



#. 54

No 54

Name of Manufacturer . . . . . Chevrolet Motor Div.  
 Name of Model . . . . . Corvette (867)  
 Manufacturers Reference  
 No. of Application . . . . . 867-62

I certify that in excess of 100 cars identical with the basic specification stated in this application were completed on December 1961. Production commenced on Aug. 21, 1961. Cars conforming to this specification may be identified by Chassis Nos. 20867S100001 (Located on left front body hinge pillar).  
 Engine Nos. RF (Indicates 360 HP Fuel Injection Engines)

Chevrolet Motor Division

By:



V. W. Figgins  
Director & Officer



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THE AUTOMOBILE COMPETITION COMMITTEE  
FOR THE UNITED STATES, FIA, INC.  
515 MADISON AVENUE  
NEW YORK 22, N. Y.

TEL: Eldorado 5-0900

CABLE: ACCUSFIA NEW YORK

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of Recognition in accordance with Appendix J to the International Sporting Code.

Manufacturers Reference No. for

Application 867-62

F.I.A. Recognition No. 54

Manufacturer Chevrolet

Model Corvette Year of Manufacture 1962

Serial No. of Chassis starts with 20867 S 100001

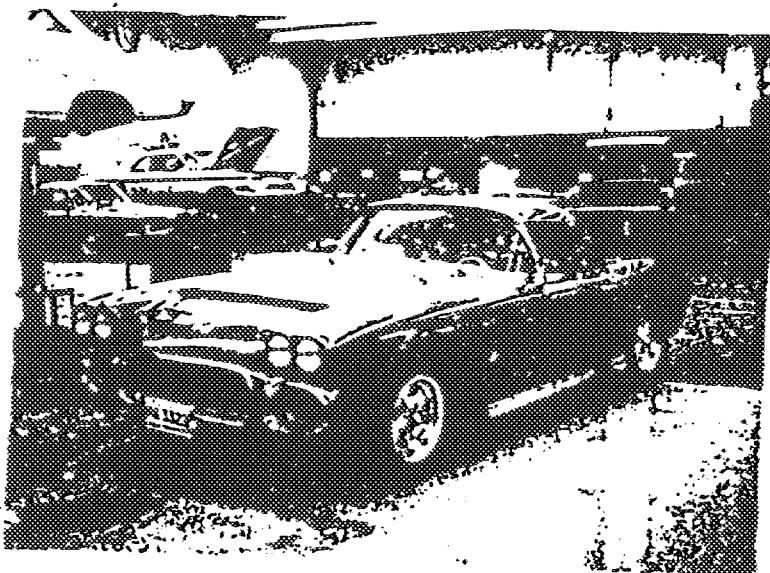
Engine starts with K83CXRF (Indicates 360 HP Fuel Injection Engines)

Type of Bodywork Fiber Glass Reinforced Plastic Body

Recognition is valid from \_\_\_\_\_

In Category Touring \_\_\_\_\_

or Grand Touring X



AUTOMOBILE COMPETITION COMMITTEE  
FOR THE UNITED STATES, FIA, INC.  
515 MADISON AVENUE  
NEW YORK 22, N. Y.

Stamp of ACCUSFIA, INC.  
to be affixed here.

Stamp of F.I.A. to be  
affixed here.

*Hubert Schaefer*

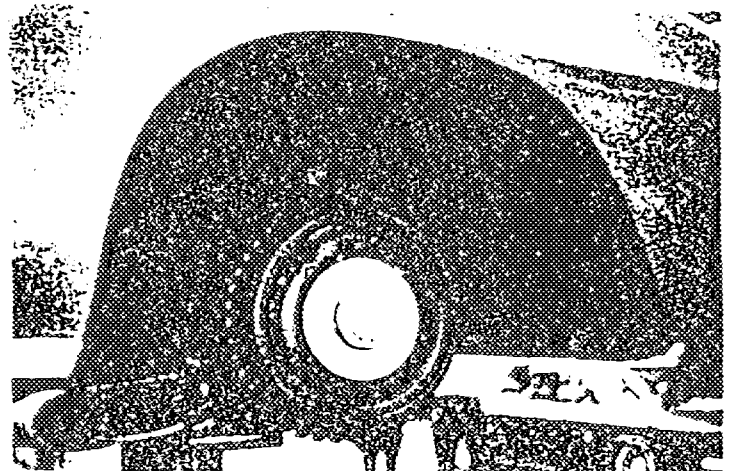
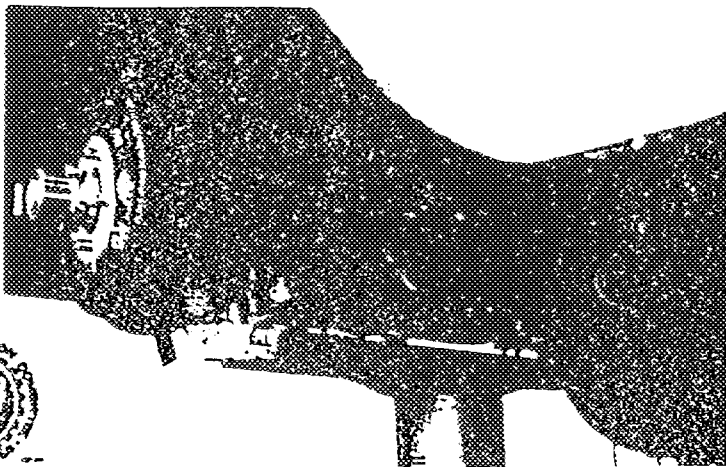
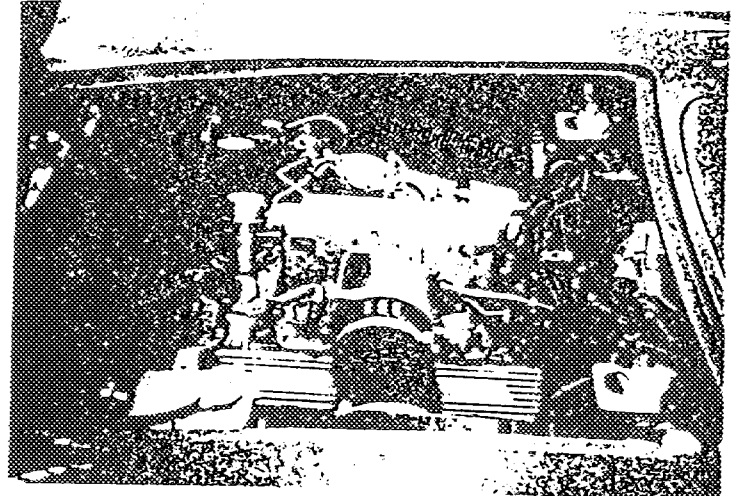
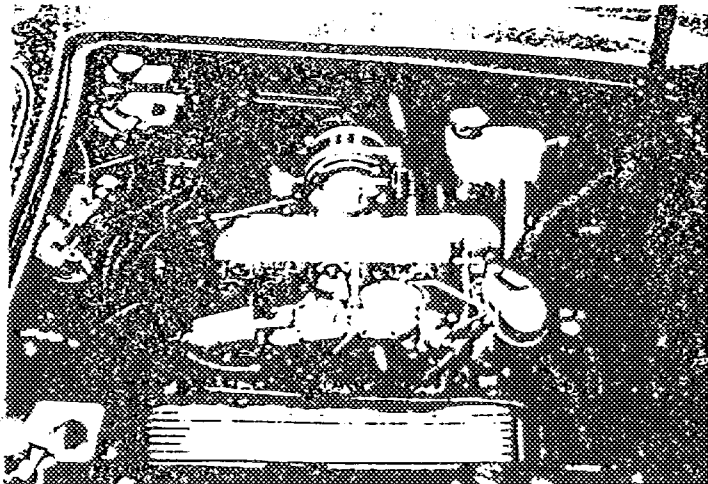
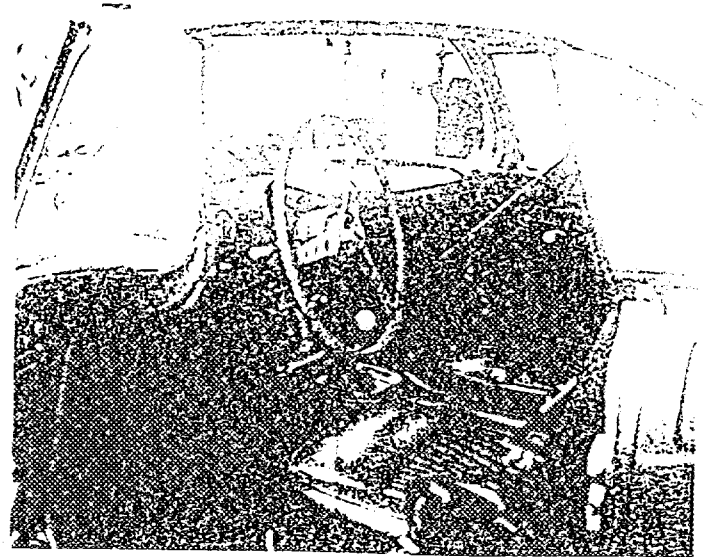
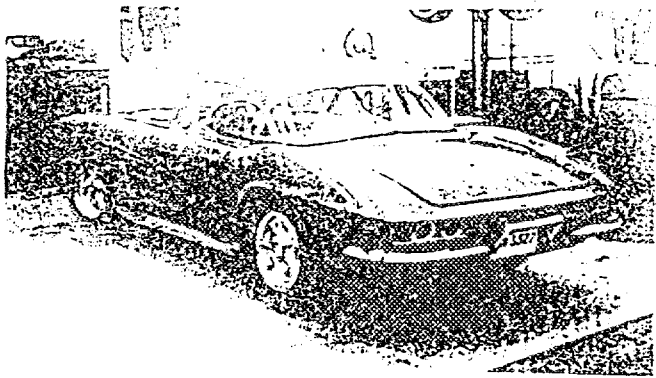
Signed

*George C. ...*  
Sec'y

16 JAN 1962

General description (specifying materials)

Two-passenger coupe, with fiber glass reinforced plastic body having molded-in steel structural members. Box-girder X-member frame. Independent coil spring front suspension. Outrigger mounted semi-elliptical leaf spring rear suspension. Front mounted engine.

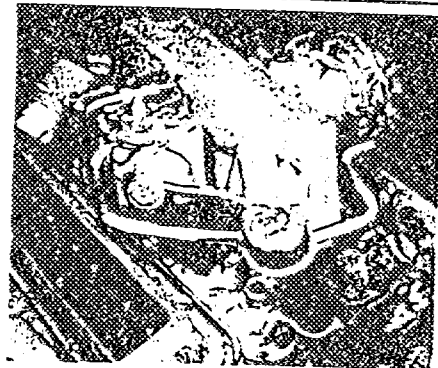
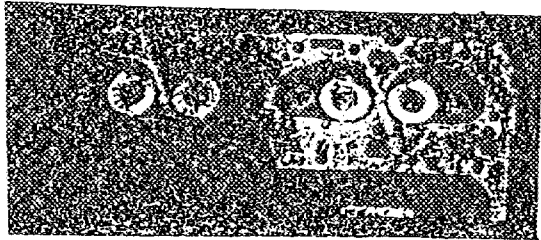


ENGINE

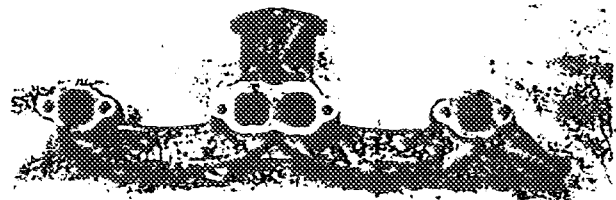
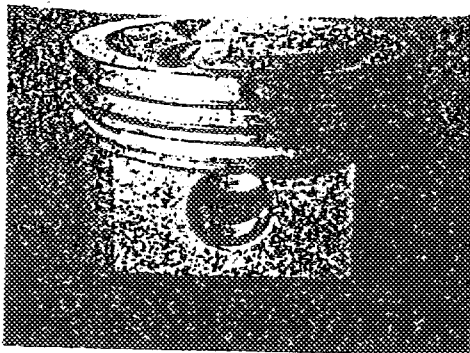
No. of cylinders 8 in V V-8  
 Cycle 4 opposed  
 Capacity 327 Cu. In. Bore 4.00 In. Stroke 3.25 In.  
 Maximum rebore 4.030 Resultant capacity 331.48 Cu. In.  
 Firing order 1-8-4-3-6-5-7-2  
 Material of cylinder block Cast Alloy Iron Material of sleeves, if fitted No Sleeves  
 Distance from crankshaft center line to top face of block at center line of cylinders 9.025 In.  
 High Chrome  
 Material of cylinder head Cast Alloy Iron Volume of one combustion chamber 3.9459 Cu. In.  
 Compression ratio 11.25:1  
 Material of piston Cast Aluminum Alloy No. of piston rings 3 (2-Compression; 1-Oil)  
 Distance from wrist pin center line to highest point of piston crown .795  
 Springs (Crankshaft main bearings: Type Premium Alum. Dia. 2.3020 In.  
 (Connecting rod big end: Type Premium Alum. Dia. 2.0024 In.  
 Weights (Flywheel 28.25 lbs.  
 (Crankshaft 54.00 lbs.  
 (Connecting rod .913 lbs. Assembled (Rod, Cap, Bolts & Nuts) = 1.378 lbs.  
 (Piston with rings 1.384 lbs.  
 (Wrist pin .310  
 No. of valves per cylinder 2 Method of valve operation & Rocker Arm Push Rod, Spring  
 No. of camshafts 1 Location of camshafts In Cyl. Block above crankshaft  
 Type of camshaft drive Sprocket Gear driven by chain from crankshaft  
 Diameter of valves: Inlet 1.940 In. Exhaust 1.500 In.  
 Diameter of port at valve seat: Inlet 1.841 In. Exhaust 1.381 In.  
 Tappet clearance for checking timing: Inlet .012 In. Exhaust .018 In.  
 Valves open: Inlet 35° BTC Exhaust 76° BBC  
 Valves close: Inlet 72° ABC Exhaust 31° ATC  
 Maximum valve lift: Inlet .3938 In. Exhaust .3998 In.  
 Degrees of crankshaft rotation from zero to -  
 Maximum lift: Inlet 108° 30' Exhaust 607° 30'  
 3/4 Maximum lift: Inlet 48° 30' Exhaust 547° 30'  
 Valve springs: Inlet Exhaust  
 Type Coil, Steel Coil, Steel  
 No. per valve 2 2  
 Carburetor: Type Ramjet Fuel Injection No. fitted One  
 (up or down draft, horizontal)  
 Make Rochester Products Model 7017360  
 Flange hole diameter -- m.m. Choke diameter -- m.m.  
 Jet identification No. --

Air filter: Type Oil Wetted, Polyurethane No. fitted One

Inlet manifold:  
 Diameter of flange hole at carburetor                      m.m.  
 Diameter of flange hole at port                      m.m.



Exhaust manifold: (Square with Rounded Corners)  
 Diameter of flange hole at port I. D. - Width 1.32 in., Height 1.34 in. m.m.  
 Diameter of flange hole at connection to muffler inlet pipe 2.531 I. D. m.m.



ENGINE ACCESSORIES

Make of fuel pump AC No. fitted One  
 Method of operation Mechanical (Eccentric Drive Off Camshaft)

Type of ignition system Coil coil or magneto  
 Make of ~~ignition~~ Distributor - Delco-Remy Model 1111011  
 Method of advance and retard Centrifugal

Make of ignition coil Delco-Remy Model 1115107  
 No. of ignition coils One Voltage 12 Volt

Make of generator Delco-Remy Model 1102268  
 Voltage of generator 12 Volt Maximum output 35 amps.

Make of starter motor Delco-Remy Model 1107233

Battery: No. fitted 1 Voltage 12 Volt Capacity 61 amp hr @ 20 hr/ rate amp. hour

TRANSMISSION

Make of clutch Borg & Beck (Lug Drive) Single plate, dry disk,  
 Diameter of clutch plate 10.0 x 6.5 (Inches) Type centrifugally assisted  
 Method of operating clutch Levers and Coil Springs No. of plates One  
 Make of gearbox Chevrolet Type 4-Speed  
 No. of gearbox ratios Four  
 Method of operating gearshift Manual - Lever thru linkage  
 Location of gearshift Floor Mounted  
 Is overdrive fitted? No  
 Method of controlling overdrive, if fitted --

Speed	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1st.	2.20:1	36	2.54:1	36				
2nd.	1.64:1	30	1.89:1	30				
3rd.	1.31:1	29	1.51:1	29				
4th.	1:1	27	1:1	36				
5th.								
Reverse	2.26:1	39	2.61:1	39				

Type of final drive Hotchkiss, One Prop. Shaft  
 Type of differential Positraction (Semi-floating with overhung pinion gear and dual 4 disk clutche  
 Final drive ratio 5.57 Alternatives \_\_\_\_\_  
 No. of teeth 39.7  
 Overdrive ratio, if fitted --

WHEELS

Type Magnesium 15 x 5-1/2 Weight 15.5 (lb)  
 Method of attachment Wing nut  
 Rim diameter 15 (Inches) Rim width 5-1/2 (Inches)  
 Tire size: Front 7.10/7.60 x 15 Rear Same

BRAKES

Method of operation Foot Pedal (4 Wheel Hydraulic)  
 Is servo assistance fitted? No  
 Type of servo, if fitted --  
 No. of hydraulic master cylinders One Bore 8.75 (Inch)

	Front	Rear
No. of wheel cylinders	<u>2 (1 per wheel)</u>	<u>2 (1 per wheel)</u>
Bore of wheel cylinders	<u>1.125 In.</u>	<u>.875 In.</u>
Inside diameter of brake drums	<u>11.20 In.</u>	<u>11.20 In.</u>
No. of shoes per brake	<u>2</u>	<u>2</u>
Outside diameter of brake discs	<u>--</u>	<u>--</u>
No. of pads per brake	<u>Primary: 6; Sec.: 12</u>	<u>Primary: 6; Sec.: 10</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>	<u>2.00 In. (Pad)</u>
Width	<u>1.25 In. (Pad)</u>	<u>.875 In. (Pad)</u>
Total area per brake	<u>36.90 In<sup>2</sup></u>	<u>28.00 In<sup>2</sup></u>

#### SUSPENSION

	Front	Rear
Type	<u>Independent, SLA</u>	<u>Hotchkiss drive</u>
Type of spring	<u>Coil</u>	<u>Hypoid, Semi-Float Axle,</u>
Is stabiliser fitted?	<u>Yes (dual)</u>	<u>Semi-elliptical Leaf</u>
Type of shock absorber	<u>Direct Acting</u>	<u>Yes (dual)</u>
No. of shock absorbers	<u>One Ea., Lt &amp; Rt</u>	<u>Direct Acting</u>
		<u>One Ea., Lt &amp; Rt.</u>

#### STEERING

Type of steering gear Semi-reversible, worm and ball bearing sector  
 Turning circle of car 38.75 Ft. wall to wall, 36.75 ft. curb to curb, approx.  
 No. of turns of steering wheel from lock to lock 3.25

#### CAPACITIES AND DIMENSIONS

Fuel tank 36.984 Gal. (140 litres) Sump 6.0 Qts. (Incl. filter)  
 Radiator 16.5 Qts. (Incl. heater)  
 Overall length of car 176.7 In. Overall width of car 70.4 In.  
 Overall height of car, unladen (with top up, if appropriate) 52.8 In. (Hardtop)  
 Distance from floor to top of windshield:  
 Highest point 50.8 In. Lowest point 38.3 In.  
 (Includes Moldings)  
 Width of windshield:  
 Maximum width 53.6 In. Minimum width Same as max.  
 (Glass D'LO)  
 \*Interior width of car 59.6 In.  
 No. of seats Two (Hip Room)  
 Track: Front 57.0 In. Rear 59.0 In.  
 Wheelbase 102.0 In. Ground clearance 4.75 In.  
 Overall weight with water, oil and spare wheel, but without fuel 3005 Lbs.  
 (Approx.)

(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 \_\_\_\_\_ m.m.  
Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of exhaust port:  
Length measured around cylinder wall \_\_\_\_\_ m.m.  
Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of transfer port:  
Length measured around cylinder wall \_\_\_\_\_ m.m.  
Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Size of piston port:  
Length measured around piston \_\_\_\_\_ m.m.  
Height \_\_\_\_\_ m.m. Area \_\_\_\_\_ m.m.<sup>2</sup>

Method of pre-compression \_\_\_\_\_  
Bore and stroke of pre-compression cylinder, if fitted \_\_\_\_\_ m.m.

Distance from top of cylinder block to lowest point of inlet port \_\_\_\_\_ m.m.  
Distance from top of cylinder block to highest point of exhaust port \_\_\_\_\_ m.m.  
Distance from top of cylinder block to highest point of transfer port \_\_\_\_\_ m.m.

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 preceding information:-

Optional Axles - 3.08:1 - 3.36:1 - 3.55:1 - 3.70:1 - 4.11:1 - 4.56:1

24 Gallon Gas Tank 16 Gallon Gas Tank

Metallic Brake Facing Equipment

Heavy Duty Chassis Equipment

Tires: 6.70 x 15

Steel Wheels: 15 x 5 and 15 x 5-1/2

