front

Drive: RWD

ISSUED: 02-15-88

REV. NO.:

0197V/

17-K1G5.0M5NTA7-3A

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Liters (CID): 5.0 (305)

Type: V8

Executive Order No. A-6-439

ENG CODE	VEH MODELS	TRANS TYPE	ETW	IGN SYSTEM (ECU) PART NO.	FUEL SYSTEM (CFI) PART NO.	EGR VALVE PART NO.	CATALYST PART NO.
51	1FP67 1FP87 2FS87 2FW87	A-4	3750	16085191	17089062	17088125	25100541
51A				16127491			
61	1FP87 2FS87 2FW87 1FP67	M-5	3625 3750	16083341	17089063		
61A				16127471			
61B				16132221			

ISSUED: 02-15-88

REV. NO.: 001  
002

0197V/14V