

+075 690875

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

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



1455

Federation Internationale de l'Automobile
FORM OF RECOGNITION

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

Cylinder capacity 4,736.7 cm3 289 in3

Manufacturer Lincoln-Mercury Division
Ford Motor Company Model 1967 Cougar

Serial # Chassis 7F91-500001 Manufacturer Lincoln-Mercury Division
Ford Motor Company

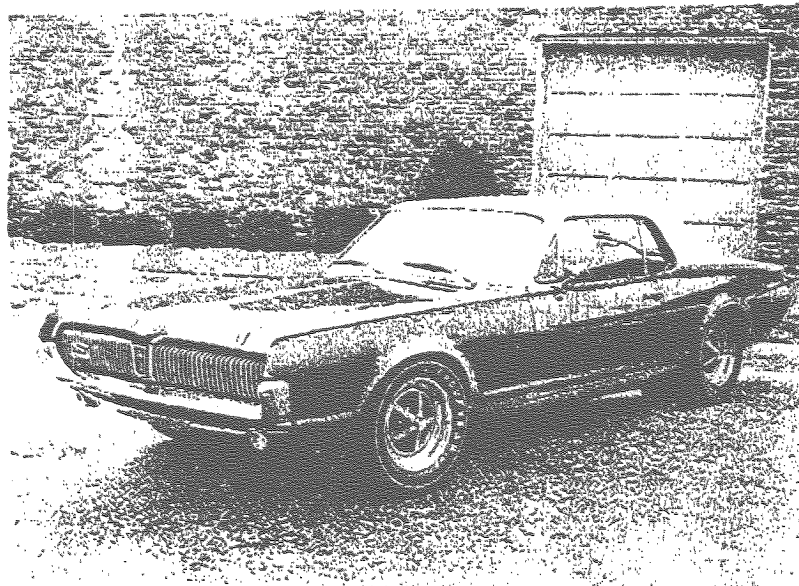
Serial # Engine 7F91A-500001 Manufacturer Lincoln-Mercury Division
Ford Motor Company

Recognition valid from January 1, 1967 List 15/2

The manufacturing of the model described in this recognition form was started on Sept. 6, 1966 and the minimum production of 4172 identical cars, in accordance with the specifications of this form, was reached on October 27, 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



Group 2
Actual
N.R.
blue & silver
1967

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.

Blue & Silver

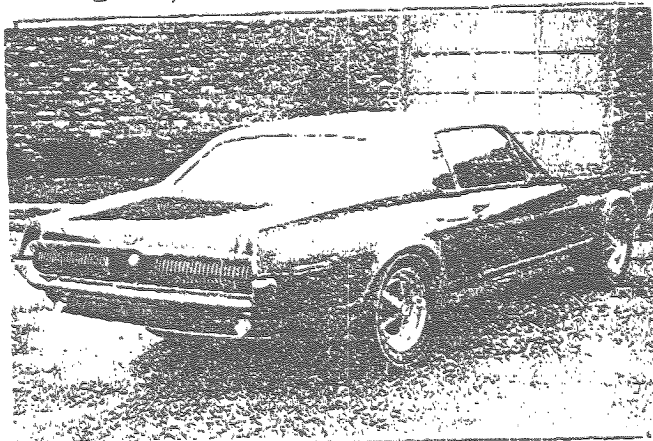
MAKE Mercury Coupe

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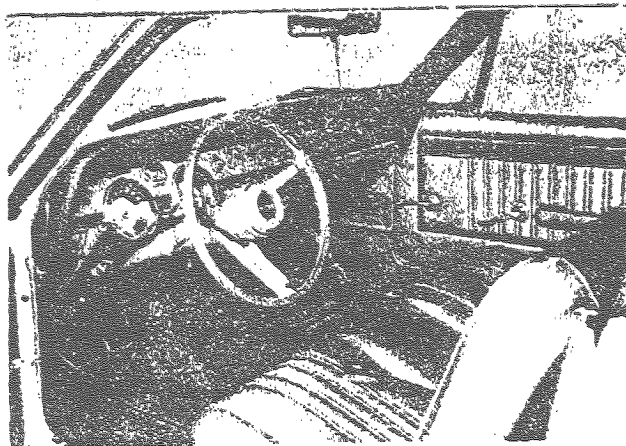
1967

FIA REC #

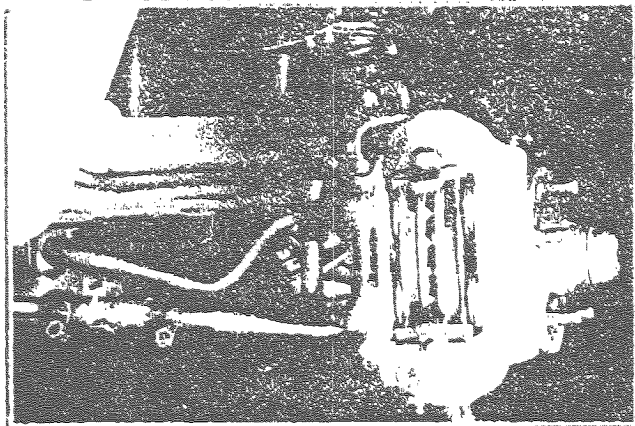
B 3/4 rear car (**)



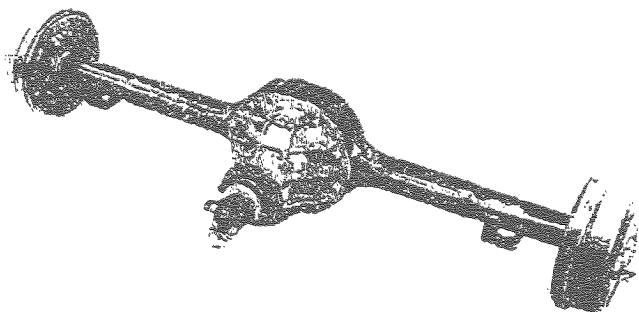
C interior-car (**)



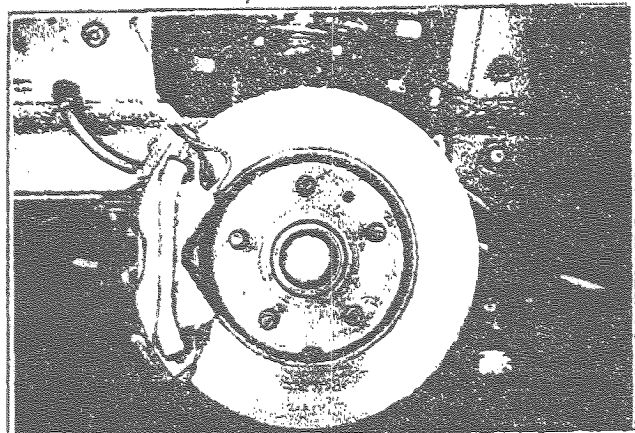
D front axle (**)



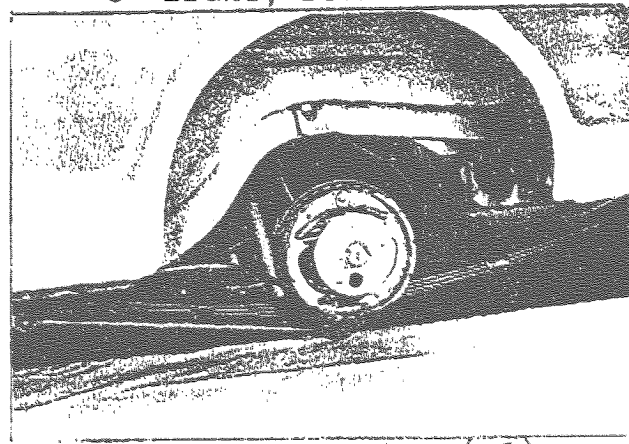
E rear axle (**)



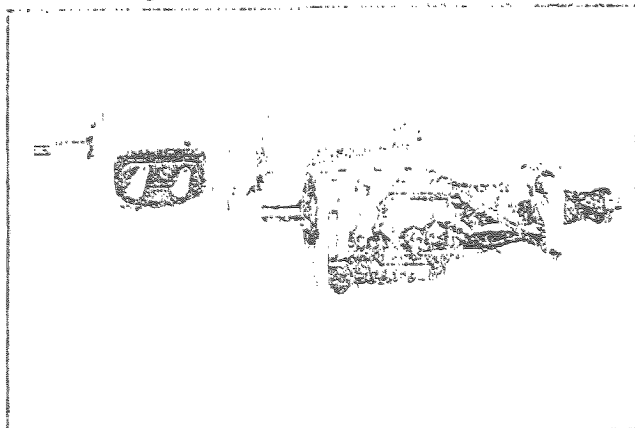
F brake, front (**)



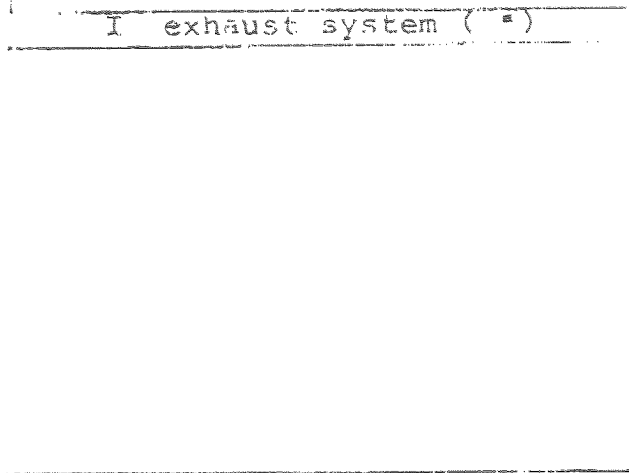
G brake, rear (**)



H gear box (**)



I exhaust system (*)

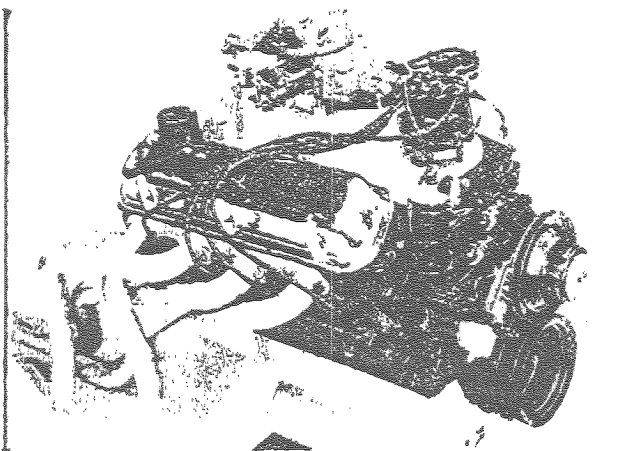


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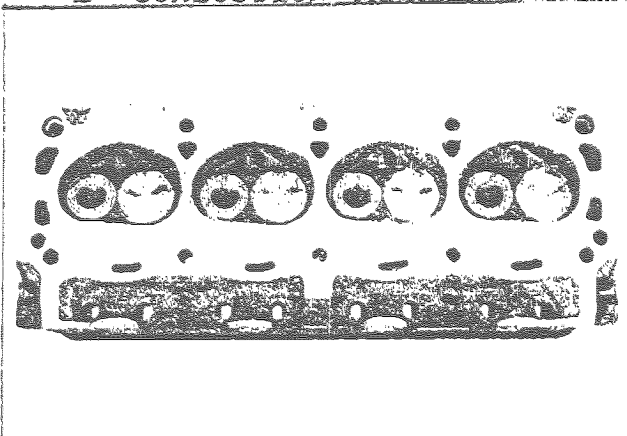
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J ENGINE RIG

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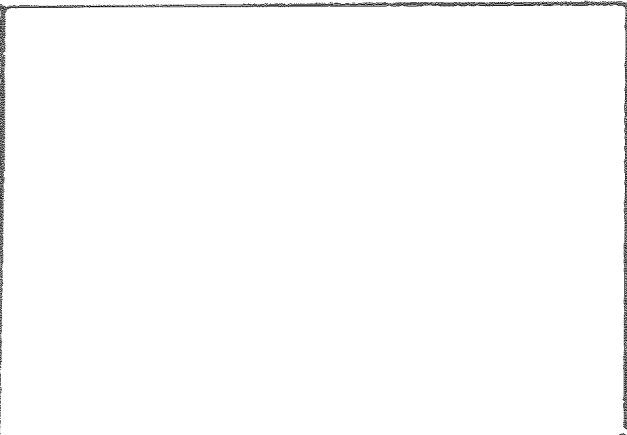


L COMBUSTION CHAMBER

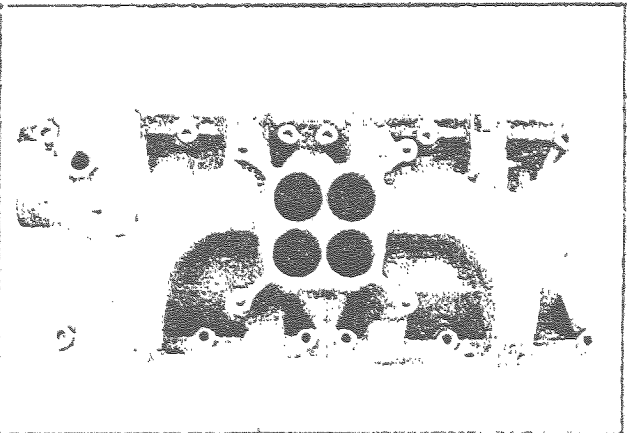


N CARBURETOR

(*)

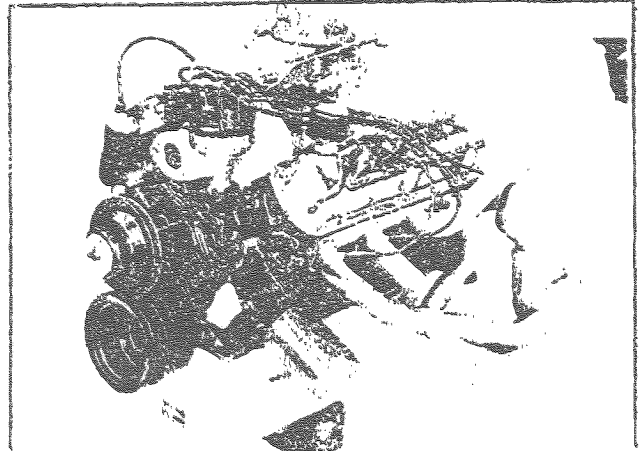


P MANIFOLD INLET



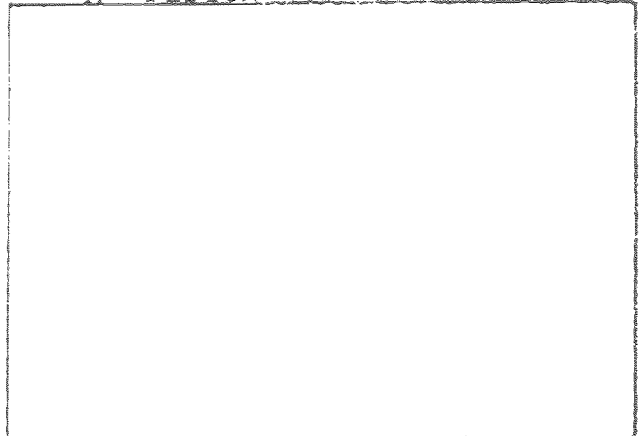
K ENGINE LEFT

(**)

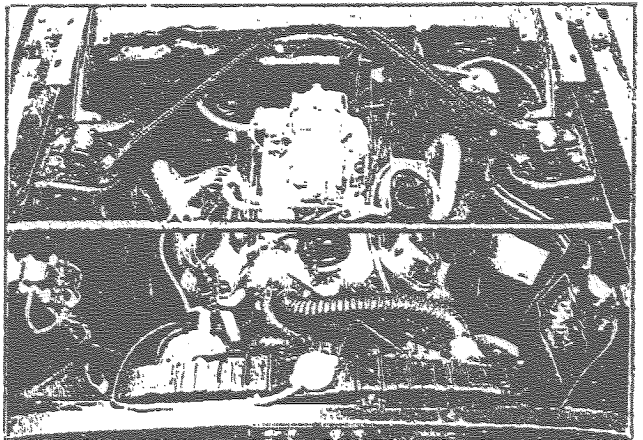


M PISTON TOP

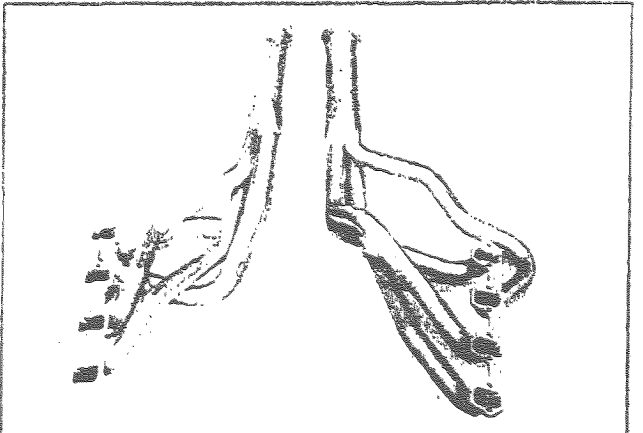
(*)



O ENGINE IN PLACE (**)



Q MANIFOLD EXHAUST



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

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

- Inlet
Manifold
Porting
Cyl.
Head
Face

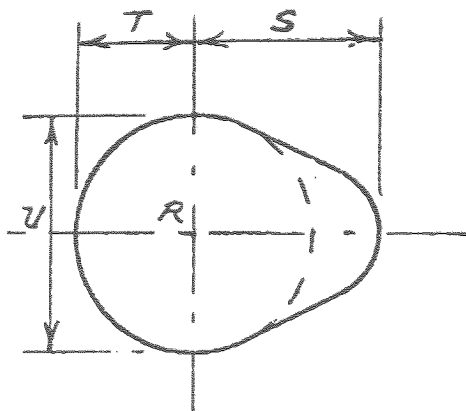
- Cylinder
Head
Porting
Inlet
Face

- Exhaust
Manifold
Porting
Cyl. Head
Face

- Cylinder
Head
Porting
Exhaust
Face

INFORMATION ON THIS PAGE DOES NOT APPLY TO GROUP II VEHICLES

CAM



Inlet cam

S= mm in
T= mm in
U= mm in

Exhaust cam

S= mm in
T= mm in
U= mm in

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MAKE Mercury Cougar MODEL 1967 FIA REC # _____

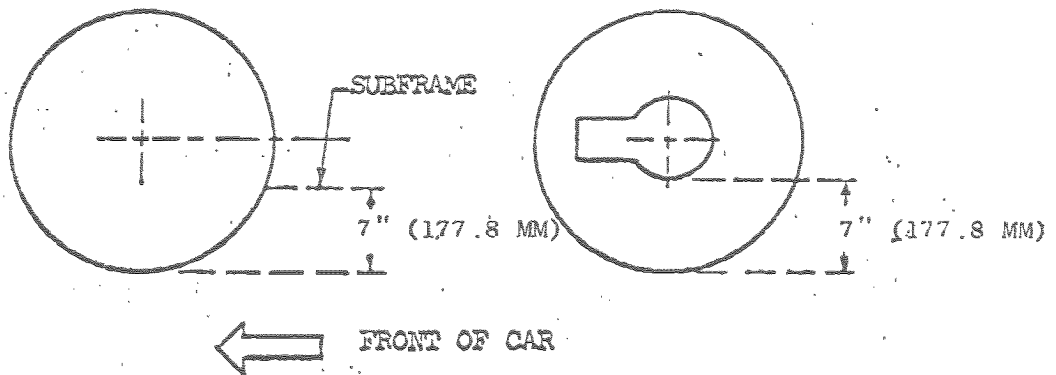
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system. See conversion table at index.

CAPACITIES & DIMENSIONS

- (**) 1. Wheelbase 2819.4 mm 111 in
- (**) 2. Front track (with 5 1/2" wheels) 1475.7 mm 58.1 in +*See Attachment
- (**) 3. Rear track (with 5 1/2" Wheels) 1475.7 mm 58.1 in + wheel track wi
+ Differences in track resulting from use of optional optional wheel
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"



- 4. Overall length of car 483.4 cm 190.3 in
- 5. Overall width of car 180.8 cm 71.2 in
- 6. Overall height of car 131.6 cm 51.8 in
- 7. Capacity of fuel tank (reserve included) 140 ltrs.
37 gallons US 30.81 gallons, Imp.
- 8. Seating capacity. Four
- (**) 9. Weight - total weight of car with normal equipment, water, oil and spare wheel but without fuel or repair tools.

1247 [redacted] kg [redacted] lbs 2749-100

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CHASSIS & BODYWORK - Photos A, B, C

- (**) 20. Chassis/body construction - separate/unit construction - unitized
- (**) 21. Unit construction - material/s - steel sheet
- (**) 22. Chassis - material/s steel separate construction
- (**) 23. Body - material/s steel separate construction
- (**) 24. Doors - number two 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
- 42. Seats, front - weight
(complete with supports & rails out of car) 16 kg 32.5 lbs
- CHECK: BENCH _____ BUCKET x CONSOLE INCLUDED _____
- 43. Seats, rear - type of seat and upholstery Bench Cloth and/or vinyl
- 44. Bumper, front - material/s steel 7.48 kg 16.5 lbs Weight
- 45. Bumper, rear - material/s steel 6.57 kg 14.5 lbs Weight

WHEELS

- 50. Type Steel, Magnesium, Aluminum or combination
- 51. Weight (per wheel, without tire) 8.8 kg 19.46 lbs (6" x 15" wheel)
- 52. Method of attachment Standard Nut
- 53. Rim, diameter 356 and 381 mm 14" & 15in
- 54. Rim, width 152 mm 6" in - See Page 15
Optional Wheels

SUSPENSION

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

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- 73. Shock absorbers - number Two
- 74. Type Tubular and adjustable
- (**) 78. Suspension, rear (photo E) - type Straight Axle
- (**) 79. Spring - type Semi-Elliptical
- (*) 80. Stabilizer - if fitted
- 81. Shock absorbers - number Two
- 82. Type Tubular and adjustable

BRAKES (Photos E and F)

- (**) 90. Method of operation Hydraulic
- (*) 91. Power assisted (if fitted) - type
- 92. Master Cylinders - number and type One-dual
(indicate if duplex master cylinder) Front Rear
- 93. Cylinders - number per wheel 4 1
- 94. Cylinders - wheel bore 41.3 mm 1.625 in 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 | | | 2 | |
| 99. Area, total - per brake
(Pri. and Sec. Shoe Total Lining Area) | mm ² | in ² | mm ² | 248.75 in ² |
| | | | 31,454. | |

Disc Brakes

- | | | | | | |
|---|--------|-----------------|--------------------|-----------------|-----------------|
| 100. Diameter, outside | 287 | mm | 11.29 in | mm | in |
| 101. Thickness of disc | 20.3 | mm | .800 in | mm | in |
| 102. Lining - length | 119.9 | mm | 4.72 in | mm | in |
| 103. Lining - width | 45.72 | mm | 1.8 in | mm | in |
| 104. Pads - number per brake | | 2 | | | |
| 105. Area, total - per brake
(Two (2) pads, total Lining Area per Brake) | 10,968 | mm ² | 17 in ² | mm ² | in ² |

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ENGINE (Photos J and K)

- (**) 130. Cycle two four (4) Wankel
- (**) 131. Cylinders - number Eight (8)
- (**) 132. Cylinders - arrangement V8 Wankel - # of elements and basic dimensions
- (**) 133. Bore 101.6 mm 4.0 in
- (**) 134. Stroke 72.9 mm 2.87 in
- (**) 135. Cylinders - capacity 591 cm3 36.1 in3
- (**) 136. Cylinders, total capacity 4736.7 cm3 289 in3
- (**) 137. Cylinder Block - material/s Cast Iron
- (**) 138. Sleeves - material/s (if fitted) DNA
- (**) 139. Head, cylinder - material/s Cast Iron number fitted Two (2)
- (**) 140. Port, inlet - number Total, eight (8), Four (4) per cyl. Head
- (**) 141. Port, exhaust - number Total, eight (8), Four (4) per cyl. Head
- (*) 142. Compression - ratio
- (*) 143. Combustion chamber - volume cm3 in3
- (*) 144. Piston - material/s
- (*) 145. Rings - number
- (*) 146. Distance from gudgeon pin centre line to highest point of piston crown mm 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 8.04 ltrs 17 pts 8.5 qts US
- (*) 153. Cooler, oil - yes no
- 154. Cooling - method Radiator
- 155. Cooling - capacity of system 17.1 ltrs pts 18 qts US

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

BEARINGS

- (**) 158. Crankshaft, main - type insert diameter 57.07 mm 2.249 in
 (**) 159. Connecting rod, big end - type insert diameter 53.94 mm 2.1236 in

WEIGHTS

- (*) 160. Flywheel (clean) kg lbs
 (*) 161. Flywheel with clutch (all rotating parts) kg lbs
 (*) 162. Crankshaft kg lbs
 (*) 163. Connecting Rod kg lbs
 (*) 164. Piston with rings & pin kg lbs

FOUR CYCLE ENGINES

- (**) 170. Camshafts - number one (1) material/s Cast Iron
 (**) 171. Camshaft - location in Cylinder Block
 (**) 172. Camshaft Drive, type Chain
 (**) 173. Valve operation - type Tappet, push rod, and rocker arm

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 47.75 mm 1.88 in
 (*) 182. Valve lift - maximum mm 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 in
 (*) 187. Valves - open at (with tolerance for tappet clearance indicated)
 (*) 188. Valves - close at (with tolerance for tappet clearance indicated)
 (*) 189. Air filter - type

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EXHAUST (See Photo Q)

195. Manifold, exhaust - material/s Steel Tube
196. Valves (overall) - diameter 41.4 mm 1.64 in
- (*) 197. Valve, lift - maximum mm 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)
mm in
- (*) 202. Valves - open at (with tolerance for tappet
clearance indicated)
- (*) 203. Valves - close at (with tolerance for tappet
clearance indicated)

CARBURETION (See Photo N)

210. Carburetors, fitted - number one (1)
211. Type 4V Downdraft
- (*) 212. Make
- (*) 213. Model
214. Carburetors - number of mixture passages Four (4)
- (*) 215. Carburetor - flange hole diameter of exit port
mm in
- (*) 216. Venturi - throat diameter+ mm in

INJECTION

220. Pump - make DNA
221. Plungers - number DNA
- (*) 222. Pump - model
223. Injectors - location DNA
224. Injectors - total number DNA
- (*) 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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MAKE Mercury Cougar MODEL 1967 FIA REC #

ENGINE ACCESSORIES

- (*) 230. Pump, fuel - mechanical and/or electrical
- 231. Number fitted One each (Electric and Mechanical)
- 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 "V" Belt
- 238. Voltage, generator - volts 12.8 Volts
- 239. Battery - number One (1)
- 240. Location Rear of Vehicle
- 241. Voltage - volts 12 amp hrs

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- (*) 250. Horsepower - maximum engine output at rpm
(indicate SAE or DIN)
- (*) 251. RPM - maximum output at that figure
- (*) 252. Torque - maximum at rpm
- (*) 253. Speed - maximum km/hour miles/hour

DRIVE TRAIN

Clutch

- 260. Type Single Plate (Dry)
- 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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MAKE Mercury Cougar

MODEL 1967

FIA REC # _____

Gear Box (Photo H)

- (**) 270. Manual type - make Borg-Warner or Ford (T & C)
- (**) 271. Ratios, forward - number Four (4)
- 272. Ratios, forward - number synchronized Four (4)
- 273. Gear-Shift - location Floor optional None
- (**) 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/			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.36:1	$\frac{26}{29} \frac{36}{17}$	2.46:1		2.78:1	$\frac{30}{23} \frac{32}{15}$	2.32:1	$\frac{25}{23} \frac{32}{15}$
2	1.62:1	$\frac{26}{29} \frac{29}{20}$	1.46:1	Torque Converter Maximum Ratio at stall 2.021	1.93:1	$\frac{30}{23} \frac{31}{21}$	1.69:1	$\frac{25}{23} \frac{28}{18}$
3	1.20:1	$\frac{26}{29} \frac{27}{25}$	1.00:1		1.36:1	$\frac{30}{23} \frac{25}{24}$	1.29:1	$\frac{25}{23} \frac{25}{21}$
4	1.00:1	Direct			1.00:1	Direct	1.00:1	Direct
5								
6								
reverse	2.42:1		2.20:1		2.78:1		2.35:1	

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

FINAL DRIVE

- (**) 290. Type Semi Floating Axle Shafts with Straddle Mounted Pinion Gear
- (**) 291. Differential - type Ratchet
- (**) 292. Limited Slip Differential (if fitted) - type \neq Locking
- 293. Ratio 3.70 to 1
Teeth - number $\frac{37}{10}$

(\neq) Specify friction or positive locking type
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MAKE Mercury Cougar MODEL 1967 FIA REC # _____

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):

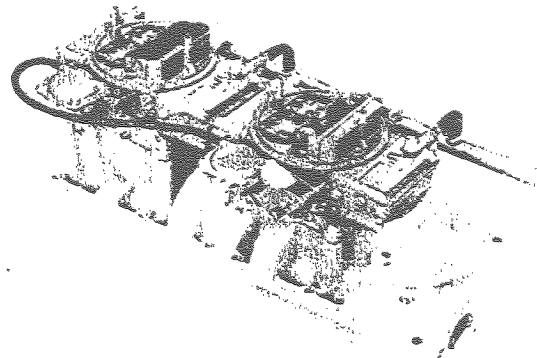
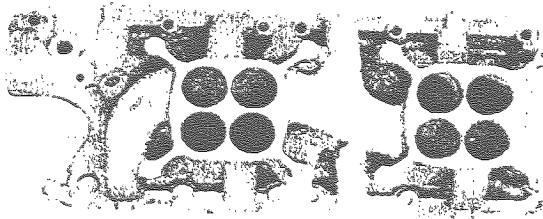
- 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, 255,
- photos I, M, N & items on page 4 as indicated.

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



INTAKE MANIFOLD ASSY. PART # C6ZZ-6B068-A

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MAKE Mercury Cougar

MODEL 1967

FIA REC # _____

Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN

Rear Axle Gear Ratios

<u>Ratio</u>	<u>No. Teeth Pinion</u>	<u>No. Teeth Ring</u>	<u>Part Number</u>
2.75 to 1	16	44	C7AZ-4209-E
3.00 to 1	13	39	C6AZ-4209-C
3.10 to 1	10	31	C4AZ-4209-L
3.25 to 1	12	39	C6AZ-4209-D
3.50 to 1	10	35	C6AZ-4209-B
3.89 to 1	9	35	C4AZ-4209-J
4.11 to 1	9	37	B7AZ-4209-F
4.33 to 1	9	39	C4AZ-4209-C
4.57 to 1	7	32	C3UZ-4209-A
4.71 to 1	7	33	C4AZ-4209-E

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Make Mercury Cougar

Model 1967

FIA Rec # _____

Wheel Tread Variation

Wheel Tread as related to rim width

<u>Rim Width</u>	<u>Wheel Tread Front and Rear</u>
5.5"	58.1 (Measured at Center line of
6.0	58.6
7.0	59.6 spindle with 0° tow in or
7.5	60.1
8.0	60.6 tow out.)

Optional Wheels

	<u>Wheel Part Numbers</u>
5.5 x 14	C7GY-1007-A
6.0 x 14	C7ZZ-1007-C
5.5 x 15	C5SZ-1007-A
6.0 x 15	C5AZ-1007-B
7.0 x 15	C4HM-1007-7M
7.5 x 15	C4HM-1007-75
8.0 x 15	C4HM-1007-8

Deletion Option #7379020 deletes all sealers and sound deadeners.

Handwritten:
 based
 N.T.
 1. H. H. ...
 2. H. H. ...

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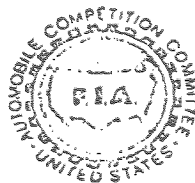
MAKE MERCURY COUGAR

MODEL 1967

FIA REC NO 1455

V A/U

1st Nov. 1967
Cost 16/6



Telephone: (203) 348-6233

Cable Address: "ACCUSFIA" Stamford, Conn.

AUTOMOBILE COMPETITION COMMITTEE FOR THE UNITED STATES, FIA, INC.

433 MAIN STREET, STAMFORD, CONN. 06901

VARIANT FORM - In accordance with Appendix "J" of the International Sporting Code

A variant is one or several changes which noticeably modify either the performance or main characteristics of the car, but concerns only a part of the production run.

Recognition is granted a variant only after it has met the same production requirements as the FIA Group in which the original model was recognized (I-5000; II-1000; III-500; IV-50)

In filing this form, each change must be fully documented as required in the original recognition form, using the same item numbering keys and including sketches or photos as and if required in the original form.

Optional Wheels

9.0" x 15"

WEIGHT 15.5 LBS 7.0 Kg

Part #STM-1007-M

Wheel Tread as Related to Rim Width

Rim Width

Wheel Tread Front & Rear

9.0"

61.1"

John V. Oliveau

JOHN V. OLIVEAU
TECHNICAL DIRECTOR
ACCUS, FIA, INC.

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