



JAPAN AUTOMOBILE FEDERATION

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Registration No. **1442**
2-Touring

DAIHATSU KOGYO K.K.

F402-10072

FE-13705

1st Nov. 1966

Cylinder-capacity 958.6 cm³ 58.50 cu in
Model: F402 Compagno Berlina 100

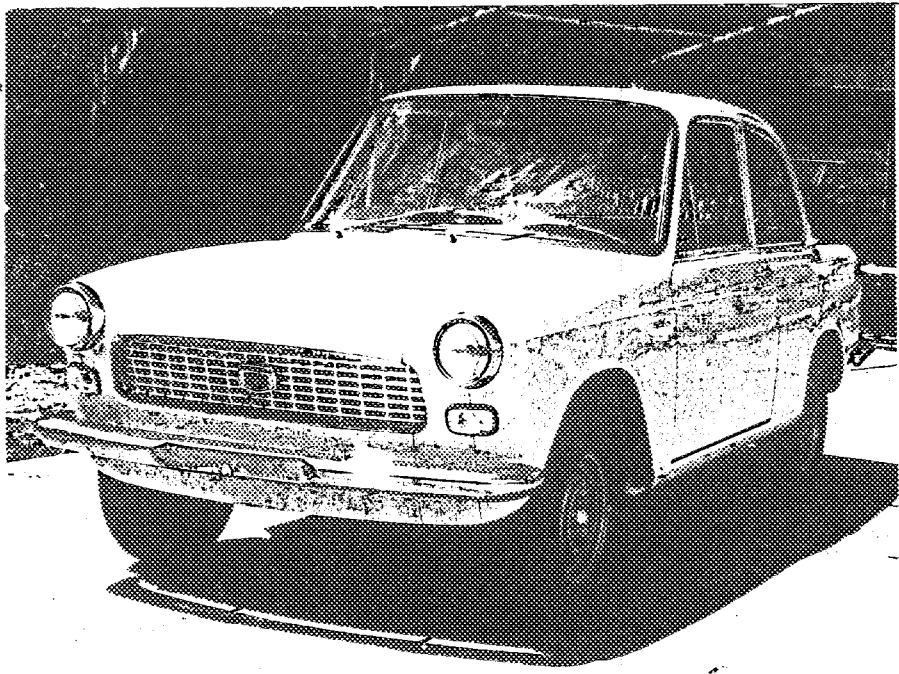
Manufacturer: DAIHATSU KOGYO K.K.

Manufacturer: DAIHATSU KOGYO K.K.

By 15/1

Testing of the motor described in this recognition form was started on Feb. 19 66 and the minimum production of 1000 units in accordance with the specifications of this form was reached on Jul. 19 66

Photograph A. 3/4 view of car from front



This car in this form has been subject to the following amendments

Technical evolution of the type

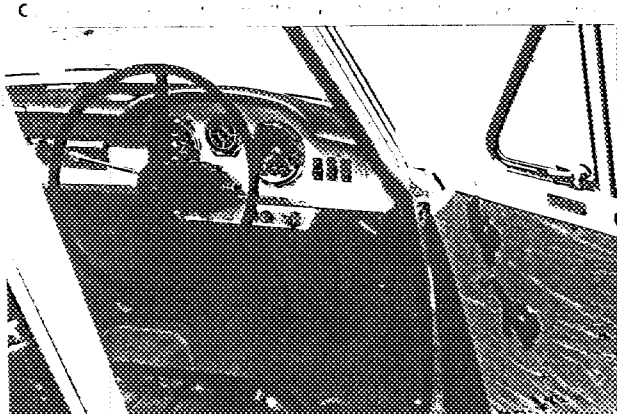
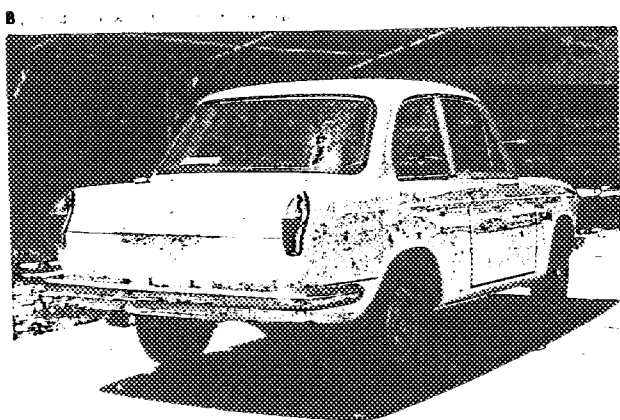
19	rec No.	List	on	19	rec No.	List
19	rec No.	List	on	19	rec No.	List
19	rec No.	List	on	19	rec No.	List
19	rec No.	List	on	19	rec No.	List
19	rec No.	List	on	19	rec No.	List

Signature of the
Sporting Authority

Stamp and signature of the F I A

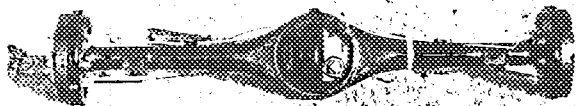
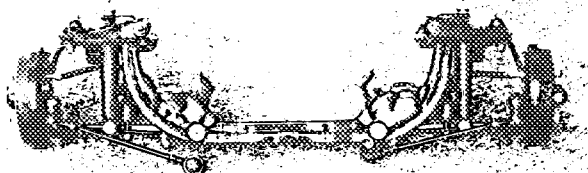
Handwritten signature
Stamp: FIA INTERNATIONAL FEDERATION OF AUTOMOBILE SPORTS
Page 1/1

Photograph



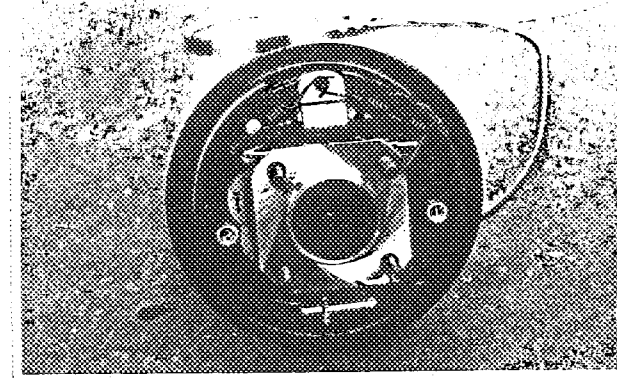
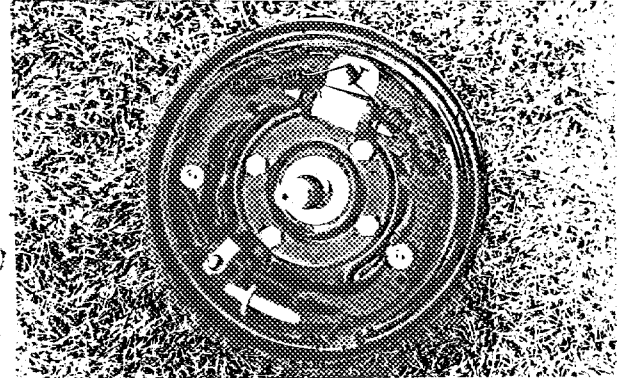
D. [Illegible text]

E. [Illegible text]



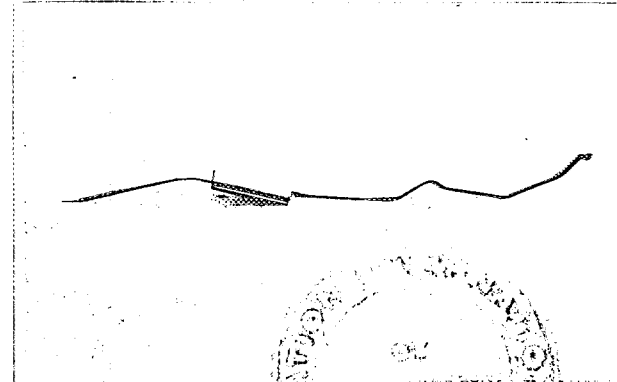
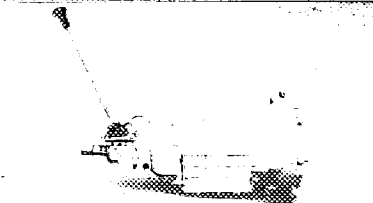
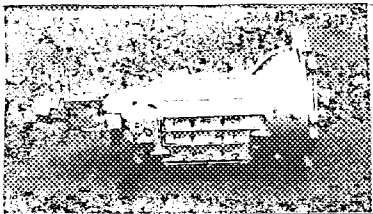
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G. [Illegible text]

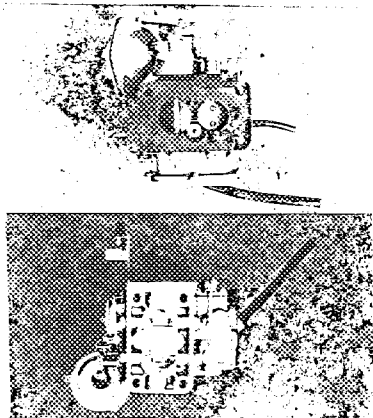
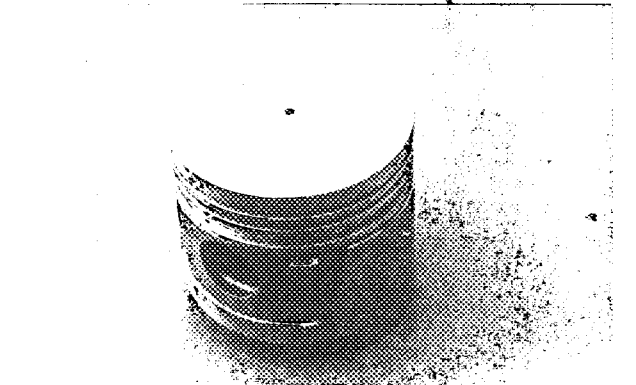
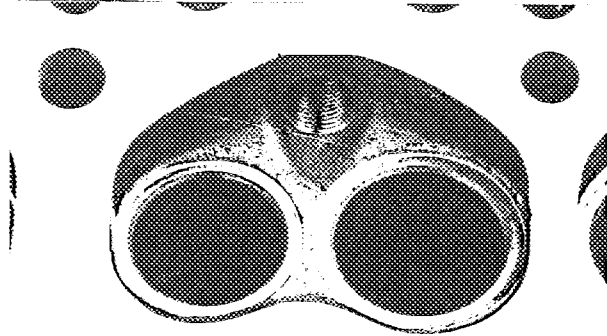
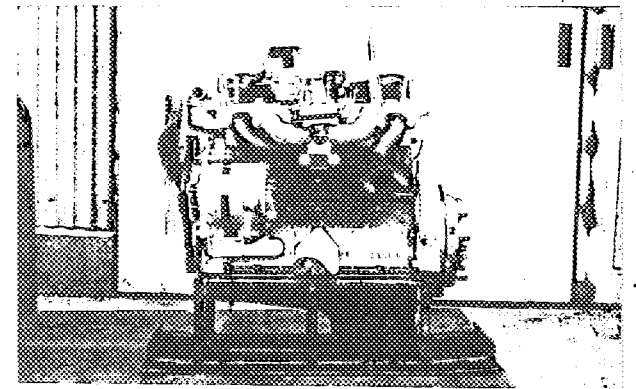
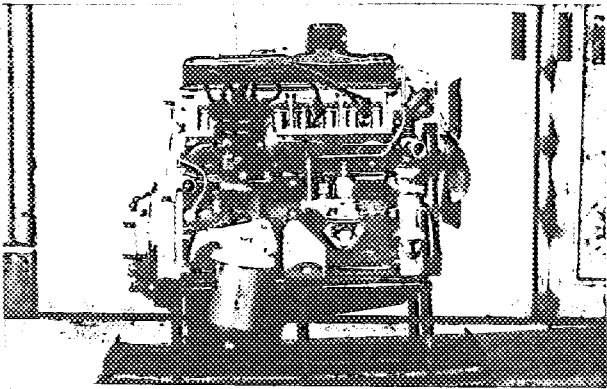


H. [Illegible text]

I. [Illegible text]

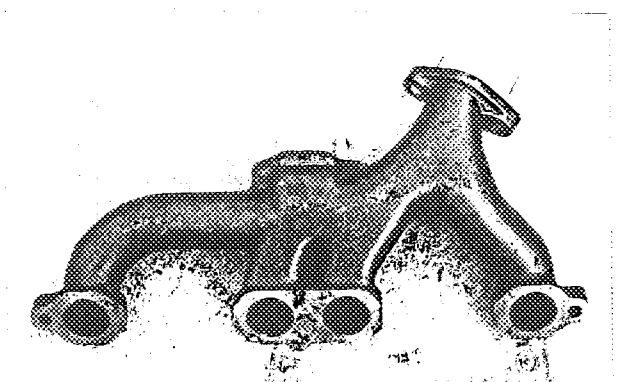
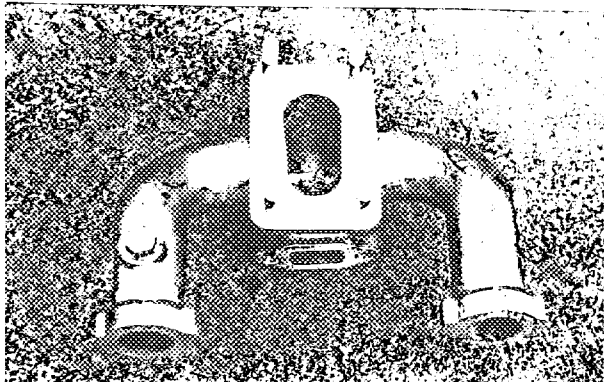
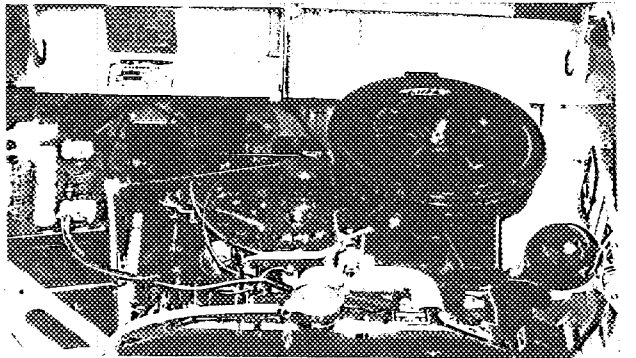


Photograph



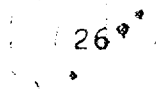
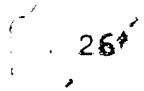
NIKKI

MIKUNI



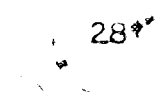
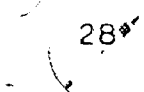
Drawing inlet
manifold ports
size of cylinders
head test size
width of dimensions
and manufacturing
tolerance

164



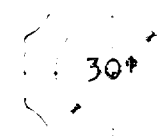
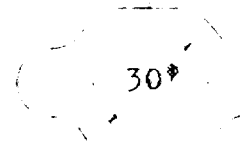
Drawing of inlet
manifold ports
part of cylinders
head test size
width of dimensions
and manufacturing
tolerance

164



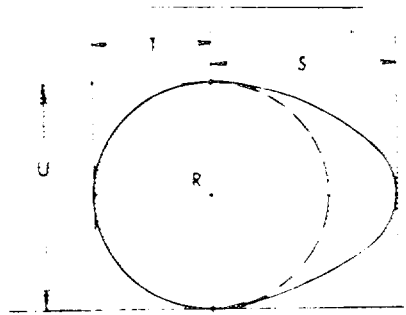
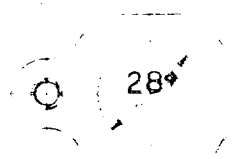
Drawing exhaust
manifold ports
size of cylinders
head test size
width of dimensions
and manufacturing
tolerance

280
48



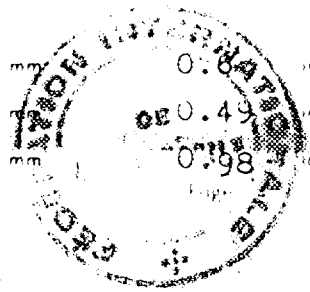
Drawing of inlet
manifold ports
part of cylinders
head test size or
width of dimensions
and manufacturing
tolerance

Dimension: mm
Tolerance: ±1.2mm
280
48



R centre of
camshaft

Inlet cam					
S	17.5	mm	0.69	inches	
T	12.5	mm	0.49	inches	
U	25.0	mm	0.98	inches	
Exhaust cam					
S	17.5	mm	0.69	inches	
T	12.5	mm	0.49	inches	
U	25.0	mm	0.98	inches	



MEASUREMENTS... must be stated when recognition is requested for...

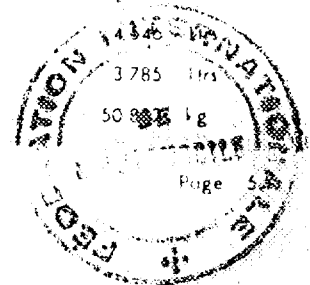
CAPACITIES AND DIMENSIONS

Table with 4 columns: Capacity/Dimension, Unit, Value, Unit. Rows include fuel tank, oil tank, engine oil, and weight.

* Dimensions... must be stated when recognition is requested for...
Dimensions in relation to the track and give drawings of two easily recognizable points at front and rear at which measurements are taken.
These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the vehicle.

CONVERSION TABLE

Table with 2 columns: Unit 1, Unit 2. Rows include inch to cm, foot to cm, litre to cm3, pound to gr, quart to litres, pint to litres, gallon to litres, and hundred weight to cwt.



CHASSIS AND COACHWORK

~~body construction~~

Steel

Steel

Steel

2

Steel

Steel

Steel

Glass

Glass

Glass

Vertical manual

Glass

ACCESSORIES AND UPHOLSTERY

- 1. ...
- 2. ...
- 3. ... Separate seat, vinyl leather
- 4. ...

11x2

- 1. ... bench seat, vinyl leather

2. ...	Steel	Weight	5.4	kg	11.8
3. ...	Steel	Weight	6.5	kg	14.3

WHEELS

50. Type	Preset steel				
51. Weight per wheel without tyre			4.8	kg	10.6
52. Method of attachment	4 nut-bolts - nuts				
53. Rim diameter	304.8	mm	12	inches	
54. Rim width	101.6	mm	4	inches	

STEERING

- 60. Type Recirculating ball & nuts
- 61. Servo-assistance - no
- 62. Number of turns of steering wheel from lock to lock 3.5
- 63. In case of servo-assistance



SUSPENSION

- 20 Front suspension type Independent, wishbone
- 21 Front spring Torsion bar
- 22 Front spring diameter
- 23 Number of shock absorbers 2
- 24 Type Hydraulic, telescopic
- 25 Rear suspension type Rigid axle case
- 26 Rear spring Semi-elliptic leaf spring
- 27 Rear spring diameter
- 28 Number of shock absorbers 2
- 29 Type Hydraulic, telescopic

BRAKES

- 30 Brake type Hydraulic
- 31 Brake system type
- 32 Number of hydraulic master cylinders 1

	FRONT		REAR	
33 Number of cylinders per wheel	1		1	
34 Brake wheel cylinder size	mm 3/4	in	mm 5/8	in

Drum brakes

35 Brake diameter	203.2 mm	in	203.2 mm	in
36 Length of brake lining	177 mm	in	177 mm	in
37 Width of brake lining	222 mm	in	222 mm	in
38 Number of shoes per brake	34 mm	in	34 mm	in
39 Friction area per brake	2		2	
	13,566 mm ²	sq in	13,566 mm ²	sq in

Disc brakes

40 Brake diameter	mm	in	mm	in
41 Thickness of disc	mm	in	mm	in
42 Length of brake lining	mm	in	mm	in
43 Width of brake lining	mm	in	mm	in
44 Number of pads per brake				
45 Friction area per brake	mm ²	sq in	mm ²	sq in



ENGINE

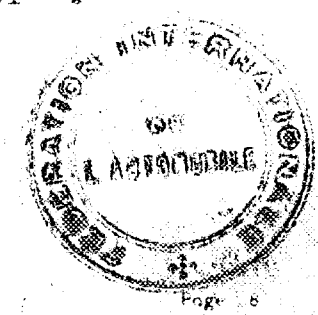
1	Number of cylinders	4	Number of valves	4
2	Configuration	In line		
3	Bore	76.0 mm	Stroke	76.0 mm
4	Compression ratio	23.7	Number of rings	14.6
5	Stroke to bore ratio	1.0	Number of rings	1.5
6	Material of cylinder	Cast iron		
7	Material of piston	Al-alloy	Number of pins	1
8	Number of pins	2	Number of exhaust ports	4
9	Number of ports	9.0		
10	Number of rings		Stroke	25.5 cm
11	Material of rings	Al-alloy	Number of rings	3
12	Distance from gudgeon pin centre line to highest part of piston crown			
13	Stroke	34 mm	Number of valves	4
14	Material of crankshaft	Cast iron	148. Type of crankshaft	Integral
15	Number of crankshaft main bearings	3		
16	Material of bearing cap	Cast iron		
17	Material of crankshaft	Cast iron	oil in sump	
18	Capacity of crankcase	2.8 lbs	Number of ports	10
19	Material of crankcase	Cast iron	154. Method of engine cooling	Watercooling
20	Capacity of cooling system	4.3 lbs	Number of ports	10
21	Number of rings fitted	27.5 cm	Number of rings	10
22	Number of blades of cooling fan	4		

Bearings

158	Crankshaft main type	Plain	Dia	50 mm
159	Connecting rod big end	Plain	Dia	42 mm

Weights

160	Flywheel clean	4.5 kg		
161	Flywheel with clutch half turning parts		9.8 kg	
162	Crankshaft	8.2 kg	lbs	1.8
163	Connecting rod		0.51 kg	
164	Piston with rings and pin	0.25 kg		



FOUR STROKE ENGINES

101 Material of cylinder block
 102 Gear
 103 Push-rod & rocker-arm

INLET

104 Material of inlet valve
 Al-alloy
 105 Diameter of inlet valve
 32.0 mm 1.25 inches
 106 Max. valve lift
 8.5 mm 0.33 in.
 107 Type of spring
 Coil
 108 Tappet clearance for checking timing (cold)
 0.15 mm inches
 109 Valves open at (with tolerance for tappet clearance indicated)
 15° B.T.D.C. 15°
 110 Valves close at (with tolerance for tappet clearance indicated)
 55° A.B.D.C. 15°
 111 Air intake system
 Dry

EXHAUST (see page 4)

112 Material of exhaust manifold
 Cast iron
 113 Diameter of valves
 29.0 mm 1.14 inches
 114 Max. valve lift
 8.5 mm 0.33 in.
 115 Type of spring
 Coil
 116 Tappet clearance for checking timing (cold)
 0.15 mm inches
 117 Valves open at (with tolerance for tappet clearance indicated)
 55° B.B.D.C. 15°
 118 Valves close at (with tolerance for tappet clearance indicated)
 15° A.T.D.C. 15°

CARBURETION (photograph No.)

119 Number of carburetors fitted
 1
 120 Make
 NIKKI, MIKUNI
 121 Type
 Down Draft
 122 Number of mixture passages per carburetor
 2
 123 Model
 D26-30(NIKKI)
 26-30DID(MIKUNI)
 124 Large bore diameter of exit port(s) of carburetor
 26 & 30 mm
 125 Minimum diameter of venturi ~~at maximum throat position or maximum height~~
 D26-30 19, 24 mm (NIKKI)
 26-30DID 18, 23 mm (MIKUNI)
 inches

INJECTION (fitted)

220 Max. fuel pump
 221 Number of plungers
 222 Model or type of pump
 223 Total number of injectors
 224 Number of injectors
 225 Minimum diameter of inlet pipe
 mm inches

* for additional information concerning two-stroke engines and super-charged engines see page 13

ENGINE ACCESSORIES

- 233 Fuel pump 1
- 234 Ignition system (make & break limit) 1
- 235 Ignition switch 1
- 236 Compressor 1
- 237 Alternator (number of poles) V belt
- 238 Voltage of generator 12 1
- 239 Location Engine room
- 240 Voltage of battery 12

ENGINE AND CAR PERFORMANCES

as declared by manufacturer

- 241 Max. engine output 55ps 5,500 rpm
- 242 Maximum rpm 6,000 64.0ps
- 243 Maximum torque 7.5kg-m 4,000 rpm
- 244 Maximum speed of the car 130



DRIVE TRAIN

CLUTCH

- 260 Type of clutch Dry plate 261. No. of plates 1
- 262 Dia. of clutch plates 17 cm inches
- 263 Dia. of linings, inside 11 cm in. outside 17 cm in.
- 264 Method of operating clutch hydraulic

GEAR BOX photograph H:

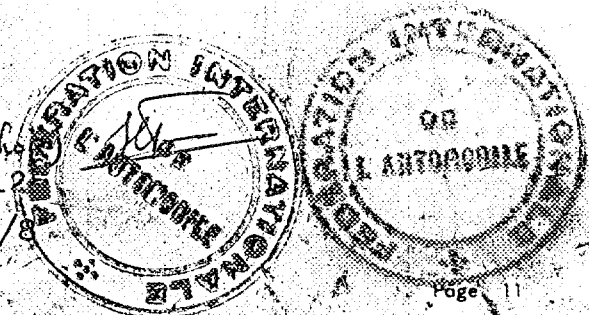
- 270 Manual, type, make DAIHATSU KOGYO K.K.
- 271 No. of gear-box ratios forward 4 272. Synchronized forward ratios 4 forward 1,2,3,4.
- 273 Location of gear-shift Steering column or floor
- 274 Automatic, make type
- 275 No. of forward ratios 276. Location of gear-shift

277	Manual			Automatic			Automatic manual					
	Ratio	No.	teeth	Ratio	No.	teeth	Ratio	No.	teeth			
1	3.678	$\frac{34}{19}$	$\frac{37}{18}$				2.896	$\frac{31}{22}$	$\frac{37}{18}$	2.466	$\frac{31}{22}$	$\frac{35}{20}$
2	2.334	$\frac{34}{19}$	$\frac{30}{23}$				1.986	$\frac{31}{22}$	$\frac{31}{22}$	1.578	$\frac{31}{22}$	$\frac{28}{25}$
3	1.481	$\frac{34}{19}$	$\frac{24}{29}$				1.357	$\frac{31}{22}$	$\frac{26}{27}$	1.208	$\frac{31}{22}$	$\frac{24}{28}$
4	1.000						1.000			1.000		
5												
6												
reverse	5.227	$\frac{34}{19}$	$\frac{21}{19}$ $\frac{37}{14}$				4.116	$\frac{31}{22}$	$\frac{21}{19}$ $\frac{37}{14}$	4.116	$\frac{31}{22}$	$\frac{21}{19}$ $\frac{37}{14}$

- 278 Overdrive, type
- 279. Forward gears on which overdrive can be selected
- 280. Overdrive ratio

FINAL DRIVE

- 290 Type of final drive Hypoid
- 291. Type of differential Bevel gear
- 292. Type of limited slip differential, if fitted: friction (power ho)
- 293. Final drive ratio 4.222 4.556 5.12
- Number of teeth 38/9 41/9 41/8



DAI HATSUKOGYO-K.K.

Model F402

F.I.A. Rec. No.

During the scrutineering of cars entered in group 2 (Touring cars) or 3 (Grand Touring cars) 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 184, 186, 187, 188, 189, 194, 201, 202, 203, 212, 213, 215, 216, 222, 223, 224, 225, 251, 252, 253, and 254, the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 29, 71, 76, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K, and O.

During the scrutineering of cars entered in group 4 (Sports cars) only the following items of the present recognition form are to be taken into consideration: 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 29, 71, 76, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K, and O.

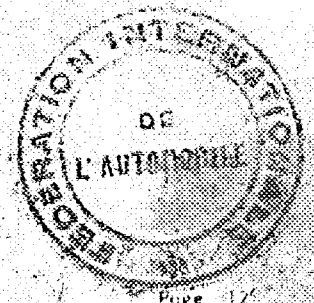
Optional equipment affecting preceding information: This is to be stated together with reference number.

WEIGHTS

- 51. Weight(per wheel,without tyre) 5.3kg
- 53. Rim diameter 330.2mm 13inches
- 54. Rim width 101.6mm 4inches
- 72. Stabiliser Torsionbar
- 80. Stabiliser Torsionbar
- 91. PAN Al-alloy
- 152. Capacity,lubricant 3.1 ltrs

Alternative Gear-Box ratios)

Manual		
Ratio	No. teeth	
2.115	29	35
	24	20
1.460	29	29
	24	24
1.164	29	26
	24	27
1.000		
3.530	29	21
	24	19
	37	14



Make **DAIHATSU KOGYO K.K.**

Model **F402**

F.I.A. Rec No.

TWO STROKE ENGINES

300. System of cylinder scavenging
301. Type of lubrication
302. Inlet ports, length measured around cylinder wall mm inches
303. Height inlet port mm in. 304. Area mm² sq. in.
305. Exhaust ports, length measured around cylinder wall mm inches
306. Height exhaust port mm in. 307. Area mm² sq. in.
308. Transfer port, length measured around cylinder wall mm inches
309. Height transfer port mm in. 310. Area mm² sq. in.
311. Piston ports, length measured around piston mm inches
312. Height piston port mm in. 313. Area mm² sq. in.
- Method of precompression 315. Precompression cyl. yes/no
316. Bore mm inches 317. Stroke mm inches
318. Distance from top of cyl. block to highest point of exhaust port mm inches
319. Distance from top of cyl. block to lowest point of inlet port mm inches
320. Distance from top of cyl. block to highest point of transfer port mm inches
321. Drawing of cylinder ports

330. Supercharging state full details hereafter

JAPAN AUTOMOBILE FEDERATION

Chairman

of Technical Subcommission



Osamu Hirao

