FEDERATION INTERNATIONALE DE L'AUTOMOBILE

CHEVROLET - CORVETTE	10/02	80
MARQUE ET MODELE	VALIDITE HOMOLOGATION	FICHE NR.
	GT / 5358	
	GROUPE / CLASSE	

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 18/03/96 par _____ visée ce jour le _____ par _____

n. 80

Name of Manufacturer Chevrolet Motor Division

Name of Model Corvette (837)

Manufacturer's Reference No. of Application 837-63

We certify that in excess of 100 cars identical with the basic specification stated in this application were completed on September 11, 1962. Production commenced on September 4, 1962. Cars conforming to this specification may be identified by Chassis Nos. 30837S100001. Engine Nos. RF (Indicates 360 HP Fuel Injection Engine).

Name of Company or Division Chevrolet Motor Division

By L. Burns-Dunbar

Title Director, High Performance Vehicles

By W. E. MacKenzie

Title Manager, Technical Projects
Public Relations

AUTOMOBILE [illegible] OF [illegible]
FOR THE UNITED STATES, INC.
515 MADISON AVENUE
NEW YORK 22, N.Y.

George C. Hand

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 837-63 F.I.A. Recognition No. 80

Manufacturer Chevrolet

Model Corvette Year of Manufacture 1963

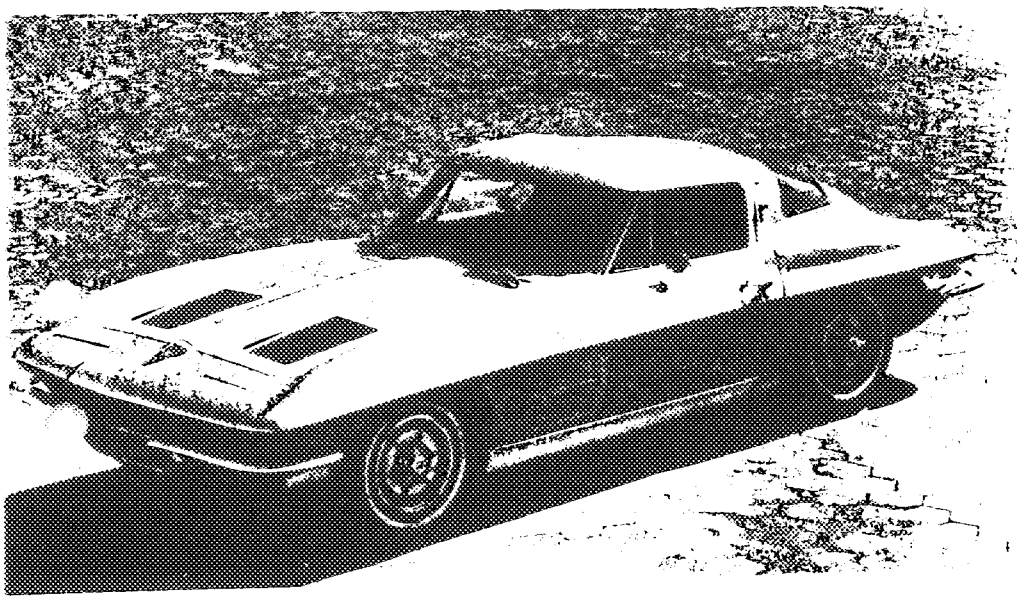
Serial No. of Chassis starts with 30837S100001

Engine starts with RF (Indicates 360 HP Fuel Injection Engine)

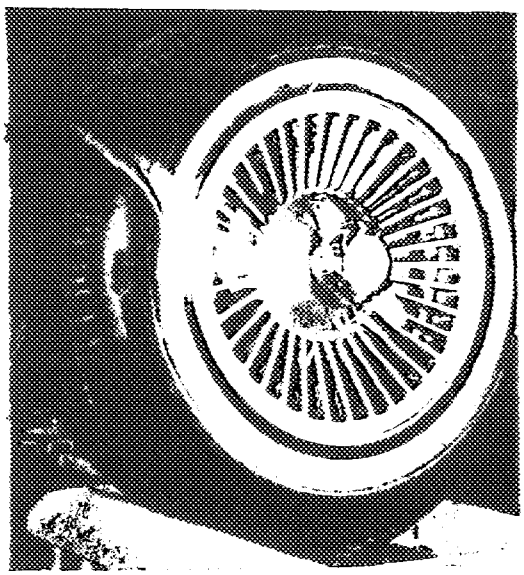
Type of Bodywork Fiber Glass Reinforced Plastic Body

Recognition is valid from 8/10/62 In Category Touring

or Grand Touring X



Wheels shown are for standard vehicle--- type of wheel below used on Hi-performance



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

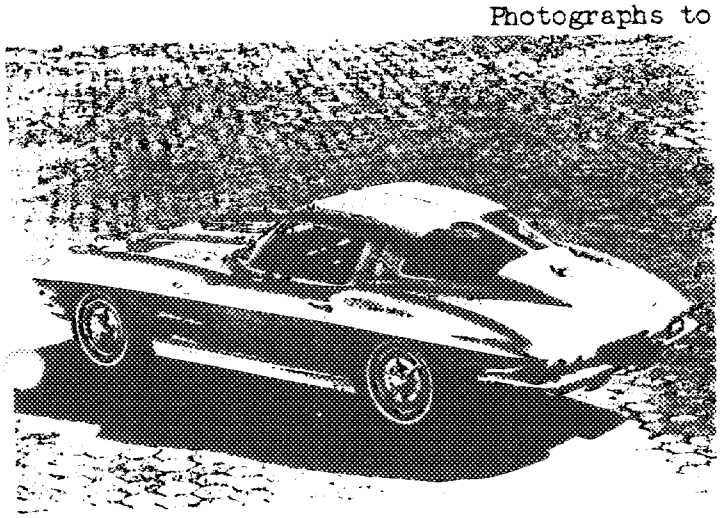
Stamp of ACCUSFIA, INC. to be affixed here.

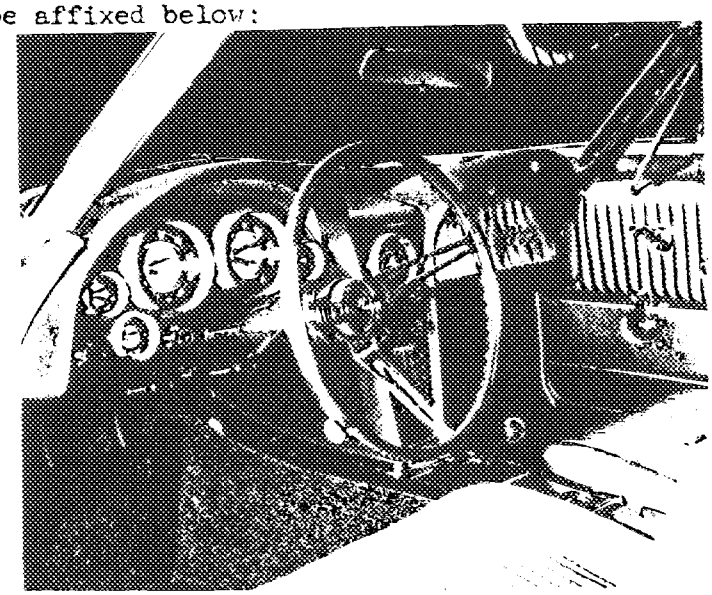
Signed _____ Sec'y

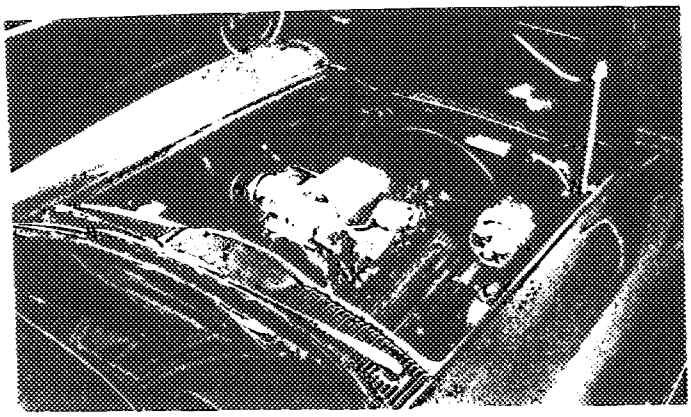
General description of car: (specifying materials of Bodywork)

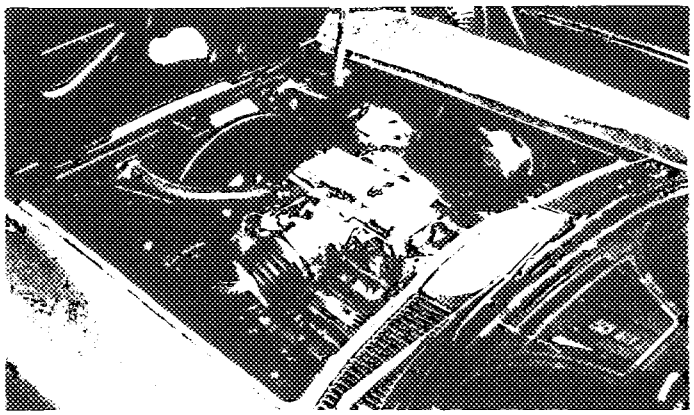
Two passenger sport coupe; structural steel members integrated with fiber glass reinforce plastic body. Box-girder frame with five cross members welded to side rails. Independer rear suspension with transverse multi-leaf spring. Spherical joint front suspension. Fixe differential and one piece prop shaft. Front mounted engine.

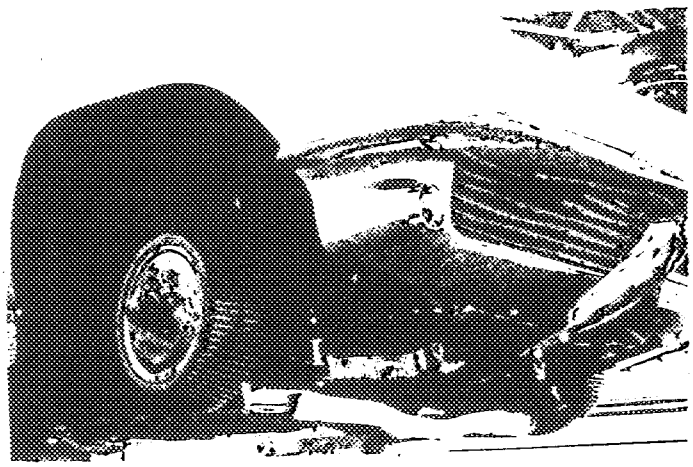
Photographs to be affixed below:

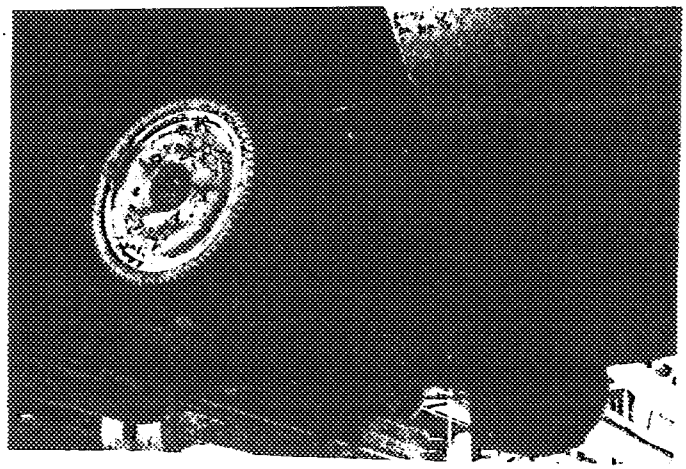












ENGINE

No. of cylinders 8 — in line ____ / in V V-8 / opposed ____

Cycle 4 — 5359 ccm — Firing order 1-8-4-3-6-5-7-2

Capacity 327 Cu. Inch ~~cu.~~ — Bore 4.00 In. ~~mm~~ — Stroke 3.25 In. ~~mm~~

Maximum rebore 4.030 — Resultant capacity 331.48 Cu. Inch ~~cu.~~

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. ~~m.m.~~

Material of cylinder head High Chrome Cast Alloy Iron — Volume of one combustion chamber 3.9707 Cu. Inch ~~c.c.~~

Compression ratio 11.25:1

Material of piston Cast Aluminum Alloy — No. of piston rings 3(2-Compression; 1-C

Distance from wrist pin center line to highest point of piston crown 1.795 In. ~~m.m.~~

Bearings
- Crankshaft main bearings: Type Premium Alum. Dia. 2.3020 In. ~~m.m.~~
- Connecting rod big end: Type Premium Alum. Dia. 2.0024 In. m.m.

Weights
- Flywheel 28.50 lbs. ~~kgs~~
- Crankshaft 54.00 lbs. ~~kgs~~
- Connecting rod .913 lbs. ~~kgs~~ Assembled (Rod, Cap, Bolts & Nuts) = 1.3
- Piston with rings 1.384 lbs. ~~kgs~~
- Wrist pin .310 lbs. ~~kgs~~

No. of valves per cylinder 2 — Method of valve operation Push Rod, Spri and Rocker Arı

No. of camshafts 1 — Location of camshafts ____

Type of camshaft drive Sprocket Gear driven by chain from crankshaft.

Diameter of valves:	Inlet	1.940 In. ~~m.m.~~	Exhaust	1.500 In. ~~m.m.~~
Diameter of port at valve seat:	Inlet	1.841 In. ~~m.m.~~	Exhaust	1.381 In. ~~m.m.~~
Tappet clearance for checking timing:	Inlet	.012 In. ~~m.m.~~	Exhaust	.018 In. ~~m.m.~~
Valves open:	Inlet	35° BTC	Exhaust	76° BBC
Valves close:	Inlet	72° ABC	Exhaust	31° ATC
Maximum valve lift:	Inlet	.3938 In. ~~m.m.~~	Exhaust	.3998 In. ~~m.m.~~

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

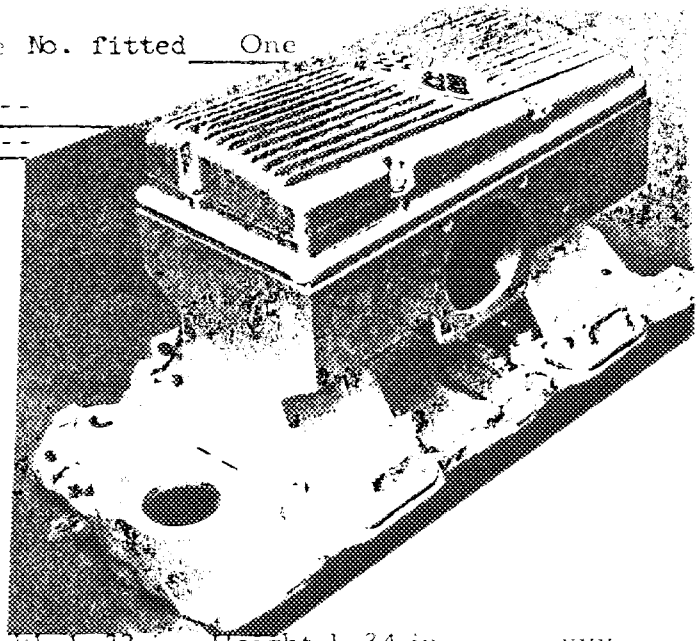
Carburetor: Type Ramjet Fuel Injection (up or down draft, horizontal) — No. fitted One

Make Rochester Products — Model 7017375

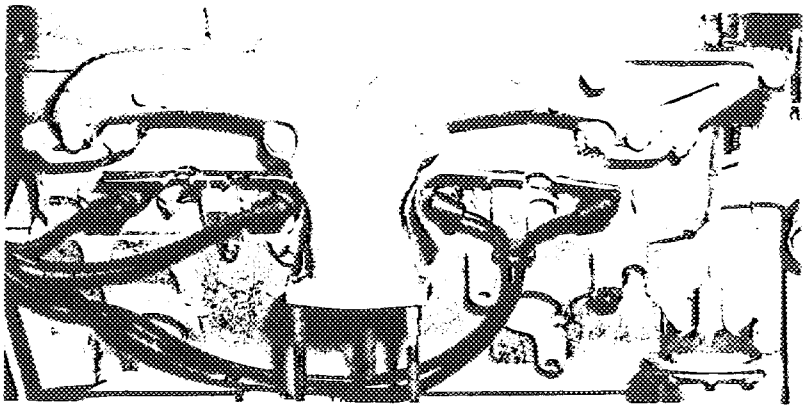
Flange hole diameter ____ m.m. — Choke diameter ____ m.m.

Main jet identification No. ____

Air filter: Type Oil Wetted, Polyurethane No. fitted One
Inlet manifold:
Diameter of flange hole at carburetor --
Diameter of flange hole at port --



Exhaust manifold:
Diameter of flange hole at port I.D. - Width 1.32 in. Height 1.34 in.
Diameter of flange hole at connection to muffler inlet pipe 2.531 I.D.



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 distributor Delco-Remy Model 1111022
Method of advance and retard Centrifugal

Make of ignition coil Delco-Remy Model 1115091
No. of ignition coils One Voltage 12 Volt

Make of generator Delco-Remy Model 1100628
Voltage of generator 12 Volt Maximum output 37 amps.

Make of starter motor Delco-Remy Model 1107242

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

TRANSMISSION

Make of clutch Chevrolet — Type Single plate, dry disk, Centrifugally assisted
Diameter of clutch plate 10.0 X 6.5 (inches) — No. of plates One
Method of operating clutch Foot Pedal
Make of gearbox Chevrolet — Type 4-Speed
No. of gearbox ratios Four
Method of operating gearshift Manual - Lever through linkage
Location of gearshift Floor mounted in console
Is overdrive fitted? No
Method of controlling overdrive, if fitted --

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
Speed	Ratio	No.of Teeth	Ratio	No.of Teeth	Ratio	No.of Teeth	Ratio	No.of Teeth
1st.	2.2:1	36	2.56:1	36				
2nd.	1.64:1	30	1.91:1	30				
3rd.	1.27:1	29	1.48:1	29				
4th.	1:1	27	1:1	36				
5th.								
Reverse	2.26:1	39	2.63:1	39				

Type of final drive Hotchkiss (drive thru torque control arms), one prop. shaft
Type of differential Positraction (Semi-floating, with overhung pinion gear and dual 4 disk clutch
Final drive ratio 5.57:1 — Alternatives
No. of teeth 39, 7
Overdrive ratio, if fitted --

WHEELS

Type Aluminum 15 X 6L — Weight 25.5 (lb.) Kg.
Method of attachment Wing Nut
Rim diameter 15 (Inches) mm. — Rim width 6.0 (Inches) mm
Tire size: Front 7.10/7.60 x 15 — Rear up to 8.00/8.20 x 15

BRAKES

Method of operation Foot pedal (duo-servo 4 wheel hydraulic, power assisted)
Is servo assistance fitted? Yes
Type of servo, if fitted Vacuum
No. of hydraulic master cylinders 2 — Bore 1.0 (Inch) mm

	Front	Rear
No. of wheel cylinders	1 per wheel	1 per wheel
Bore of wheel cylinders	1.125 (inches)	.875 (inches)
Inside diameter of brake drums	11.2 (inches)	11.2 (inches)
No. of shoes per brake	2	2
Outside diameter of brake discs	--	--
No. of pads per brake	Primary, 6; secondary, 12	Primary, 6; secondary,

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	1.64 (inches) per pad	2.00 (inches) per pad
Width	1.37 (inches) per pad	1.00 (inch) per pad
Total area per brake	40.44 in.^{2}	32.0 in.^{2}

SUSPENSION	Front	Rear
Type	Independent, S, LA	Full independent, fixed differential
Type of spring	Coil	1 Multi-leaf, transverse
Is stabiliser fitted?	Yes	No
Type of shock absorber	Direct, double acting	Direct, double acting
No. of shock absorbers	1 per wheel	1 per wheel

STEERING

Type of steering gear Semi-reversible, recirculating ball
Turning circle of car 41.6 wall to wall; 39.9 curb to curb approx.
No. of turns of steering wheel from lock to lock 2.92

CAPACITIES AND DIMENSIONS

Fuel tank 36.5 gal. Sump 6.0 (qts., with filter)
Radiator 16.5 (qts. with heater)
Overall length of car 175.3 (inches) Overall width of car 69.6 inches
Overall height of car, unladen (with top up, if appropriate) 51.9 (inches)
Distance from floor to top of windshield:
Highest point 40.6 (in.) (includes holdings) Lowest point 40.2 (in.)
Width of windshield:
Maximum width 47.9 (in.) (Glass DLO) Minimum width 42.2 (in.)
*Interior width of car 52.4 (inches) (hip room)
No. of seats 2

Track: Front 56.3 (inches) Rear 57.0 (inches)

Wheelbase 98.0 (inches) Ground clearance 5.0 (inches)

Overall weight with water, oil and spare wheel, but without fuel 2700 lb.

*(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.^{2}

Size of exhaust port:
Length measured around cylinder wall _____ m.m.
Height _____ m.m. Area _____ m.m.^{2}

Size of transfer port:
Length measured around cylinder wall _____ m.m.
Height _____ m.m. Area _____ m.m.^{2}

Size of piston port:
Length measured around piston _____ m.m.
Height _____ m.m. Area _____ m.m.^{2}

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 preceeding information:-

1. Axles - 3.08:1, 3.36:1, 3.55:1, 3.70:1, 4.11:1, 4.56:1

2. 20 Gallon Tank

3. 6.70 x 15 tires

4. 15 x 5.5K Steel wheels

5. Special performance equipment
   Front suspension (stabilizer bar, shock absorbers, front springs)
   Rear suspension (spring, shock absorbers)
   15 x 6L aluminum wheel
   Brakes with provisions for cooling, power, divided output
   Master cylinder, metallic linings

6. Off-Road exhaust equipment