AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, FIA, INC.
433 MAIN ST.
STAMFORD, CONN. 06901
(203) 348-6233

5249

M
351
F.B.
G1

Federation Internationale de l'Automobile
FORM OF RECOGNITION

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

Cylinder capacity 5771.3 cm3 352.19 in3

Manufacturer Ford Model 1969 Mustang 351 Fastback

Serial # Chassis 9_02_100001 Manufacturer Ford

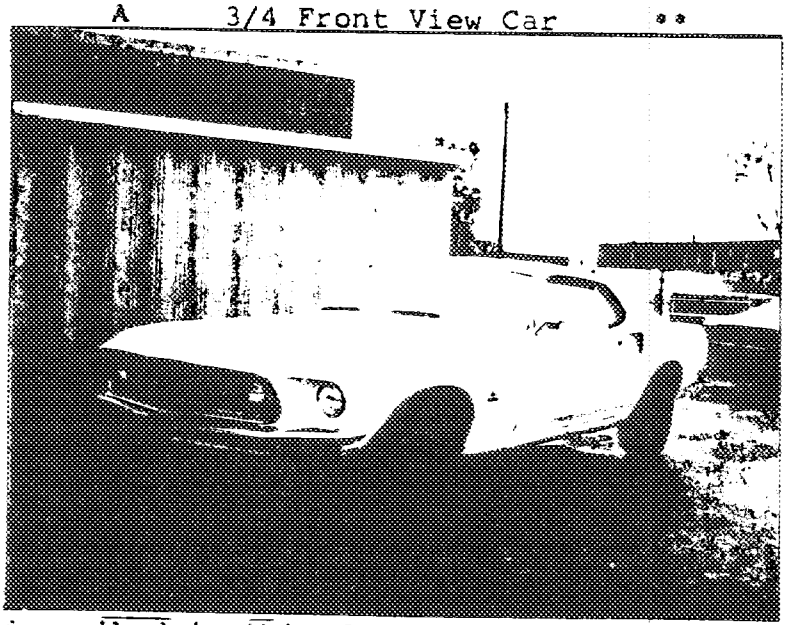
Serial # Engine None Manufacturer Ford

Recognition valid from 1st Jan. 1969 List 1969/1

The manufacturing of the model described in this recognition form was started on August 19 and the minimum production of 10,000 identical cars, in accordance with the specifications of this form, was reached on October 18, 19 68.

(*) need not be answered for Group II and III cars.
(**) only need to be answered for Group IV cars.

A 3/4 Front View Car **



The vehicle described in this form has been subject to the following amendments:

Variants
on 19 rec # list
on 19 rec # list
on 19 rec # list

Normal evolution of the type
on 19 rec # list
on 19 rec # list
on 19 rec # list

Stamp/Signature of
National Sporting Authority

Stamp/Signature
F.I.A.

(1)

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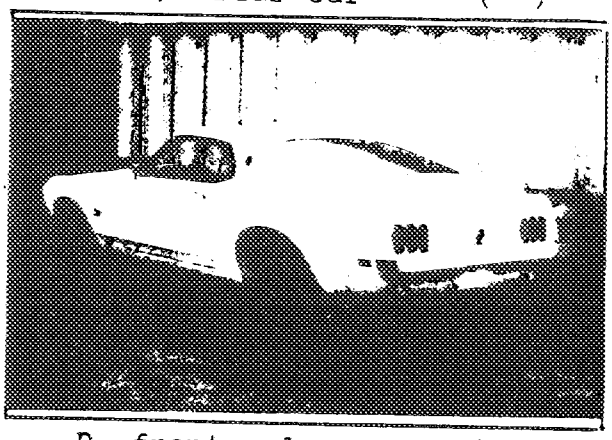
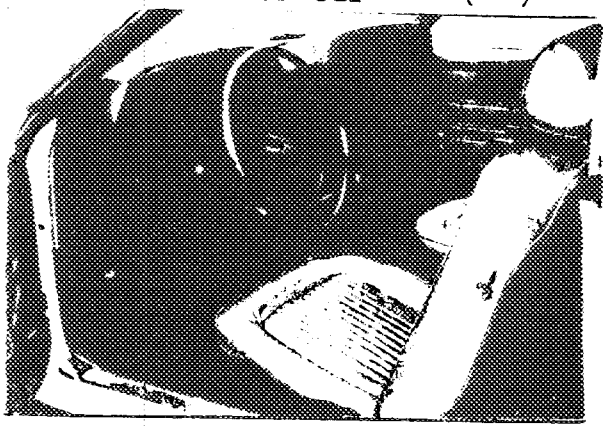
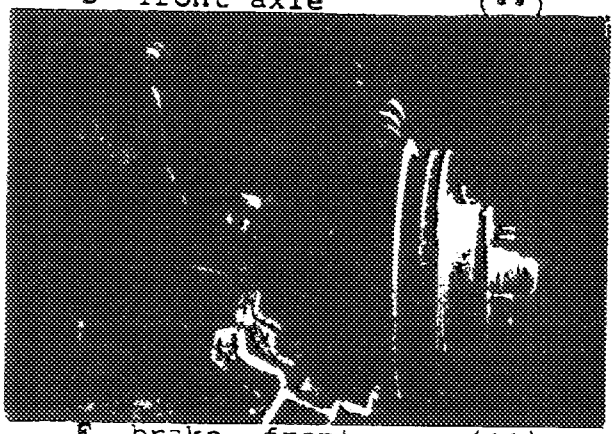
B 3/4 rear car (**)



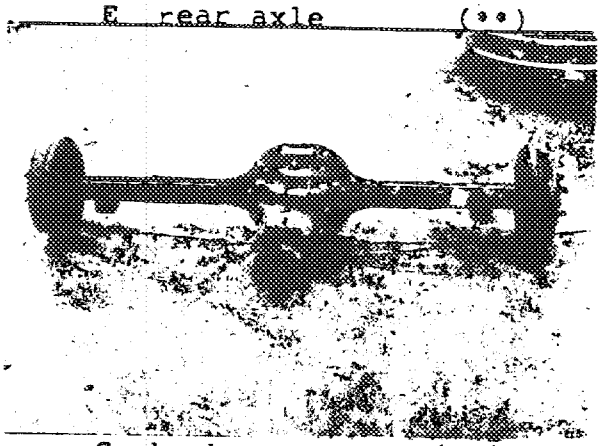
C interior-car (**)



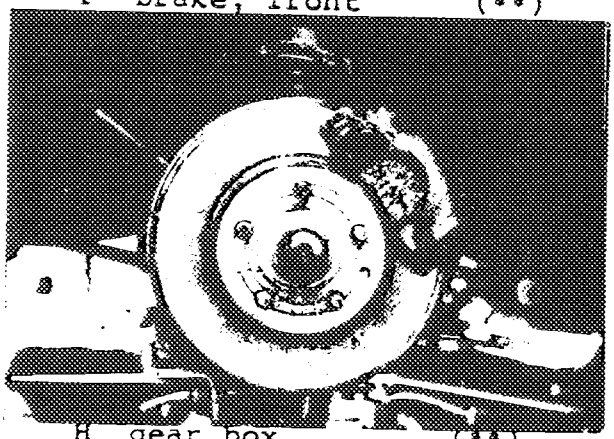
D front axle (**)



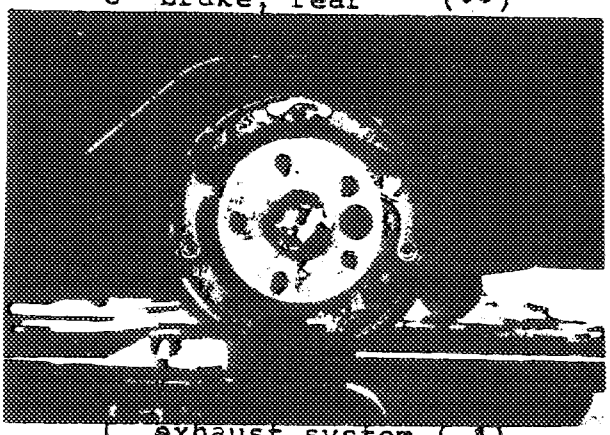
E rear axle (**)



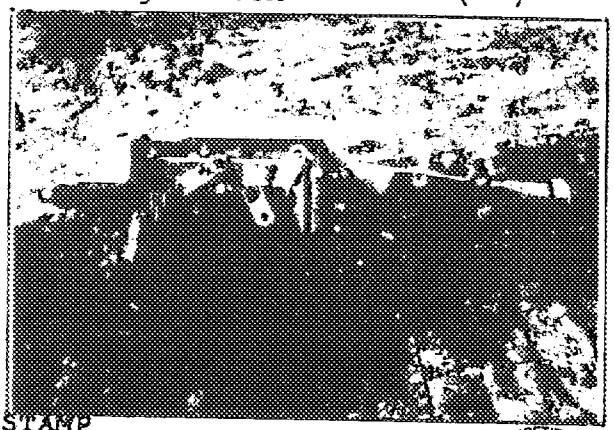
F brake, front (**)



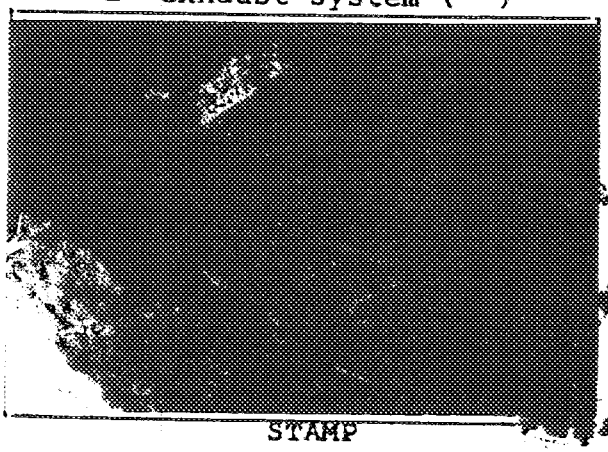
G brake, rear (**)



H gear box (**)



I exhaust system (**)



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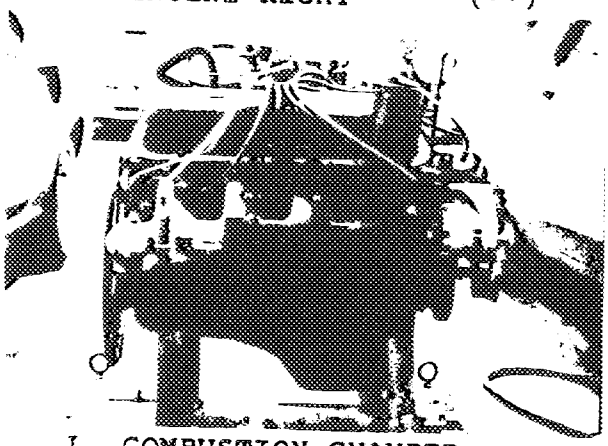
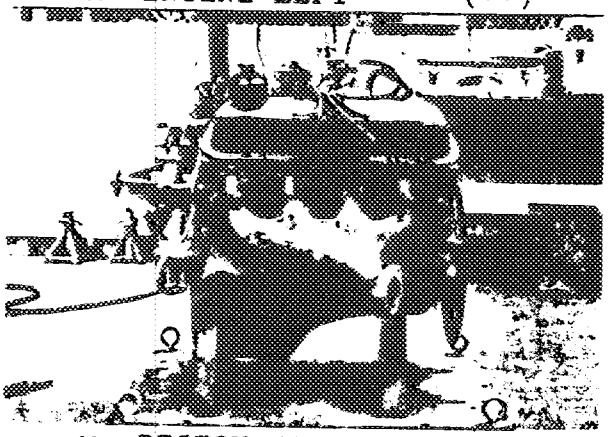
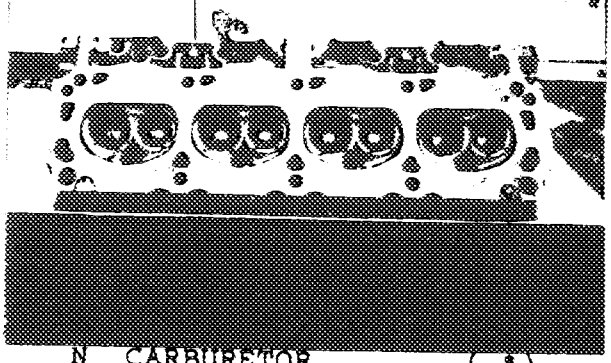
J ENGINE RIGHT (**)



K ENGINE LEFT (**)

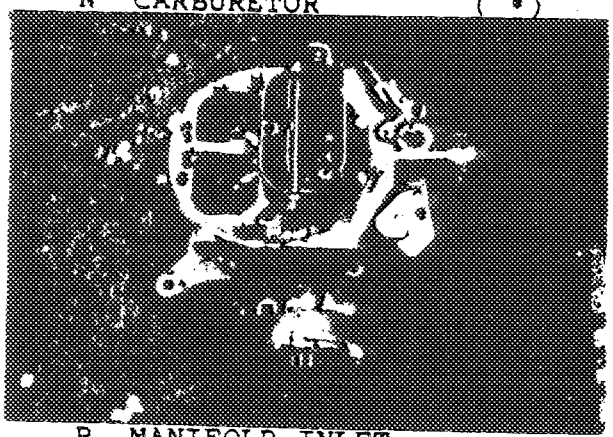


L COMBUSTION CHAMBER

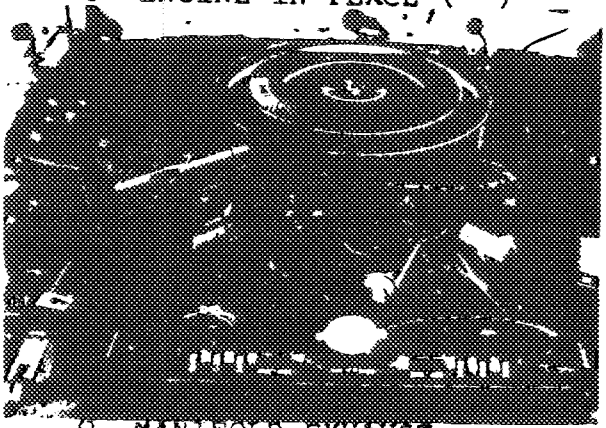


M PISTON TOP (*)

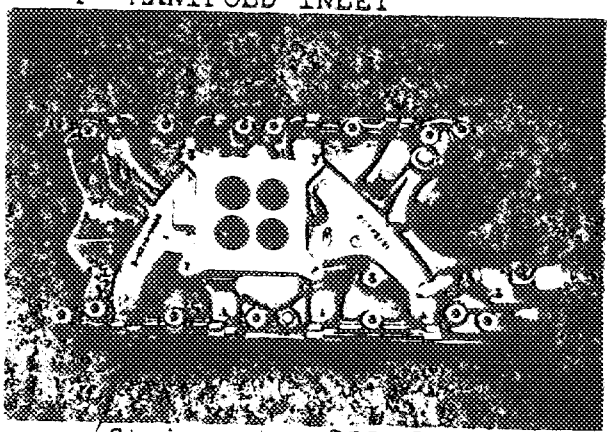
N CARBURETOR (*)



O ENGINE IN PLACE (**)



P MANIFOLD INLET



Q MANIFOLD EXHAUST

Strip out

ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES.

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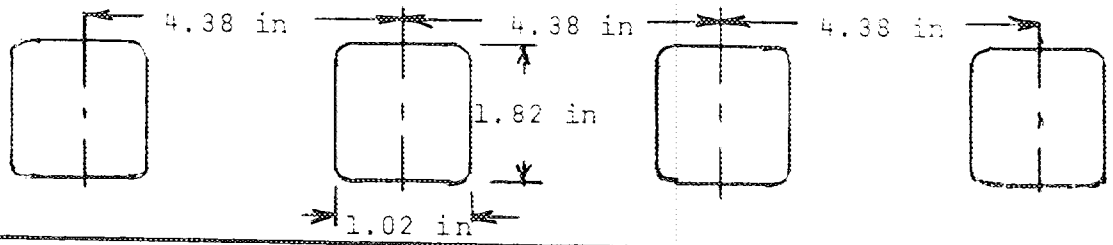
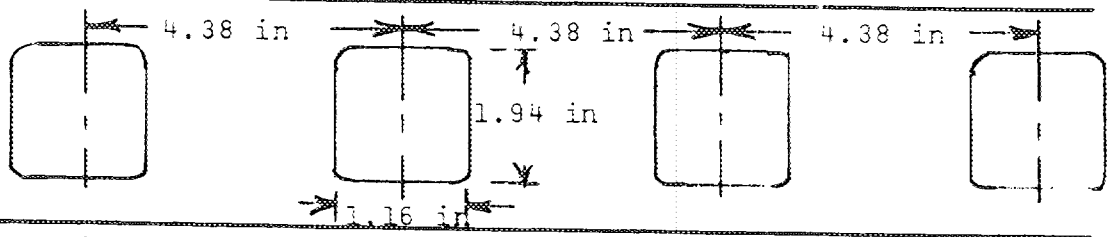
ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES. ± .04 in. or ± 1.0MM

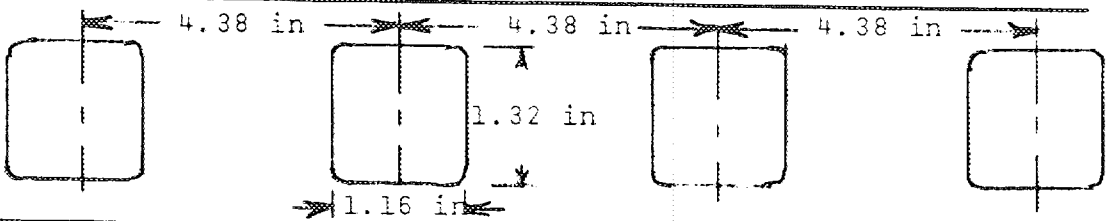
*Inlet Manifold Porting Cyl. Head Face



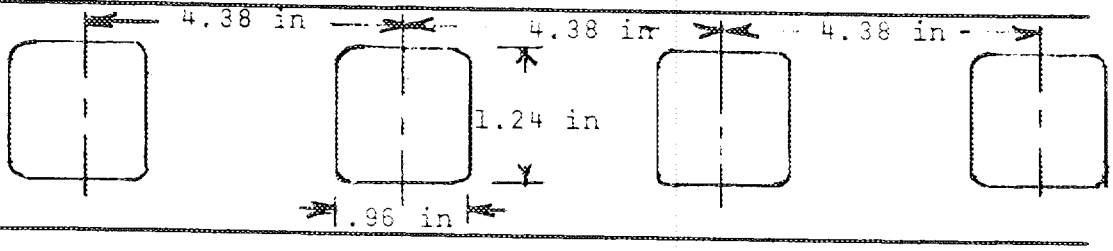
*Cylinder Head Porting Inlet Face



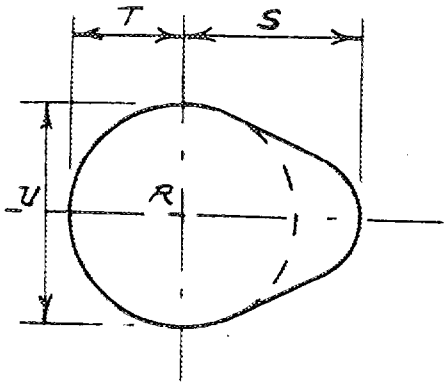
*Exhaust Manifold Porting Cyl. Head Face



*Cylinder Head Porting Exhaust Face



CAM



Inlet cam

S=	24.87	mm	.979 in
T=	18.31	mm	.721 in
U=	36.63	mm	1.442 in

Exhaust cam

S=	25.32	mm	.997 in
T=	18.31	mm	.721 in
U=	36.63	mm	1.442 in

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MAKE FORD MODEL '69 Mustang 351 FB FIA REC # 5249

IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system. See conversion table at index.

CAPACITIES & DIMENSIONS

(**) 1. Wheelbase 2743.2 mm 108.0 in

(**) 2. Front track 1498.6 mm 59.0 in + At 0° Camber

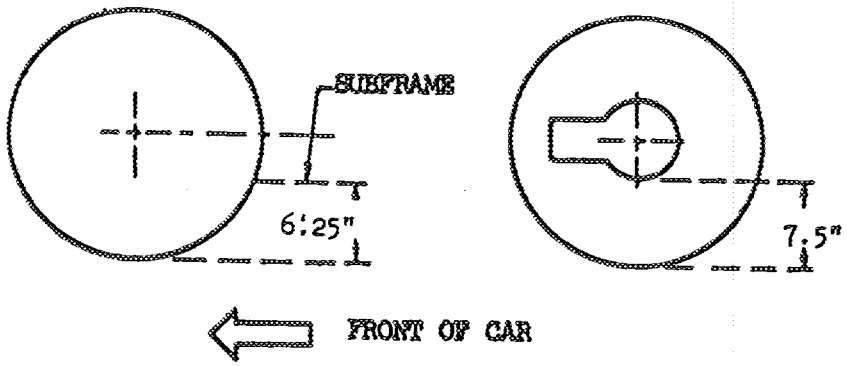
(**) 3. Rear track 1485.9 mm 58.5 in + 0" Toe-in

+ Differences in track resulting from use of optional wheel and rim sizes must be stipulated on recognition application forms.

* See note below.

Dimensional relationship between track (front and/or rear) and ground clearance resulting from use of optional wheel sizes shall also be stipulated and a sketch illustrating suspension reference points shall be shown below to establish the "reference chassis height." The reference chassis height dimension is to be used only when checking track and shall not affect eligibility of car in any manner.

Sketch, Ground Clearance: Dimensional Suspension & Chassis Reference Points"



* NOTE: Geometry changes in front suspension will alter track.

4. Overall length of car 477.0 cm 187.4 in

5. Overall width of car 182.1 cm 71.7 in

6. Overall height of car 128.0 cm 50.4 in

7. Capacity of fuel tank (reserve included) 75.70 ltrs.
20 gallons US 16.66 gallons, Imp.

8. Seating capacity Four (4)

(**) 9. Weight - total weight of car with normal equipment, water, oil and spare wheel but without fuel or repair tools.
1305 kg 2871 lbs

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MAKE FORD MODEL '69 Mustang 351 C.J. FIA REC # 5246 351

CHASSIS & BODYWORK - Photos A, B, C

(**)	20.	Chassis/body construction - ~~separate~~/unit construction	
(**)	21.	Unit construction - material/s	Sheet Steel
(**)	22.	Chassis - material/s	Steel separate construction
(**)	23.	Body - material/s	Steel separate construction
(**)	24.	Doors - number Two (2) material/s	Steel
(**)	25.	Hood - material/s	Steel
(**)	26.	Trunk Lid - material/s	Steel
	27.	Window, Rear - material/s	Glass
	28.	Windshield - material/s	Glass
	29.	Windows, front door - material/s	Glass
	30.	Windows, rear door - material/s	None
	31.	Windows - actuating system	Regulator
	32.	Window, rear quarter - material/s	Glass/Hinged

ACCESSORIES AND UPHOLSTERY

	38.	Heating, interior - yes no	Optional
	39.	Air conditioning - yes no	Optional
	40.	Ventilation - yes no	
(*)	41.	Seats, front - type of seat and upholstery	Bucket/Vinyl
	42.	Seats, front - weight (complete with supports & rails out of car) 14.8 kg 32.5 lbs (ea)	
		CHECK: BENCH _____ BUCKET X CONSOLE INCLUDED _____	
	43.	Seats, rear - type of seat and upholstery	Bench/Vinyl
	44.	Bumper, front - material/s	Steel kg 5.13 lbs 11.3 Weight
	45.	Bumper, rear - material/s	Steel kg 5.76 lbs 12.7 Weight

WHEELS

	50.	Type	Steel
	51.	Weight (per wheel, without tire)	8.9 kg 19.5 lbs
	52.	Method of attachment	Stud and Nut (5)
	53.	Rim, diameter	356/381 mm 14/15 in
	54.	Rim, width	152/152 mm 6/6 in

STEERING

	60.	Type	Recirculating Ball and Nut
	61.	Servo assistance	Optional
	62.	Number of turns of steering wheel from lock to lock	
	63.	In case of servo assistance	

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SUSPENSION

(**)	70.	Suspension, front (photo D) - type	Independent
(**)	71.	Spring - type	Coil
(*)	72.	Stabilizer - if fitted	Yes
	73.	Shock absorbers - number	Two (2)
	74.	Type	Tubular Adjustable
(**)	78.	Suspension, rear (photo E) - type	Live Axle
(**)	79.	Spring - type	Leaf
(*)	80.	Stabilizer - if fitted	No
	81.	Shock absorbers - number	Two (2)
	82.	Type	Tubular - Adjustable

BRAKES (Photos E and F)

(**)	90.	Method of operation	Hydraulic
(*)	91.	Power assisted (if fitted) - type	Pedal Boost
	92.	Master Cylinders - number and type (indicate if duplex master cylinder)	One (1) Dual
	93.	Cylinders - number per wheel	Front: One (1) / Rear: One (1)
	94.	Cylinders - wheel bore (indicate stepped bore dimensions if applicable)	Front: mm 2.375 in / Rear: mm .875 in

Drum Brakes

			Front		Rear	
	95.	Diameter, inside	mm	in 254	mm 10.0	in
	96.	Linings, length	mm	in 491.2	mm 19.34	in
	97.	Linings, width	mm	in 50.8	mm 2.00	in
	98.	Shoes - number per brake		Two (2)		
	99.	Area, total - per brake	mm2	in2 24,916.1	mm2 38.68	in2

Disc Brakes

	100.	Diameter, outside	287	mm	11.3	in	mm	in
	101.	Thickness of disc	23.81	mm	.9375	in	mm	in
	102.	Lining - length	124.5	mm	4.9	in	mm	in
	103.	Lining - width	52.6	mm	2.07	in	mm	in
	104.	Pads - number per brake			Two (2)			
	105.	Area, total - per brake	13,097.4	mm2	20.2	in2	mm2	in2

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ENGINE (Photos J and K)

(**)	130.	Cycle	two	four		Wankel
(**)	131.	Cylinders - number		eight		
(**)	132.	Cylinders - arrangement	Vee	Wankel - # of elements and basic dimensions		
(**)	133.	Bore	101.65	mm	4.002	in
(**)	134.	Stroke	88.90	mm	3.50	in
(**)	135.	Cylinders - capacity	721.4	cm3	44.0	in3
(**)	136.	Cylinders, total capacity	5771.3	cm3	352.19	in3
(**)	137.	Cylinder Block - material/s	Cast Iron			
(**)	138.	Sleeves - material/s (if fitted)	None			
(**)	139.	Head, cylinder - material/s	Cast Iron	number fitted	Two (2)	
(**)	140.	Port, inlet - number	Eight (8)			
(**)	141.	Port, exhaust - number	Eight (8)			
(*)	142.	Compression - ratio	10.6:1			
(*)	143.	Combustion chamber - volume	58.9	cm3	3.59	in3
(*)	144.	Piston - material/s	Aluminum Alloy with Steel Struts			
(*)	145.	Rings - number	Three (3)			
(*)	146.	Distance from gudgeon pin centre line to highest point of piston crown	44.17	mm	1.739	in
(**)	147.	Crankshaft - cast-forged-mach from solid				
(**)	148.	Crankshaft - type - integral - sectioned - # of sections				
(**)	149.	Crankshaft, main bearings - number	Five (5)			
(**)	150.	Bearing cap - material/s	Cast Iron			
	151.	Lubrication - system - dry sump/oil in sump				
	152.	Lubricant - capacity	4.73	ltrs	pts	5 qts US
(*)	153.	Cooler, oil - yes no				
	154.	Cooling - method	Water Radiator			
	155.	Cooling - capacity of system	14.76	ltrs	pts	15.6 qts US

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(*) 156. Fan, cooling (if fitted) - diameter 44.6 cm 17.56 in

(*) 157. Fan, cooling - number of blades 4 material/s Steel

BEARINGS

(**) 158. Crankshaft, main - type Insert diameter 76.19 mm 2.9998 in

(**) 159. Connecting rod, big end - type Insert diameter 58.69 mm 2.3107 in

WEIGHTS

(*) 160. Flywheel (clean) 14.06 kg 31.0 lbs

(*) 161. Flywheel with clutch (all rotating parts) 22.87 kg 50.83 lbs

(*) 162. Crankshaft 25.4 kg 56.0 lbs

163. Connecting Rod .69 kg 1.53 lbs

(*) 164. Piston with rings & pin .85 kg 1.87 lbs

FOUR CYCLE ENGINES

(**) 170. Camshafts - number One (1) material/s Alloy Iron

(**) 171. Camshaft - location Cylinder Block

(**) 172. Camshaft Drive, type Chain

(**) 173. Valve operation - type Tappet, Pushrod, Rocker

INLET (See Photo P) (for addtl info re 2 stroke engines and super charged, see page 15)

180. Inlet manifold - materials Cast Iron

181. Valves (overall) - diameter 46.96 mm 1.849 in

(*) 182. Valve lift - maximum 10.62 mm .418 in

183. Springs, valve - number Two (2)

184. Spring - type Coil

(**) 185. Valves, per cylinder - number One (1)

(*) 186. Tappet - clearance for checking timing (cold) mm Hydraulic in

(*) 187. Valves - open at (with tolerance for tappet clearance indicated) 11° BTC

(*) 188. Valves - close at (with tolerance for tappet clearance indicated) 65° ABC

(*) 189. Air filter - type Dry Element

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MAKE FORD MODEL '69 Mustang 351 Pi RIA REC # 52481

EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s — Cast Iron

196. Valves (overall) - diameter — 39.32 mm 1.548 in

197. Valve, lift - maximum — 11.38 mm .448 in

198. Valve Springs/valve - number — Two (2)

199. Springs - type — Coil

(**) 200. Valves - number per cylinder — One (1)

(*) 201. Tappet - clearance for checking timing (cold) — Hydraulic
mm in

(*) 202. Valves - open at (with tolerance for tappet clearance indicated) — 68° BBC

(*) 203. Valves - close at (with tolerance for tappet clearance indicated) — 22° ATC

CARBURETION (See Photo N)

210. Carburetors, fitted - number — One (1)

211. Type — Downflow

(*) 212. Make — Ford G.P.D.

(*) 213. Model — 4300

214. Carburetors - number of mixture passages — Four (4)

(*) 215. Carburetor - flange hole diameter of exit port — 36.50 mm 1.437 Prin
39.68 1.562 Sec

216. Venturi - throat diameter+ — 25.4 mm 1.0 in

INJECTION

220. Pump - make

221. Plungers - number

(*) 222. Pump - model

NONE FITTED

223. Injectors - location

224. Injectors - total number

(*) 225. Inlet pipe - minimum diameter — mm in

+ For variable throat type carburetors, indicate minimum lift of shutter mechanism such as pistons in S.U.

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Gear Box (Photo H)

(**) 270. Manual type - make — Ford

(**) 271. Ratios, forward - number — Four (4)

272. Ratios, forward - number synchronized — Four (4)

273. Gear-Shift - location Floor optional

(**) 274. Automatic - make Ford type Hydraulic with Planetary Gears and Torque Converter

(**) 275. Ratios, forward - number — Three (3)

276. Gear-Shift - location — Floor

277.	Manual Ratio	Manual # Teeth	Automatic Ratio	Automatic # Teeth	Alternative manual/automatic Ratio	Alternative manual/automatic # Teeth	Ratio	# Teeth
1	2.78	23/30 32/15	2.46	Torque Converter Maximum Radio at Stall 2.02:1	2.32	23/25 32/15		
2	1.93	23/30 31/21	1.46		1.69	23/25 28/18		
3	1.36	23/30 25/24	1.00		1.29	23/25 25/21		
4	1.00	Direct			1.00	Direct		
5								
6								
reverse	2.78		2.20		2.32			

278. Overdrive - type — None Fitted

279. Forward gears on which overdrive can be selected

280. Overdrive - ratio

FINAL DRIVE

(**) 290. Type — Hypoid, Semi-Floating, Straddle Mounted Pinion

(**) 291. Differential - type — Locking - By Ratchet or Friction

(**) 292. Limited Slip Differential (if fitted) - type ≠ Positive Locking - by Ratchet or Friction

293. Ratio / Teeth - number

Ratio	3.00	3.25	3.50	3.70	3.89	4.11
Teeth - number	39/13	39/12	35/10	37/10	35/9	37/9

(≠) Specify friction or positive locking type

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ENGINE ACCESSORIES

(*) 230. Pump, fuel - mechanical and/or electrical

231. Number fitted One (1) Each - Two (2) Total

232. Ignition system - type Battery and Coil

233. Distributors - number One (1)

234. Coils, ignition - number One (1)

235. Spark plugs - number per cylinder One (1)

236. Generator (or Alternator) - number fitted One (1)

237. Drive - method Belt

238. Voltage, generator - volts 12.8

239. Battery - number One (1)

240. Location Engine Compartment or Trunk

241. Voltage - volts 12 amp hrs 45

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

(*) 250. Horsepower - maximum engine output 290 at 4800 rpm S.A.E. (indicate SAE or DIN)

(*) 251. RPM - maximum 4800 output at that figure 290 S.A.E.

(*) 252. Torque - maximum 385 at 3200 rpm

(*) 253. Speed - maximum km/hour miles/hour

DRIVE TRAIN

Clutch

260. Type Dry Plate

261. Plates - number of driven One (1)

262. Plates - diameter 25.4 cm 10.0 in

263. Linings - diameter - inside 17.15 cm 6.75 in

Linings - diameter - outside 25.4 cm 10.0 in

264. Method of operation Mechanical

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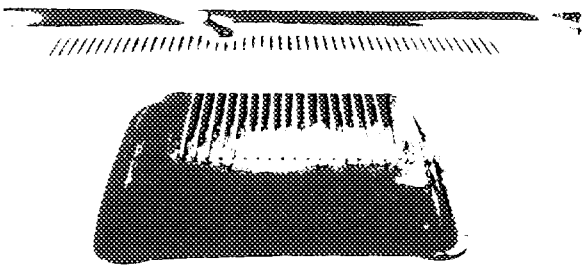
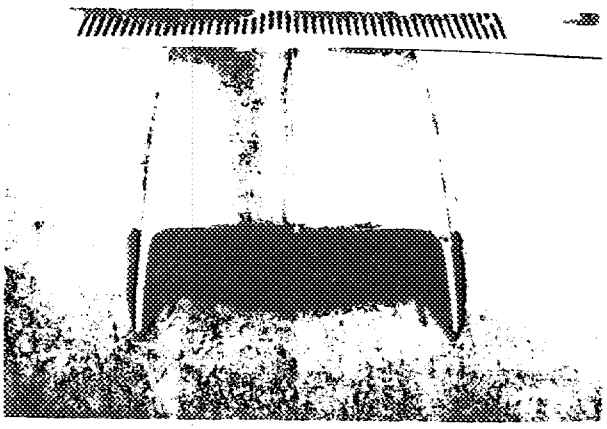
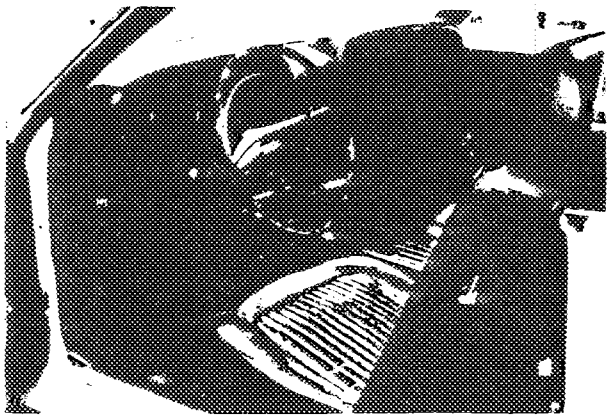
Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



Hood Scoop Package - Die Cast



Hood Scoop Package - Fiberglass



Interior with Automatic Shift

STAMP

STAMP

MAKE FORD MODEL '69 MUSTANG 351 F.B. FIA REC # 5249 M 351 F.B. G1

IMPORTANT

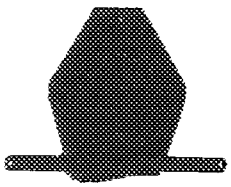
The conformity of the car with the following items of the present recognition form is to be disregarded during the technical inspection when the vehicle has been entered in Group II (Touring Cars) or III (Grand Touring Cars):
41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, 255, photos I, M, N & items on page 5 as indicated.

During the technical inspection of cars entered in Group IV (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, 70, 71, 78, 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 & photos A, B, D, E, F, G, H, J, K, O.

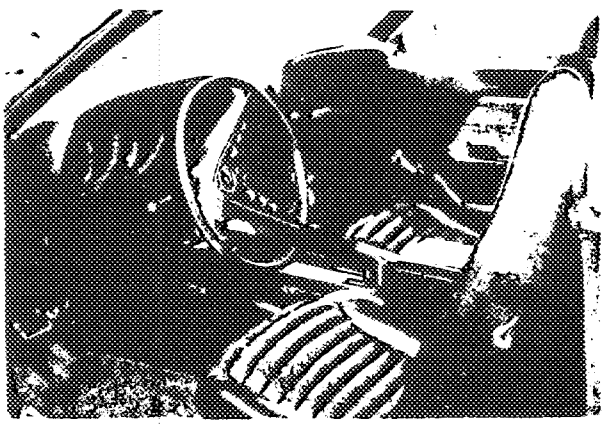
Optional equipment affecting preceding information:

CATALOGUE PART NUMBER MUST BE GIVEN

S7MS-6675-B	Sump Guard
C9ZF-90646	Hood Scoop Package - Die Cast
C9ZB-16C664-A	Hood Scoop Package - Fiberglass
60136/60050	Seat-High Back



Sump Guard



Deluxe Interior

STAMP

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