

Name of Manufacturer Chevrolet Motor Div.
 Name of Model Chevy II (0437)
 Manufacturers Reference
 No. of Application 0437-64

I certify that in excess of 1000 cars identical with the basic specification stated in this application were completed on October, 1963 . Production commenced on September, 1963 .
 Cars conforming to this specification may be identified by Chassis Nos. 40437 W 100025

Letter indicates Assembly Plant. Engines Nos. "J" Indicates V/8 Engine

Chevrolet Motor Division

By: W. Burwell
 Title: Assistant Chief Engineer

W. Mackenzie
 By: _____
 Title: Mgr., Technical Projects
Public Relations

ACQUISITION SERVICE DIVISION
 GENERAL INVESTIGATIVE DIVISION
 FEDERAL BUREAU OF INVESTIGATION
 U.S. DEPARTMENT OF JUSTICE
 400 ...

George A. Stand
 Sec'y.

Telephone: ELdorado 5-0900



Cable Address: "ACCUSFIA-NEW YORK"

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES FIA, INC.

515 MADISON AVENUE, NEW YORK 22, N. Y.

FORM OF RECOGNITION IN ACCORDANCE WITH APPENDIX J TO THE INTERNATIONAL SPORTING CODE

Manufacturer's Reference No. for application 0437-64

FIA Recognition No. 1104

Manufacturer Chevrolet

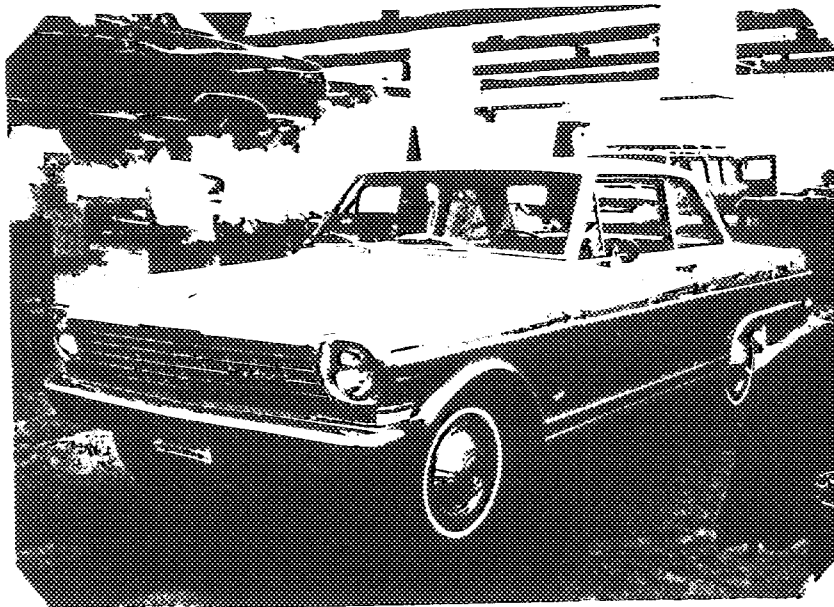
Model Chevy II Year of manufacture 1964

Serial No. of Chassis starts with 40437 W 100025 (Letter indicates Assembly Plant)

Engine starts with _____

Type of bodywork Steel body integral with frame

Recognition is valid from 67 In category Touring
(FIA to insert date) or Grand Touring X



Stamp of FIA to be affixed here

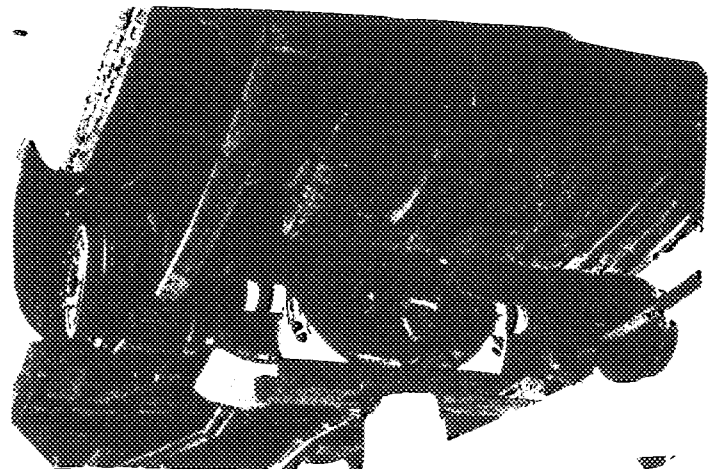
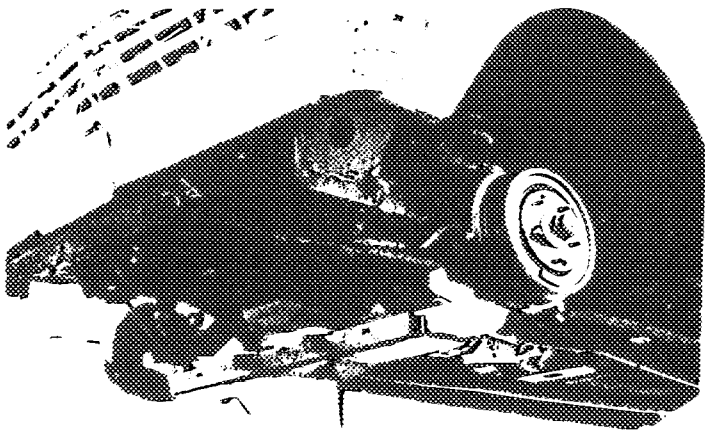
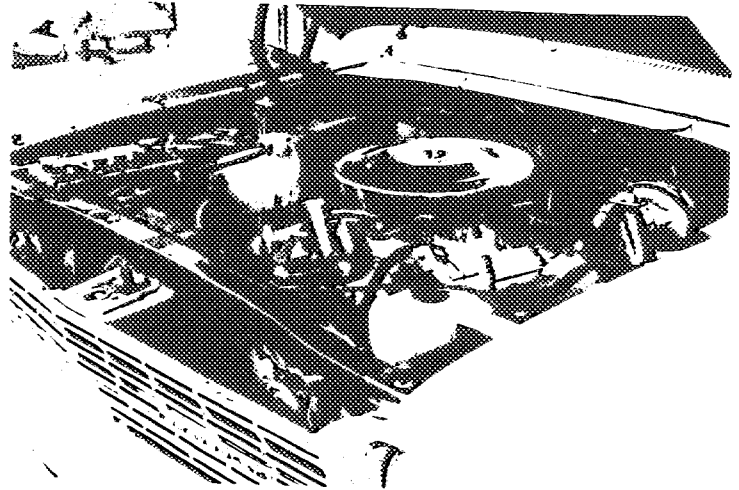
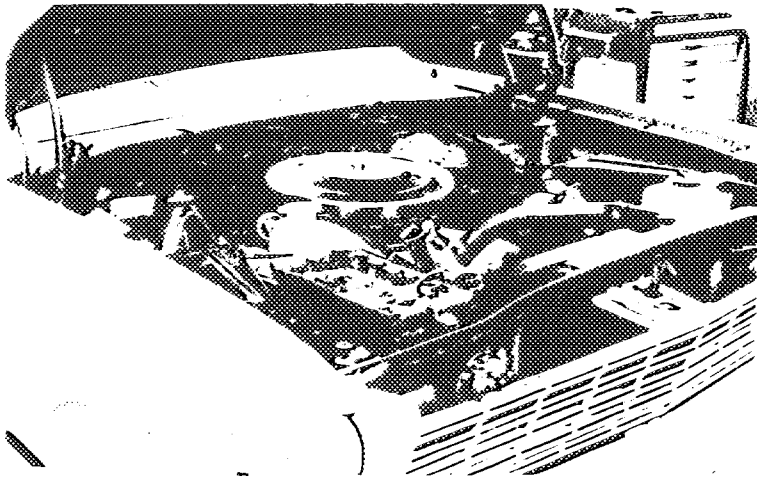
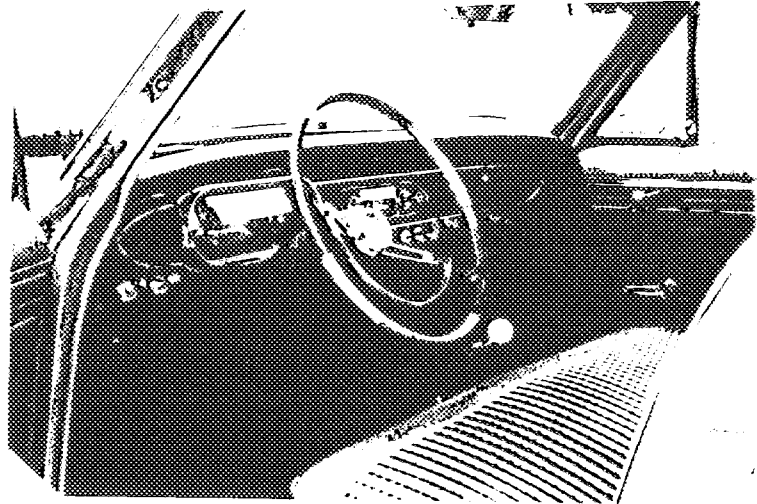
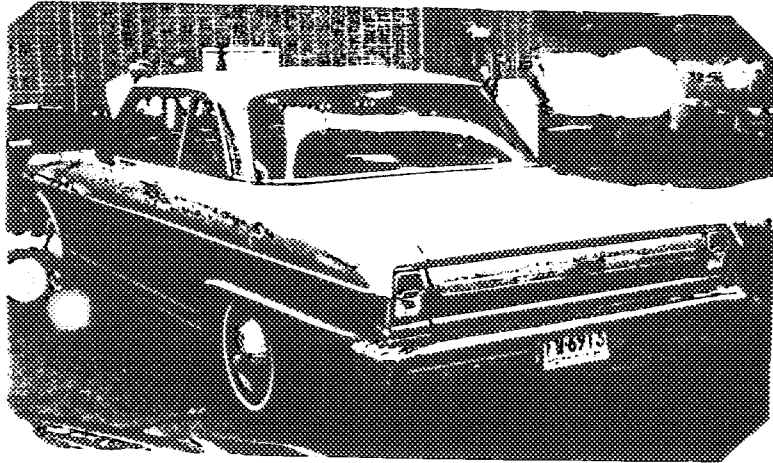
Stamp of ACCUS-FIA, INC. to be affixed here

Signed [Signature]
Sec'y

General description of car: (specifying materials of bodywork)

Heavy gauge steel body integral with Frame and Unitized Bolt on Front End; Independent Front Suspension incorporating High-Mounted Coil Springs, Long and Short Control Arm with Spherical Joints; Hotchkiss Rear Suspension System and Rubber Insulated Tapered Leaf Springs; Front Mounted Engine.

Photographs to be affixed below:



ENGINE

No. of cylinders 8 in line --
 in V V/8
 opposed --
 Cycle 4 Firing order 1-8-4-3-6-5-7-2
 Capacity 283 Cu. In. ~~xxx~~ Bore 3.875 In. ~~xxx~~ Stroke 3.00 ~~xxx~~
 Maximum rebore 3.915 In. Resultant capacity 288.5 ~~xxx~~

Material of cylinder block Cast Iron Alloy Material of sleeves, if fitted None
 Distance from crankshaft center line to top face of block at center line of cylinders 9.025 In. ~~xxx~~

Material of cylinder head Cast Iron Alloy Volume of one combustion chamber 8.2 cc's. ~~xxx~~
 Compression ratio 9.25:1 (1 - Oil)
 Material of piston Aluminum Alloy No. of piston rings 3 (2 - Compression)
 Distance from wrist pin center line to highest point of piston crown 2.399 ~~xxx~~ In.

Bearings (Crankshaft main bearings: Type Steel Backed Dia. 2.3004 In. ~~xxx~~
 Babbitt
 (Connecting rod big end: Type Copper Lead Alloy or Steel Backed Dia. 2.0016 In. ~~xxx~~
 Babbitt
 (Flywheel 30.67 Lbs. ~~xxx~~
 (Crankshaft 48.0 Lbs. ~~xxx~~
 Weights (Connecting rod 1.25 Lbs. ~~xxx~~
 (Piston with rings 1.39 Lbs. ~~xxx~~
 (Wrist pin .310 Lbs. ~~xxx~~

No. of valves per cylinder 2 Method of valve operation Push Rod, Spring & Rocker Arm
 No. of camshafts 1 Location of camshafts above crankshaft
 Type of camshaft drive Sprocket gear driven by chain from crankshaft

Diameter of valves: Inlet 1.725 In. ~~xxx~~ Exhaust 1.505 In. ~~xxx~~
 Diameter of port at valve seat: Inlet 1.603 In. ~~xxx~~ Exhaust 1.383 In. ~~xxx~~
 Tappet clearance for checking timing: Inlet Zero ~~xxx~~ Exhaust Zero ~~xxx~~
 Valves open: Inlet 32° 30' Exhaust 74° 30'
 Valves close: Inlet 87° 30' Exhaust 45° 30'
 Maximum valve lift: Inlet .3987 In. ~~xxx~~ Exhaust .3987 In. ~~xxx~~

Degrees of crankshaft rotation from zero to -
 Maximum lift: Inlet _____ Exhaust _____
 3/4 Maximum lift: Inlet _____ Exhaust _____

Valve springs: Inlet _____ Exhaust _____
 Type Coil Steel _____ Coil Steel _____
 No. per valve 1 _____ 1 _____

Carburetor: Type Down Draft No. fitted 1
 (up or down draft, horizontal)

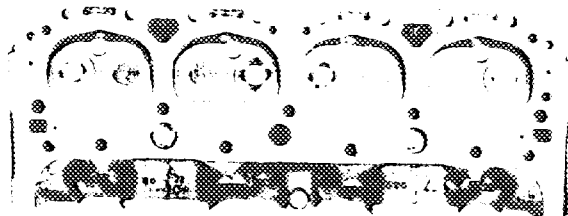
Make Rochester Model 7024101
 Flange hole diameter 1.44 In. ~~xxx~~ Choke diameter 2-5/16 In. ~~xxx~~
 Main jet identification No. 5

Air filter: Type Paper Element No. fitted 1

Inlet manifold:

Diameter of flange hole at carburetor 1-15/32 In. (Dia. 2-Holes)

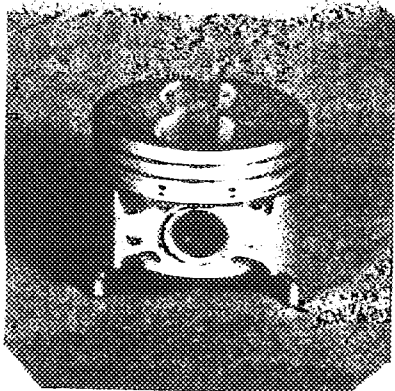
Diameter of flange hole at port Rectangular in shape .96 In. x 1.56 In.



Exhaust manifold:

Diameter of flange hole at port 1.32 In. x 1.34 In.

Diameter of flange hole at connection to muffler inlet pipe 2.40 In.



ENGINE ACCESSORIES

Make of fuel pump AC No. fitted 1

Method of operation Mechanical Drive Off Camshaft

Type of ignition system Coil coil or magnet

Make of ~~ignition~~ Distributor Delco-Remy Model #1111015

Method of advance and retard Vacuum

Make of ignition coil Delco-Remy Model #1115115

No. of ignition coils 1 Voltage 12

Make of generator Delco-Remy Model #1100670

Voltage of generator 12-15 Maximum output 42 amps.

Make of starter motor Delco-Remy Model #1107303

Battery: No. fitted 1 voltage 12 Capacity 44 amp hour

20 Hr. Rate

TRANSMISSION

Make of clutch Chevrolet Type Diaphragm, Single Disk, Dry Plate
 Diameter of clutch plate O.D. - 10.40 In. No. of plates 1
 Method of operating clutch Diaphragm Action
 Make of gearbox Chevrolet Type 4-Speed
 No. of gearbox ratios 4
 Method of operating gearshift Manual - Lever thru linkage
 Location of gearshift Floor
 Is overdrive fitted? No
 Method of controlling overdrive, if fitted --

Speed	GEARBOX RATIOS		ALTERNATIVE RATIOS				No. of Teeth
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	
1st.	2.56	36					
2nd.	1.91	30					
3rd.	1.48	27					
4th.	1.0	24					
5th.							
Reverse	2.64	35					

Type of final drive Hotchkiss
 Type of differential Semi-Floating, overhung, pinion gear
 Final drive ratio 3.55:1 Alternatives See last sheet
 No. of teeth 9-32
 Overdrive ratio, if fitted --

WHEELS

Type Short Spoke Disk Weight 16.10 Lbs.
 Method of attachment Hex Nuts
 Rim diameter 14 In. Rim width 5.0 In.
 Tire size: Front 6.50 x 14 Rear 6.50 x 14

BRAKES

Method of operation Foot Pedal (4-Wheel Hydraulic)
 Is servo assistance fitted? No
 Type of servo, if fitted --
 No. of hydraulic master cylinders 1 Bore 1.00 In.

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	Front	Rear
No. of wheel cylinders	One Per Wheel	One Per Wheel
Bore of wheel cylinders	<u>1.06 In.</u> XXX	<u>.875 In.</u> XXX
Inside diameter of brake drums	<u>9.5 In.</u> XXX	<u>9.5 In.</u> XXX
No. of shoes per brake	<u>Two</u>	<u>Two</u>
Outside diameter of brake discs	<u>--</u> XXX	<u>--</u> XXX
No. of pads per brake	<u>20</u>	<u>20</u>

Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)

	Front	Rear
Length	<u>1.64 In. (Pad)</u> XXX	<u>1.64 In. (Pad)</u> XXX
Width	<u>1.25 In. (Pad)</u> XXX	<u>1.00 In. (Pad)</u> XXX
Total area per brake	<u>32.80 Sq. In.</u> XXX ²	<u>26.24 Sq. In.</u> XXX ²

SUSPENSION

	Front	Rear
Type	Independent coil spring, spherical joint system with long & short control arms.	Hotchkiss with single leaf and springs.
Type of spring	<u>Coil</u>	<u>Leaf</u>
Is stabilizer fitted?	<u>Yes</u>	<u>Yes</u>
Type of shock absorber	<u>Direct Double Acting</u>	<u>Direct Double Acting</u>
No. of shock absorbers	<u>One Per Wheel</u>	<u>One Per Wheel</u>

STEERING

Type of steering gear	<u>Semi Reversible, Recirculating Ball</u>
Turning circle of car	<u>Outside Front, Wall to Wall 39.5 Ft.</u> XXX , approx.
No. of turns of steering wheel from lock to lock	<u>4.50</u>

CAPACITIES AND DIMENSIONS

Fuel tank	<u>16 Gal.</u> XXXX	Sump	<u>5 Qts. (With Filter)</u> XXXX
Radiator	<u>17 Qts. (With Heater)</u> XXXX		
Overall length of car	<u>183.0 In.</u> XXX	Overall width of car	<u>69.4 In.</u> XXX
Overall height of car, unladen (with top up, if appropriate)	<u>55.0 In.</u> XXX		
Distance from floor to top of windshield:			
Highest point	<u>39.7 In.</u> XXX	Lowest point	<u>28.9 In.</u> XXX

Width of windshield:

Maximum width	<u>56.6 In.</u> XXX	Minimum width	<u>Same</u> XXX
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Front Seat Hip Room

* ~~Exterior width of car~~ 59.2 In. ~~XXX~~

No. of seats 2

Track: Front 56.8 In. ~~XXX~~ Rear 56.3 In. ~~XXX~~

Wheelbase 110.0 In. ~~XXX~~ Ground clearance 5.2 In. ~~XXX~~

Overall weight with water, oil and spare wheel, but without fuel 2866 Lbs. ~~XXX~~

*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Additional information for cars fitted with two-cycle engines only:

System of cylinder scavenging _____
Type of lubrication _____

Size of inlet port:

Length measured around cylinder wall _____ mm
Height _____ mm Area _____ mm²

Size of exhaust port:

Length measured around cylinder wall _____ mm
Height _____ mm Area _____ mm²

Size of transfer port:

Length measured around cylinder wall _____ mm
Height _____ mm Area _____ mm²

Size of piston port:

Length measured around piston _____ mm
Height _____ mm Area _____ mm²

Method of pre-compression _____

Bore and stroke of pre-compression cylinder, if fitted _____ mm

Distance from top of cylinder block to lowest point of inlet port _____ mm

Distance from top of cylinder block to highest point of exhaust port _____ mm

Distance from top of cylinder block to highest point of transfer port _____ mm

Drawing of cylinder ports.

Supercharger, if fitted

Make _____ Model or Type No. _____
Type of drive _____ Ratio of drive _____

Fuel injection, if fitted

Make of pump _____ Model or Type No. _____
Make of injectors _____ Model or Type No. _____

Location of injectors _____

Optional equipment affecting preceeding information:-

Optional Axles: 3.08:1, 3.36:1, 3.70:1, 4.11:1, 4.56:1, 4.88:1

3-Speed Manual Transmission

Quick Steering Gear (14.5:1 Ratio)

Tire Sizes: 7.00 x 14, 7.50 x 14, 8.00 x 14, 8.50 x 14



CHEVROLET MOTOR DIVISION General Motors Corporation

General Motors Building, Detroit, Michigan 48202

March 18, 1963

Mr. George C. Rand, Secretary
Automobile Competition Committee
for the United States FIA, Inc.
515 Madison Avenue
New York 22, New York

Dear Mr. Rand Reference: Manufacturers Reference #0437-64

Will you kindly supplement the data submitted in reference Homologation
Form for the 1964 Chevy II received by you on December 31, 1963, with
the following data to complete and clarify specifications:

DEGREES OF CRANKSHAFT ROTATION FROM ZERO TO:

MAXIMUM LIFT: Inlet 109°30' Exhaust 247°30'

3/4 MAXIMUM LIFT: Inlet 59°30' Exhaust 197°30'

GEAR BOX RATIOS

Table with 3 columns: Speed, Ratio, No. of Teeth. Rows include 1st, 2nd, 3rd, 4th, and Reverse gears with their respective ratios and tooth counts.

OPTIONAL AXLES

Table with 2 rows and 7 columns. Row 1: Ratio (3.08:1, 3.36:1, 3.70:1, 4.11:1, 4.56:1, 4.88:1). Row 2: No. of Teeth (37-12, 37-11, 37-10, 37-9, 41-9, 39-8).

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CHEVROLET

Mr. George C. Rand, Secretary

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March 18, 1964

Manufacturers Reference #0437-64

WHEEL SIZES

Rim Diameter

Rim Width

13.0 In.
13.0 In.
14.0 In.
14.0 In.

4.0 In.
5.5 In.
5.0 In.
6.0 In.

VEHICLE CATEGORY:

TOURING

GRAND TOURING X

The classification requested on the original form is confirmed.

Name of Company or Division Chevrolet Motor Division

By *L. Burwell*
Title Chief Special Products Engineer

By *W. R. ...*
Title Manager, Technical Projects
Public Relations

AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES
107 EAST 24th STREET
NEW YORK, N.Y.

George C. Rand

APR 2 1964

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