

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 FORM OF RECOGNITION

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

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#### **CONVERSION TABLE:**

l inch / pouce	2.54 cm	
1 foot / pied	30.479 cm	
l square inch / pouce carre	6.452 cm2	
l cubic inch / pouce cube	16.387 c≋3	
l pound (lb.) / livre	453.593 gr	
l pint (U.S.)	.473 Îtrs	.833 pt. Imp.
l quart (U.S.)	.946 ltrs	.833 qt. Imp.
l gallon (U.S.)	3.785 ltrs	.833 gal.Imp.
l pint (Imp.)	.568 ltrs	1.20 pt. U.S.
l quart (Imp.)	1.136 ltrs	1.20 qt. U.S.
l gallon (Imp.)	4.546 ltrs	1.20 gal. U.S.

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



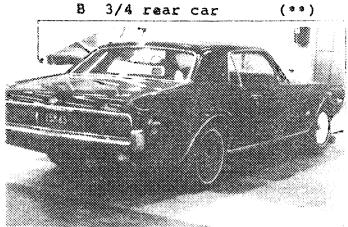
433 MAIN ST. STAMFORD, CONN. 06901 (203) 348-6233

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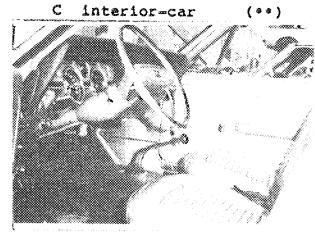
	P	orm of reco	GNITION			7/
In accordance	with Append	ix "J" of t	he Inter	nation	al Sport:	ing Code 14
		er capacity ry Division				
Manufacturer .	Ford Motor Co.	nnanv	Model	1968 Coi	ıgar 427	
Serial # Chas.	sis 8F91W-50	00001	Manufac	cturer .	Ford Motor	ercury Division r Company
Serial # Engi	ne None		Manufac	cturer .	Ford Motor	c Company
Recognition v	alid from			List	bassasaning vynorigen gwys sidendd	x <del>ranaungaranaunauna).coortoo</del>
The manufactu was started or identical car was reached or	n August 23, : s, in accord	1 <u>96</u> 7and the ance with t	minimum he speci	produc	tion of	10,000
(*) need not (**) only nee	be answered d to be answ	for Group ered for Gr	II and I	III car	S »	
	A 3	/4 Front Vi	ew Car	* *		
			3113			
The vehicle damendments:	lescribed in	this form	nas been	subjec	t to the	following
Variants           on 19 re           on 19 re           on 19 re	c # list	No. on on	rmal evo 19 19 19	lution rec # rec # rec #	of the t	
Stamp/Signatu National Spor		ity				ignature I.A.

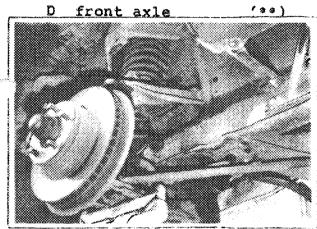
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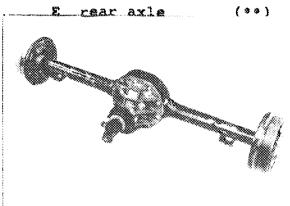
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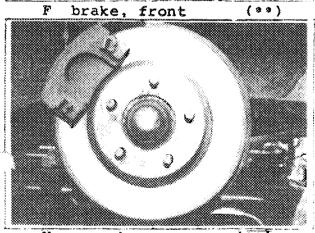


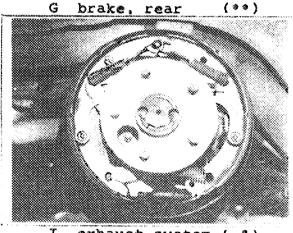


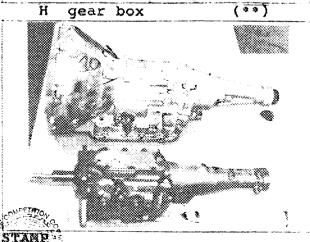






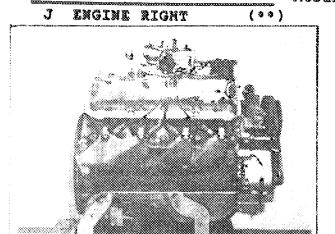




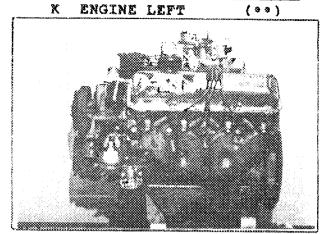




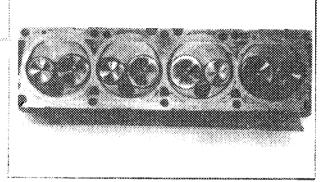
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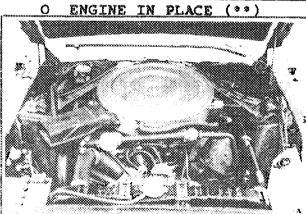
COMBUSTION CHAMBER

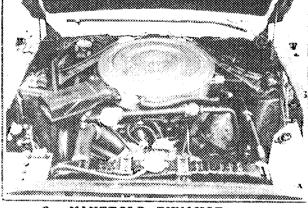


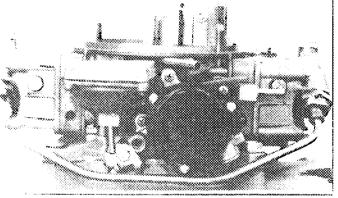
PISTON TOP



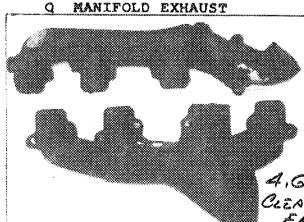
N CARBURETOR



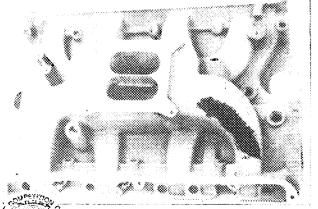




MANIFOLD INLET

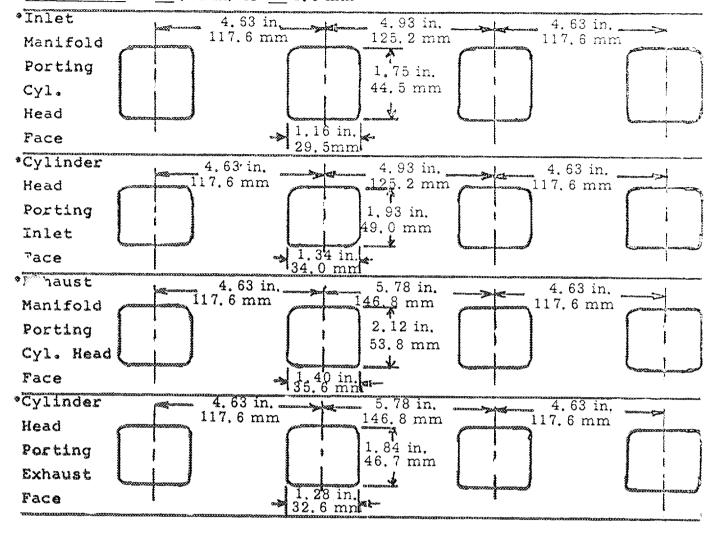


4,6 Sp in. CLEAR AREA

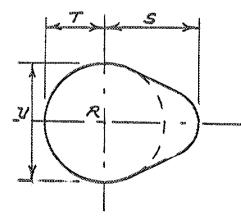


trip out: ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES. STAMP

# ALL SKETCHES MUST INDICATE ACTUAL DIMENSIONS AND MANUFACTURER'S TOLERANCES. = + ,04 in, or + 1.0 mm







	let cam			
S	26,0	mm	1.025	i.n
T=	19.0	mm	. 747	in
Uz	37.9	mm	1 494	in

Exhaust cam
S= 26.2 mm 1.030 in
T= 19.0 mm .747 in
U= 37.9 mm 1.494 in

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IMPORTANT: Questions I through 9 must be answered in two measuring systems, one of which must be the matric system.

See conversion table at index.

#### CAPACITIES & DIMENSIONS

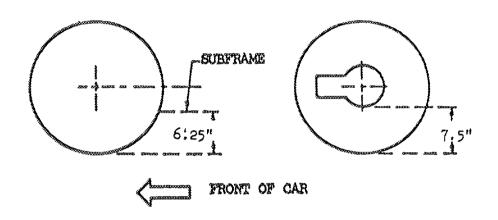
33)	1.	Wheelbase	2819.4	IRM.	lll in	A: 00	2 )
99)	2.	Front track	1483.4	mm	58.4in *		Camber Toe-In
**)	3.	Rear track	1475.7	ram.	58.lin +	J	100 1

Rear track

+ Differences in track resulting from use of optional \*See Note Below 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 sligibility 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 <b>in</b>
5 ,	Overall	width of car	181.1	cm	71.3 in
6.	Overall	height of car	131.3	cm	51.7 in

- 7. Capacity of fuel tank (reserve included) /128.7 / 64.3 ltrs. 37/34/17 gallons US 140.0 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.

1410 **kg** 3116 **lbs** 

STAMP

### 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, Regulator Windows - actuating system
  - 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 kg 35.2 lbs BENCH BUCKET X CONSOLE INCLUDED
  - 43. Seats, rear - type of seat and upholstery Bench - Cloth and/or Vinyl
  - 44. Bumper, front - material/s Steel kg 7.481bs 16.5 Weight
  - 45. Bumper, rear - material/s 6.57**1bs** kg 14.5 Weight

#### WHEELS

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

#### STEERING

- 60. Type Recirculating Ball and Nut
- 61. Servo assistance No
- Number of turns of steering wheel from lock to lock 4.6 62.
- 63. In case of servo assistance 3.7

STAMP

Drum Brakes

MAKE

(**) 70.	Suspension,	front	(photo	D)		type	Independent
----------	-------------	-------	--------	----	--	------	-------------

(\*\*) 71. Spring - type Coil

Yes ( \*) 72. Stabilizer - if fitted

Two (2) 73. Shock absorbers - number

74. Type Tubular Adjustable

(\*\*) 78. Suspension, rear (photo E) - type Live Axle

(\*\*) 79. Spring - type Leaf

Stabilizer - if fitted ( \*) 80. No

81. Shock absorbers - number Two (2)

82. Type Tubular Adjustable

#### BRAKES (Photos E and F)

105. Area, total - per brake

(\*\*) 90. Method of operation Hydraulic

(\*) 91. Power assisted (if fitted) - type Pedal Boost

Master Cylinders - number and type 92. One (1) - Dual (indicate if duplex master cylinder) Front Rear

93. Cylinders - number per wheel 1

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

Front

Rear

mm 2

- ALLONNING			OLOGO PROPERTY.	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN		***************************************	r
95.	Diameter, inside		mm		<b>in</b> 254	mm	10 <b>in</b>
96,	Linings, length		mm		in 495	mm 1	9.5 in
97.	Linings, width		mm		in63.5	mm	2.5 in
98.	Shoes - number per brake		Two	(2)			
99.	Area, total - per brake		mm 2	: :	L <b>n2</b> 31,454	mm 2 =	8.75 <b>in2</b>
Disc	Brakes						
100.	Diameter, outside	287	mm	11.3	in	mm	in
101.	Thickness of disc	23.88	mm	.940	in	mæ	in
102.	Lining - length	124.5	mm	4.9	in	mm	in
103.	Lining - width	46.8	mm	1.83	in	mm	in
104.	Pads - number per brake		Two	(2)			

11,580



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mm217.9in2

in2

#### ENGINE (Photos J and K)

- (\*\*) 130. Cycle two four Wankel
- (8) 131. Cylinders number Eight
- (\*\*) 132. Cylinders arrangement VEE Wankel # of elements and basic dimensions
- (3°) 133. Bore 107.56 mm 4.23 in
- (\*\*) 134. Stroke 96.11 mm 3.78 in
- (\*\*) 135. Cylinders capacity 872.8 cm3 53.26 in3
- (\*\*) 136. Cylinders, total capacity 6982.4 cm3 426.1 in3
- [99] 137. Cylinder Block material/s Cast Iron
- 138. Sleaves material/s (if fitted) None
- \*\*) 139. Head, cylinder material/s Cast Iron number fitted Two (2)
- (\*\*) 140. Port, inlet = number Eight (8) Four (4) Per Head
- (\*\*) 141. Port, exhaust number Eight (8) Four (4) Per Head
  - \*) 142. Compression ratio 10.4
- $\pm 1.5$  (\*) 143. Combustion chamber volume 74.2cm3  $\pm 4.54$  in 3
  - \*) 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 44.75 mm 1.75 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 5.68 ltrs pts 6 qts US
- \*) 153. Cooler, oil yes no
  - 154. Cooling method Water Radiator
  - 155. Cooling capacity of system 19.39 1trs pts 20.5 qts US
    STAMP
    STAMP

- FIA REC #5204 Fan, cooling (if fitted) - diameter 46.36 cm 18.25 in
- ( \*) 157. Fan. cooling - number of blades Seven (7) material/s Steel BEARINGS
- (\*\*) 158. Crankshaft, main - type insert diameter 69.82 mm 2.7488
- (\*\*) 159. Connecting rod, big and - typeinsertdiameter 61.94mm 2.4384 in
- WEIGHTS

( \*) 136.

- ( \*) 160. Flywheel (clean) 18.14 kq 40.1 1 b s
- ( \*) 151. Plywheel with clutch (all rotating parts) 29.6 kg 65.35 lbs
- ( \*) 162. Crankshaft 30.72 kg 67.9 lbs
  - Connecting Rod .831 163. ka
- ( \*) 164. Piston with rings & pin .863 kg 1.90 lbs

#### FOUR CYCLE ENGINES

- .\*\*) 170. Camshafts - number One (1) material/s Allov Iron
- Camshaft location (\*\*) 171.

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)

- Inlet manifold materials Aluminum or Cast Iron 180.
- 181. Valves (overall) - diameter 53.26 mm 2.097 in
- ( \*) 182. Valve lift - maximum 12.22 .481 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) in
- ( \*) 187. Valves - open at (with tolerance for tappet clearance indicated)
- Valves close at (with tolerance for tappet ( \*) 188. clearance indicated)
- ( °) 189. Air filter type Dry Element

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#### EXHAUST (See Photo Q )

- 195. Manifold, exhaust material/s Cast Iron
- 196. Valves (overall) diameter 43.05 mm 1.695 in
- 197. Valve, lift maximum 12.45 mm .490 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)
- (\*) 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)

- 210. Carburetors, fitted number One (1)
- 211. Type 4V Down Draft
- ( \*) 212. Make Holley
- ( \*) 213. Model 9510
  - 214. Carburetors number of mixture passages Four (4)
- ( \*) 215. Carburetor flange hole diameter of exit port 39.6 mm 1.561 in
  - 216. Venturi throat diameter+ 31.8 prim.mm 1.25 in prim. 33.3 sec. 1.3125 in sec.

#### INJECTION

Carrie S

- 220. Pump make
- 221. Plungers number None Fitted
- ( \*) 222. Pump model
  - 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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    STAMP

#### ENGINE ACCESSORIES

- ( \*) 230. Pump, fuel - mechanical and/or electrical
  - One (1) Each Total Two (2) 231. Number fitted
  - Battery and Coil Ignition system - type 232.
  - Distributors number One (1) 233.
  - Coils, ignition number One (1) 234.
  - 235. Spark plugs - number per cylinder One (1)
  - Generator (or Alternator) number fitted One (1) 236.
  - Belt Drive - method 237.
  - Voltage, generator volts 12.8 238.
  - One (1) Battery - number 239.
  - Front of Car 240. Location
  - Voltage volts 12 amp hrs 55 241.

#### ENGINE & CAR PERFORMANCE as declared by mfr. in catalogue

- Horsepower maximum engine output 390 at 5600 rpm S.A.E. (\*) 250. (indicate SAE or DIN)
- RPM maximum 5600 output at that figure 390 (\*) 251.
- \*) 252. Torque - maximum 460 at 3200 rpm
- miles/hour (\*) 253. Speed - maximum km/hour

#### DRIVE TRAIN

#### Clutch

- 260. Type Dry Plate
- Plates number of driven 261. One (1)
- 29.2 11.5 in 262. Plates - diameter cm
- Linings diameter inside 17.78 7 in 263. CM Linings - diameter - outside 29.2 11.5 CHA in
- Mechanical 264. Method of operation

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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 Flanetary Gears

and Torque Converter

(\*\*) 275. Ratios, forward - number

Three (3)

276. Gear-Shift - location

Floor

	Ma	nual	Automa	atic	Alternative manual/automati Ratio # Teeth Ratio # Teeth			
277.	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth	Ratio	# Teeth
1	2.78	<u> </u>	2.46	mur ::1	2.32	23 32 25 15		
2	1.93	<u>23</u> <u>31</u> 30 21	1.46	Max 2.0	1.69	<u>23</u> <u>28</u> 25 18		
3	1.36	23 <u>25</u> 30 24	1.00	rter 11	1.29	~ 기상		
4	1.00	Direct		onve Sta		Direct		
5				ne C . at				
6			Foot (10 see 27 see 17 see 17 see	rorq' kati				
reverse	2.78		2.175		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 bookin

Locking - By Ratchet or Roller

(\*\*) 292. Limited Slip Differential (if fitted) - type ≠ Positi

Positive Locking (Ratchet or Roller)

293. Ratio

3.0 3.25 3.50 4.11 3.70 3.89

**Teeth - number**  $\frac{39}{13}$   $\frac{39}{10}$   $\frac{35}{30}$   $\frac{37}{30}$   $\frac{37}{30}$ 

( ≠) 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

28 LB1. W-64000 Power Steering

75 Las. W-65000 Air Conditioning

17.4 635 S7MS 6675-B Sump Guard

C4HM 1007-7M Wheels 15  $\times$  7 in. - 381  $\times$  178 mm Steel and/or Aluminum

SLMK 6642-A Engine Oil Gooler Kit - Includes: 9.6 LBS CAP 1.7 QTS.

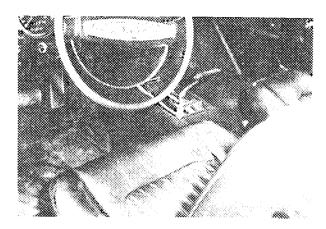
l Radiator - Oil

l Adapter

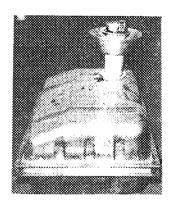
2 H ses Required Brackets, Fittings, Gaskets, Attaching Parts

STAMP

Optional Equipment - CATALOGUE PART NUMBER MUST BE GIVEN



INTERIOR OF CAR WITH AUTOMATIC GEARBOX



37 GAL. GAS TANK WITH EXTERNAL FILLER ASSY. 36 Las.

STAMP