THE AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA INC.
515 MADISON AVENUE
TEL: ELdorado 5-0900 NEW YORK 22, N. Y. 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 VL2 F.I.A. Recognition No. 1332

Manufacturer Dodge Division - Chrysler Corporation

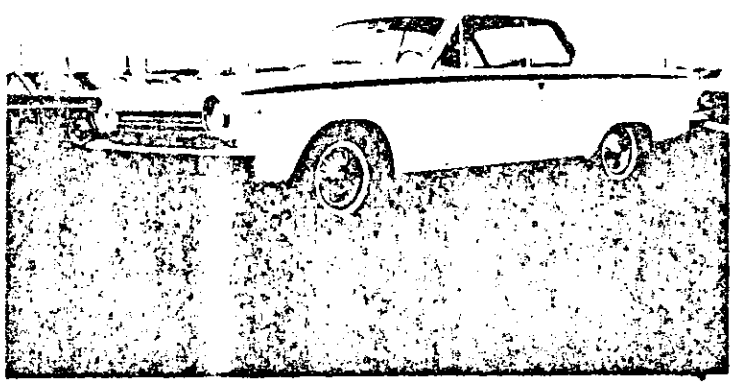
Model Dart Year of Manufacture 1964

Serial No. of Chassis starts with LIxxxxxxxx, L3xxxxxxxx, L4xxxxxxxx,
Engine starts with V-273

Type of Bodywork 2 Dr. Sedan

Recognition is valid from 11/7/64 In Category Touring X
or Grand Touring

Ext 2/11

(Photograph  .)

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

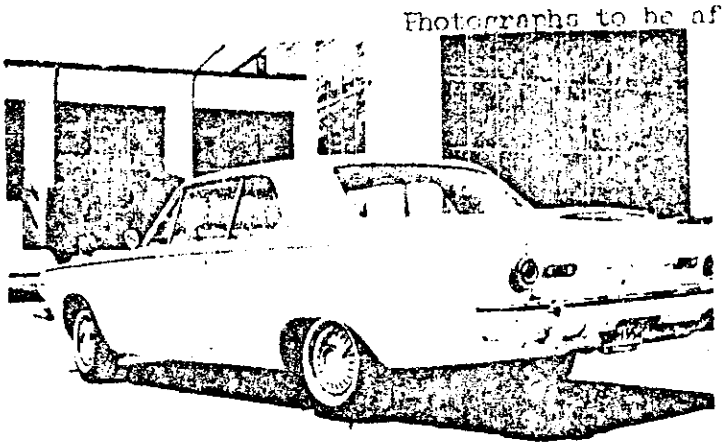
Stamp of ACCUSFIA, INC. to be affixed here.

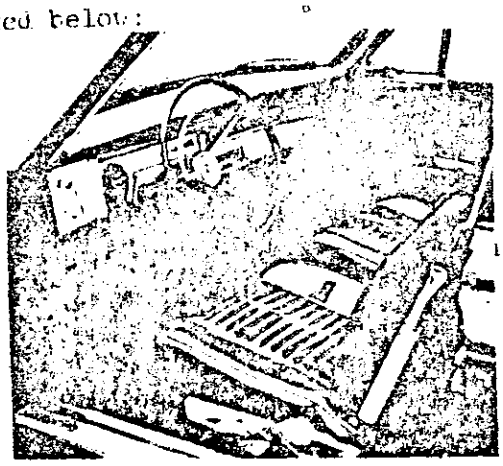
Signed

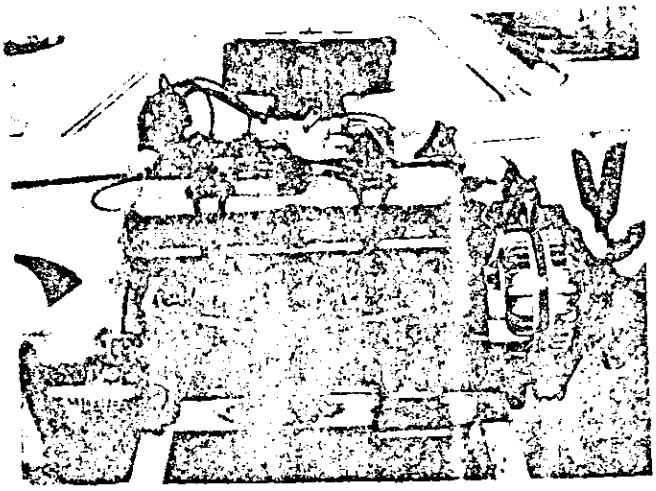
ka 11 1932

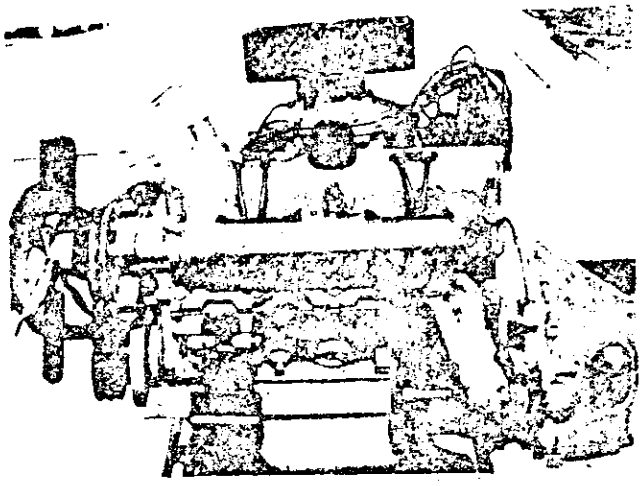
General description of car: (specifying materials of Body-work) Two door body shell of "unit construction with chassis." All major body and chassis panels are of pressed steel and are welded or bolted together. Grill and grill frame are aluminum. Other trim items are either stainless steel, aluminum or die castings.

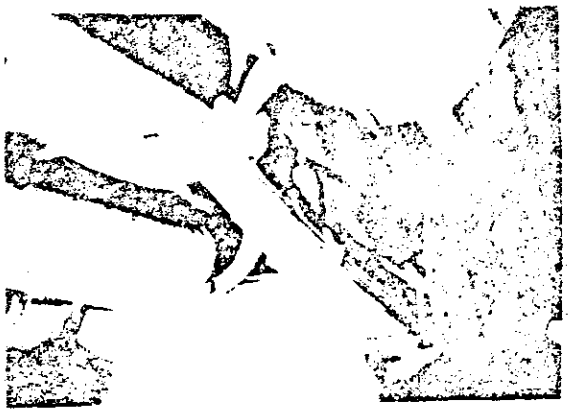
Photographs to be affixed below:











Rec'd 1357

ENGINE

No. of cylinders * 8 — in line ____ in V X opposed ____

Cycle 4 — Firing order 18436572

Capacity 4481.1 c.c. Bore 92.1 m.m. Stroke 84.1 m.m.

Maximum rebore 1 m.m. — Resultant capacity 4578.9 c.c.

Material of cylinder block Cast Iron — Material of sleeves, if fitted none

Distance from crankshaft center line to top face of block at center line of cylinders 243.7 / 244.0 m.m.

Material of cylinder head Cast Iron — Volume of one combustion chamber 61.3 / 64.3 c.c.

Compression ratio 10.5:1

Material of piston aluminum — No. of piston rings 3

Distance from wrist pin center line to highest point of piston crown 48.9/49.0 m.m.

Bearings
(Crankshaft main bearings: Type Babbit on steel Dia. 63.5 m.m.
(Connecting rod big end: Type Bimetal grid Dia. 54.1 m.m.

Weights
(Flywheel 9.03 - 9.12 kg.
(Crankshaft 25.2 - 26.2 kg.
(Connecting rod .70 - .76 kg.
(Piston with rings .56 - .62 kg.
(Wrist pin .20 - .22 kg.

No. of valves per cylinder 2 — Method of valve operation pushrod

No. of camshafts 1 — Location of camshafts cyl. block

Type of camshaft drive Chain and Sprocket

Diameter of valves:	Inlet	45.2 m.m.	Exhaust	38.1 m.m.
Diameter of port at valve seat:	Inlet	42.0 - 42.6 m.m.	Exhaust	35.3 - 35.9 m.m.
Tappet clearance for checking timing:	Inlet	.33 hot m.m.	Exhaust	.53 hot m.m.
Valves open:	Inlet	14 BTC	Exhaust	56 BBC
Valves close:	Inlet	54 ABC	Exhaust	12 ATC
Maximum valve lift:	Inlet	10.5 m.m.	Exhaust	10.8 m.m.

Degrees of crankshaft rotation from zero to -

Maximum lift:	Inlet	124	Exhaust	124
3/4 Maximum lift:	Inlet	74	Exhaust	74

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

Carburetor: Type Down draft (up or down draft, horizontal) — No. fitted 1 (4BBL.)

Make Carter — Model AFB - 3853 S

Flange hole diameter pri 36.6 Sec. 39.8 — Choke diameter pri 27.0 m.m.

Main jet identification No. 130-252 and 130-175 sec. 31.3

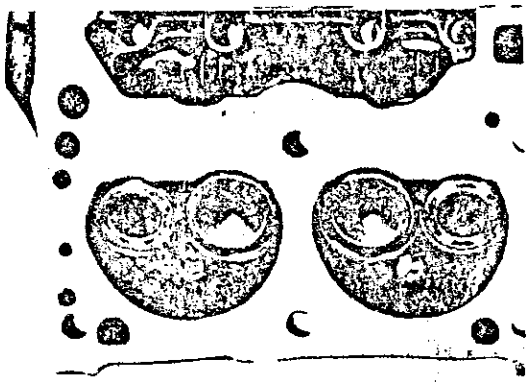
Kac 11-1331

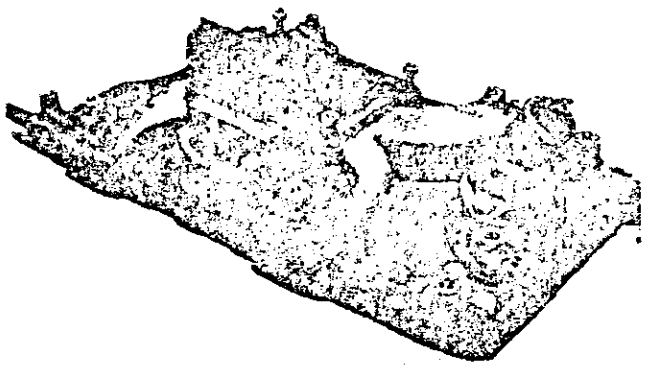
Air filter: Type Paper Element No. fitted One

Inlet manifold:

Diameter of flange hole at carburetor 41.0 ± 2.0 m.m.

Diameter of flange hole at port 48.0 ± 2.0 x 22.0 ± 2.0 m.m.



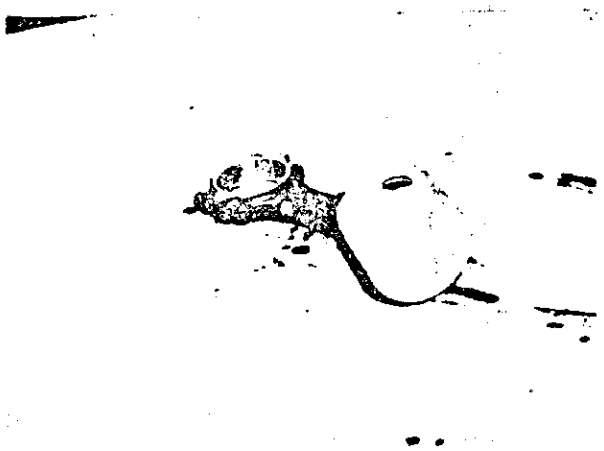


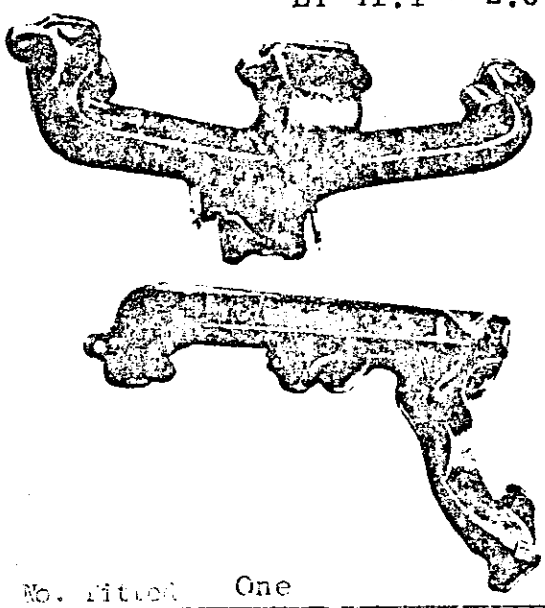
Exhaust manifold: 39.8 ± 2.0 x 27.9 ± 2.0 ends and

Diameter of flange hole at port 68.6 ± 2.0 x 39.9 ± 2.0 center m.m.

Diameter of flange hole at connection to muffler inlet pipe RT 44.7 ± 2.0 m.m.

LT 41.1 ± 2.0





ENGINE ACCESSORIES

Make of fuel pump Carter No. fitted One

Method of operation Mechanical

Type of ignition system Coil coil or magneto

Make of ignition Chrysler Model 2444448

Method of advance and retard Centrifugal and Vacuum

Make of ignition coil Essex or Prescolite Model 67-160-4 or 260759

No. of ignition coils One Volts 12

Make of alternator Chrysler Model 2098830

Voltage of alternator 13.7 Maximum output 30 amps.

Make of starter motor Chrysler Model 2095150

Battery: No. fitted 1 Voltage 12 Capacity 48 amp. hour

Rec. 12 1952

TRANSMISSION

Make of clutch Auburn — Type Dry Plate
Diameter of clutch plate 24.1 cm — No. of plates one
Method of operating clutch Mechanical
Make of gearbox Chrysler — Type Synchro-Mesh
No. of gearbox ratios 4 forward and 1 reverse
Method of operating gearshift Manual
Location of gearshift on floor
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.	3.09	22-33 / 17-35	2.66	24-31 / 17-35				
2nd.	1.92	22-33 / 25-32	1.91	24-31 / 23-34				
3rd.	1.40	22-33 / 29-27	1.39	24-31 / 29-27				
4th.	1.00	--	1.00	--				
5th.	--	--	2.58	24-31 / 11-22-34				
Reverse	3.00	22-33 / 11-22-34						

Type of final drive Hotchkiss
Type of differential Semi Floating; Limited slip optional
Final drive ratio 3.55 — Alternatives 2.93, 3.23, 3.91
No. of teeth 11-39 — 11-41 13-42 11-43
Overdrive ratio, if fitted ---

WHEELS

Type Pressed Steel Disc. — Weight 7.8 ± 1.0 kg.
Method of attachment Stud and Nut
Rim diameter 330 m.m. — Rim width 140 m.m.
Tire size: Front 178 x 330 — Rear 178 x 330

BRAKES

Method of operation Hydraulic
Is servo assistance fitted? Yes - Optional
Type of servo, if fitted Vacuum Actuated
No. of hydraulic wheel cylinders 1 — Bore 38.6 m.m.

Rec. No. 1352

	Front	Rear
No. of wheel cylinders		one
Bore of wheel cylinders	m.m.	23.2 ± 2 m.m.
Inside diameter of brake drums	m.m.	228.6 ± 1.0 m.m.
No. of shoes per brake		two
Outside diameter of brake discs	254.0 m.m.	m.m.
No. of pads per brake	two	

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	segment	top 95.3 m.m.	195 m.m.
		bottom 73.6 m.m.	250 m.m.
Width		50.8 m.m.	50.8 m.m.
Total area per brake		8,760 m.m.^{2}	22,600 m.m.^{2}

SUSPENSION	Front	Rear
Type	Independent	semi elliptic
Type of spring	Torsion Bar	laminated leaf
Is stabiliser fitted?	yes	no
Type of shock absorber	telescopic	telescopic
No. of shock absorbers	two	two

STEERING

Type of steering gear Recirculating Ball and Nut
Turning circle of car 11.5 m., approx.
No. of turns of steering wheel from lock to lock 4.0 ± .3

CAPACITIES AND DIMENSIONS

Fuel tank 68.2 (18.01 gal.) litres Sump 4.7 litres
Radiator 16.1 litres
Overall length of car 499 cm. Overall width of car 173 cm.
Overall height of car, unladen (with top up, if appropriate) 140 cm.
Distance from floor to top of windshield:
Highest point 104 cm. Lowest point 101 cm.

Width of windshield:
Maximum width 133 cm. Minimum width 119 cm.

*Interior width of car 137 cm.
No. of seats 4

Track: Front 145 cm. Rear 142 cm. (Cell 27 VBT 2 27)

Wheelbase 282 cm. Ground clearance 165 m.m.

Overall weight with water, oil and spare wheel, but without fuel 1160 kgs. (2601.9 lbs)

*(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 _____ Petrol pump drive _____

Fuel injection installation
Make of pump _____ Model or type No. _____
Make of injectors _____ Model or type No. _____

Location of injectors _____

Optional equipment affecting preceeding information:-

1. 3 speed auto trans.

1 st.	2.45:1
2 nd.	1.45:1
3 rd.	1.00:1
Reverse	2.20:1

2. Steering - Recirculating Ball & Nut 3.5 turns L. to L. power optio

Application for Variant to be attached to FIA Recognition Form No. [illegible]

Manufacturer Dodge Division, Chrysler Corporation

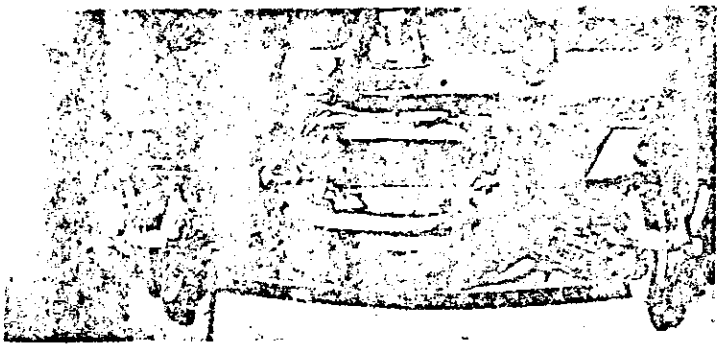
Model Dodge Dart

Variant concerns the following parts:

Wheels: Pressed steel disc 355 mm dia. x 140 mm wide

Tires: 175 x 355 mm

Brakes: Kelsey-Hayes front disc. Hydraulic master cylinder 25.4 mm



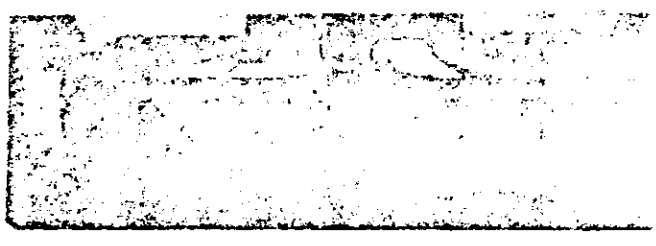
Front Suspension with Kelsey-Hayes Disc Brakes

Front (disc)		Rear (drum)	
O.D. disc	283 mm	Wheel Cylinder	23.2 ± .2 mm
No. pads/brake	2	Brake drum I.D.	254 ±1.0 mm
		Shoes/brake	2
Linings:			
Length	122 mm	Length:	
Width	47 mm	Primary	215 ± 10 mm
		Secondary	270 ± 10 mm
		Width:	44.5 ± 2 mm

Engine: H.D. Radiator 17 liters; H.D. Oil Cooler 7 liters
H.D. Clutch 241 mm Borg & Beck Single Dry Plate

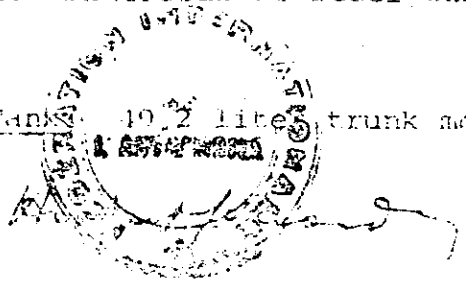
Sport Camshaft	Inlet	Exhaust
Valve Opens	34 BTC	78 BBDC
Valve Closes	74 ABDC	34 ATC
Max. Valve Lift	11.4 mm	11.4 mm

Exhaust manifolds of steel tubing



Suspension: Rear Suspension - additional rear axle control strut each side.

Gas Tank: 19.2 liter, trunk mounted aux. tank

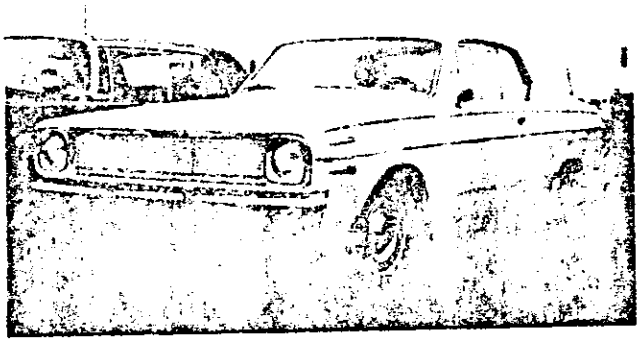


Application for Normal Evolution of the type to be attached to FIA Homologation Form #1332.

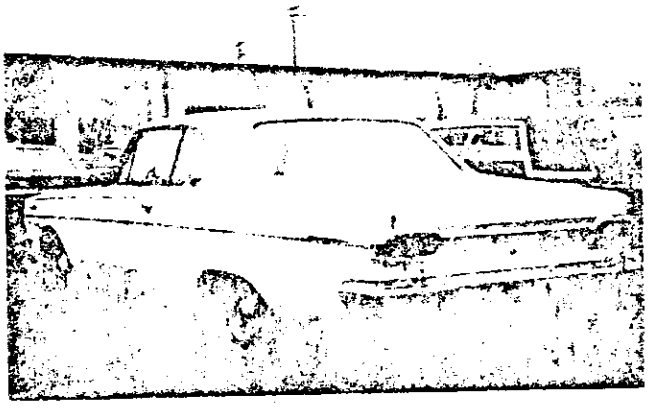
Manufacturer Dodge Division, Chrysler Corporation

Model Dodge Dart

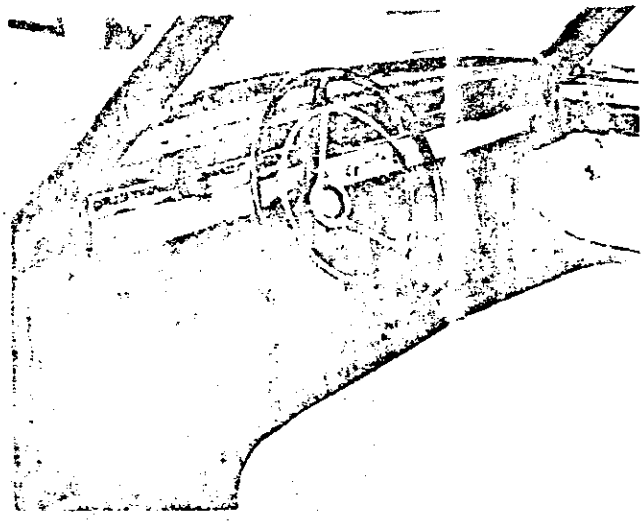
The following items are affected: General description of car, same as original (see Page 2).



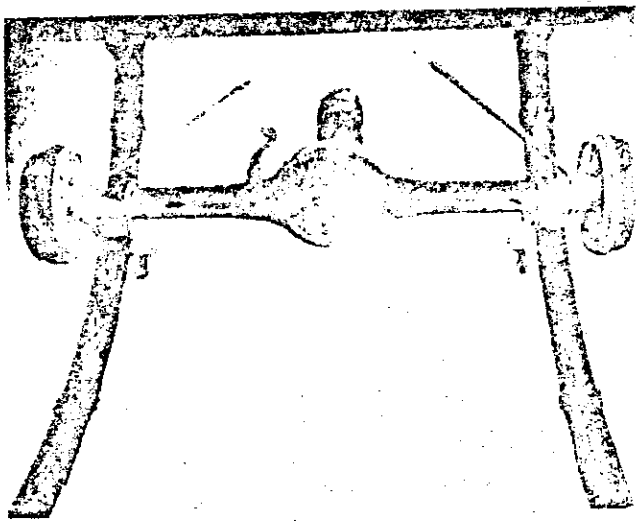
Front View



Rear View



Interior View



Rear Axle Assembly

Manufacturing method of rear axle ch
available ratios same as original mod

Application for Variant to be attached to FIA Recognition Form No. 1382

Manufacturer Dodge Division, Chrysler Corporation

Model Dodge Dart

Variant concerns the following parts:

Wheels: Pressed steel disc 380 mm dia. x 178 mm wide

Alt. Matl: Cast aluminum disc & steel rim
Cast magnesium disc & rim

Tires: 205 x 380 mm

Front Track: 1450 mm

Rear Track: 1450 mm

Rear Brakes (drum)

Wheel cylinder 20.6 mm
Brake drum I.D. 254 mm
Shoes/brake 2
Length of brake lining 445 ± 10 mm
Width of brake lining 50.8 ± 2 mm

Battery: Trunk mounted

H.D. Clutch: 267 mm Borg & Beck single dry plate

Gas Tank: 90.8 liter trunk mounted aux. tank

1332

Telephone: (203) 348-6233

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

433 MAIN STREET, STAMFORD, CONN. 06901

Cable Address: "ACCUSFIA" Stamford, Conn.

August 6, 1964
(date)

TO WHOM IT MAY CONCERN.

This is to certify that the Homologation Recognition Form for the Dodge Dart (248) to which this letter is attached is an exact and true copy of the master form, stamped by the FIA, on file at the office of the Automobile Competition Committee for the United States.

This car has been officially recognized by the FIA in the Touring Group II category, and assigned FIA recognition number 1332, valid from 8/7/64.

The form contains eight numbered pages with three addenda. To be valid, each sheet should contain the rubber stamp seal of the ACCUS,FIA as it appears on this letter.

We will appreciate this form being accepted as a true, FIA stamped recognition form by race organizers and other interested parties.

Sincerely yours,

G. William Fleming
Executive Director

GWF:r