



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

FIA NO. 1590
GROUP II

Federation Internationale de l'Automobile
FORM OF RECOGNITION

APR 1 1970

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

Cylinder capacity 7030.65 cm3 429.96 in3

Manufacturer Ford Motor Co. Model BOSS 429 Mustang

Serial # Chassis 0F02Z Manufacturer Ford Motor Co.

Serial # Engine 0F02Z Manufacturer Ford Motor Co.

Recognition valid from APR 1 1970 List 1970/4

The manufacturing of the model described in this recognition form was started on August 1969 and the minimum production of over 1,000 identical cars, in accordance with the specifications of this form, was reached on December, 1969.

(**) 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.

John C. ...

MAKE Ford

1970 BOSS 429

MODEL Mustang

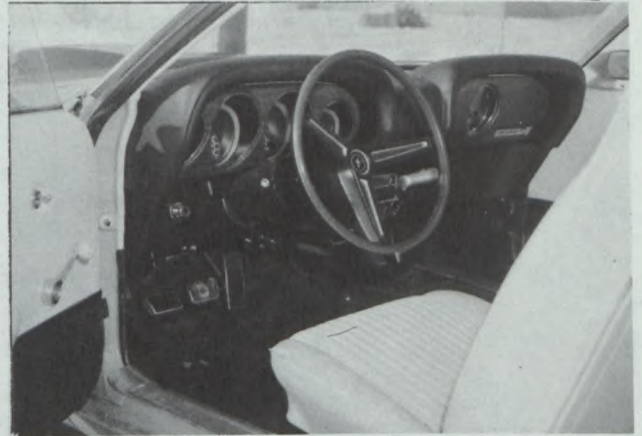
FIA REC # 1590

M
BOSS
429
G II

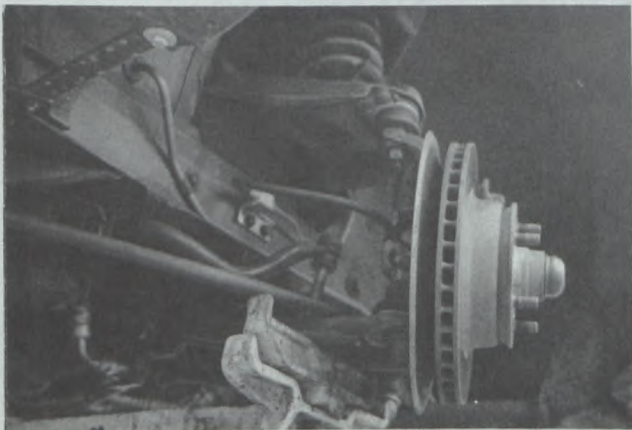
B 3/4 rear car (**)



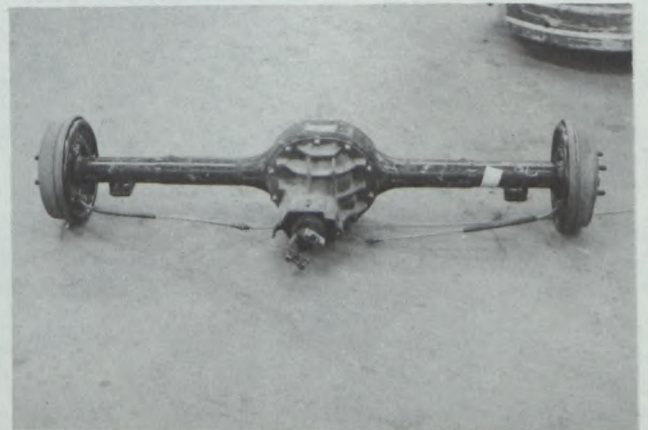
C interior-car (**)



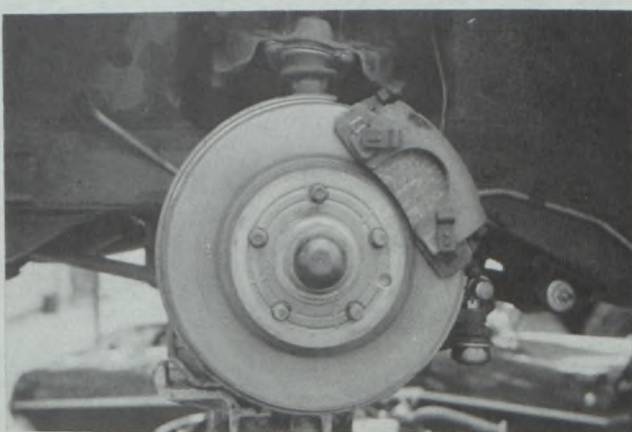
D front axle (**)



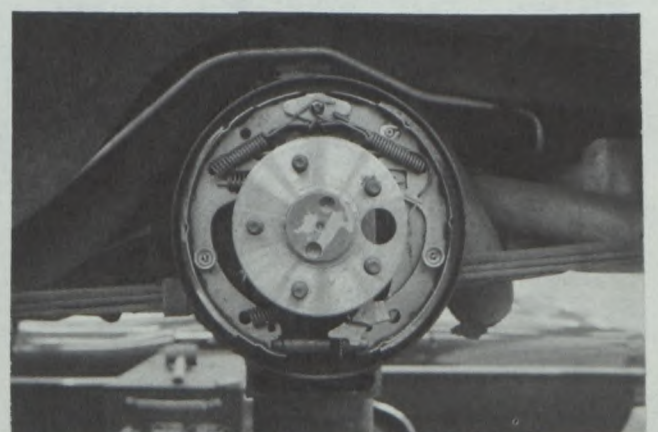
E rear axle (**)



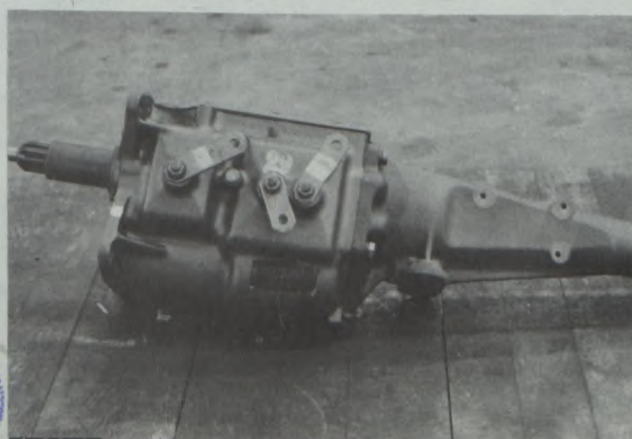
F brake, front (**)



G brake, rear (**)



H gear box (**)



I exhaust system ()



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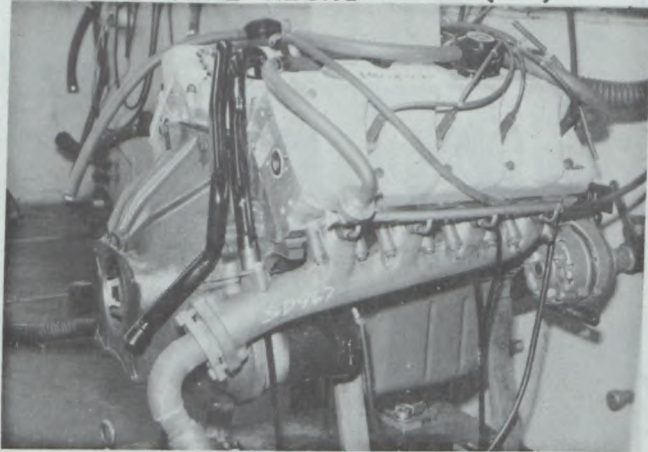
MAKE Ford Motor Co.

MODEL 1970 BOSS 429 Mustang

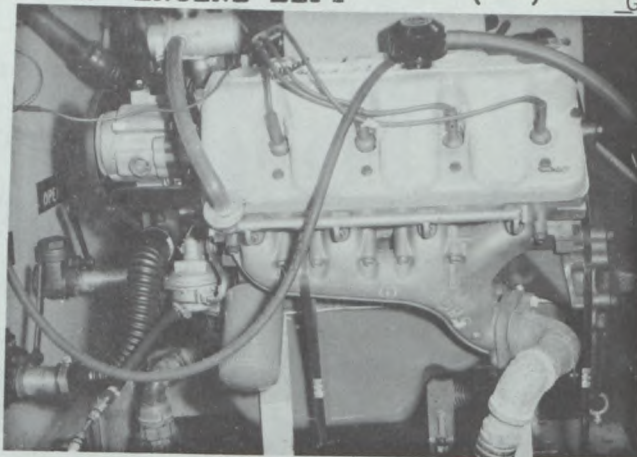
FIA REC # 1590

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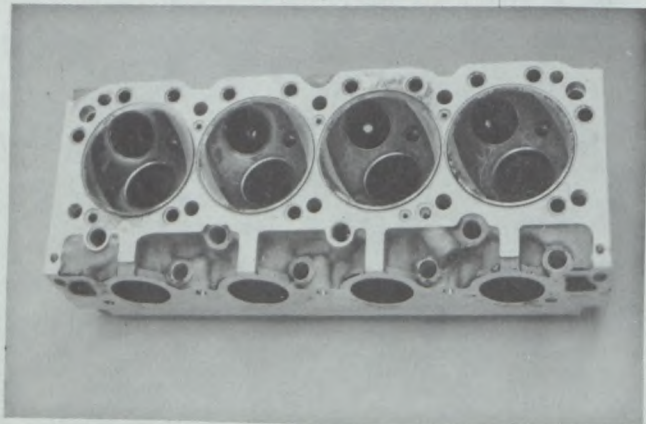
J ENGINE RIGHT (**)



K ENGINE LEFT (**)



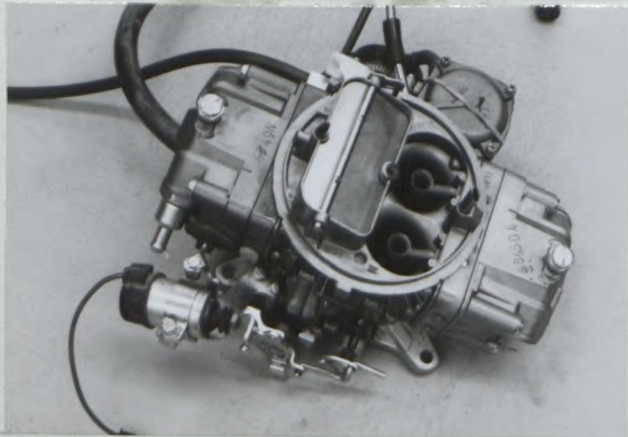
L COMBUSTION CHAMBER



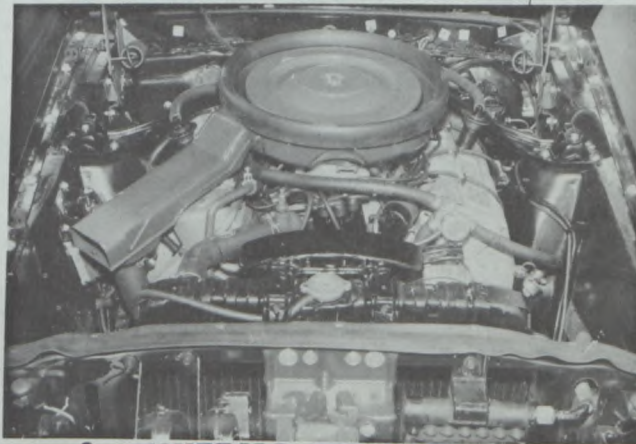
M PISTON TOP ()



N CARBURETOR ()



O ENGINE IN PLACE (**)



P MANIFOLD INLET

Q MANIFOLD EXHAUST



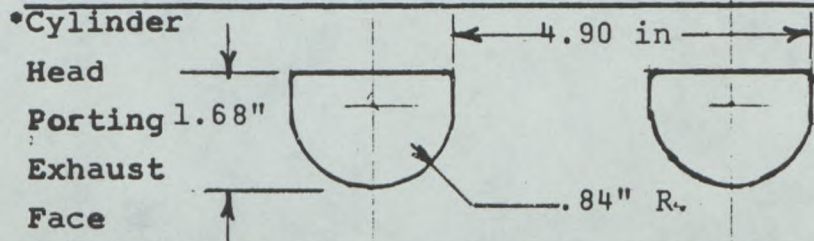
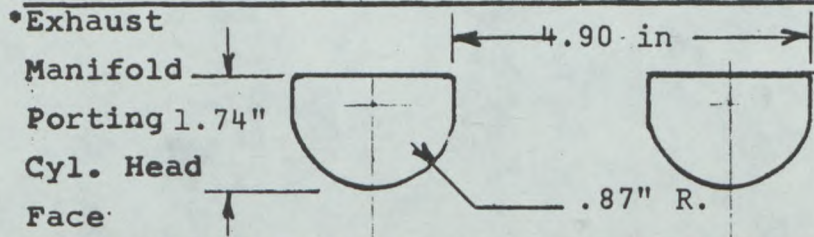
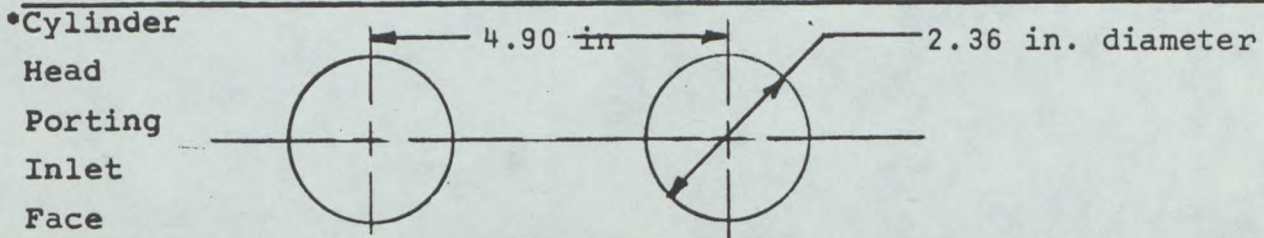
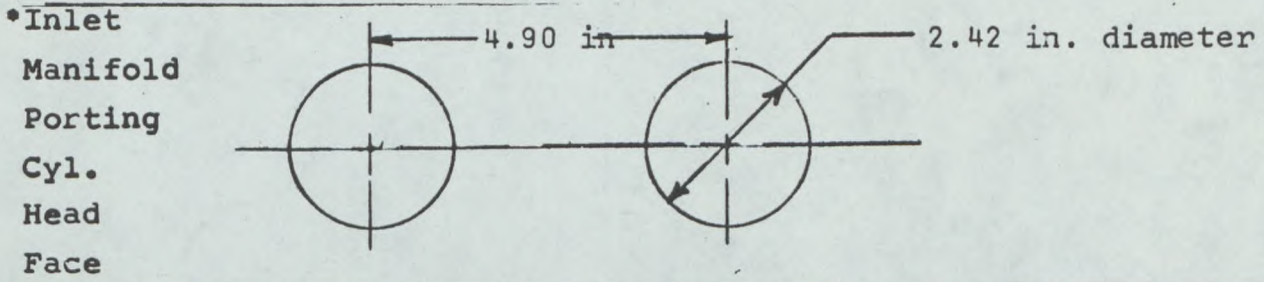
2.42 DIA.

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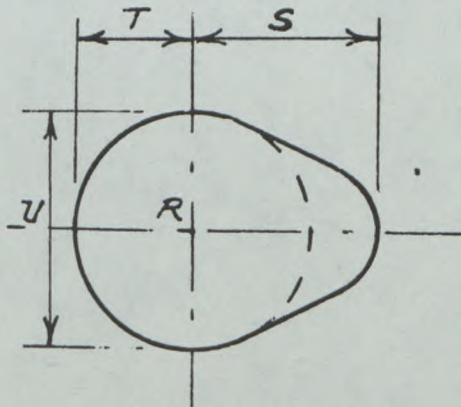
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ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES. +/- .04 in. or 1.00 mm



CAM



Inlet cam

S=	25.832 mm	1.017 in
T=	18.263 mm	.719 in
U=	36.525 mm	1.438 in

Exhaust cam

S=	25.832 mm	1.017 in
T=	18.263 mm	.719 in
U=	36.525 mm	1.438 in



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MAKE Ford Motor Co.

MODEL Mustang

FIA REC # 1590

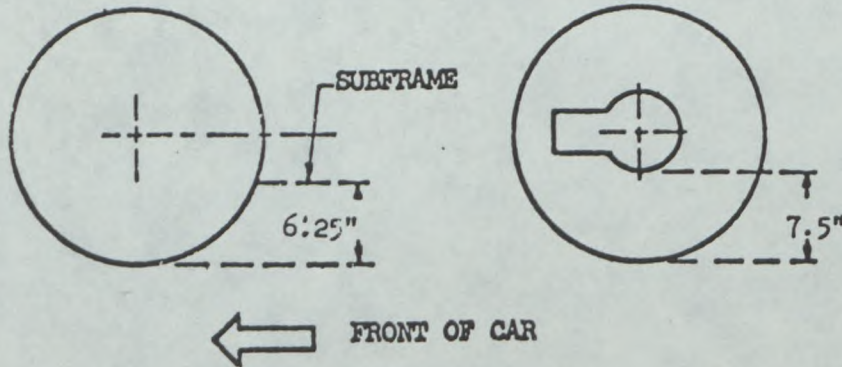
IMPORTANT: Questions 1 through 9 must be answered in two measuring systems, one of which must be the metric system.
See conversion table at index.

CAPACITIES & DIMENSIONS

- (**) 1. Wheelbase 2743.2 mm 108.0 in
 - (**) 2. Front track with 7" wheels 1549.4 mm 61.0 in + at 0° Camber
 - (**) 3. Rear track with 7" wheels 1549.4 mm 61.0 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 cm 187.4 in
- 5. Overall width of car 182.1 cm 71.7 in
- 6. Overall height of car 128 cm 50.4 in
- 7. Capacity of fuel tank (reserve included) 83.27 ltrs.
22 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.
1560 kg 3438 lbs

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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 none
- 31. Windows - actuating system hand operated window regulator
- 32. Window, rear quarter - material/s glass/hinged

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) 14.8 kg 32.5 lbs each
- CHECK: BENCH BUCKET X CONSOLE INCLUDED Optional
- 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 or magnesium
- 51. Weight (per wheel, without tire) 5.9 kg 13 lbs
- 52. Method of attachment stud and nut (5)
- 53. Rim, diameter 381 mm 15 in
- 54. Rim, width 178 mm 7 in

STEERING

- 60. Type Recirculating ball and nut
- 61. Servo assistance optional
- 62. Number of turns of steering wheel from lock to lock 3.74 turns to left
4.64 turns to right
- 63. In case of servo assistance 3.74



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MODEL 1970 BOSS 429 Mustang FIA REC # 1590

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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 Rigid Axle
- (**) 79. Spring - type Leaf
- () 80. Stabilizer - if fitted Yes
- 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 60.45 mm 2.38 in 22.2 mm .875 in
- (indicate stepped bore dimensions if applicable)

Drum Brakes

- | | <u>Front</u> | <u>Rear</u> |
|------------------------------|--------------------------|--------------------------------------|
| 95. Diameter, inside | mm 125.4 | mm 10.0 in |
| 96. Linings, length | mm 49.5 | mm 19.5 in |
| 97. Linings, width | mm 50.8 | mm 2.0 in |
| 98. Shoes - number per brake | | Two (2) |
| 99. Area, total - per brake | mm ² 25,162.8 | mm ² 39.0 in ² |

Disc Brakes

- | | | | | |
|------------------------------|-----------------|---------------------------------------|-----------------|-----------------|
| 100. Diameter, outside | 287 | mm 11.3 in | mm | in |
| 101. Thickness of disc | 24.00 | mm .945 in | mm | in |
| 102. Lining - length | Primary 163.23 | mm 6.82 in | mm | in |
| | Secondary 124.5 | mm 4.9 | | |
| 103. Lining - width | Primary 55.8 | mm 2.20 in | mm | in |
| | Secondary 52.6 | mm 2.07 | | |
| 104. Pads - number per brake | | Two (2) | | |
| 105. Area, total - per brake | 16,324 | mm ² 225.3 in ² | mm ² | in ² |



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ENGINE ACCESSORIES

- () 230. Pump, fuel - mechanical and/or electrical
- 231. Number fitted One (1)
- 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 Trunk
- 241. Voltage - volts 12 amp hrs 80

ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- () 250. Horsepower - maximum engine output 375 at 5200rpm
(indicate SAE or DIN)
- () 251. RPM - maximum 5200 output at that figure 375 SAE
- () 252. Torque - maximum 450 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 29.91 cm 11.5 in
- 263. Linings - diameter - inside 11.78 cm 7.0 in
- Linings - diameter - outside 29.91 cm 11.5 in
- 264. Method of operation Mechanical



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 MAKE Ford Motor Co. MODEL Mustang FIA REC # 1590

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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 type none fitted
- (**) 275. Ratios, forward - number
- 276. Gear-Shift - location

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.32	$\frac{23}{25} \frac{32}{15}$						
2	1.69	$\frac{23}{25} \frac{28}{18}$						
3	1.29	$\frac{23}{25} \frac{25}{21}$						
4	1.00	direct						
5								
6								
reverse	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 4 pinion
- (**) 292. Limited Slip Differential (if fitted) - type - Positive locking by clutch, ratchet or roller
- 293. Ratio 3.91
- Teeth - number $\frac{43}{11}$

(/) Specify friction or tooth type locking differential



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1970 BOSS 429
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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 lbs.

S8MR-2025-A Rear Disc Brake Kit, Includes: 65 lbs.

- 2 - Brake Rotors - Ventilated
- 2 - Caliper assemblies - RH & LH
- 2 - Brackets, Caliper Mounting - RH & LH
- 2 - Hubs, with required bearing assemblies, lines, fittings, & attaching parts.

Applicable Dimensions

100. Diameter Outside	11.3 in	287 mm
101. Thickness of Rotor	.945	24.2
102. Lining Length	4.875	123
103. Lining Width	1.81	45.97
104. Pads - no. per brake	Two (2)	
105. Area - Total, per brake	17.65 in. ²	12,214 mm ²

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Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN

S8MR-2025-C Front Disc Brake Kit, Includes: 75 lbs
2 - Brake Rotors, Ventilated
2 - Caliper Assemblies, RH & LH
2 - Brackets, Caliper Mounting LH & RH
2 - Hubs, with required bearing assemblies, lines, fittings,
and attaching parts
Applicable Dimensions
100. Diameter, Outside 11.96 in 303.8 mm
101. Thickness of Rotor 1.25 31.8
102. Lining Length 5.36 136.1
103. Lining Width 1.90 48.3
104. Pads - no. per brake Two (2)
105. Area - Total per brake 20.36 in.²
13,147.3 mm²

S7MR-6650-B Differential Cooler Kit, Includes
1 - Radiator - Oil
1 - Duct - Air and flange assembly
1 - Plenum box
2 - Pump - oil circulating
1 - Bracket - Pump mount
required lines, fittings and attaching hardware

S8MR-7009-A Transmission cooler kit, Includes:
1 - Radiator - Oil
1 - Duct - air and flange assembly
1 - Plenum box
1 - Pump - Oil circulating
required lines, fittings, and attaching hardware

S9MR-10849-A High Performance Instrument Cluster, Includes:
1 - Panel, Instrument
1 - Tachometer
1 - Oil Pressure Gauge
1 - Temperature Gauge
1 - Water Temperature Gauge
1 - Fuel Pressure Gauge
1 - Speedometer

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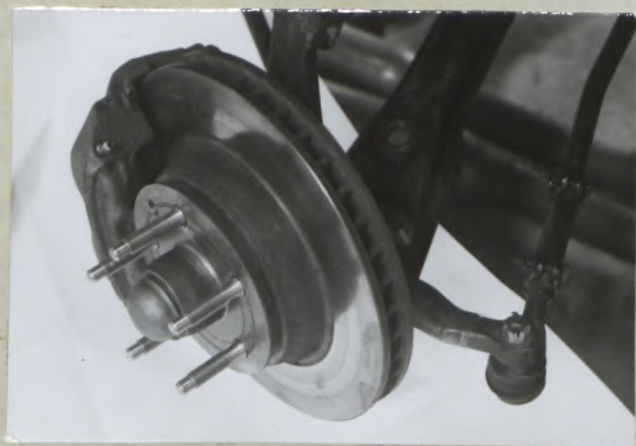
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MODEL Mustang

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Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



Optional Rear Disc Brake with Protective Shield



Optional Front Disc Brake



Fuel Tank - 120 liters or 31.7 gallons



Front Valance Panel - 7 lbs.

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