

FIA NO. 3070

GROUP 3

Telephone (202) 833-9133



Cable Address: "ACCUSFIA" Washington, D.C.
Telex: 89-428 ACCUS WSH

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

Suite 302, 1725 K St. N.W., Washington, D.C. 20006

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE
FORM OF RECOGNITION**

In Accordance with Appendix "J" of the International Sporting Code

Cylinder Capacity 5735 cm³ 350 in³

Manufacturer Chevrolet Motor Div., GMC Model Vega Monza 2 + 2 1HR07

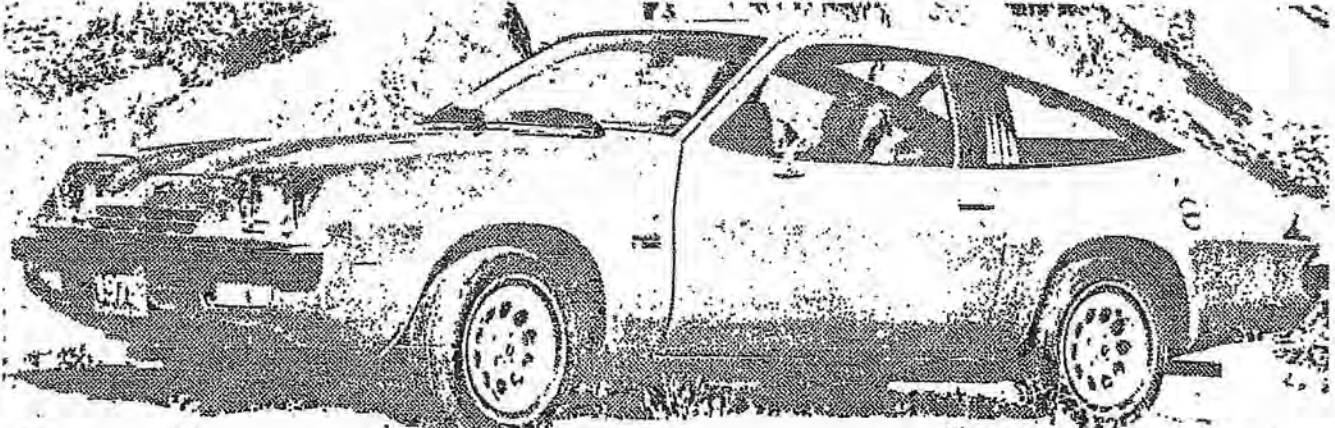
Serial # Chassis 1R 07 A 52 100001 Manufacturer Chevrolet Motor Div., GMC

Serial # Engine T (Date) Car Manufacturer Chevrolet Motor Div., GMC

Recognition valid from 1.7.75 List _____

The manufacturing of the model described in this recognition form was started on August 19, 1974 and the minimum production of 5,000 identical cars, in accordance with the specifications of this form, was reached on October 1, 1974

A 3/4 Front View Car *

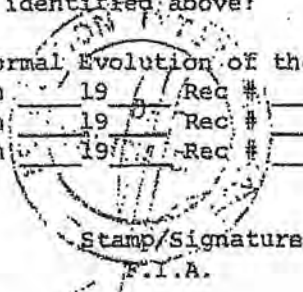


The following amendments apply to the vehicle identified above:

Variants			
on <u>19</u>	Rec # _____	list _____	
on <u>19</u>	Rec # _____	list _____	
on <u>19</u>	Rec # _____	list _____	

Normal Evolution of the Type			
on <u>19</u>	Rec # _____	list _____	
on <u>19</u>	Rec # _____	list _____	
on <u>19</u>	Rec # _____	list _____	

Stamp/Signature of
National Sporting Authority



MAKE Chevrolet

MODEL Monza 2 + 2

FIA REC # 3070

IMPORTANT - Underlined items must be filled in, in both metric and English values.
See Conversion Table below. SEE PAGE 10 FOR EXPLANATION OF SYMBOLS.

CAPACITIES AND DIMENSIONS

• <u>Wheelbase:</u>	2463.8	mm	97.0	inches
• <u>Front track:</u>	1389.38	mm	54.7	inches (1)
• <u>Rear track:</u>	1361.44	mm	53.6	inches (1)
• Overall length of car	455.422	cm	179.3	inches
• Overall width of car (at widest point)	166.12	cm	65.4	inches
a Overall width of car (at vertical plane through front wheels)	167.4	cm	65.9 ± .5	in
b Overall width of car (at vertical plane through rear wheels)	167.6	cm	66.0 ± .5	in
• Overall height of car	127.51	cm	50.2	inches
• <u>Capacity of fuel tank</u> (reserve included)	70 approx.	Litres	18.5 approx.	U.S.Gals.
• Seating capacity:	Four (4)			
• <u>Weight</u> - Total weight of vehicle with normal equipment described on homologation sheet, all required lubricants and coolants and one spare wheel and tire, but without fuel or repair tools	1195	kg	2634	lbs

1) Specify ground clearance Front and Rear corresponding to Front and Rear track measurements shown above. Indicate by sketch below reference points on chassis or suspension where these dimensions are checked. These specifications are for the purpose of checking the track with specified wheel rim size with the suspension at reference setting. Differences in track resulting from use of different rim widths must be shown with suspension at reference setting. A sketch showing the rim widths superimposed is desirable.

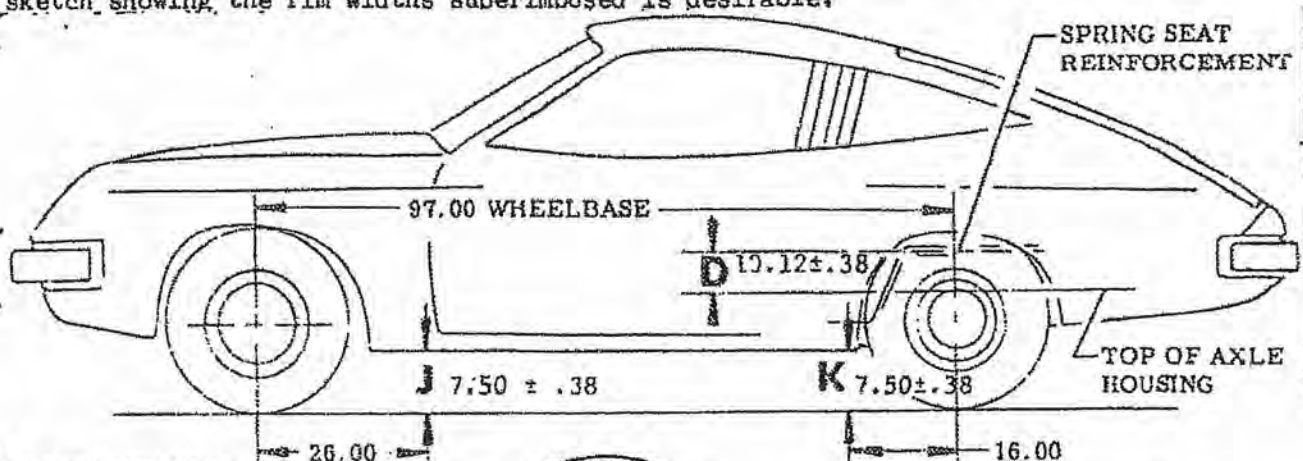


TABLE OF CONVERSIONS

1 inch	-----	2.54	cm
1 foot	-----	30.4794	cm
1 square inch	-----	6.452	cm ²
1 cubic inch	-----	16.387	cm ³

1 pound	-----	453.593	gr
1 quart U.S.	-----	0.9464	ltrs
1 pint U.S.	-----	0.473	ltrs
1 gallon U.S.	-----	3.785	ltrs



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MODEL Monza 2 + 2

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CHASSIS AND BODYWORK (Photos A, B and C)

- Chassis/body construction: ~~(separate)~~ (unit construction)
- Unit construction: material steel
- Separate construction: material of chassis
- Material of body: steel
- Number of doors: two (2) Material: steel
- Material of hood: steel
- Material of trunk lid: steel
- Material of rear window: safety plate glass
- Material of windshield: laminated safety glass
- Material of front door windows: safety plate glass
- Material of rear door windows: none
- Windows, actuating system: crank and linkage
- Material of rear quarter window: safety plate glass

ACCESSORIES AND UPHOLSTERY

- 3. Heating, interior: (yes) (no) optional
- 9. Air conditioning: (yes) (no) optional
- 0. Ventilation: (yes) (no) optional
- 1. Seats, front: Type of seat and upholstery fabric and vinyl
- 2. Seats, front: Weight (complete with supports and rails out of car) 17.48 kg 38.5 lbs
Check: Bench _____ Bucket x Console included _____
- 3. Seats, rear: Type of seat and upholstery
- 4. Bumper, front: Material: aluminum Weight: 8.99 kg 19.811 lbs
- 5. Bumper, rear: Material: aluminum Weight: 5.84 kg 12.863 lbs

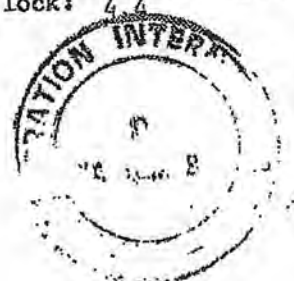
WHEELS

- 50. Type: pressed steel (optional forged aluminum) optional wheel 5.45 kg 12.0 lbs
- 51. Weight: (per wheel, without tire) 7.04 kg 15.500 lbs
- 52. Method of attachment: four (4) nuts
- 53. Rim diameter: 330.2 mm 13.0 inches
- 54. Rim width: 152.4 mm 6.0 inches



STEERING

- 60. Type: recirculating ball - worm and sector - linkage
- 61. Servo-assistance: (yes) (no) optional - hydraulic, engine driven pump
- 62. Number of turns of steering wheel from lock to lock: 4.4
- 63. In case of servo-assistance: 2.82



MAKE Chevrolet

MODEL Monza 2 + 2

FIA REC # 307D

SUSPENSION

70. Front suspension (Photo D) type: independent - control arms with steering knuckle
 71. Type of spring: coil
 72. Stabilizer (if fitted): torsion bar and linkage
 73. Number of shock absorbers: one (1) per wheel
 74. Type: tubular - direct acting
78. Rear suspension (Photo E) type:
 79. Type of spring:
 80. Stabilizer (if fitted): torsional bar
 81. Number of shock absorbers: one (1) per wheel
 82. Type: tubular - direct acting

BRAKES (Photos F and G)

90. Method of operation: hydraulic
 91. Power assisted (if fitted,) type: vacuum diaphragm
 92. Number of master cylinders: one (1) dual system

	<u>Front</u>		<u>Rear</u>	
	one (1)		one (1)	
93. Number of cylinders per wheel:	47.625 mm	1.875 in	19.05 mm	0.75 in
94. Bore of wheel cylinder:				
<u>Drum Brakes:</u>				
95. Inside diameter:	-- mm	-- in	228.6 mm	9.0 in
96. Length of brake linings:	-- mm	-- in	233.172 mm	9.18 in
97. Width of brake linings:	-- mm	-- in	30.48 mm	1.20 in
98. Number of shoes per brake:				two (2)
99. Total area per brake:	-- mm ²	-- in ²	-- mm ²	-- in ²
<u>Disc Brakes:</u>				
100. Outside diameter	250.95 mm	9.88 in	-- mm	-- in
101. Thickness of disc:	12.7 mm	0.50 in	-- mm	-- in
102. Length of brake linings:	101.6 mm	4.00 in	-- mm	-- in
103. Width of brake linings:	40.64 mm	1.60 in	-- mm	-- in
104. Number of pads per brake:		two (2)		
105. Total area per brake:	-- mm ²	-- in ²	-- mm ²	-- in ²



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ENGINE (Photos J and K)

- * 130. Cycle: Four (4)
- * 131. Number of cylinders: Eight (8)
- * 132. Cylinder arrangement: 90° V-8 Wankel: # of elements & basic dimensions-
- * 133. Bore: 101.6 mm 4.00 inches
- * 134. Stroke: 88.39 mm 3.48 inches
- * 135. Capacity per cylinder: 716.9 cm³ 43.75 cu in
- * 136. Total cylinder capacity: 5735 cm³ 350 cu in

- * 137. Material of cylinder block: cast iron
- * 138. Material of sleeves (if fitted): none
- * 139. Cylinder head material: cast iron Number fitted: two (2)
- * 140. Number of inlet ports: eight (8)
- * 141. Number of exhaust ports: eight (8)
- SP)142. Compression ratio: 8.5:1 (N)
- SP)143. Volume of combustion chamber: 75.18cm³ 4.58 cu in
- SP)144. Piston, material: Aluminum Alloy
- SP)145. Number of rings:
- SP)146. Distance from gudgeon pin centre line to highest point of piston crown: 39.62 mm 1.56 ± .02inches

- * 147. Crankshaft: (cast) (forged)
- * 148. Crankshaft, type: (integral) (sections)
- * 149. Crankshaft, number of main bearings:
- * 150. Material of bearing cap: Cast Iron
- 151. System of lubrication: (dry sump) (oil in sump)
- 152. Lubricant capacity: 4.732 litres 10.0 pints 5.0 quarts U.S.
- SP)153. Oil cooler: (yes) (no)
- * 154. Method of engine cooling: liquid
- 155. Capacity of cooling system: 15.14 litres 32.0 pints 16.0 quarts U.S.
- SP)156. Cooling fan (if fitted) diameter: 45.72 cm 18.0 inches
- SP)157. Number of blades of cooling fan: Four (4)

BEARINGS

- * 158. Crankshaft, main, type: Diameter: 62.170 mm 2.448 inches
- * 159. Connecting rod, big end, type: Diameter: 53.31 mm 2.099 inches

WEIGHTS

- SP)160. Flywheel (clean): 13.74 kg 30.31 lbs
- SP)161. Flywheel with clutch (all rotating parts): 23.34 kg 51.455lbs
- SP)162. Crankshaft: 28.98 kg 63.88 lbs
- SP)163. Connecting Rod: .88 kg 1.950lbs
- SP)164. Piston with rings and pin: .778 kg 1.717lbs



MAKE Chevrolet

MODEL Monza 2 + 2

FIA REC # 3070

350 cu. in. engine

OUR CYCLE ENGINES

- 70. Number of camshafts: one (1)
- 71. Location of camshaft: Engine Block
- 72. Type of camshaft drive: Gear and Chain
- 73. Type of valve operation: Push Rod and Rocker Arm

INLET (see Photo P) +

- 80. Material of inlet manifold: Aluminum Alloy
- 81. Overall diameter of valves: 49.403 mm 1.945 inches
- 82. Maximum valve lift: 9.906 mm .390 inches
- 83. Number of valve springs: One (1) plus Damper
- 84. Type of spring: Coil
- 85. Number of valves per cylinder: One (1)
- 86. Tappet clearance for checking timing (cold) 0 mm 0 inches
- 87. Valves open at (with tolerance for tappet clearance indicated): 52° BTC
- 88. Valves close at (with tolerance for tappet clearance indicated): 114° ABC
- 89. Air filter: (wet) (dry) Cartridge type: (yes) (no)

EXHAUST (see Photo Q)

- 195. Material of exhaust manifold: Cast Iron
- 196. Overall diameter of valves: 38.227 mm 1.505 inches
- 197. Maximum valve lift: 10.414 mm .410 inches
- 198. Number of valve springs: One (1) plus Damper
- 199. Type of spring: Coil
- 200. Number of valves per cylinder: One (1)
- 201. Tappet clearance for checking timing (cold) 0 mm 0 inches
- 202. Valves open at (with tolerance for tappet clearance indicated): 98 BBC
- 203. Valves close at (with tolerance for tappet clearance indicated): 62 ATC
- 204. Inside diameter of exhaust manifold outlet:

CARBURETION (see Photo N)

- 210. Number of carburetors fitted: One (1)
- 211. Type: Downdraft
- 212. Make: Rochester
- 213. Model: 7041112
- 214. Number of mixture passages per carburetor: Two (2)
- 215. Flange hole diameter of exit port of carburetor: 31.75 mm 1.25 inches
- 216. Depending on type of carburetor, indicate: diameter at throat of venturi/s at the plane of maximum restriction. Dimension of mixture passage at the point of maximum restriction with the piston in its maximum open position (example SU type): 27.69 mm 1.09 inches

+ For additional information concerning two-stroke engines and supercharged engines, add supplementary page



KE Chevrolet

MODEL Monza 2 + 2
350 cu. in. Engine

FIA REC # 3070

INJECTION (if fitted) N. A.

- 10. Make of pump: _____
- 12. Model or type of pump: _____
- 14. Location of injectors: _____
- 15. Minimum diameter of inlet pipe: _____ mm _____ inches
- 221. Number of plungers: _____
- 223. Total number of injectors: _____

ENGINE ACCESSORIES

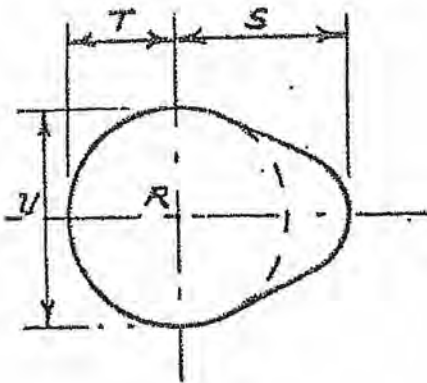
- 10. Fuel pump: ~~mechanical~~ and/or electrical
- 11. Number fitted: One (1)
- 12. Type of ignition system: Coil and Breaker Points
- 13. Number of distributors: One (1)
- 14. Number of ignition coils: One (1)
- 15. Number of spark plugs per cylinder: One (1)
- 16. Generator type: (dynamo) (alternator) Number: One (1)
- 17. Method of drive: Belt & Pulley
- 18. Voltage of generator: 12.0
- 239. Battery, number: One (1)
- 10. Location of battery: Engine Compartment
- 11. Voltage of battery: 12.0 volts



ENGINE & CAR PERFORMANCE (as declared by manufacturer in catalog)

- 50. Horsepower, maximum engine output: 125 @ _____ at: 3600 rpm
(indicate SAE or DIN)
- 51. Maximum rpm: N.A. (SP) Output at that figure: _____
- 52. Maximum torque: 235 at: 2000 rpm
- 53. Maximum speed: N.A. km/hour N.A. miles/hour

55. CAM



(SP) Inlet cam

S =	22.93	mm	.903	inches
T =	16.33	mm	.643	inches
U =	32.66	mm	1.286	inches

(SP) Exhaust cam

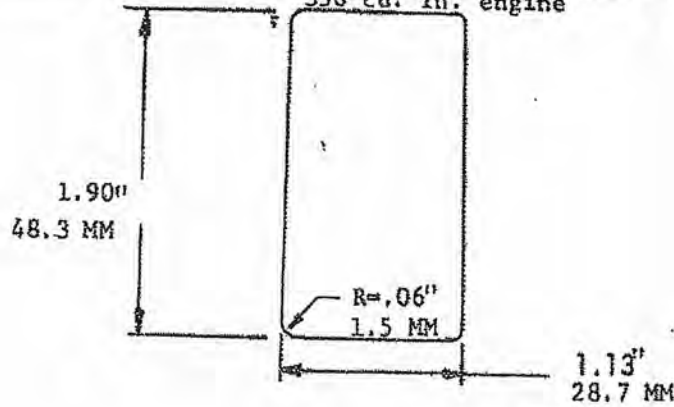
S =	22.91	mm	.902	inches
T =	15.97	mm	.629	inches
U =	31.95	mm	1.258	inches

E Chevrolet

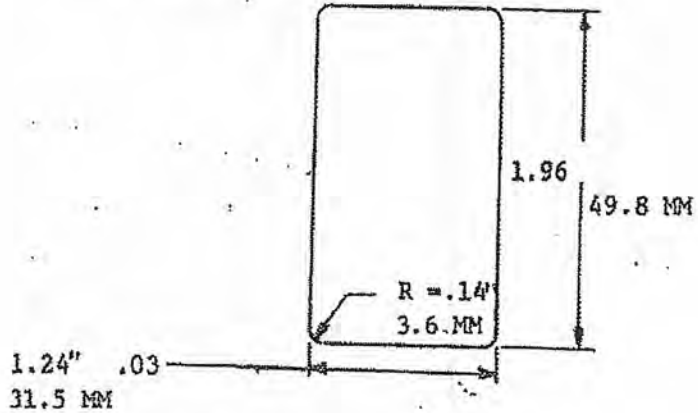
MODEL Monza 2 + 2
350 cu. in. engine

FIA REC # 3070

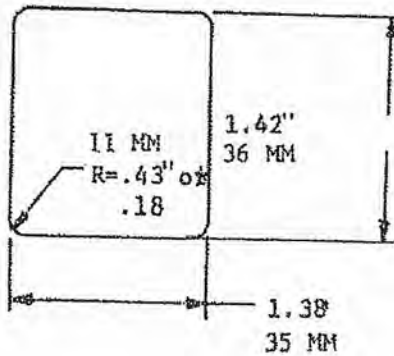
wing inlet
fold ports,
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3. Indicate
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manufacturing
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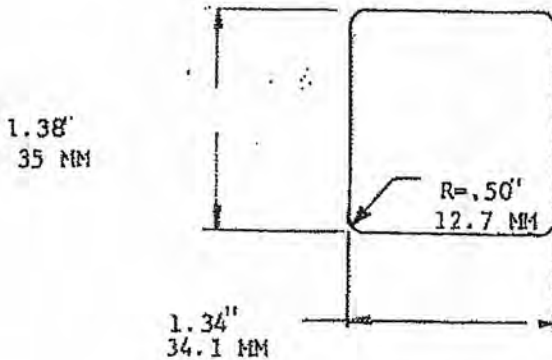
ring of entrance
inlet port of
cylinder head. Indi-
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ing exhaust
fold ports,
of cylinder
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manufacturing
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ing of exit to
inlet port of
cylinder head.
Indicate scale or
dimensions and
manufacturing
rance.



MAKE Chevrolet MODEL Monza 2 + 2 FIA REC. # 3070

IMPORTANT - For cars engaged in Group 2 (Special Touring) and Group 4 (Special Grand Touring) conformity with characteristics identified by symbol (SP) and entire page 8 IS NOT REQUIRED.

For cars engaged in Group 5 (Sport) only the characteristics identified by asterisks (*) need be verified.

EQUIPMENT AND ACCESSORIES available as options or production installed must indicate the part number of the option and the item number affected.

NOTE: All options shown on pages 14-19 are Group 4 Only.

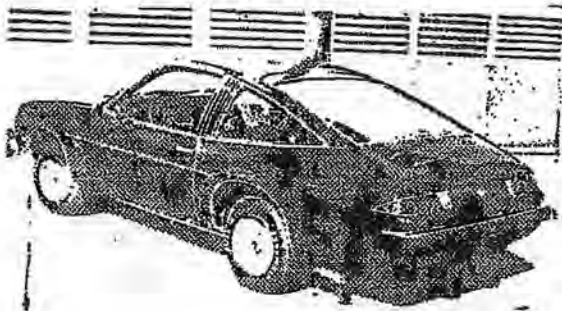


MAKE Chevrolet

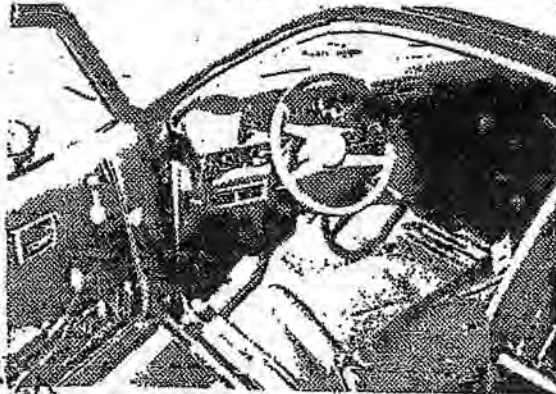
MODEL Monza 2 + 2

FIA REC # 3070

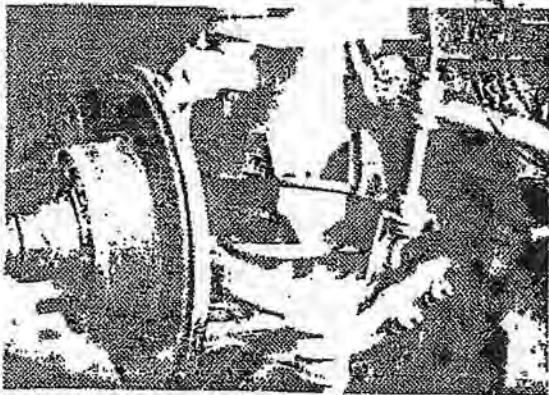
B 3/4 REAR CAR *



C INTERIOR CAR



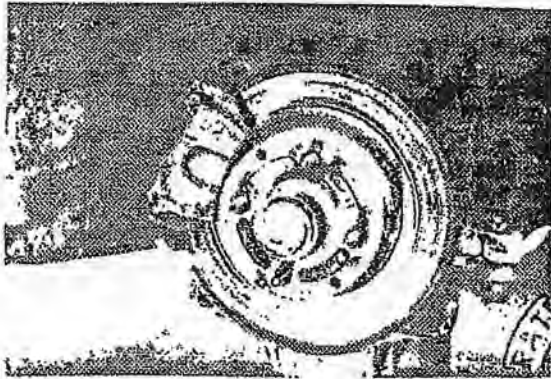
D FRONT AXLE *



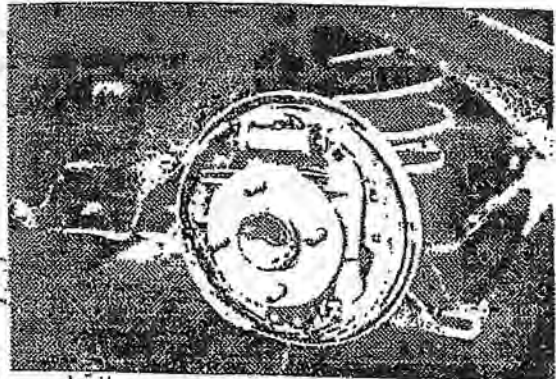
E REAR AXLE *



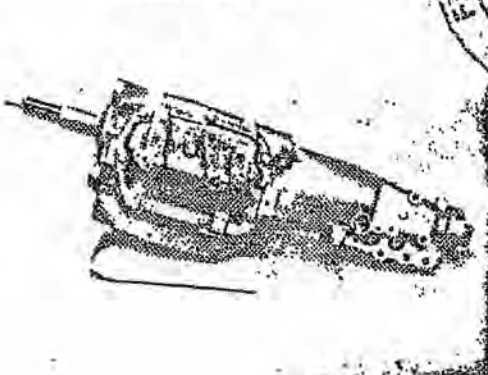
F BRAKE, FRONT *



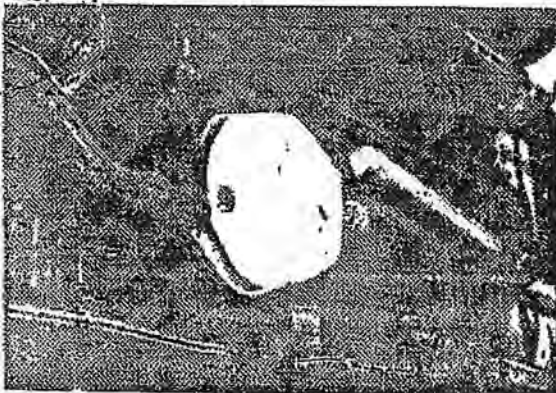
G BRAKE, REAR *



H GEAR BOX *



I EXHAUST SYSTEM



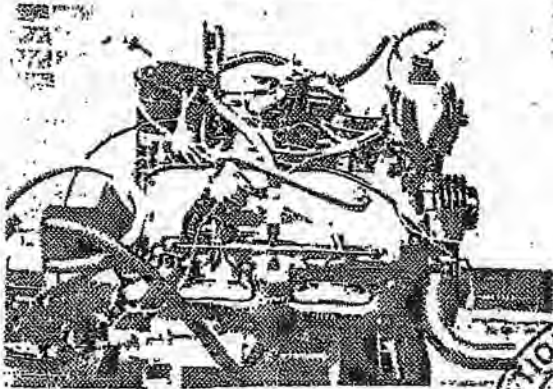
MAKE Chevrolet

MODEL Monza 2 + 2

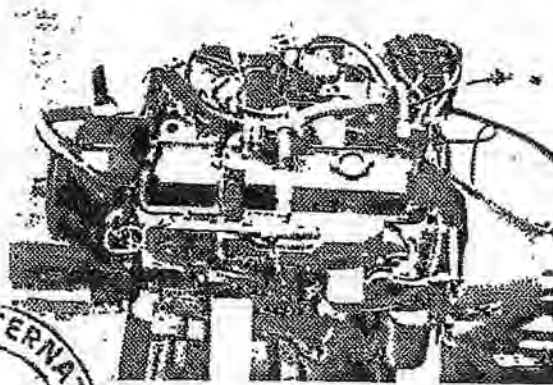
FIA REC. # 3070

350 cu. in. engine

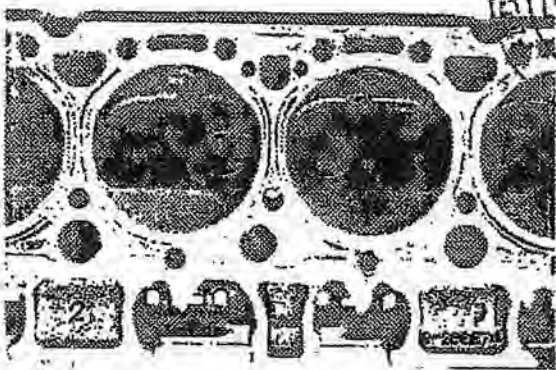
J ENGINE RIGHT *



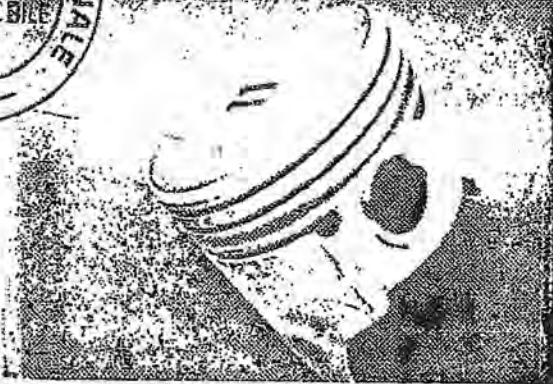
K ENGINE LEFT *



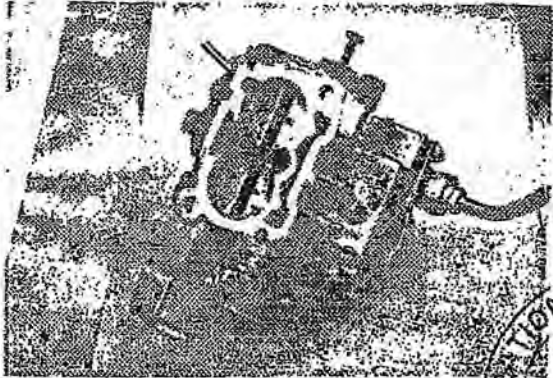
L COMBUSTION CHAMBER



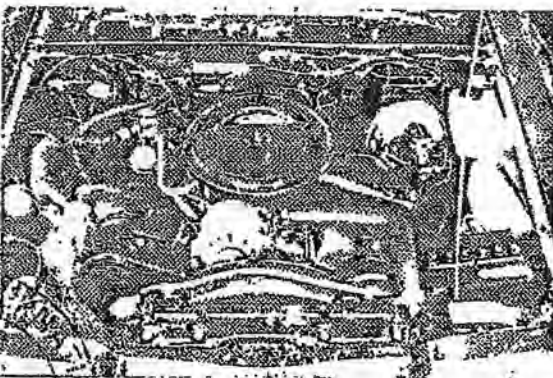
PISTON TOP



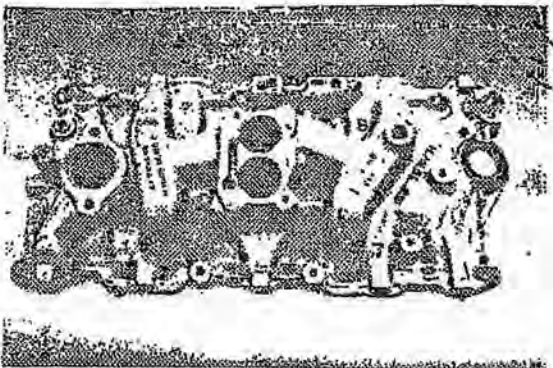
N CARBURETOR



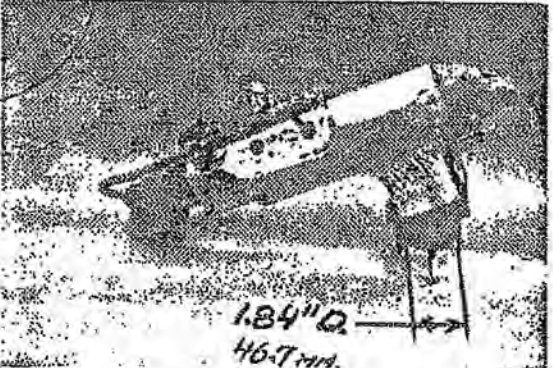
O ENGINE IN PLACE *

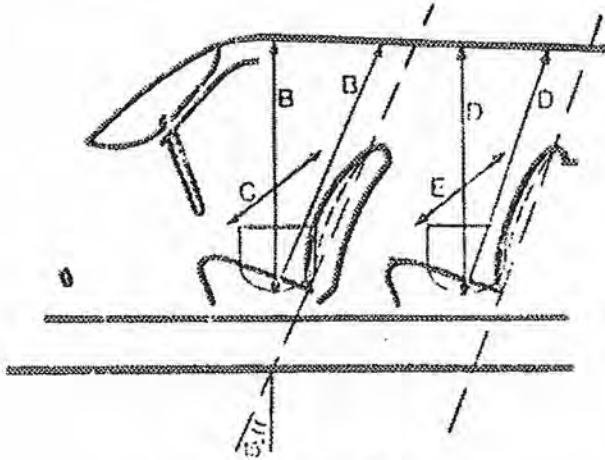


P MANIFOLD INLET

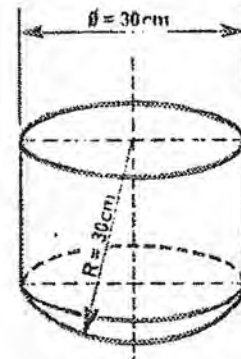


MANIFOLD EXHAUST





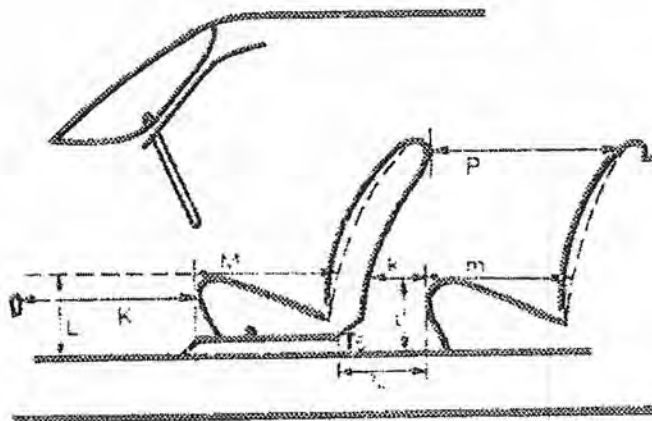
Dessin drawing No. 1



Weight/tare 60 kgs + 200 grms.

Dessin drawing No. 2

Dimension	Inches	MM	
B =	37.7	957.58	+
C =	47.5	1206.5	+
D =	35.8	896.62	+
E =	47.6	1208.5	+



Dessin drawing No. 3

Dimension	Inches	MM	Dimension	Inches	MM	
L =	10	254	l =	3.5	241	+
M =	21.0	533	m =	17.0	434	-
K =	19.0	483	k =	11.0	279	-
P =	23.5	596				

STAMP

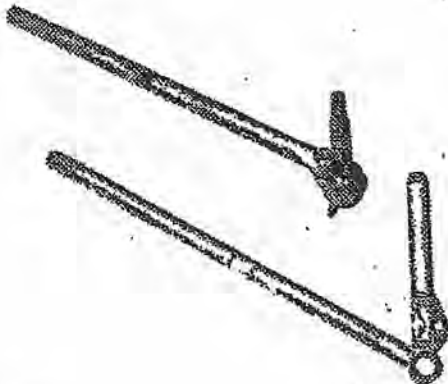
STAMP

MAKE Chevrolet

Model Monza 2 + 2

REC. NO. 3070 /IV

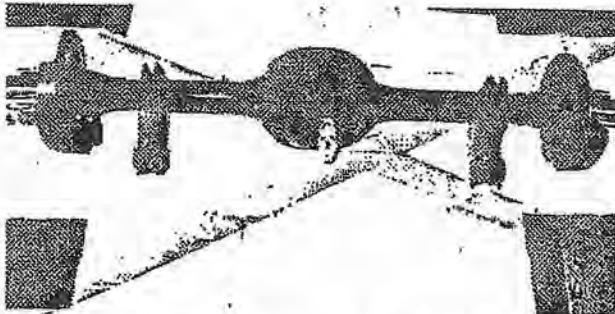
Group 4 only



Item #70

Front Suspension Control Arm

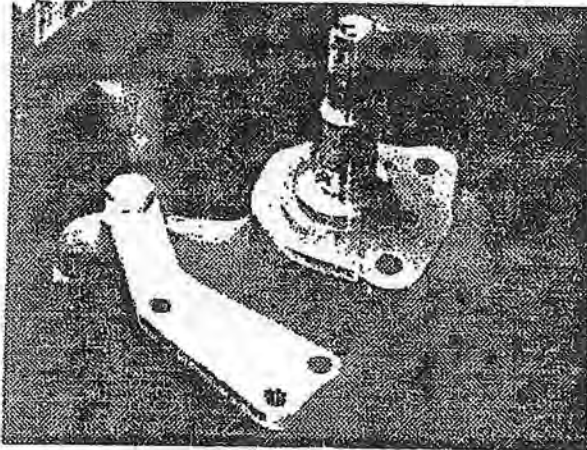
Part #DK4012 Upper
DK4013/14 Lower



Item #290

Rear Axle Asm.

Part #DK5020

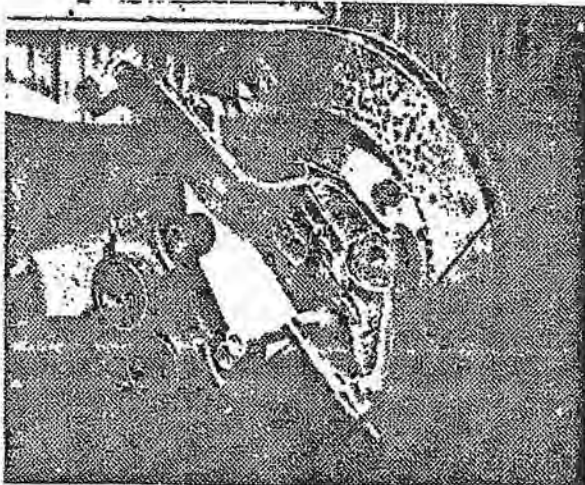


"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Item #70

Steering Knuckle and Spindle

Part #AMP 1001 Spindle
AMP 1002 Caliper Bracket



Item #100

Front Brake and Knuckle Asm.

Part #DK4010



MAKE Chevrolet Vega MODEL Monza 2 + 2 REC. NO. 3070 v 1/IV

GROUP 4 ONLY

Photograph F
Steering Knuckle, Hub and Brake Asm.

P/N O-352933 LH
O-352934 RH

"valable en Groupe 4 uniquement"
"valid for Group 4 only"



Steering Knuckle Asm.

P/N O-375565 LH
O-375566 RH



Photograph E

Rear Axle Assem

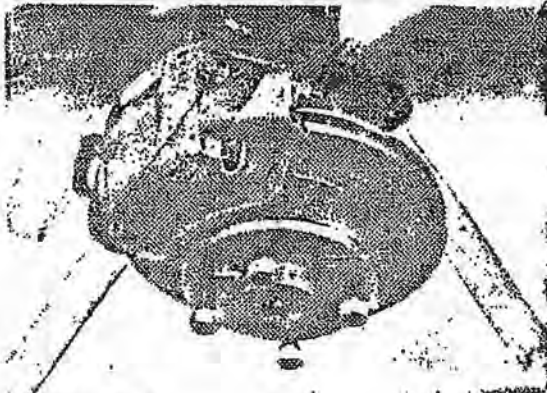
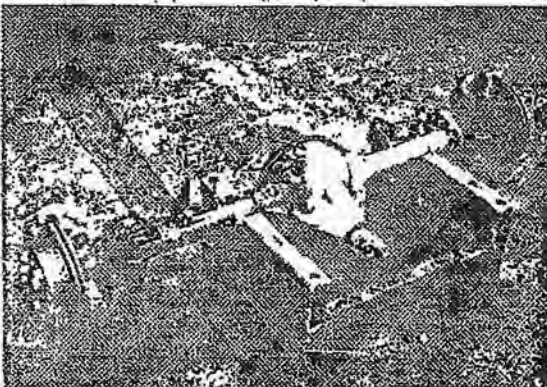
P/N O-352



Photograph G

Rear Axle Disc Brake Assembly

P/N O-352951 LH
O-352952



STAMP

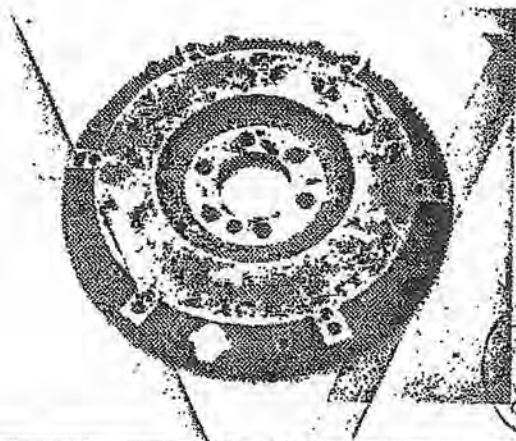
STAMP

MAKE Chevrolet

Model Monza 2 + 2

REC. NO. 3070 v 11W

Group 4 only

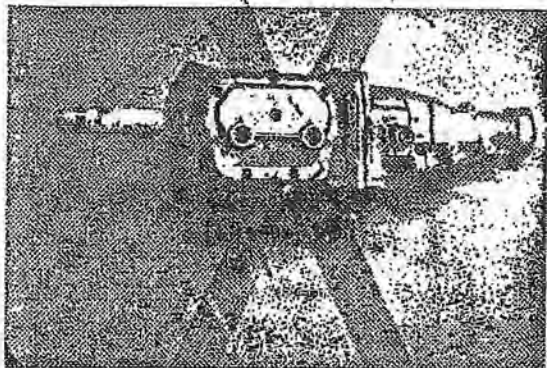


Item #160

Flywheel Asm.

P/N 3991406

RPO L-88 Weight = 14.0 lbs.



Item #270

Transmission Asm.

P/N 6271517

RPO M-22

Aluminum Case Muncie 4 Speed

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

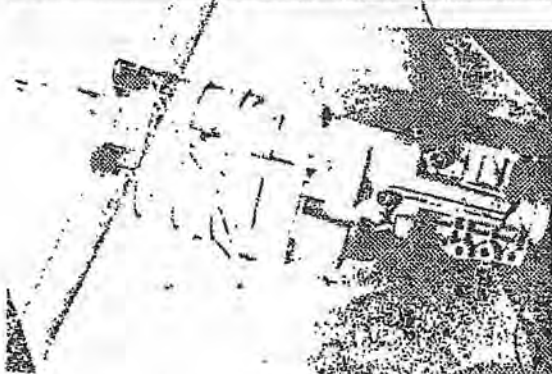
Item #270

Transmission Asm.

P/N 342451

W.G 31-38-000-002

Borg-Warner 5 Speed

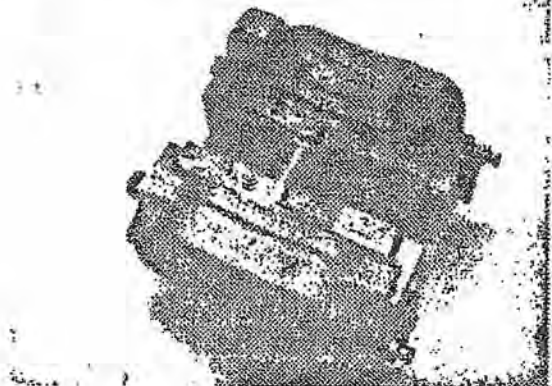


Item #100

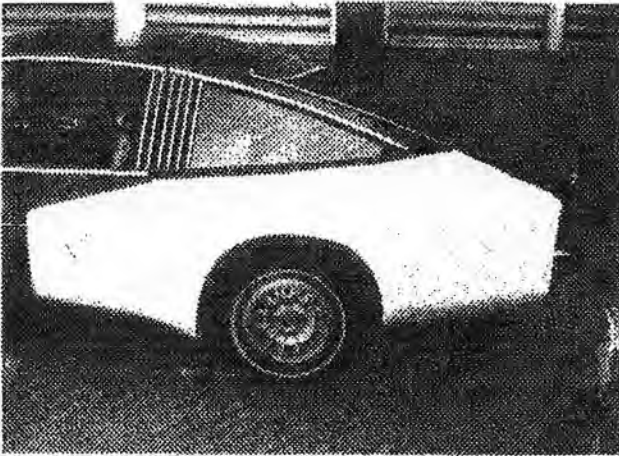
Brake Caliper Asm.

CP2271-48/49 Front

CP2301 Rear



GROUP 4 ONLY



Item #23

Rear Fender Extension installed on vehicle

P/N 3965791 (RH)
3965792 (LH)



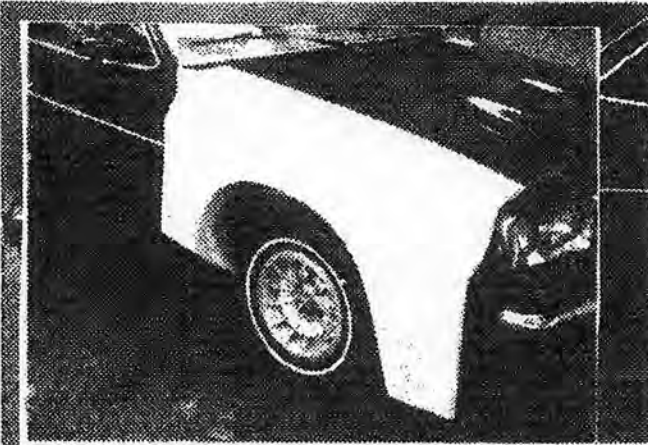
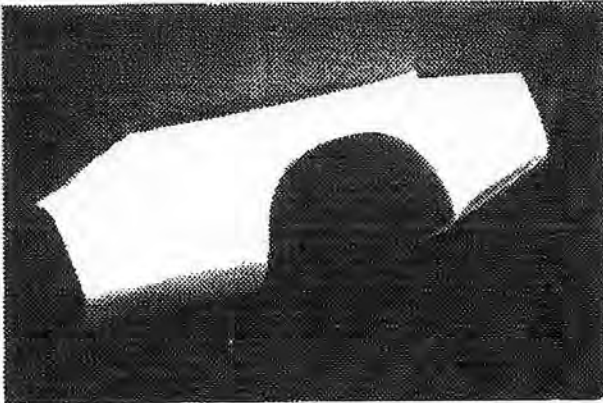
"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Item #23

Rear Fender Extension

P/N 3965791 (RH)
3965792 (LH)

Material - Glass Reinforced Plastic



Item #23

Front Fender Extension installation on vehicle

P/N 3965779 (RH)
3965780 (LH)

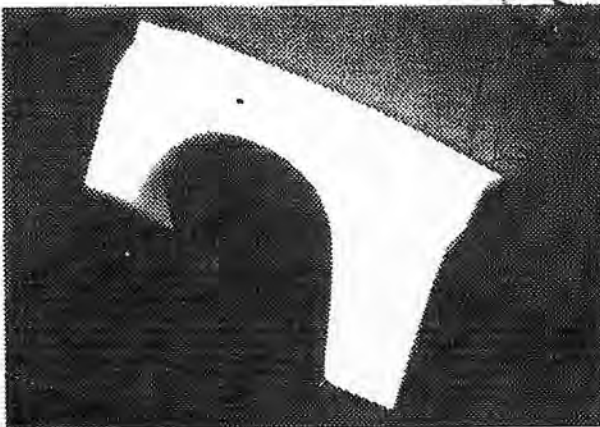


Item #23

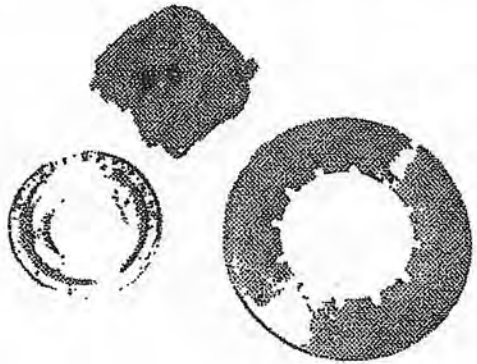
Front Fender Extension

P/N 3965779 (RH)
3965780 (LH)

Material - Glass Reinforced Plastic



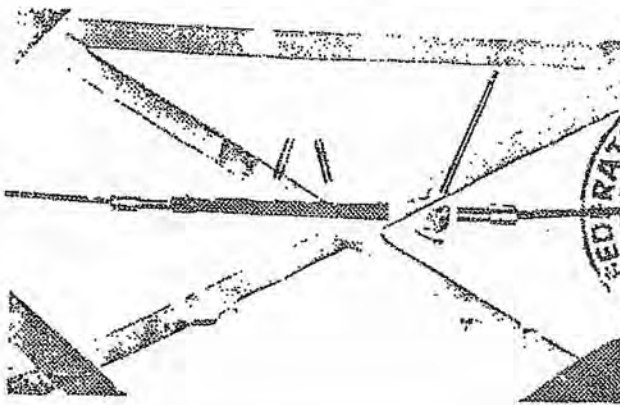
KE Chevrolet Model Monza 2 + 2 REC. NO. 1/IV 3070
Group 4 only



Item #100

Brake Caliper Asm.
CP 2279 Front

Bracket Rotor
CP2261-14/17 Front

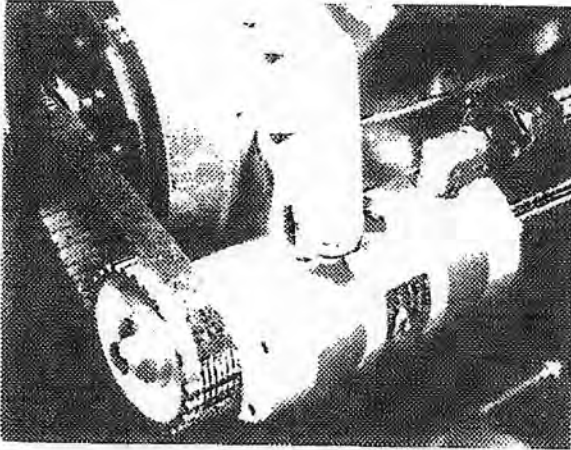


"valable en Groupe 4 uniquement"
"valid for Group 4 only"

MAKE Chevrolet MODEL Monza 2 + 2 REC. NO. 1/1U v 3070

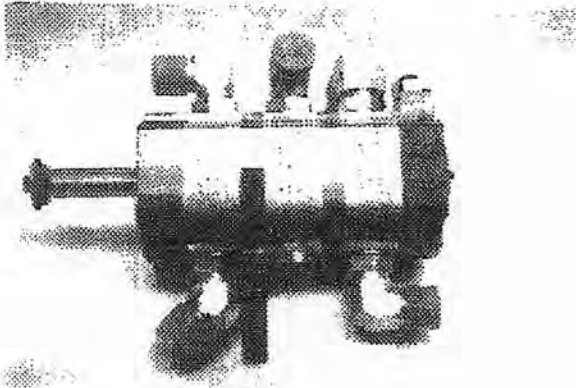
Group 4 only

Item 151 Lubrication System - Dry Sump

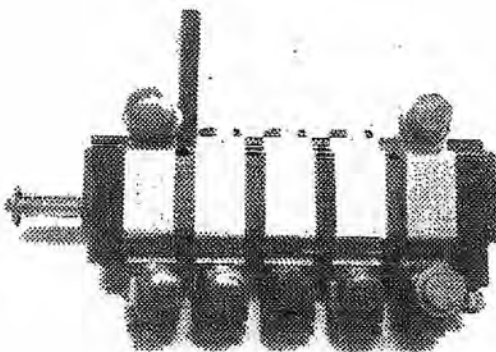


Aviaid Metal Products
Three Stage Pump Unit
P/N 3965770

"Available on Group 4 uniquement"
"Available for Group 4 only"



Weaver Brothers
Three Stage Pump Unit
P/N 3965759



Weaver Brothers
Five Stage Pump Unit
P/N 3965773



Automobile Competition Comm.
For The U.S., FIA, INC.
1725 "K" St., N.W., Suite 302
WASHINGTON, D. C. 20006

FIA Homologation No. 3070

2/20

FEDERATION INTERNATIONALE DE L'AUTOMOBILE
DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Chevrolet Model Monza 2 + 2 LH07
Serial numbers initiating the modifications described below: Chassis/Body 1R 07 A 52 1000001
Engine T (Date) Car
Date of production of first vehicles incorporating modifications: Feb. 19 75
Designation of vehicles incorporating modifications: Monza 350
This homologation extension is to be considered as a: VARIANT (Option) Variant
NORMAL EVOLUTION OF TYPE
(Replaces previous design)
This Homologation is valid from 1. 7 19 75 List _____

DESCRIPTION OF MODIFICATIONS:

GROUP 4 ONLY

Alternative 5 ratio Gear Box Part No. 342451
W. G. 13-38-000-002

Ratio	No. Teeth
1. 3.41:1	$\frac{35}{26} \times \frac{38}{15}$
2. 2.08:1	$\frac{35}{26} \times \frac{34}{22}$
3. 1.39:1	$\frac{35}{26} \times \frac{27}{26}$
4. 1.00:1	Direct
5. 0.80:1	$\frac{35}{26} \times \frac{22}{27}$
Reverse 3.36:1	$\frac{35}{26} \times \frac{35}{19}$



"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Signature & Stamp of
National Sporting Authority





FIA Homologation No. 3070

3/1E

Automobile Competition Comm.
For The U.S., FIA, INC.
1725 "K" St., N.W., Suite 302
WASHINGTON, D. C. 20006

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

DOCUMENT OF HOMOLOGATION EXTENSION
IN CONFORMITY WITH APPENDIX J OF THE INTERNATIONAL SPORTING CODE

Make Chevrolet Model Vega Monza 2-2 1HR07

Chassis/Body 1R 07 A 52 100001

Engine T (Date) Car

Date of production of first vehicles incorporating modifications: 19 August 19 74

Designation of vehicles incorporating modifications: _____

This homologation extension is to be considered as a: ~~VARIANT OPTION~~ ERRATA

NORMAL EVOLUTION OF TYPE
(Replaces previous design)

Homologation is valid from 1 July 19 75 List 1975/7 3/1E

DESCRIPTION OF MODIFICATIONS:

ERRATA: Correction of dimensions of Drawing No. 3, Page 13, to exact dimensions upon use of standard mass of 60 kg.

Signature & Stamp of
International Sporting Authority

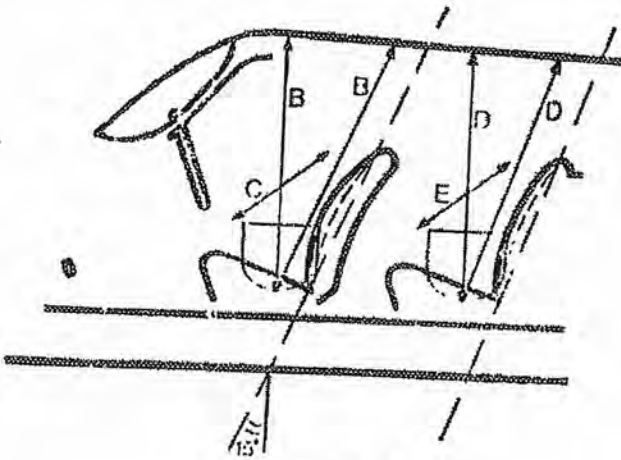
Signature & Stamp
of the F.I.A.

MAKE Chevrolet Monza 2+2

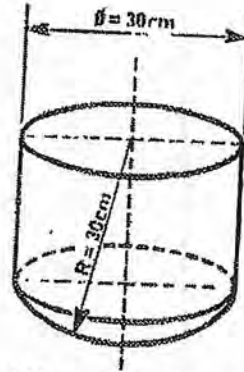
MODEL 1HR07

FIA REC NO. 3070

3/1E

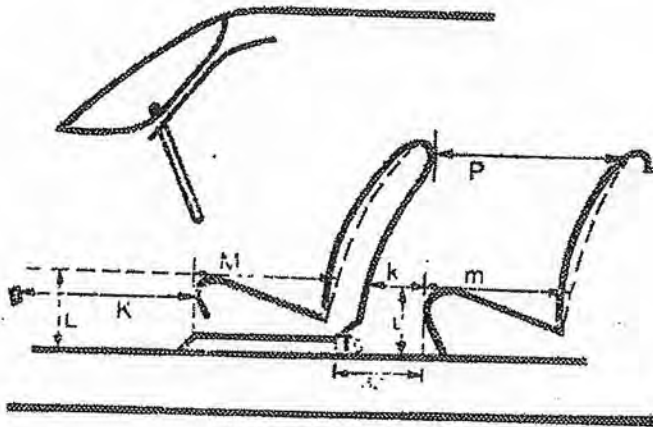


Dessin/drawing No. 1



Weight/tare 60 kgs + 200 grams.
Dessin/drawing No. 2

Dimension	Inches	MM
B =	<u>37.7</u>	<u>957.58</u>
C =	<u>47.5</u>	<u>1206.5</u>
D =	<u>35.3</u>	<u>896.62</u>
E =	<u>47.6</u>	<u>1209</u>



Dessin/drawing No. 3

Dimension	Inches	MM	Dimension	Inches	MM
L =	<u>10.75</u>	<u>273.05</u>	l =	<u>10.1</u>	<u>256.54</u>
M =	<u>21.0</u>	<u>533.4</u>	m =	<u>17.95</u>	<u>455.93</u>
K =	<u>17.0</u>	<u>431.8</u>	k =	<u>11.75</u>	<u>298.45</u>
P =	<u>27.0</u>	<u>685.8</u>			

STAMP

STAMP