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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 cm2	
1	cubic inch / pouce cube	16.387 cm3	
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.
	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.

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

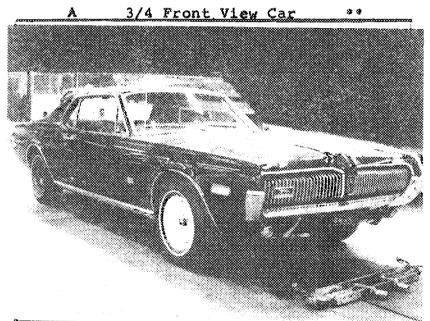


433 MAIN ST. STAMFORD, CONN. 06901 (203) 348-6233

Federation Internationale de l'Automobile
FORM OF RECOGNITION
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	Cylinder capacity Lincoln Mercury Division	, 6384 cm	3 <u>389.5</u> in3
Manufacturer	Ford Motor Company	Model 1968 Co	
Serial # Chas	sis 8F918 500001	_ Manufacturer	Lincoln Mercury Division Ford Motor Company
Serial # Engi	ne None	_ Manufacturer	Lincoln Mercury Division Ford Motor Company
Recognition v	alid from	List	
was started o	ring of the model descr n AUGUST 23, 1967and the s, in accordance with t n MOVEMBER 30 , 196	minimum produc the specificati	tion of 10,000

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



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

	ants			
on	19	rec	#lis	E CONTROLLED
on	19	rec	# lis	t
on		rac	# 1 t s t	-

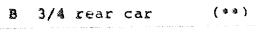
Normal	evol	utio	n of	the	type
on	9	rec	#	lis	ŧ
on	9	rec	#	lis	t
on		rec	#	lis	t

Stamp/Signature of National Sporting Authority Stamp/Signature F.I.A.

111968

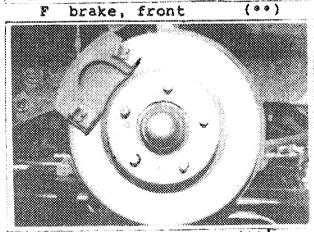
TECHNICAL DIRECTOR ACCUS, FLA, INC.

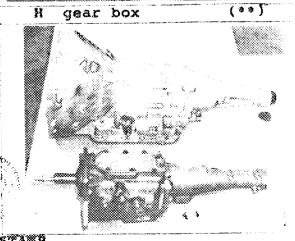
(**)





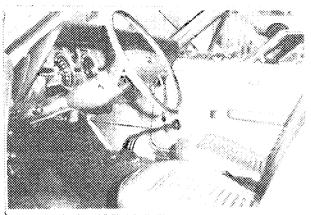
front axle (* *) (00)



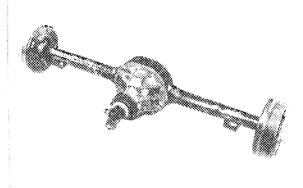




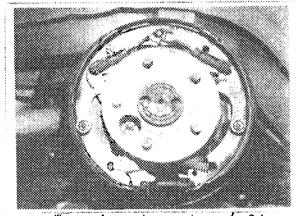
C interior-car



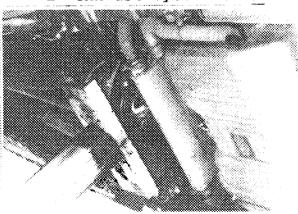
E rear axle (%%)



G brake, rear (* *)



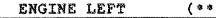
exhaust system (*)

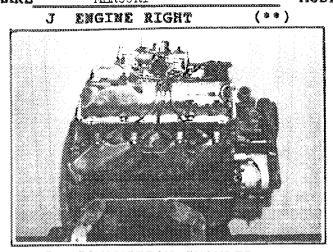


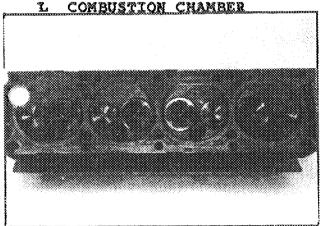
STAMP

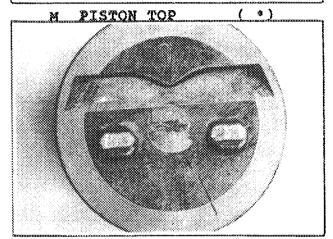
AAKE

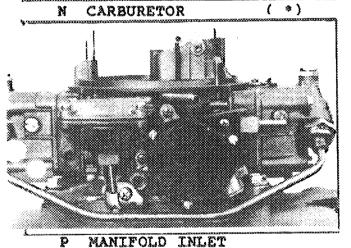


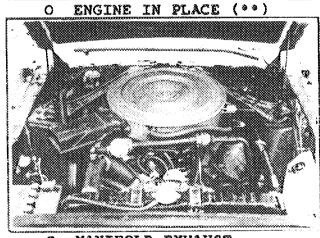


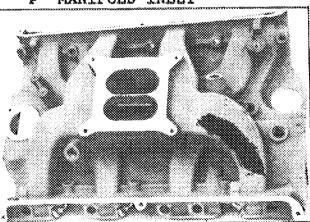


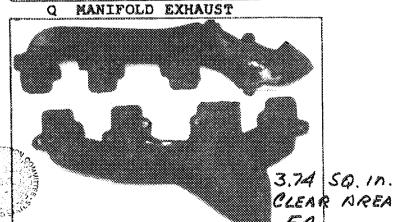










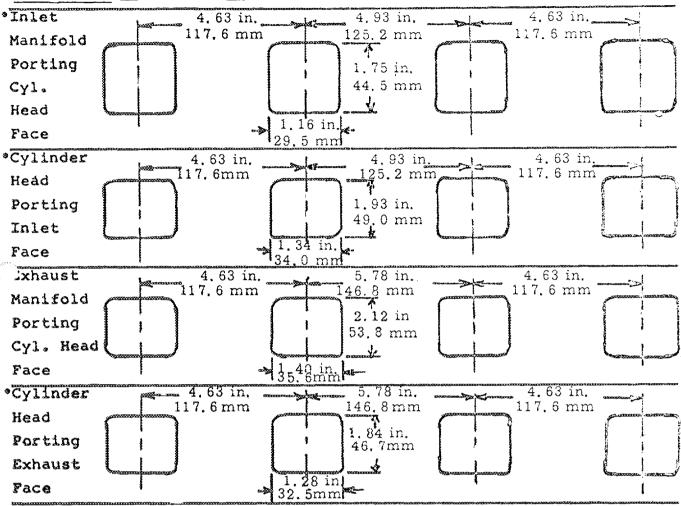


ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS Strip out: AND MANUFACTURER'S TOLERANCES. STAMP STAMP

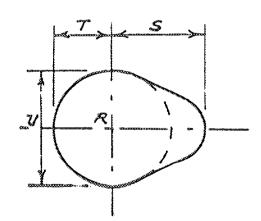
390 G I

C

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







	et cam			
		mm	1.025	in
T =	19.0	mm	.747	in
U=	37.9	mm	1.494	in

Exhaust cam S= 26.2 mm 1.030 in T= 19.0 mm .747 in U= 37.95 mm 1.494 in

STAMP



MAKE

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
------	----	-----------	--------	----	-----	----

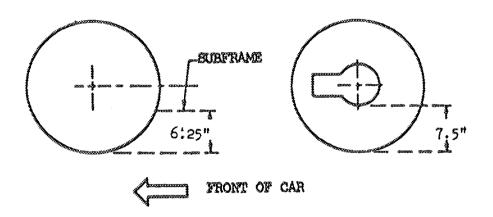
1483.4 (**) 2. 58.4 in + Front track mm at 0° Camber -1475.7 (**) 3. Rear track 58.1 in + O" Toe-In

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

œm

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 483.4 cm 190.3 in

181.1 cm 5. Overall width of car 71.3 in

131.3 cm 51.7 6. Overall height of car

Capacity of fuel tank (reserve included)140.0128.7/64.3 ltrs. 7. 37/34/17 gallons US 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. 1373 kq 3035 **1bs**

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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 D.N.A.
 - 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 Bench Vinyl and/or Cloth
 - 42. Seats, front weight (complete with supports & rails out of car) 16.0 kg 35.2(pair)bs

 CHECK: BENCH BUCKET X CONSOLE INCLUDED
 - 43. Seats, rear type of seat and upholstery Bench Vinyl and/or Cloth
 - 44. Bumper, front material/s Steelkg 7.48lbs 16.5 Weight
 - 45. Bumper, rear material/s Steel kg 6.57lbs 14.5 Weight

WHEELS

- 50. Type Steel
- 51. Weight (per wheel, without tire)8.9 kg 19.5 lbs
- 52. Method of attachment Stud and Nut (Five)
- 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 4.6
- 63. In case of servo assistance 3.7

STAMP

	SUSPE	ENSION			
(* *)	70.	Suspension, front (photo D) - type	Independ	ent	
(**)	71.	Spring - type	Chil		
(*)	72.	Stabilizer - if fitted	Yes		
	73.	Shock absorbers - number	Two (2)		
	74.	Type	Tubular	- Adjustabi	le
(* *)	78.	Suspension, rear (photo E) - type	Live Axl	e	
(3 3)	79.	Spring - type	Leaf		
(*)	80.	Stabilizer - if fitted	ı i O		
	81.	Shock absorbers - number	Two (2)		
	82.	Type	Tubular	- Adjustab	le
,	BRAKI	ES (Photos E and F)			
(• •)	90.	Method of operation	Hydrauli	С	
(*)	91.	Power assisted (if fitted) - type	Pedal Bo	ost	
	92.	Master Cylinders - number and type (indicate if duplex master cylinder)	One (1) Front	- Jual <u>Rea</u>	r
	93.	Cylinders - number per wheel	1	1	
	94.	Cylinders - wheel bore 60.32 (indicate stepped bore dimensions if		in 23 mm	.906 in
	Drum	Brakes	Front	Rea	<u>r</u>
	95.	Diameter, inside	mm	in 254mm	10 in
	96.	Linings, length	mum	in 495mm	19.5 in
	97.	Linings, width	mm	in63.5mm	2.5 in
	98.	Shoes - number per brake		Two (2)	
,	99.	Area, total - per brake	min2	in2 31,454mm2	48.75 in2
	Disc	Brakes			
	100.	Diameter, outside 287	mm 11.3	in mm	in
	101.	Thickness of disc 23.0	046. mm	in mm	in

102. Lining - length

104. Pads - number per brake

105. Area, total - per brake

103. Lining - width

STAMP

124.5 mm 4.9 in mm

46.48mm 1.83 in mm

11,580 **mm2**17.9**in2 mm2**

Two (2)

in

in

in2

ENGINE (Photos J and K)

- (**) 130. Cycle two <u>four</u> Wankel
- (**) 131. Cylinders number Eight (8)
- (**) 132. Cylinders arrangement VEE Wankel # of elements and basic dimensions
- (**) 133. Bore 102.9 mm 4.05 in
- (**) 134. Stroke 96.0 mm 3.78 in
- (**) 135. Cylinders = capacity 798 cm3 48.7 in3
- (**) 136. Cylinders, total capacity 6384 cm3 389.5 in3
- (**) 137. Cylinder Block material/s Cast Iron
- (* 138. Sleeves material/s (if fitted) None Fitted
- (**) 139. Head, cylinder material/s Cast Iron number fitted Two (2)
- (**) 140. Port, inlet number Eight (8) 4 Fer Head
- (**) 141. Port. exhaust number Eight (8) 4 Per Head
- (*) 142. Compression ratio 10.5
- (*) 143. Combustion chamber volume68.7 cm3 4.2 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 45.2 mm 1.78 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 4.7 ltrs pts 5 qts US
- (*) 153. Cooler, oil yes <u>no</u>
 - 154. Cooling method Water Radiator
 - 155. Cooling capacity of system 19.39 ltrs pts 20.5 qts US
 STAMP

- (*) 156. Fan, cooling (if fitted) diameter 46.36 cm 18.25 in
- (*) 157. Fan, cooling number of blades 7 material/s Steel BEARINGS
- (**) 158. Crankshaft, main type insert diameter 69.82 mm 2.7488 in
- (**) 159. Connecting rod, big end typeinsertdiameter 61.94 mm 2.4384 in

WEIGHTS

- (*) 160. Flywheel (clean) 13 2 kg 29 lbs
- (*) 161. Flywheel with clutch (all rotating parts) 23.6kg 52.0lbs
- (*) 162. Crankshaft 29.1 kg 64.4 lbs
 - 163. Connecting Rod .77 kg 1.69 lbs
- ($^{\circ}$) 164. Piston with rings & pin .83 kg 1.82 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 Arms

- 180. Inlet manifold materials Aluminum
- 181. Valves (overall) diameter 51.74 mm 2.037 in
- (*) 182. Valve lift maximum 12.2 mm .481 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) 0 mm 0 in
- (*) 187. Valves open at (with tolerance for tappet 18° BTC clearance indicated)
- (*) 188. Valves close at (with tolerance for tappet 72° ABC clearance indicated)
- (*) 189. Air filter type Dry Element

STAMP



EXHAUST (See Photo Q)

- Manifold, exhaust material/s 195. Cast Iron
- Valves (overall) diameter 39.78 mm 1.566 in 196.
- 12.45 mm .490 197. Valve, lift - maximum
- Two (2) Valve Springs/valve - number 198.
- 199. Springs - type Coil
- Valves number per cylinder One (1) (**) 200.
- Tappet clearance for checking timing (cold) (*) 201.
- (*) 202. Valves open at (with tolerance for tappet 82° BBC clearance indicated)
 - (*) 203. Valves close at (with tolerance for tappet 28° ATC clearance indicated)

CARBURETION (See Photo N)

- One (1) Carburetors, fitted - number 210.
- 4V Down Draft 211. Type
- Holley (*) 212. Make
- 9510 (*) 213. Model
 - Four (4) Carburetors - number of mixture passages 214.
- Carburetor flange hole diameter of exit port (*) 215. 39.6 mm 1.561 **in**
 - Venturi throat diameter+Prim. Sec. 33.3mm in Prim. 1.25 Sec. 216. 1.3125

INJECTION

- 220. Pump make
- None Fitted 221. Plungers - number
- (*) 222. Pump - model
 - Injectors location 223.
 - Injectors total number 224.
- in Inlet pipe - minimum diameter mm (ma) 225.
- por variable throat type carburetors, indicate minimum lift of shutter mechanism such as pistons in S.U. STAMP

ENGINE ACCESSORIES

(*)	230.	Pump.	fuel	 mechanical	and/or	electrical
•	•		y				

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

232. Ignition system - type Battery and Coil

FIA REC #5203

Distributors - number 233.

One (1)

234. Coils, ignition - number

- One (1)
- Spark plugs number per cylinder 235.
- One (1)
- Generator (or Alternator) number fitted One (1) 236.

237. Drive - method Belt

238. Voltage, generator - volts 12.8

239. Battery - number One (1)

240. Location Front of Car

Voltage - volts 12 amp hrs 45 241.

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- Horsepower maximum engine output 335 at 4800 rpm (*) 250. (indicate SAE or DIN)
- (*) 251. RPM - maximum 4800 output at that figure 335
- 427 *) 252. Torque - maximum at 3200 rpm
- miles/hour (*) 253. Speed - maximum km/hour

DRIVE TRAIN

Clutch

260. Type

- Dry Plate
- 261. Plates - number of driven
- One (1)

cm

- 262. Plates - diameter
- 27.94
- 11 in

- 263. Linings - diameter - inside
- 11.78 cm
- in
- Linings diameter outside 27.94 cm
- 11 in

264. Method of operation Mechanical

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Gear Box (Photo H)

(**) 270. Manual type - make

Ford

(**) 271. Ratios, forward - number

Four (4)

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

273. Gear-Shift - location Floor optional -

(**) 274. Automatic - make

Ford type Hydraulic with Planetary Gears

and Torque Converter

(**) 275. Ratios, forward - number

Three (3)

276. Gear-Shift - location

Floor

	Manual		Automa	atic	Alternative manual/automatic Ratio # Teeth Ratio # Teeth			
277.			Ratio	# Teeth	Ratio		Ratio	# Teeth
1	2.78	23 32 30 15	2.46	Ę	2.32	23 32 25 15		
2	1.93	$\frac{23}{30}$ $\frac{31}{21}$	1.46	ximu 2:1	1.69	<u>23 28</u> 25 18		**************************************
3	1.36	23 25 30 24	1.00	r Ma	1.29	23 <u>25</u> 25 21		
4	1.00	Direct		erte all	1.00	Direct		
5				Cont t. St				
6		·		que io s				
reverse	2.78		2.175	Tor Rat	2.32			

278. Overdrive - type

D.N.A.

279. Forward gears on which overdrive can be selected

D.N.A.

280. Overdrive - ratio

D.N.A.

FINAL DRIVE

(**) 290. Type

Hypoid - Semi-Floating - Straddle Mounted Pinion

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

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

293. Ratio

3.0 3.50 3.70 3.89 4.11 3.25

Teeth - number $\frac{39}{13}$ $\frac{35}{10}$ $\frac{37}{10}$ $\frac{35}{9}$ $\frac{37}{9}$

(≠) Specify friction or positive locking type 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 17,4 135

W-64000 Power Steering 28. Ins

W-65000 Air Conditioning 75. 135

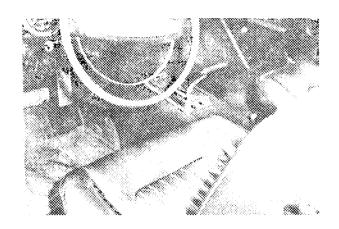
SIMK-6642-A Engine Oil Cooler Kit - Includes: 9.6 LBS CAP 1.707

- l Radiator Oil
- 1 Adapter
- 2 Hoses

Required Fittings, Brackets, Gaskets, Attaching Parts

STAMP

Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



INTERIOR OF CAR WITH AUTOMATIC GEARBOX

STAMP

