



AUTOMOBILE COMPETITION COMMITTEE
FOR THE UNITED STATES, F.I.A., INC.

433 MAIN ST.
STAMFORD, CONN. 06901
(203) 348-6233

5251

M
302
H.T.
GI

Federation Internationale de l'Automobile
FORM OF RECOGNITION

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

Cylinder capacity 4948.9 cm3 302 in3

Manufacturer Ford Motor Company Model 1969 Mustang 302 Hardtop

Serial # Chassis 9 01 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, 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:

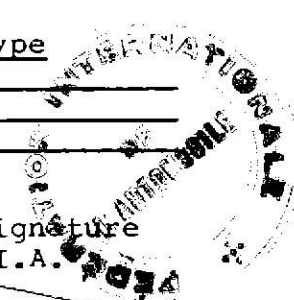
Variants
on 19 rec # list
on 19 rec # list
on 19 rec # list

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

Stamp/Signature of
National Sporting Authority



Stamp/Signature
F.I.A.

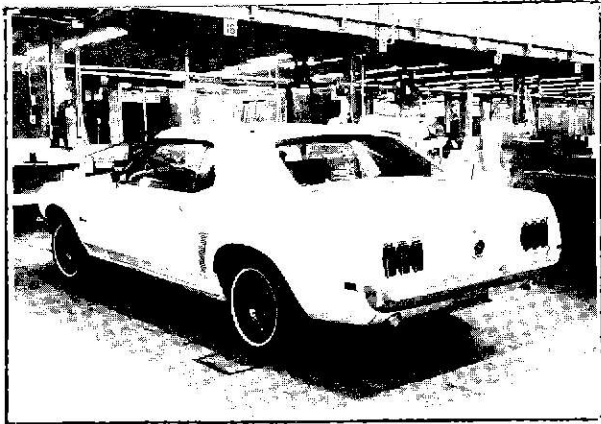


MAKE Ford

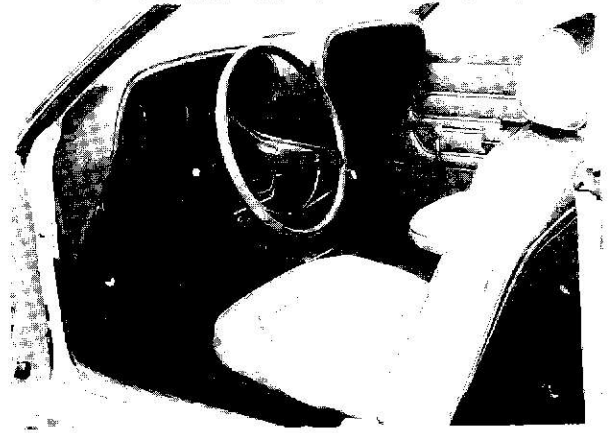
MODEL '69 Mustang 302 H.T. FIA REC # 5251

M
302
H.T.
GI

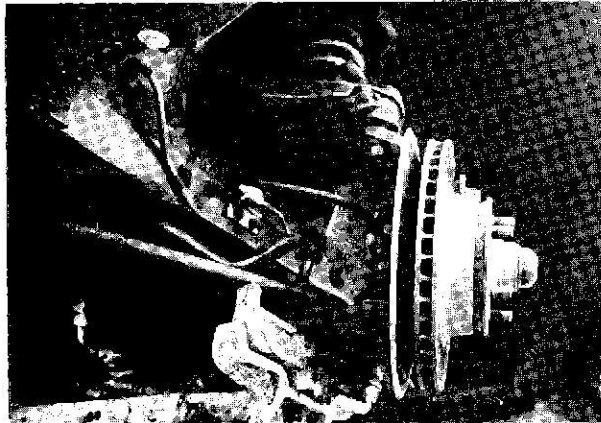
B 3/4 rear car (**)



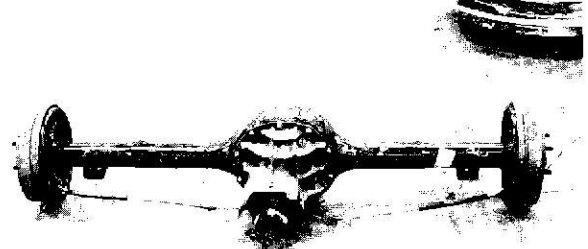
C interior-car (**)



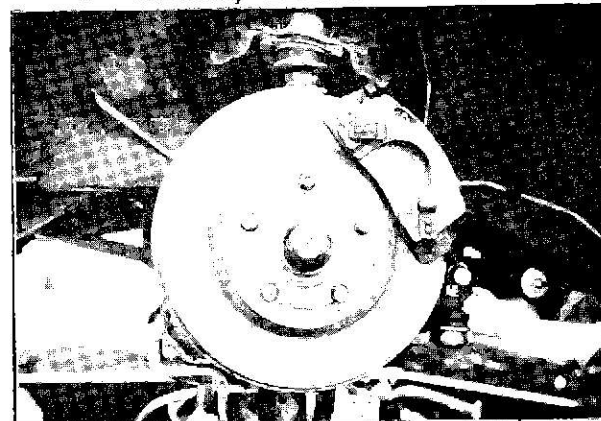
D front axle (**)



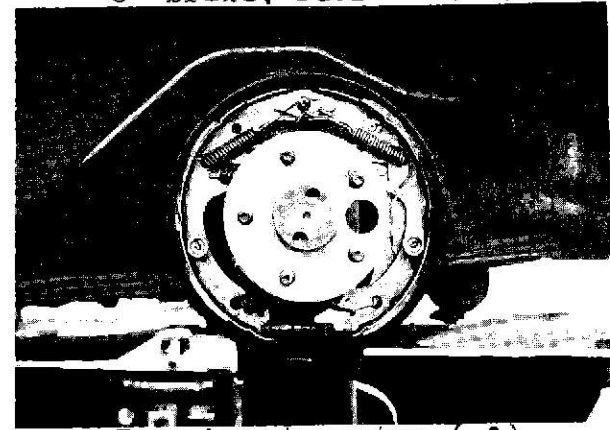
E rear axle (**)



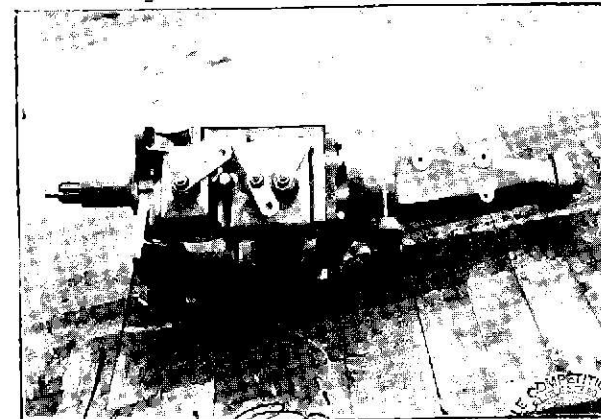
F brake, front (**)



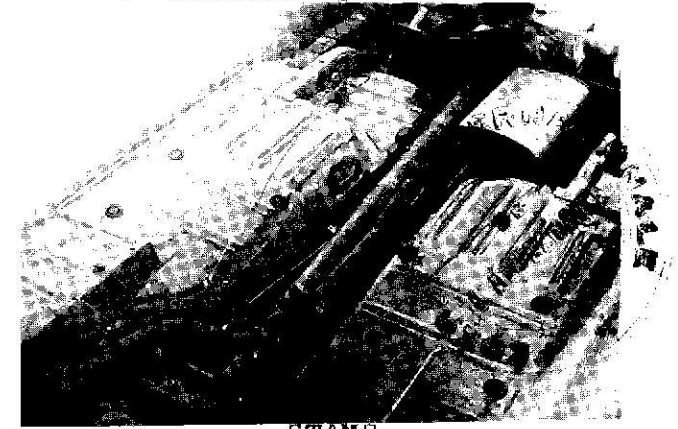
G brake, rear (**)



H gear box (**)



I exhaust system (*)



STAMP *John & Oliver*



STAMP

MAKE

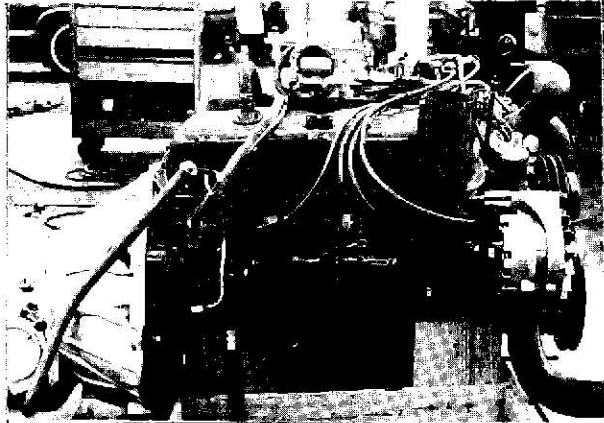
Ford

MODEL

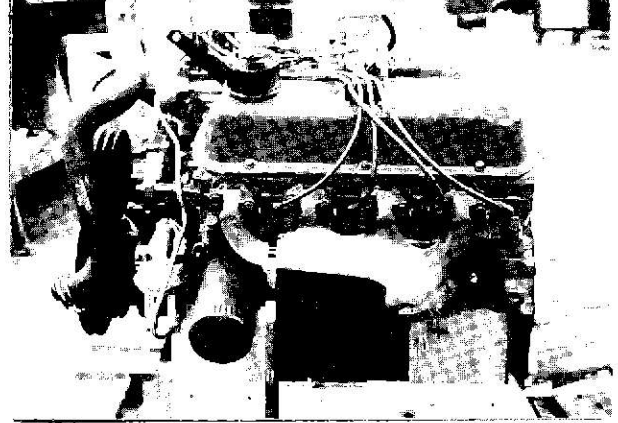
69 Mustang 302 H.T.FIA REC # 5251

M
302
H.T.
GI

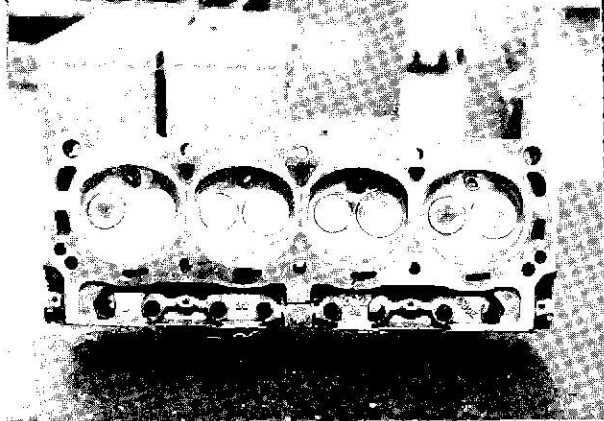
J ENGINE RIGHT (**)



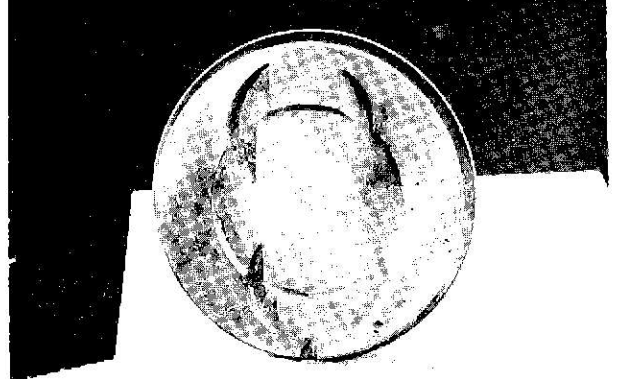
K ENGINE LEFT (**)



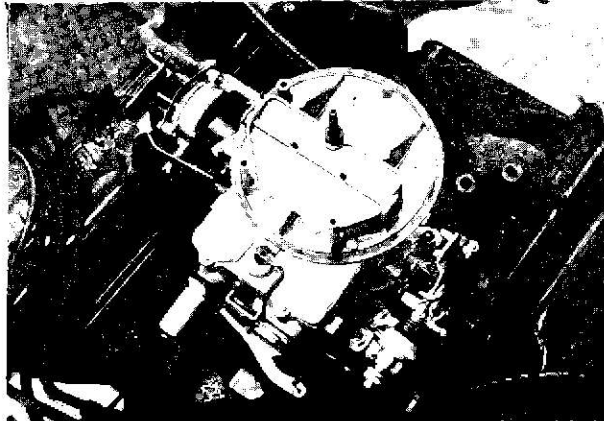
L COMBUSTION CHAMBER



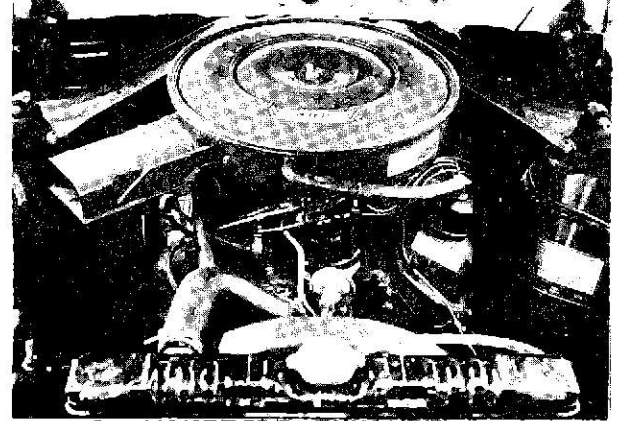
M PISTON TOP (*)



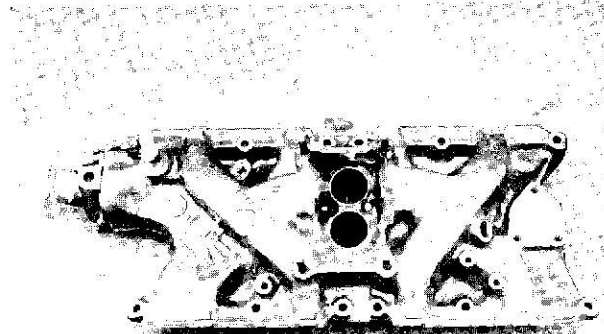
N CARBURETOR (*)



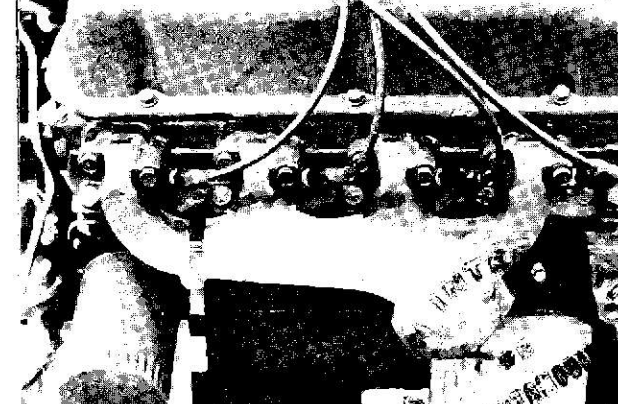
O ENGINE IN PLACE (**)



P MANIFOLD INLET



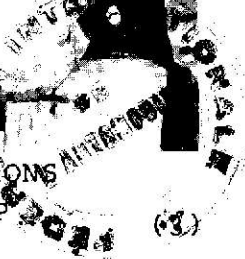
Q MANIFOLD EXHAUST



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

STAMP

STAMP



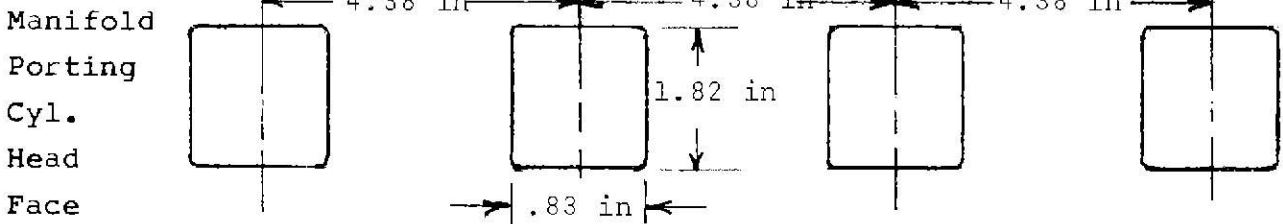
MAKE Ford

MODEL '69 Mustang 302 H.T.F.I.A REC # 5251

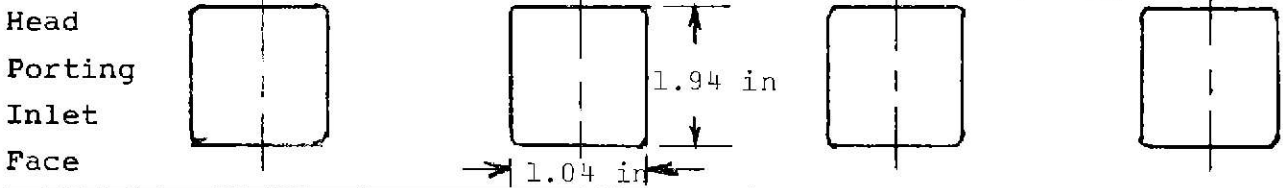
M
302
H.T.
GI

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

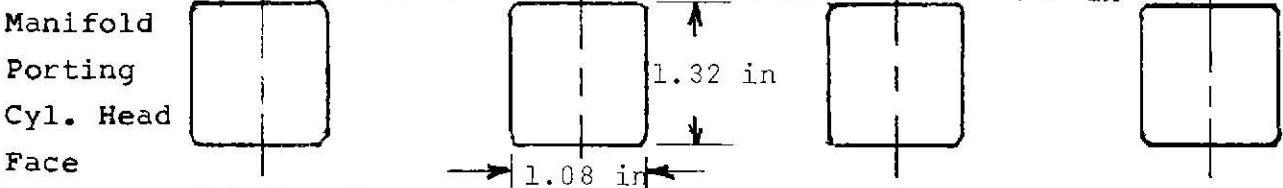
• Inlet



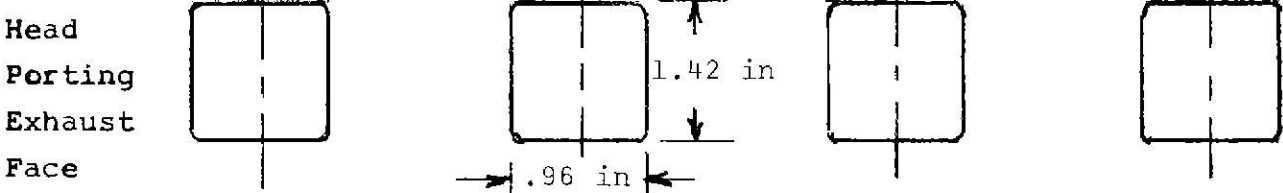
• Cylinder



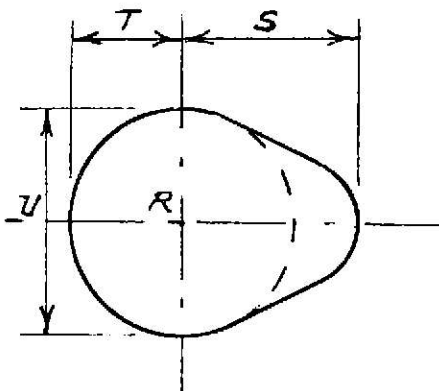
• Exhaust



• Cylinder



CAM



Inlet cam

S= 24.59 mm .9698 in
 T= 18.82 mm .741 in
 U= 37.64 mm 1.482 in

Exhaust cam

S= 24.83 mm .9775 in
 T= 18.82 mm .741 in
 U= 37.64 mm 1.482 in

STAMP

John A. Clavan



STAMP



MAKE Ford MODEL '69 Mustang 302 H.T.FIA REC # 5251

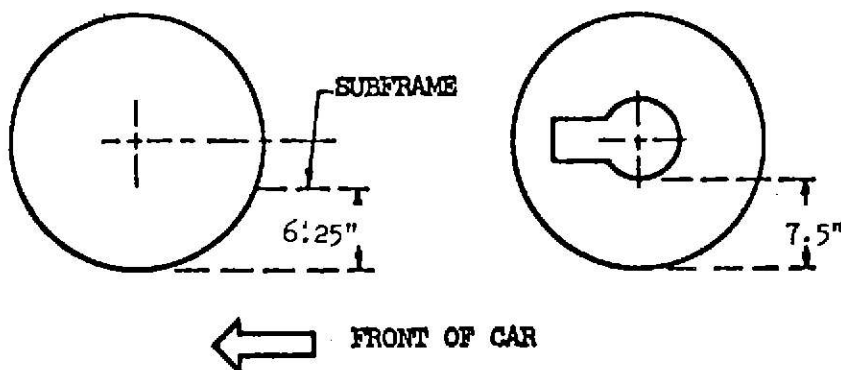
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system.
See conversion table at index.

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* see note below application forms.

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.

~~1250~~ kg ~~2750~~ lbs
1345 STAMP 2965

STAMP

John A. Clavin



OKW

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

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) 14.8kg 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

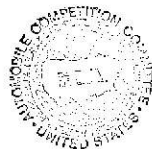
- 50. Type Steel
- 51. Weight (per wheel, without tire) 8.9kg 19.5 lbs
- 52. Method of attachment Stud and nut (5)
- 53. Rim, diameter 356/381 mm 14/15 in
- 54. Rim, width 152/152 mm 6/6 in

STEERING

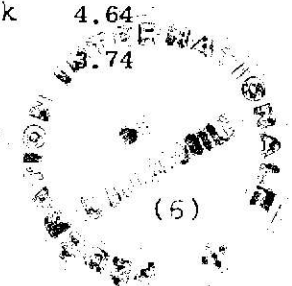
- 60. Type Recirculating ball and nut
- 61. Servo assistance Optional
- 62. Number of turns of steering wheel from lock to lock 4.64
- 63. In case of servo assistance 5.74

STAMP

John J. O'Leary



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
- 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 254 in | mm 10.0 in |
| 96. Linings, length | mm 491.2 in | mm 19.34 in |
| 97. Linings, width | mm 44.4 in | mm 1.75 in |
| 98. Shoes - number per brake | two (2) | |
| 99. Area, total - per brake | mm ² in ² 21,809.3 | mm ² 33.84 in ² |

Disc Brakes

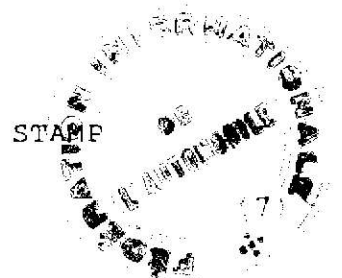
- | | | |
|------------------------------|---|---------------------------------|
| 100. Diameter, outside | 287 mm 11.3 in | mm in |
| 101. Thickness of disc | 23.81 mm .9375 in | mm in |
| 102. Lining - length | 124.5 mm 4.9 in | mm in |
| 103. Lining - width | 52.6 mm 2.07 in | mm in |
| 104. Pads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

STAMP

John A. Oliver



STAMP



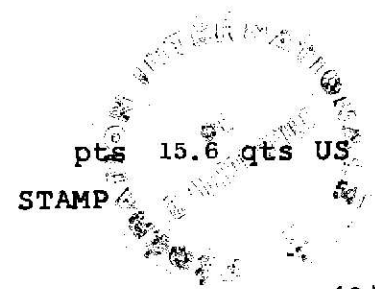
MAKE Ford MODEL '69 Mustang 302 H.T. FIA REC # 5257

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 101.6 mm 4.0 in
- (**) 134. Stroke 76.2 mm 3.0 in
- (**) 135. Cylinders - capacity 619.4 cm3 37.8 in3
- (**) 136. Cylinders, total capacity 4948.9 cm3 302 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 9.5:1
- (*) 143. Combustion chamber - volume 56.7cm3 3.46 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 40.77 mm 1.605 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 5.0 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

John K. Clonan



MAKE Ford

MODEL '69 Mustang 302 H.T. FIA REC # 5257

M
302
H.T.
GI

- (*) 156. Fan, cooling (if fitted) - diameter 44.6 cm 17.56 in
- (*) 157. Fan, cooling - number of blades 4/5 material/s steel

BEARINGS

- (**) 158. Crankshaft, main - type insert diameter 57.11mm 2.249 in
- (**) 159. Connecting rod, big end - type insert diameter 53.93mm 2.1232 in

WEIGHTS

- (*) 160. Flywheel (clean) 9.48 kg 2.09 lbs
- (*) 161. Flywheel with clutch (all rotating parts) 18.29 kg 40.73 lbs
- (*) 162. Crankshaft 18.64 kg 41.1 lbs
- 163. Connecting Rod .56 kg 1.24 lbs
- (*) 164. Piston with rings & pin .81 kg 1.79 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 45.42 mm 1.788 in
- (*) 182. Valve lift - maximum 9.35 mm .368 in
- 183. Springs, valve - number one (1)
- 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) 16° BTC
- (*) 188. Valves - close at (with tolerance for tappet clearance indicated) 70° ABC
- (*) 189. Air filter - type dry element

STAMP

STAMP

John A. Oliver



MAKE Ford

MODEL '69 Mustang 302 HTRIA REC # 5257

M
302
H. T.
GI

EXHAUST (See Photo Q)

- 195. Manifold, exhaust - material/s Cast iron
- 196. Valves (overall) - diameter 37.01 mm 1.457 in
- 197. Valve, lift - maximum 9.65 mm .380 in
- 198. Valve Springs/valve - number one (1)
- 199. Springs - type coil
- (**) 200. Valves - number per cylinder one (1)
- (*) 201. Tappet - clearance for checking timing (cold)
mm in hydraulic
- (*) 202. Valves - open at (with tolerance for tappet
clearance indicated) 44° BBC
- (*) 203. Valves - close at (with tolerance for tappet
clearance indicated) 20° ATC

CARBURETION (See Photo N)

- 210. Carburetors, fitted - number one (1)
- 211. Type downflow
- (*) 212. Make Ford G.P.D.
- (*) 213. Model 2100
- 214. Carburetors - number of mixture passages two (2)
- (*) 215. Carburetor - flange hole diameter of exit port
39.67 mm 1.562 in
- 216. Venturi - throat diameter+ 27.43 mm 1.08 in

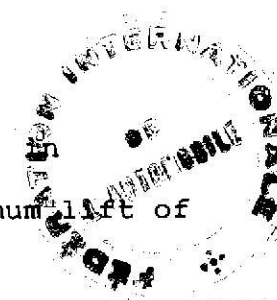
INJECTION

- 220. Pump - make
- 221. Plungers - number
- (*) 222. Pump - model None Fitted
- 223. Injectors - location
- 224. Injectors - total number
- (*) 225. Inlet pipe - minimum diameter mm

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

STAMP

STAMP



Plus & Oliver



MAKE Ford MODEL '69 Mustang 302 HT.FIA REC # 5257

M
302
H.T.
GI

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 220 at 4600 rpm S.A.E.
(indicate SAE or DIN)
- (*) 251. RPM - maximum 4600 output at that figure 220 S.A.E.
- (*) 252. Torque - maximum 300 at 2600 rpm
- (*) 253. Speed - maximum km/hour miles/hour

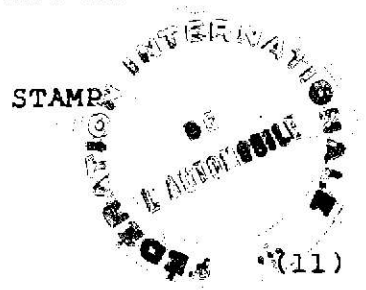
DRIVE TRAIN

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 17.15cm 6.75 in
- Linings - diameter - outside 25.4 cm 10.0 in
- 264. Method of operation mechanical

STAMP

John W. Brown



MAKE Ford

MODEL '69 Mustang 302 HT FIA REC # 5257

M
302
H.T.
GI

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 convertor
- (**) 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	Torque convertor maximum ratio at stall 2.02:1	2.32	$\frac{23}{25} \frac{32}{15}$		
2	1.93	$\frac{23}{30} \frac{31}{21}$	1.46		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

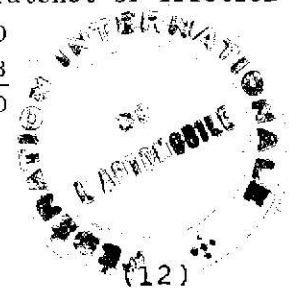
FINAL DRIVE

- (**) 290. Type Hypoid, semi-floating, straddle mounted pinion
- (**) 291. Differential - type Locking - by ratchet or friction
- (**) 292. Limited Slip Differential (if fitted) - type / positive locking by ratchet or friction
- 293. Ratio 3.25 3.50 3.70 3.91 4.11 4.30
- Teeth - number $\frac{39}{12}$ $\frac{35}{10}$ $\frac{37}{10}$ $\frac{43}{11}$ $\frac{37}{9}$ $\frac{43}{10}$

(/) Specify friction or positive locking type

STAMP

STAMP



MAKE Ford MODEL '69 Mustang = 302 H.T. FIA REC # 5257 M
302
H.T.
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.

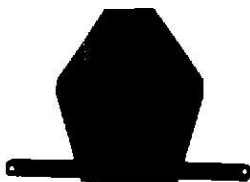
During the technical inspection of cars entered in Group IV (Sports Cars) only the following items of the present recognition form are to be taken into consideration: .

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

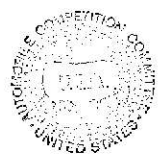


Sump Guard

STAMP

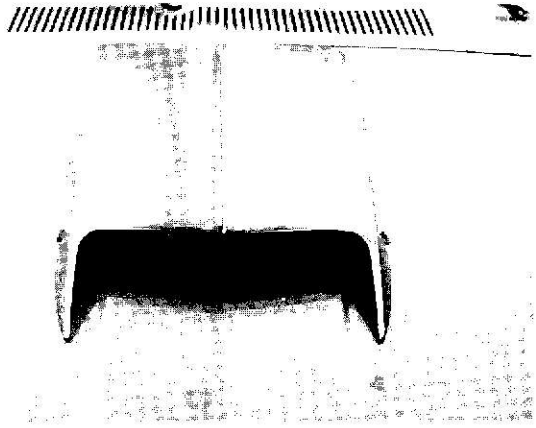
STAMP

John A. Oliver

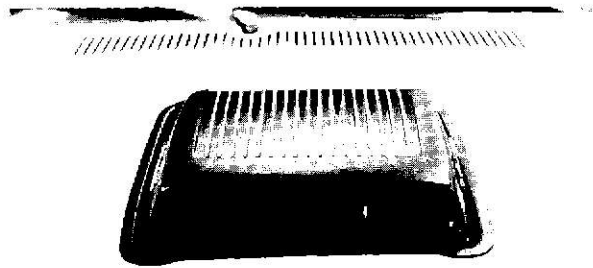


MAKE Ford MODEL '69 Mustang - 302 H.T. FIA REC # 5257 M
 302
 H.T.
 G1

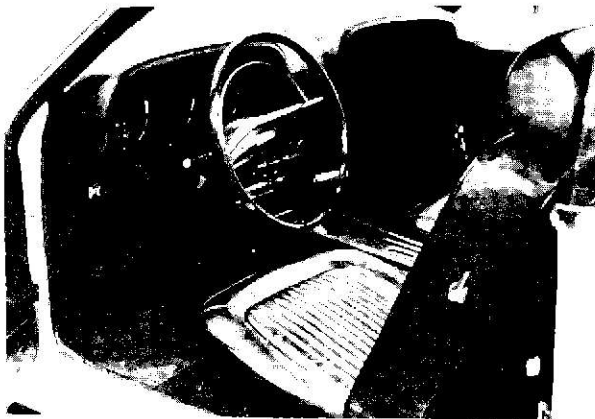
Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



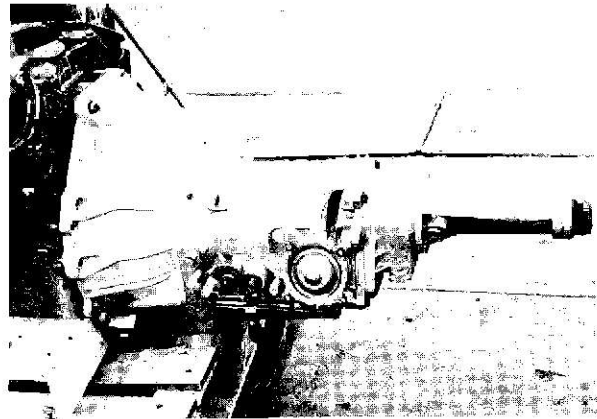
Hood Scoop Package - Fiberglass



Hood Scoop Package - Die Cast



Automatic Shift Lever



Automatic Gearbox Photo "H"

STAMP

John & Oliver



STAMP



Nils B. [unclear]
Swedish [unclear] [unclear]
[unclear] [unclear] 22 (IV)
[unclear]

757#5051 1/1/72

MAR 25 1969

JANUARY 71 MS B

interdit l'installation de réservoirs souples, peuvent continuer à participer aux épreuves automobiles internationales à condition qu'elles remplissent leur réservoir d'essence avec de la mousse synthétique répondant aux normes américaines Mil-B-83054 - baffle material.

Groupe 5/1972

La participation des voitures en groupe 5 ne sera pas sujette en 1972 à la présentation d'une fiche d'homologation.

Eléments de Carrosserie allégés

A partir du 1.1.1972, l'homologation comme variante de tout élément de carrosserie allégé tel que portière, capot moteur ou capot de coffre en fibre de verre, glaces latérales et lunette AR en plexiglas, sera interdite.

A partir de cette date, toute homologation existante d'un tel équipement sera annulée.

*
* *
*

- POIDS DES VOITURES HOMOLOGUEES

La C.S.I. a procédé à un réajustement du poids de base de certaines voitures homologuées en Tourisme ou Grand Tourisme après avoir informé les A.S.N. et les constructeurs concernés.

A la suite des opérations de contrôle, le poids de 29 modèles a été modifié par rapport au poids indiqué sur la fiche d'homologation. Lors des vérifications techniques, les Commissaires devront s'assurer que le poids des véhicules qui leur sont soumis, est au moins égal aux chiffres donnés ci-dessous et qui figurent dans leur majorité dans l'Annuaire 1971 du Sport Automobile.

ALFA ROMEO	N° 1576	1750 GTAM	970 kg
ALPINE	N° 585	A110 - 1300	685 kg
B M W	N° 5331	2002 TI	920 kg
CHEVROLET	N° 5310	CAMARO 350	1520 kg
CHEVROLET	N° 523	CORVETTE STINGRAY	1370 kg
FORD VI	N° 5240/5241	P7/20 M	1100 kg
	N° 5298	CAPRI 2.3L	950 kg
	N° 1584	P7 2600 S	1150 kg
FORD Mo.Co.	N° 5176	CORTINA LOTUS	835 kg
	N° 5211	ESCORT GT	770 kg
	N° 5302	CAPRI 2000	920 kg
	N° 1524	TWIN CAM	790 kg

January 71 MSB

- 8 -

FORD MUSTANG	N° 5248	FB 302	1450 kg
	N° 5249	FB 351	1485 kg
	N° 5250	FB 428	1565 kg
	N° 5251	H.T. 302	1345 kg
	N° 5252	H.T. 351	1485 kg
	N° 5253	H.T. 428	1565 kg
	N° 5273	Boss 302	1450 kg
LANCIA	N° 3002	Fulvia Rallye 1.3.	880 kg
	N° 3006	Fulvia 1.6 HF	830 kg
	N° 3020	Fulvia 1.3 S	880 kg
	N° 3024	Fulvia 1.3 HF	810 kg
	N° 3031	Fulvia Sport 1.3	850 kg
MERCURY	N° 5274	Cougar 351	1525 kg
TOYO KOGYO	N° 5316	1800 Luce	1025 kg
	N° 5349	1200 STA	755 kg
	N° 1541	M10A Rotary	850 kg
VAUXHALL	N° 1533	Viva GT	930 kg

BP/DS



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 302 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_01_100001, and engine numbers None.

Signed:

J. H. Passino
J. H. Passino, Manager
Special Vehicles Activity
Product Development Group

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

Certified:

ACCUS, FIA, Inc.