



FORD - MUSTANG HARDTOP (1967)

MARQUE ET MODELE

-

VALIDITE HOMOLOGATION

5128

FICHE NR.

1 / 5000

GRUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 26/10/85 par Perr visée ce jour le _____ par _____

MAKE FORD MODEL '67 Mustang Hardtop FIA REC # 5128

1454



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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

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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.



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

Cylinder capacity 4740 cm³ 289 in³

Manufacturer Ford Motor Company Model 1967 Mustang Hardtop

Serial # Chassis 7F01C-100001 Manufacturer Ford

Serial # Engine Same Manufacturer Ford

Recognition valid from _____ List _____

The manufacturing of the model described in this recognition form was started on 8-22 and the minimum production of 10,000 identical cars, in accordance with the specifications of this form, was reached on 10-7, 1966.

- (*) 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

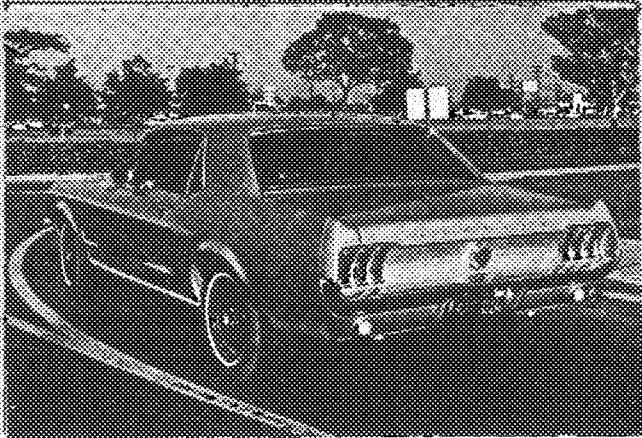
Stamp/Signature
F.I.A.

MAKE FORD

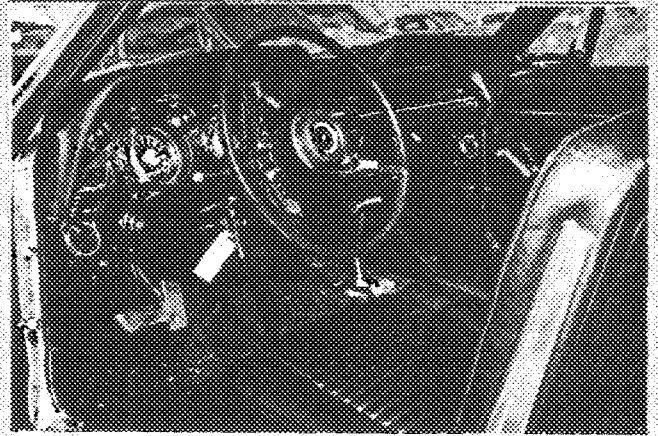
MODEL '67 Mustang Hardtop

FIA REC # 5128

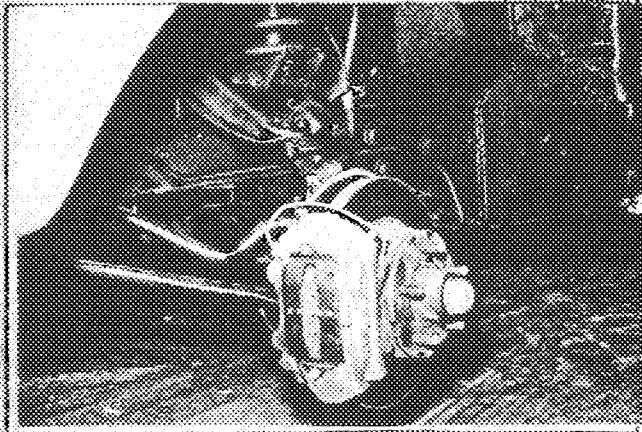
B 3/4 rear car (**)



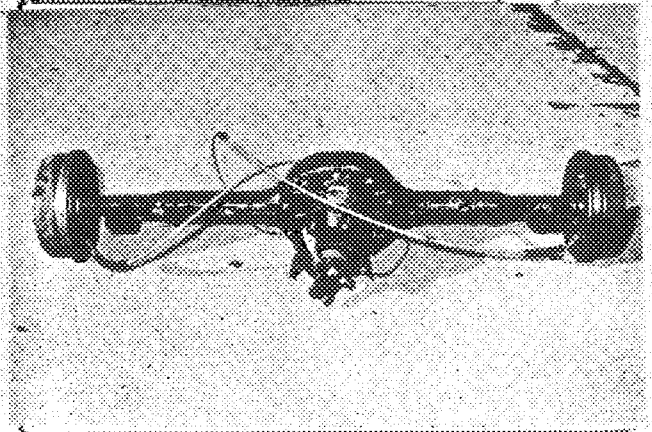
C interior-car (**)



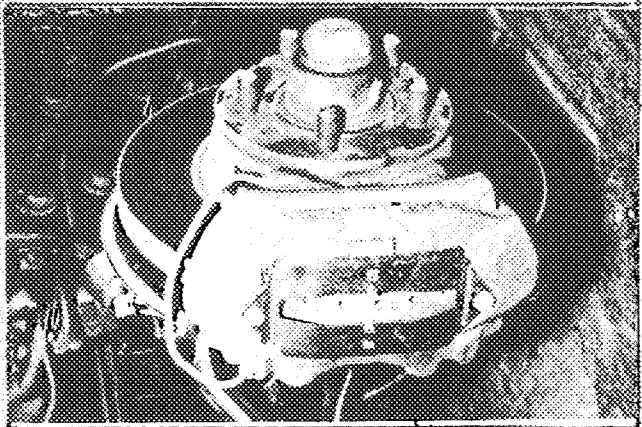
D front axle (**)



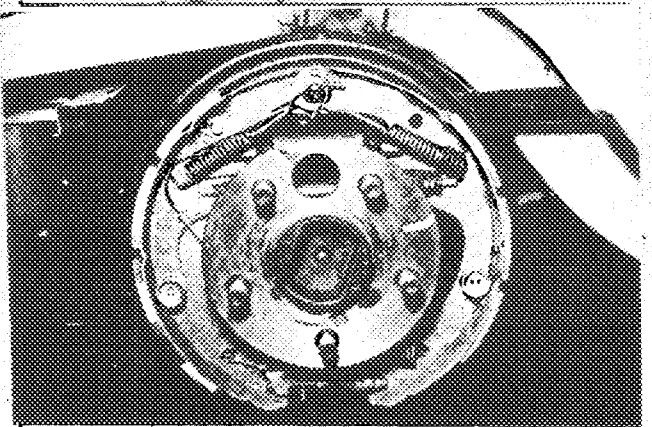
E rear axle (**)



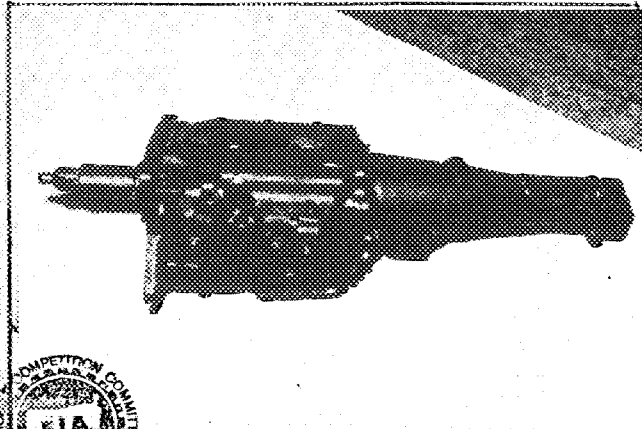
F brake, front (**)



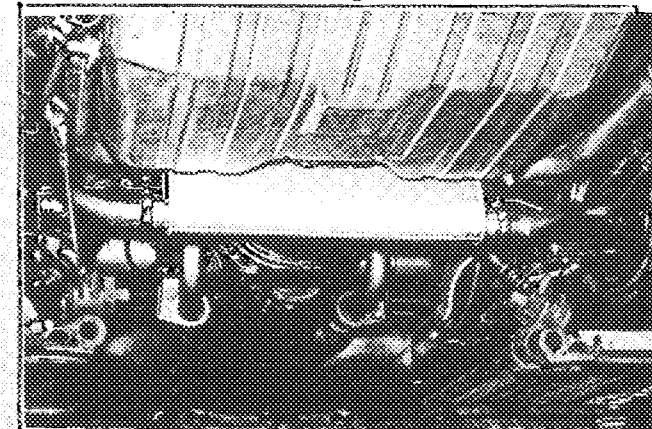
G brake, rear (**)



H gear box (**)



I exhaust system (*)



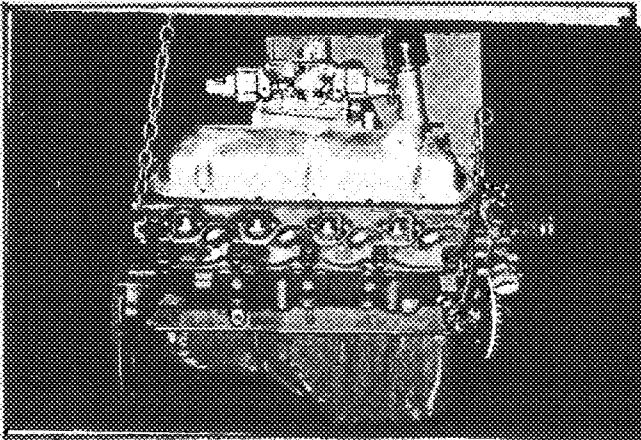
STAMP



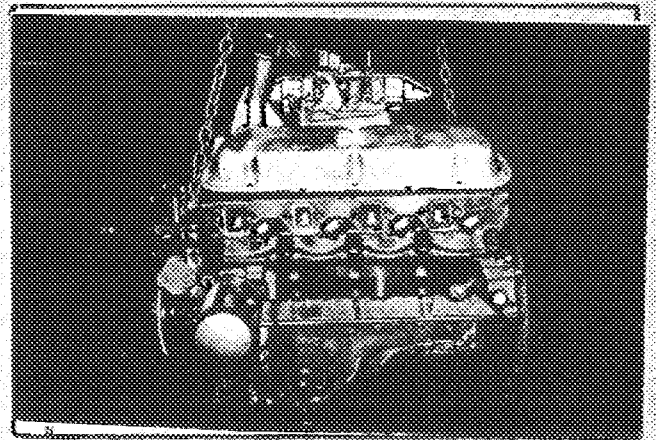
See alternatives page 14

(2)

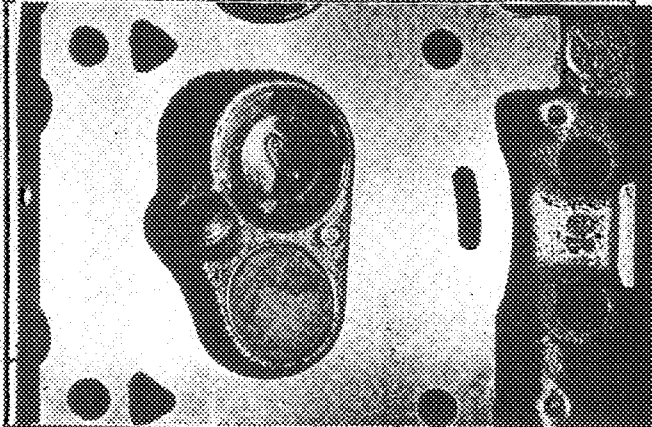
J ENGINE RIGHT (**)



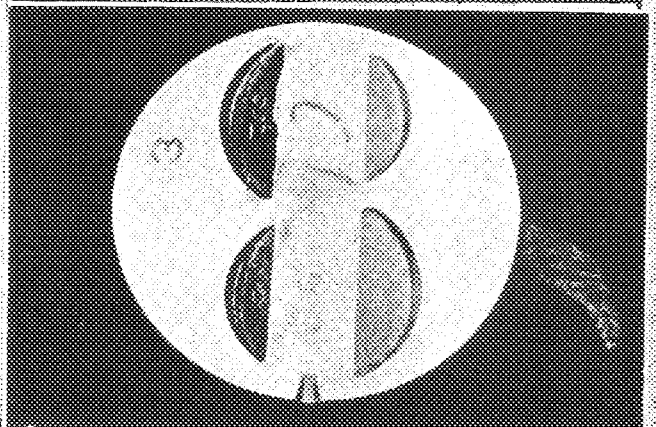
K ENGINE LEFT (**)



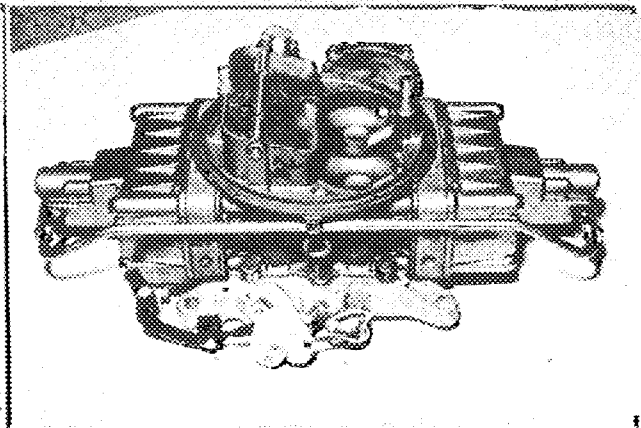
L COMBUSTION CHAMBER



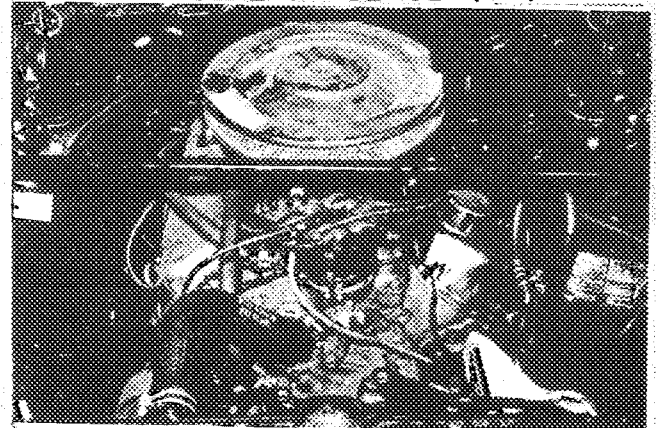
M PISTON TOP (*)



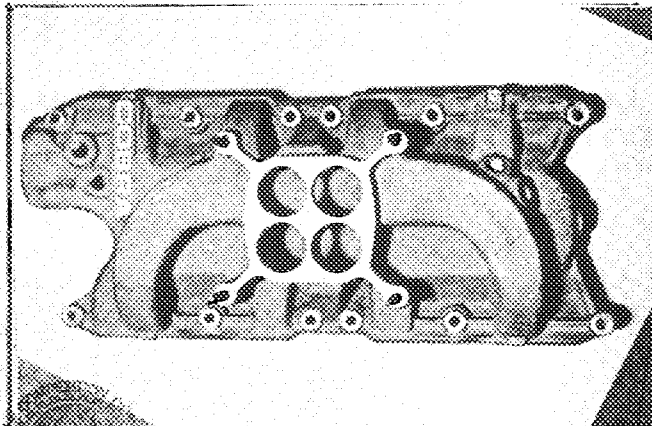
N CARBURETOR (*)



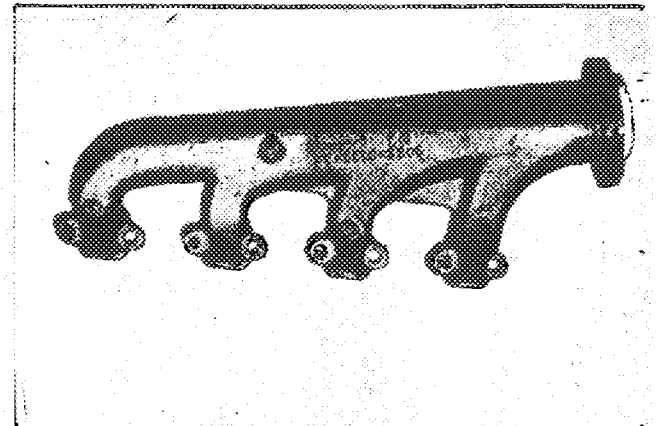
O ENGINE IN PLACE (**)



P MANIFOLD INLET



Q MANIFOLD EXHAUST

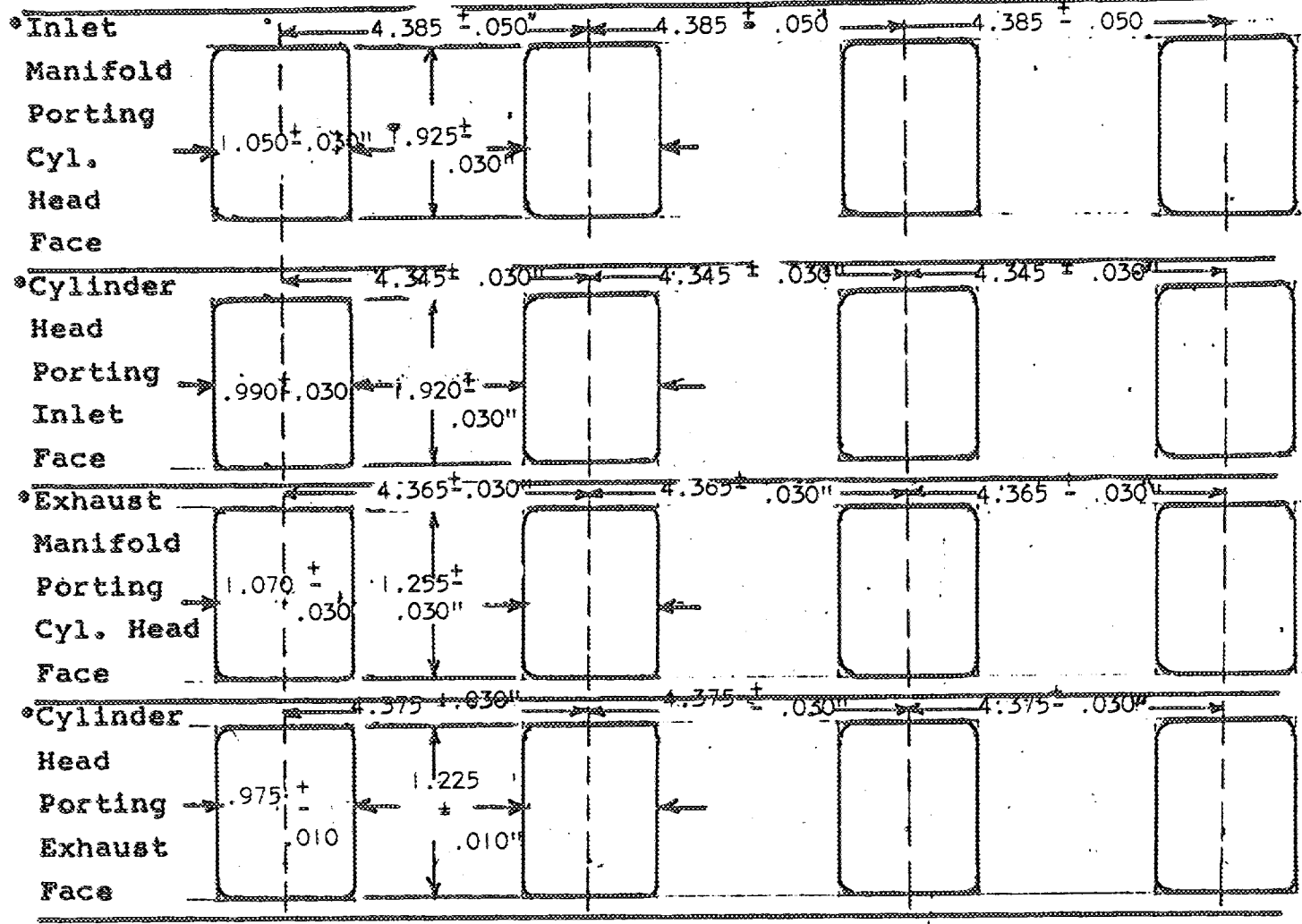


Strip out: ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES.

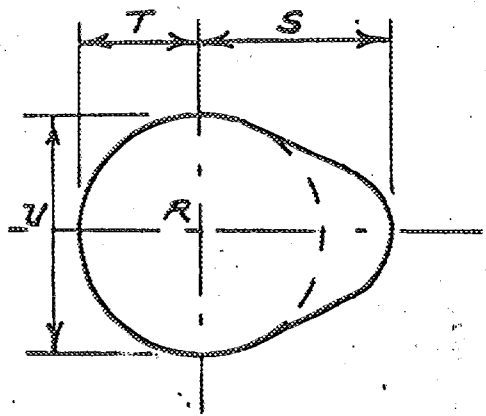
STAMP

STAMP

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



CAM



Inlet cam
 S = 25.476 mm 1.003 in
 T = 17.869 mm .7035-.705 in
 U = 17.920 mm 2 X T in

Exhaust cam
 S = 25.476 mm 1.003 in
 T = 17.869-17.920 mm .7035-.705 in
 U = 2 X T mm 2 X T in

STAMP

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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.

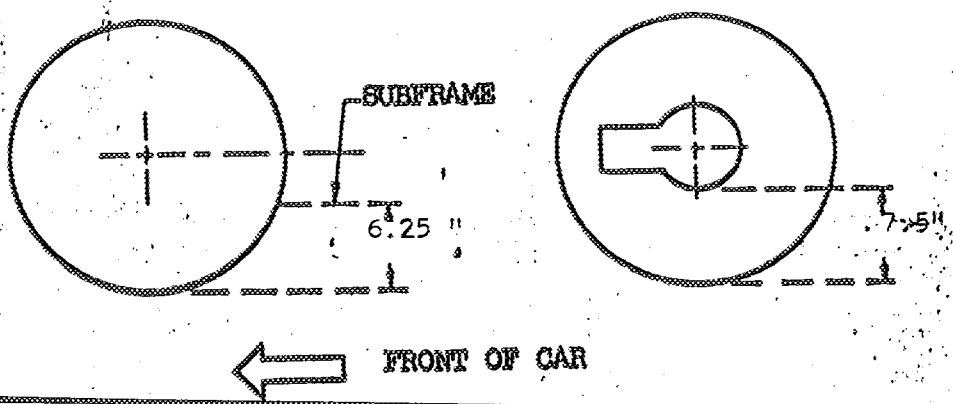
CAPACITIES & DIMENSIONS

(**)	1. Wheelbase	2743.2	mm	108	in	
(**)	2. Front track	1483.4	mm	58.4	in	+ At 0° Camber - 0° Toe - In
(**)	3. Rear track	1475.7	mm	58.1	in	+ "See Note"

+ Differences in track resulting from use of optional wheel and rim sizes must be stipulated on recognition 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	466.34	cm	183.6	in
5.	Overall width of car	180.086	cm	70.9	in
6.	Overall height of car	131.064	cm	51.6	in
7.	Capacity of fuel tank (reserve included)	128.7 or 64.3		ltrs.	
		34 or 17	gallons US		gallons, Imp.
8.	Seating capacity	4			
(**)	9. Weight - total weight of car with normal equipment, water, oil and spare wheel but without fuel or repair tools.	1189	kg	2620	lbs



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JVO

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 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 DNA
- 31. Windows - actuating system Regulator
- 32. Window, rear quarter - material/s Glass

ACCESSORIES AND UPHOLSTERY

- 38. Heating, interior - yes no
- 39. Air conditioning - yes no
- 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) 16.0 kg 35.2 (Pair) lbs
- CHECK: BENCH _____ BUCKET X _____ CONSOLE INCLUDED _____
- 43. Seats, rear - type of seat and upholstery Bench Vinyl
- 44. Bumper, front - material/s Steel kg 4.07 lbs 9 Weight
- 45. Bumper, rear - material/s Steel kg 6.33 lbs 14 Weight

WHEELS

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

SUSPENSION

- (**) 70. Suspension, front (photo D) - type Independent
- (**) 71. Spring - type Coil
- (*) 72. Stabilizer - if fitted Yes

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MAKE FORD

MODEL '67 Mustang Hardtop

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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 4 1
94. Cylinders - wheel bore 41.3 mm 1.625in 23 mm .906 in
(indicate stepped bore dimensions if applicable)

Drum Brakes

- | | <u>Front</u> | | <u>Rear</u> | |
|--|-----------------|-----------------------|-----------------|-----------------------|
| 95. Diameter, inside | mm | in 254 | mm | 10 in |
| 96. Linings, length | mm | in 495 | mm | 19.5 in |
| 97. Linings, width | mm | in 63.5 | mm | 2.5 in |
| 98. Shoes - number per brake (Two (2)) | | | | |
| 99. Area, total - per brake | mm ² | in ² 31432 | mm ² | 48.75 in ² |

Disc Brakes

- | | | | | | |
|------------------------------|---------|-----------------|----------------------|-----------------|-----------------|
| 100. Diameter, outside | 287 | mm | 11.3 in | mm | in |
| 101. Thickness of disc | 20 | mm | .8 in | mm | in |
| 102. Lining - length | 123 | mm | 4.875 in | mm | in |
| 103. Lining - width | 46 | mm | 1.81 in | mm | in |
| 104. Pads - number per brake | Two (2) | | | | |
| 105. Area, total - per brake | 11,316 | mm ² | 17.52in ² | mm ² | in ² |

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ENGINE (Photos J and K)

- (**) 130. Cycle two (four) Wankel
- (**) 131. Cylinders - number Eight (8)
- (**) 132. Cylinders - arrangement "VEE" Wankel - # of elements and basic dimensions
- (**) 133. Bore 101.73 mm 4.005 in
- (**) 134. Stroke 72.9 mm 2.87 in
- (**) 135. Cylinders - capacity 591 cm³ 36.13 in³
- (**) 136. Cylinders, total capacity 4740 cm³ 289 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) - 4 Per Head
- (**) 141. Port, exhaust - number Eight (8) - 4 Per Head
- (*) 142. Compression - ratio 10.0 or 10.9
- (*) 143. Combustion chamber - volume 47 cm³ 2.87 in³
- (*) 144. Piston - material/s Aluminum
- (*) 145. Rings - number Three (3)
- (*) 146. Distance from gudgeon pin centre line to highest point of piston crown 40.767 ± .05 mm 1.605 ± .002 in
- (**) 147. Crankshaft - cast-forged-mach from solid
- () 148. Crankshaft - type - integral - sectioned - # of sections
- (**) 149. Crankshaft, main bearings - number 5
- (**) 150. Bearing cap - material/s Cast Iron
- 151. Lubrication - system - dry sump/oil in sump
- 152. Lubricant - capacity 4.7 ltrs pts 5 qts US
- (*) 153. Cooler, oil - yes no
- 154. Cooling - method Water Radiator
- 155. Cooling - capacity of system 14.2 ltrs pts 15 qts US



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MAKE FORD

MODEL '67 Mustang Hardtop FIA REC # 5128

- (*) 156. Fan, cooling (if fitted) - diameter 40.6 cm 16 in
(*) 157. Fan, cooling - number of blades 4 material/s Steel

BEARINGS

- (**) 158. Crankshaft, main - type Insert diameter 57.11 mm 2.2486 in
(**) 159. Connecting rod, big end - type Insert diameter 53.93 mm 2.1232 in

WEIGHTS

- (*) 160. Flywheel (clean) 9.3 kg 20.5 lbs
(*) 161. Flywheel with clutch (all rotating parts) 19.5 kg 42.9 lbs
(*) 162. Crankshaft 16.8 kg 37 lbs
163. Connecting Rod .58 kg 1.28 lbs
(*) 164. Piston with rings & pin .74 kg 1.63 lbs

FOUR CYCLE ENGINES

- (**) 170. Camshafts - number One (1) material/s Alloy Iron
(**) 171. Camshaft - location Block
(**) 172. Camshaft Drive, type Chain
(**) 173. Valve operation - type Tappet-Push Rod, Rocker

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

180. Inlet manifold - materials Aluminum
181. Valves (overall) - diameter 45.42 mm 1.788 in
(*) 182. Valve lift - maximum 11.6 mm .457 in
183. Springs, valve - number Two (2)
184. Spring - type Coil
(**) 185. Valves, per cylinder - number One (1)
(*) 186. Tappet - clearance for checking timing (Hot) .51 mm .020 in
(*) 187. Valves - open at (with tolerance for tappet clearance indicated) 30° BTDC
(*) 188. Valves - close at (with tolerance for tappet clearance indicated) 72° ABDC
(*) 189. Air filter - type Paper

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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 11.6 mm .457 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 (Hot) ~~(Cold)~~
.51 mm .020 in
- (*) 202. Valves - open at (with tolerance for tappet clearance indicated) 78° BBDC
- (*) 203. Valves - close at (with tolerance for tappet clearance indicated) 24° ATDC

CARBURETION (See Photo N)

210. Carburetors, fitted - number One (1)
211. Type 4V Down Draft
- (*) 212. Make Holly
- (*) 213. Model 9510
214. Carburetors - number of mixture passages Four (4)
- (*) 215. Carburetor - flange hole diameter of exit port
42.9 mm 1.69 in
216. Venturi - throat diameter+33.3 -34.9 mm Prim Sec. Prim Sec
in 1.3125 - 1.375

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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ENGINE ACCESSORIES

- (*) 230. Pump, fuel - mechanical and/or electrical
- 231. Number fitted One (1) Each
- 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
 Alternator
- 238. Voltage, ~~generator~~ - volts 12.8
- 239. Battery - number One (1)
- 240. Location Front of Car
- 241. Voltage - volts 12 amp hrs

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- (*) 250. Horsepower - maximum engine output ²⁷¹ SAE at 6000 rpm
(indicate SAE or DIN)
- (*) 251. RPM - maximum - output at that figure
- (*) 252. Torque - maximum 312 at 3400 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 26.7 cm 10.5 in
- 263. Linings - diameter - inside 16.5 cm 6.5 in
- Linings - diameter - outside 26.7 cm 10.5 in
- 264. Method of operation Mechanical



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Gear Box (Photo H)

- (**) 270. Manual type - make Ford - Borg Warner
- (**) 271. Ratios, forward - number Four (4)
- 272. Ratios, forward - number synchronized Four (4)
- 273. Gear-Shift - location Floor optional
- (**) 274. Automatic - make Ford type Torque Converter with Planetary Gear
- (**) 275. Ratios, forward - number Three (3)
- 276. Gear-Shift - location Floor
Borg Warner Ford

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.36	$\frac{26}{29}$ $\frac{36}{17}$	2.46		2.32	$\frac{23}{25}$ $\frac{32}{15}$		
2	1.62	$\frac{26}{29}$ $\frac{29}{20}$	1.46	Torque Converter Maximum Ratio At Stall 2.02 : 1	1.69	$\frac{23}{25}$ $\frac{28}{18}$		
3	1.20	$\frac{26}{29}$ $\frac{27}{25}$	1.00		1.29	$\frac{23}{25}$ $\frac{25}{21}$		
4	1.00	Direct			1.00	Direct		
5								
6								
reverse	2.42		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 Ratchet Locking
- (**) 292. Limited Slip Differential (if fitted) - type \neq Positive Locking
- 293. Ratio 3.89 3.50 3.70 4.11 4.33 4.57
Teeth - number $\frac{35}{9}$ $\frac{35}{10}$ $\frac{37}{10}$ $\frac{37}{9}$ $\frac{39}{9}$ $\frac{32}{9}$

(*) Specify friction or positive locking type



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MAKE Ford

MODEL '67 Mustang Hardtop FIA REC # 5128

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



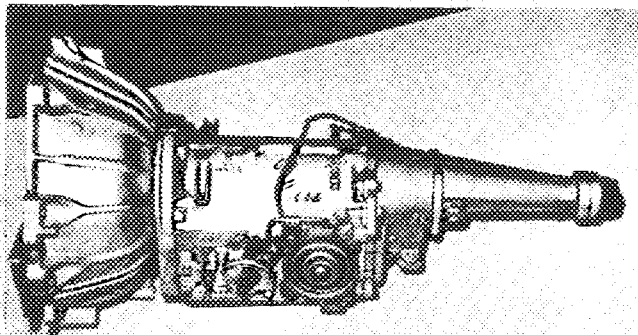
STAMP

MAKE FORD

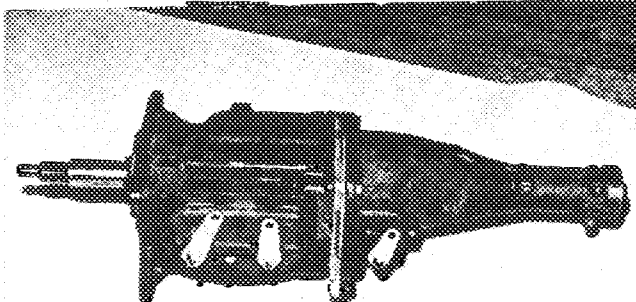
MODEL '67 Mustang Hardtop

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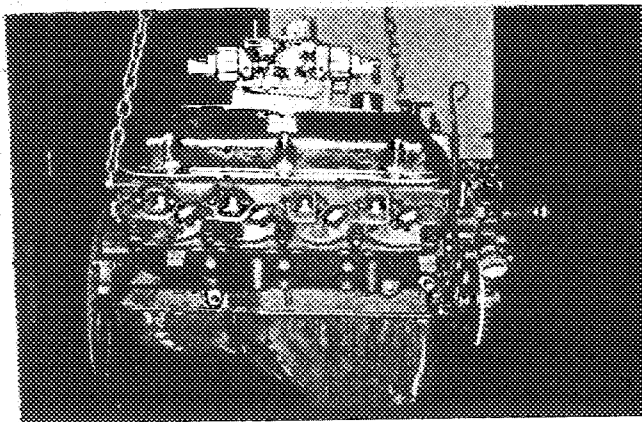
Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



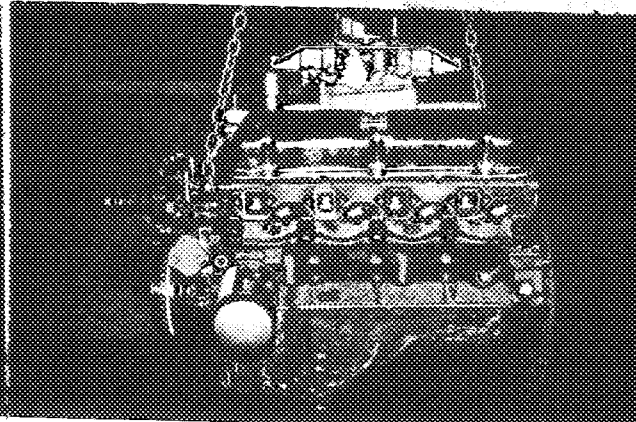
Alternative Automatic Gearbox



Alternative 4-Speed Gearbox



J



K

Valve Covers without Breather



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