



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

FORD - MUSTANG 351 HARD TOP

MARQUE ET MODELE

VALIDITE HOMOLOGATION

5252

FICHE NR.

1 / 1000

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 26/10/55 par [Signature] visée ce jour le _____ par _____

MAKE FORD MODEL '69 Mustang 351 H.T. FIA REC # 5252 H.T. 351 G1



Telephone: (203) 348-6233

Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.
433 MAIN STREET, STAMFORD, CONN. 06901

Federation Internationale de l'Automobile
FORM OF RECOGNITION

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

I N D E X

<u>ITEM</u>	<u>NUMBERS</u>	<u>PAGES</u>
Basic Data & Photo		1
Photos		2-3
Sketches		4
Capacities & Dimensions	1-9	5
Chassis & Bodywork	20-32	6
Accessories & Upholstery	38-45	6
Wheels	50-54	6
Steering	70-82	6-7
Brakes	90-105	7
Engine	130-203	8-10
Carburetion	210-216	10
Injection	220-225	10
Engine Accessories	230-241	11
Engine & Car Performance	250-253	11
Drive Train	260-293	11-12
Optional Equipment		13-14
Variants & Evolutions, if any		

CONVERSION TABLE:

1 inch / pouce	2.54 cm	
1 foot / pied	30.479 cm	
1 square inch / pouce carre	6.452 cm ²	
1 cubic inch / pouce cube	16.387 cm ³	
1 pound (lb.) / livre	453.593 gr	
1 pint (U.S.)	.473 ltrs	.833 pt. Imp.
1 quart (U.S.)	.946 ltrs	.833 qt. Imp.
1 gallon (U.S.)	3.785 ltrs	.833 gal. Imp.
1 pint (Imp.)	.568 ltrs	1.20 pt. U.S.
1 quart (Imp.)	1.136 ltrs	1.20 qt. U.S.
1 gallon (Imp.)	4.546 ltrs	1.20 gal. U.S.

Telephone: (203) 348-6233



Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.
433 MAIN STREET, STAMFORD, CONN. 06901

Federation Internationale de l'Automobile

STANDARD CERTIFICATE OF PRODUCTION

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

Name of Manufacturer FORD MOTOR COMPANY

Make of Car Ford Model 1969 Mustang 351 Hardtop

We certify that 5,000 cars identical with the basic specification, as well as 5,000 cars as modified by the listed optional equipment (when required by Appendix "J"), were completed as of October 18, 1968.


Cars conforming to this specification may be identified by chassis numbers 9_C1_100001, and engine numbers None.

Signed:

J. H. Passino
J. H. Passino
Manager, Special Vehicle Activity

F. A. Hernandez
F. A. Hernandez
Stock Vehicle Department
Special Vehicle Activity

Certified:

John K. Oliver
ACCUS, FIA, Inc. 





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

5252
 S-TW

Federation Internationale de l'Automobile
FORM OF RECOGNITION

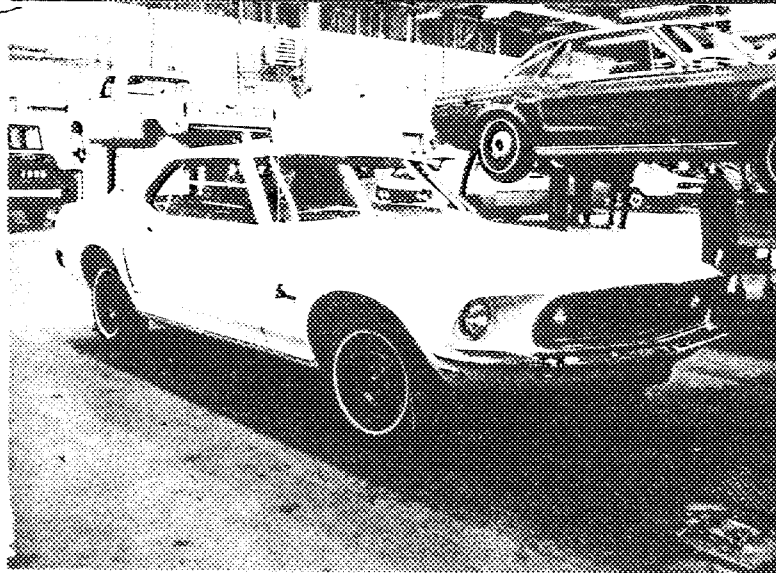
In accordance with Appendix "J" of the International Sporting Code

Cylinder capacity 5771.3 cm3 352.19 in3
 Manufacturer Ford Model 1969 Mustang 351 Hardtop
 Serial # Chassis 9_01_100001 Manufacturer Ford
 Serial # Engine None Manufacturer Ford
 Recognition valid from 1. 1. 1969 List _____

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, 1968.

(*) 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

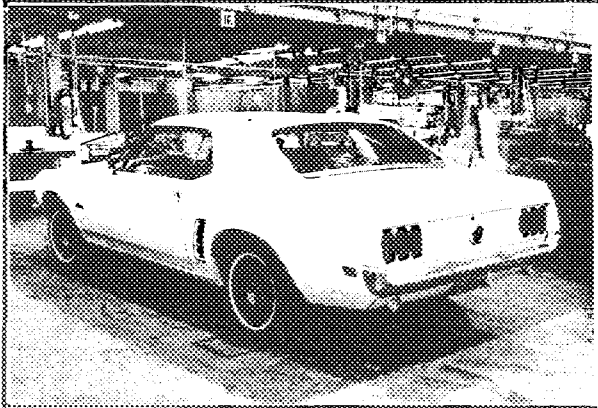
Stamp/Signature of
 National Sporting Authority

John A. Oliver

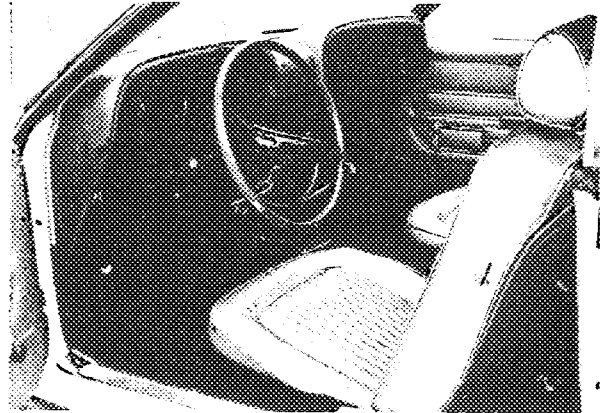


Stamp/Signature
 F.I.A.

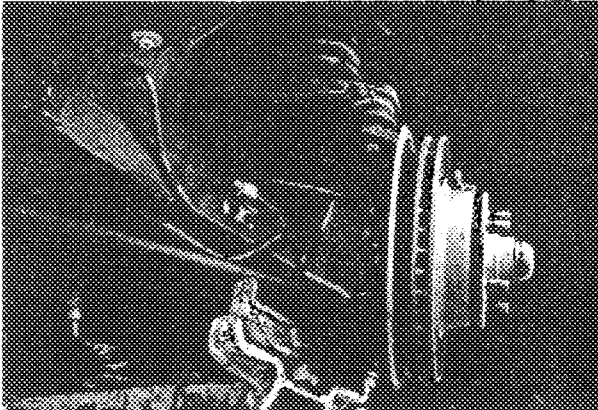
B 3/4 rear car (**)



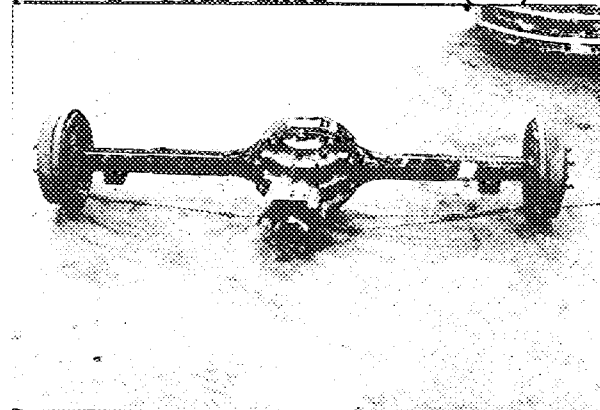
C interior-car (**)



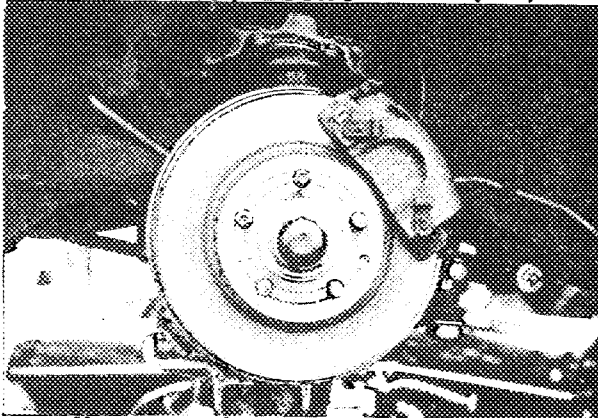
D front axle (**)



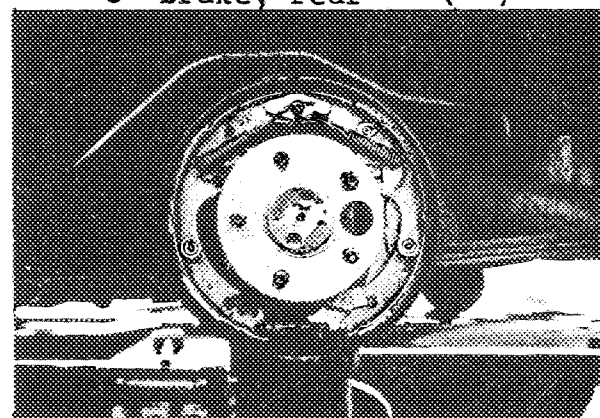
E rear axle (**)



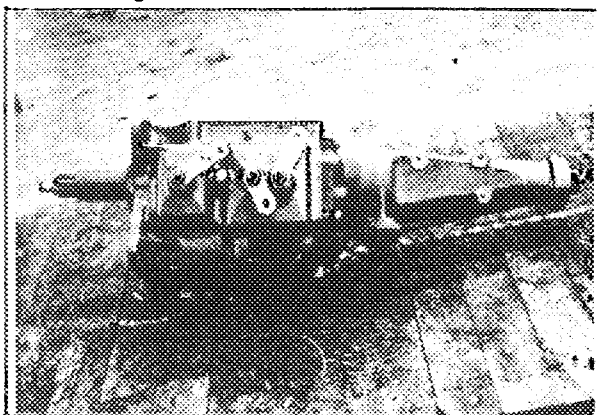
F brake, front (**)



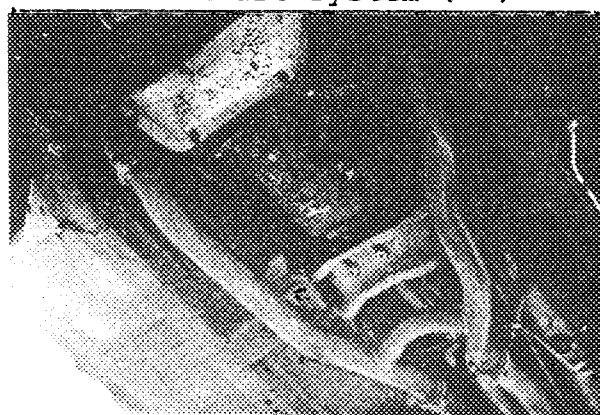
G brake, rear (**)



H gear box (**)



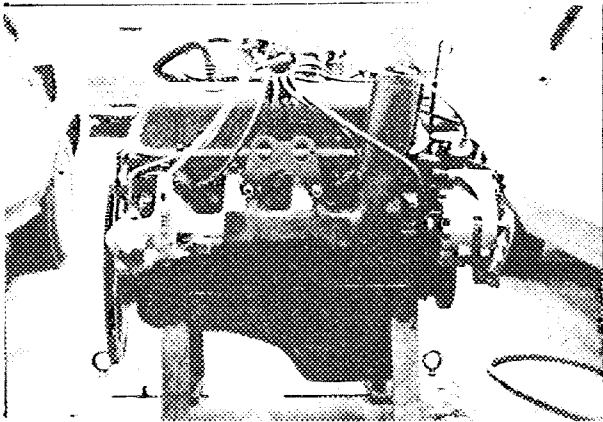
I exhaust system (*)



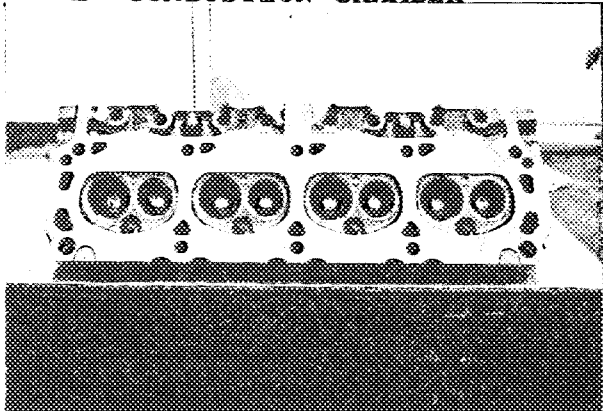
STAMP

STAMP

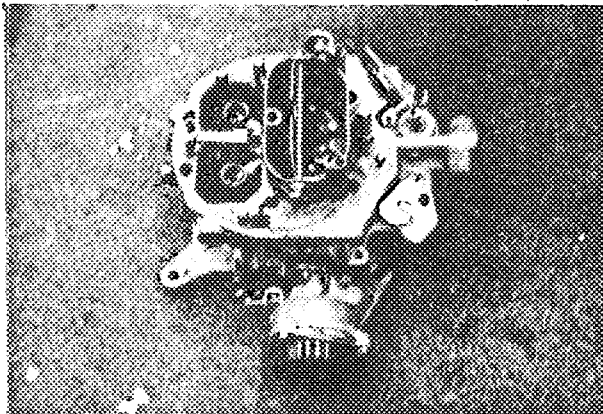
MAKE FORD
J ENGINE RIGHT (**)



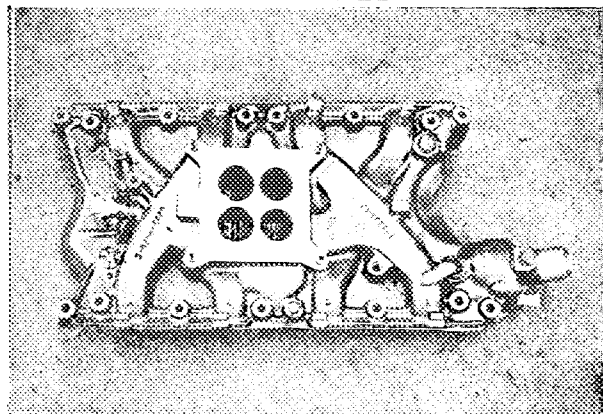
L COMBUSTION CHAMBER



N CARBURETOR (*)

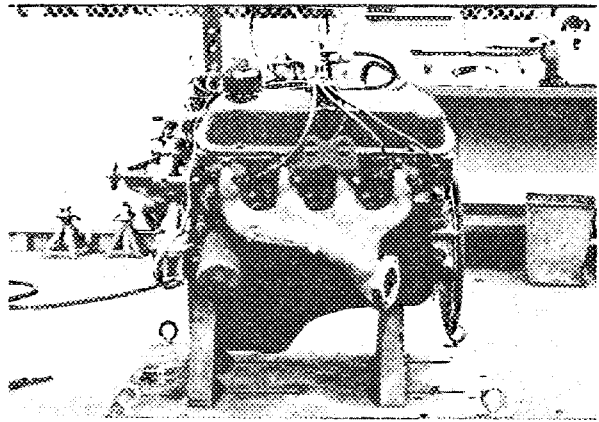


P MANIFOLD INLET

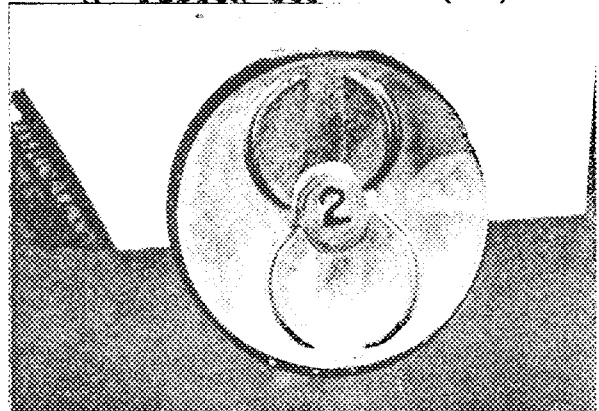


MODEL '69 Mustang 351 H.T.FIA REC #5252

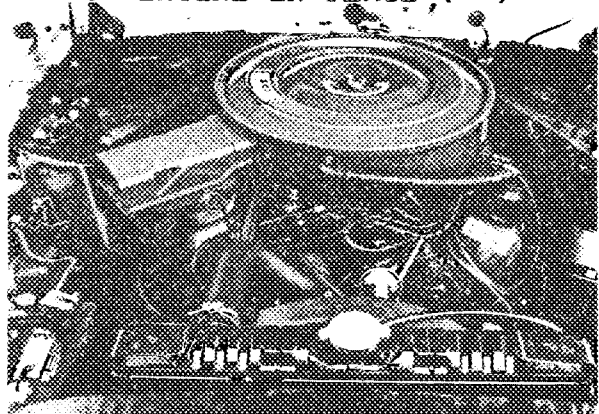
K ENGINE LEFT (**)



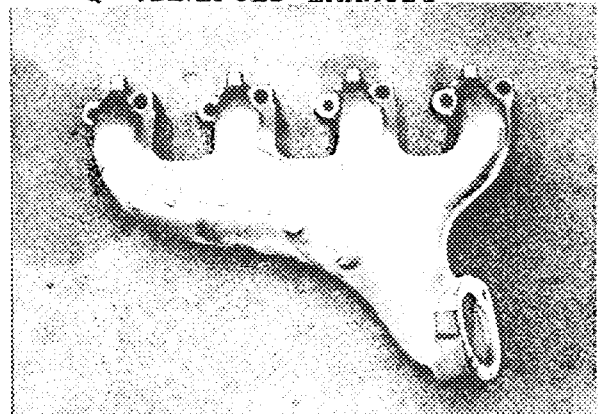
M PISTON TOP (*)



O ENGINE IN PLACE (**)



Q MANIFOLD EXHAUST



Strip out: ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES. STAMP STAMP

M
351
H.T.
G1

MAKE

FORD

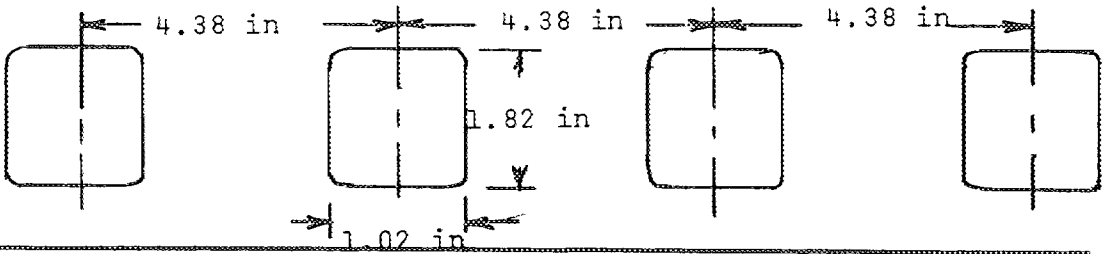
MODEL '69 Mustang 351 HTFIA REC # 5252

M
351
H.T.
G1

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

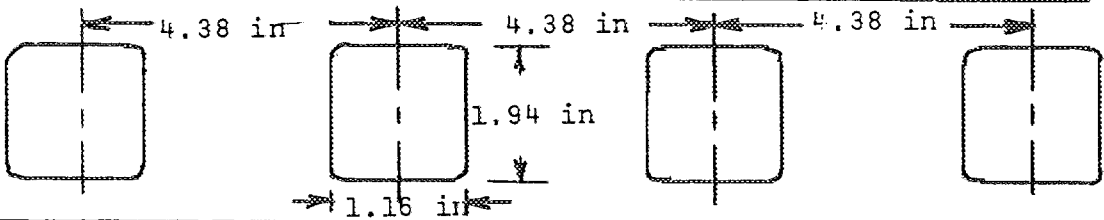
*Inlet

Manifold
Porting
Cyl.
Head
Face



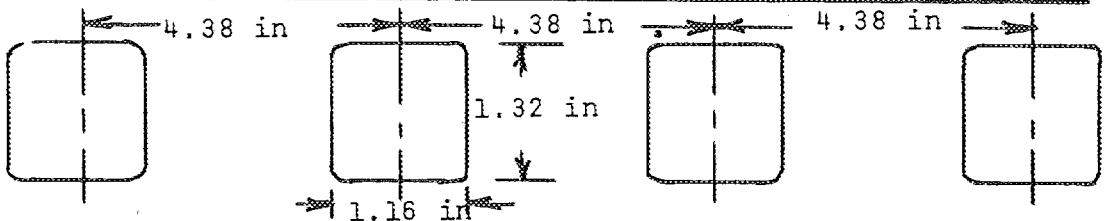
*Cylinder

Head
Porting
Inlet
Face



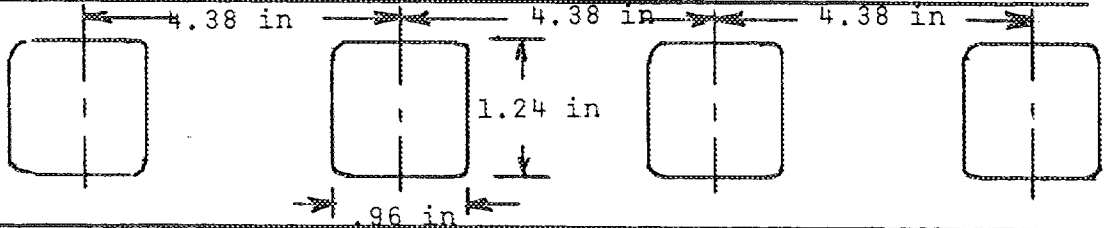
*Exhaust

Manifold
Porting
Cyl. Head
Face

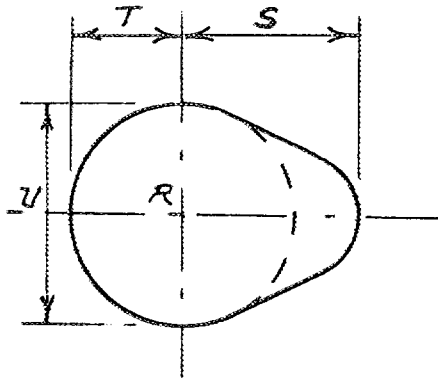


*Cylinder

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

STAMP

STAMP

MAKE FORD MODEL '69 Mustang 351 H.T. FIA REC # 5252

M
351
H.T.
GI

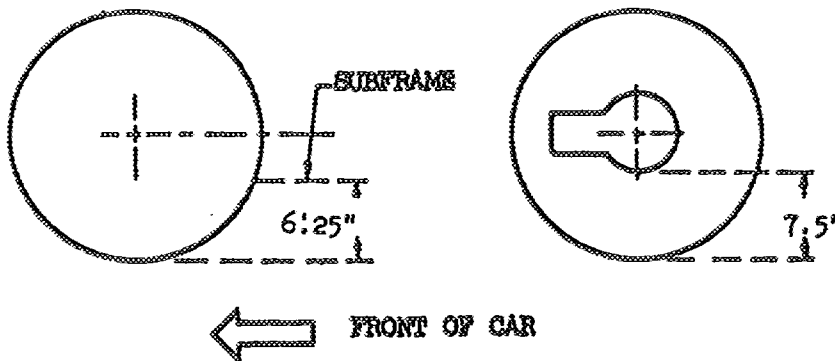
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system.
See conversion table at index.

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 181.0 cm 71.3 in
- 6. Overall height of car 130.0 cm 51.3 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. 1299 kg 2857 lbs

STAMP

STAMP

MAKE FORD MODEL '69 Mustang 315 H.T. FIA REC # 5252

M
351
H.T.
GI

CHASSIS & BODYWORK - Photos A, B, C

- (**) 20. Chassis/body construction - ~~separate~~/unit construction
(**) 21. Unit construction - material/s Sheet Steel
(**) 22. Chassis - material/s separate construction
(**) 23. Body - material/s separate construction
(**) 24. Doors - number 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

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
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 4.64
63. In case of servo assistance 3.74

STAMP

STAMP

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 One (1) Dual
(indicate if duplex master cylinder) Front Rear
- 93. Cylinders - number per wheel One (1) One (1)
- 94. Cylinders - wheel bore mm 2.375 in mm .875 in
(indicate stepped bore dimensions if applicable)

Drum Brakes

- | | <u>Front</u> | <u>Rear</u> |
|------------------------------|--|--|
| 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 508 mm | 2.00 in |
| 98. Shoes - number per brake | Two (2) | |
| 99. Area, total - per brake | mm ² in ² 24,916.1 | mm ² 238.68 in ² |

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 | mm ² 220.2 in ² | mm ² | in ² |

STAMP

STAMP

MAKE FORD MODEL '69 Mustang 351 H.T. FIA REC # 5252 T. M 351 61

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 10.7:1
(*) 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
STAMP STAMP

MAKE FORD

MODEL '69 Mustang 351 HT FIA REC # 5252

M
351
H.T.
GI

- (*) 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) Hydraulic mm 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

STAMP

STAMP

MAKE Ford

MODEL '69 Mustang 351^{HT}

RIA REC # 5252

M
351
H.T.
GI

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 1.437Pri.in
39.68 1.562Sec.
- 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.

STAMP

STAMP

MAKE FORD MODEL '69 Mustang 351 HT FIA REC # 5252

M
351
H.T.
G1

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

STAMP

STAMP

MAKE FORD

MODEL '69 Mustang 351

HT FIA REC # 5252

M
351
H.T.
G1

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		Automatic		Alternative manual/automatic			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.78	$\frac{23}{30}$ $\frac{32}{15}$	2.46		2.32	$\frac{23}{25}$ $\frac{32}{15}$		
2	1.93	$\frac{23}{30}$ $\frac{31}{21}$	1.46	Torque Converter Maximum Ratio at Stall 2.02:1	1.69	$\frac{23}{25}$ $\frac{28}{18}$		
3	1.36	$\frac{23}{30}$ $\frac{25}{24}$	1.00		1.29	$\frac{23}{25}$ $\frac{25}{21}$		
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 \neq Positive Locking - By Ratchet or Friction
- 293. Ratio 3.00 3.25 3.50 3.70 3.89 4.11
Teeth - number $\frac{39}{13}$ $\frac{39}{12}$ $\frac{35}{10}$ $\frac{37}{10}$ $\frac{35}{9}$ $\frac{37}{9}$
- (\neq) Specify friction or positive locking type
STAMP STAMP

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.

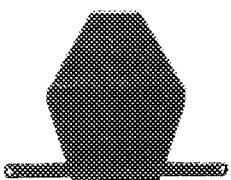
During the technical inspection of cars entered in Group IV (Sports Cars) only the following items of the present recognition form are to be taken into consideration:

- 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.

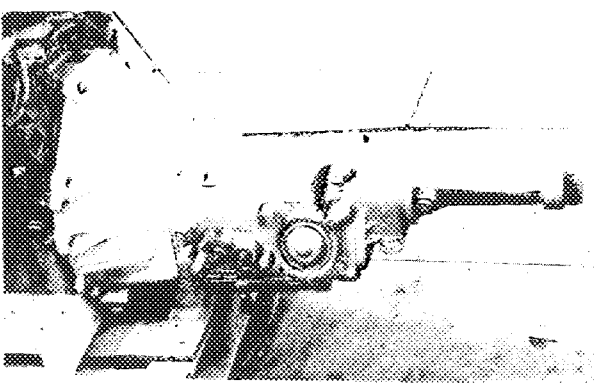
Optional equipment affecting preceding information:

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



Sump Guard



Automatic Gearbox Photo "H"

STAMP

STAMP

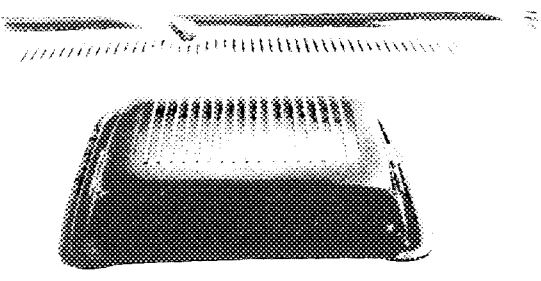
MAKE FORD

'69 MUSTANG
MODEL 351 H.T.

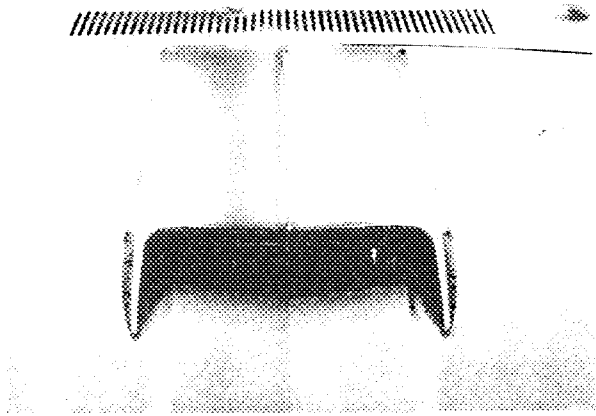
FIA REC # 5252

M
351
H.T.
G1

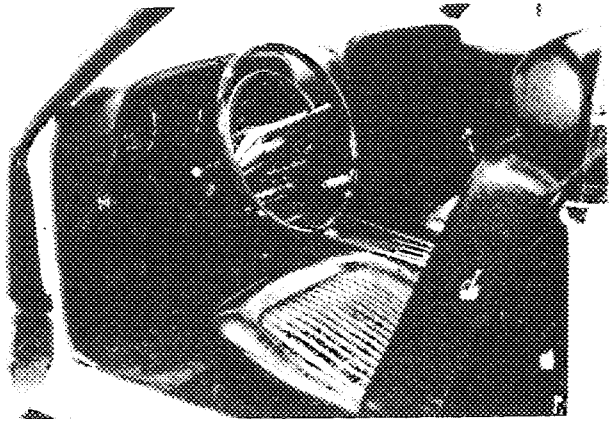
Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



Hood Scoop Package - Die Cast



Hood Scoop Package - Fiberglass



Interior with Automatic Shift

STAMP

STAMP