

**GROUP 3E RECOGNITION FORM**

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



**1. GENERAL**

101. Manufacturer

**FORD**

102. Commercial name(s) - Model and type

**MUSTANG GT FN**

103. Engine capacity

**5038** cm<sup>3</sup>

Corrected engine capacity

**629.75 x 8 = 5038** cm<sup>3</sup>

104. Type of car construction

a) Type

separate chassis

monocoque

b) Material of chassis / bodyshell

**STEEL**

106. Number of seats

**5**

**2. DIMENSIONS, WEIGHT**

201. Tare Weight Manual

**1732** kg

**RVD CPA Number. 47158-1256030**

Minimum Racing Weight

**1661** kg

Tare Weight Automatic

**1746** kg

Minimum Weight Automatic

**1674** kg

202. Overall length

**4784** mm +/- 1 %

203. Maximum overall width

**1916** mm +/- 1 % Where measured **REAR AXLE CENTRELINE**

204. Width of bodywork

a) At front axle

**1597** mm +/- 1 %

b) At rear axle

**1658** mm +/- 1 %

Make **Ford**Model **Mustang GT FN**

205. Minimum height centre hub / Wheel arch opening

a) Front **376**mm b) Rear **357**mm206. Wheelbase **2720**mm +/- 1%

207. Maximum track

a) Front **1657**mm b) Rear **1698**mm

209. Overhang

a) Front **1132**mm +/- 1% b) Rear **932**mm +/- 1%

3. ENGINE (In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine **FRONT**302. Number of mounts **2**

C) Right hand view of dismantled engine



D) Left hand of dismantled engine



E) Engine in its compartment



Make **Ford**Model **Mustang GT FN**

304. Supercharging

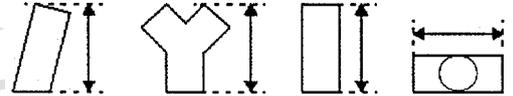
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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(In case of supercharging, see Art. 334 on additional form)

Type and number of compressors

**Normally Aspirated**

305. Number and layout of cylinders

**V8**

312. Cylinder block material

**ALLUMINIUM**

306. Type of cooling

**WATER**

307. Cylinder capacity

a) Single cylinder/Chamber **618.61** cm<sup>3</sup> b) Total **5038** cm<sup>3</sup>

308. Total minimum volume of a combustion chamber

**686.7** cm<sup>3</sup> (Chamber + swept volume ABC)

309. Minimum volume of a combustion chamber in the cylinder head

**57** cm<sup>3</sup> (Chamber ATC)

310. Maximum compression ratio (in relation with the unit)

**12:1:1**

311. Minimum height of the cylinder block

**227** mm

313. Sleeves

a)  yes  no b) **CAST IRON** c) wet  dry

314. Bore

**93MM** +/- 0.1 mm315. Maximum bore allowed **93.05** mm

316. Stroke

**92.7** +/- 0.1 mm

317. Piston

a) Material **ALLUMINIUM**b) Number of rings **3**c) Minimum weight **360** gd) Distance from gudgeon pin centre line to highest point of piston crown **29.87** +/- 0.1 mme) Distance (+/-) between the top of the piston ATC and the gasket plane of the cylinder block **0** +/- 0.15 mmf) Piston crown relief/dome volume **-2.5** +/- 0.5 cm<sup>3</sup> (Show dome as negative)

AA) Piston

318. Connecting rod

a) Material **STEEL** b) Big end type **2 PIECE BEARING**c) Interior diameter of the big end (without shell bearings) **56.88** mm +0.1/- 0 mmd) Length between the axes **150.67** +/- 0.1 mm e) Minimum weight **610** g

E1) Connecting rod seen from 3/4 (with marking)

Make **Ford**Model **Mustang GT FN****319. Crankshaft**a) Type of manufacture **SINGLE** (Single or multi piece)

b) Material

c)

 cast forged

d) Number of bearings

e) Type of bearings

**2 PIECE**

f)

Diameter of bearings

**67.58**mm +/- 0.25 mm

g) Bearing caps material

**STEEL**

h)

Minimum weight of bare crankshaft

**2500** g +/- 400.0gi) Diameter of crank pins **50.4** mm +/- 0.25 mm**320. Flywheel**

a) Material

**STEEL**

b) Minimum weight with starter ring

**N/A** g**321. Cylinderhead**

a) Number

**2**

b) Material

**ALLUMINIUM**

c) Minimum height

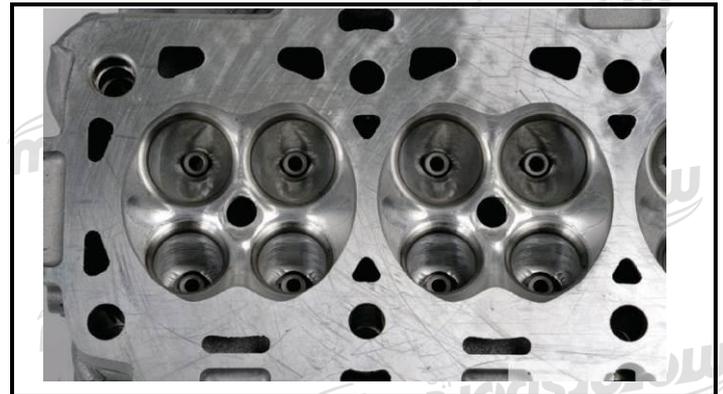
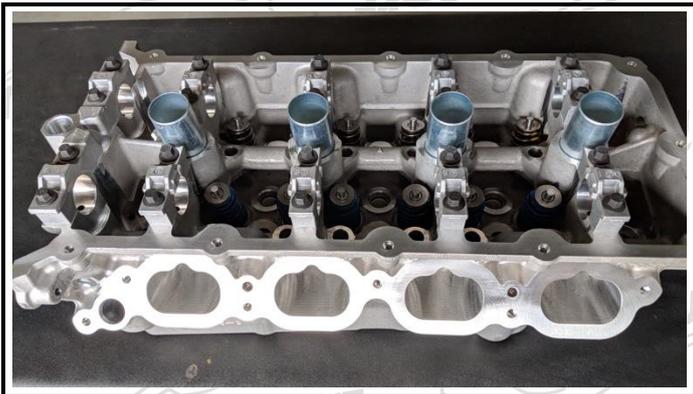
**N/A** mmd)

Where measured

**N/A**

F) Bare cylinderhead

G) Combustion chamber

**323. Fuel feed by carburettor**a) Number of carburetors **NILL**

b) Type

**N/A**

c) Make and model

**324. Fuel feed by injection :**

a) Make

b) Model

c) Type of fuel measurement :

 mechanical electronic hydraulic

d) Dimensions of intake duct at the throttle or slide location

**80** +/- 0.25 mm

e) Number of effective fuel outlets

**16**

f) Position of injectors

f1)

 Manifold Cylinderhead

g) Sensors of injection system

**ENGINE TEMP, MAP ,CAM POSITION (4) CRANK POSITION (1) THROTTLE POSITION DRIVER(2)****AIR TEMP, LAMBDA(2), FUEL PRES., THROTTLE POSITION ENGINE (2),FUEL PRESSURE X 2**

Make **Ford**Model **Mustang GT FN**

h) Actuators of injection system

**THROTTLE STEPPER, INJECTORS(16)****325. Camshaft**a) Number **4** b)Location **DOHC**

c) Drive system

**VCT-CHAINS** d)Number of bearings per shaft **NIL**

e) Diameter of bearings

**N/A** mm f)Type of valve operation **ROCKER****327. Intake**

a) Material of manifold

**PLASTIC**

b) Number of manifold elements

**8**

c) Number of valves per cylinder

**2**

d) Maximum diameter of the valve

**37.7** mm

e) Diameter of the valve stem in guide

**6** +0/-0.2 mm

f) Valve length

**119** +/- 1.5 mm

g) Type of valve springs

**COIL**

h) Number of springs per valve

**1**

k) External diameter of the springs

**32** +/- 0.2 mm

l) Number of spring coils

**10**

m) Diameter of spring wire

**3.55** +/- 0.1 mm

n) Max.free length of the springs

**55.2** mm**328. Exhaust**

a) Material of manifold

**STEEL**

b) Number of manifold elements

**8**

c) Internal dimensions of manifold exit

**N/A** mm

d) Number of valves per cylinder

**2**

e) Maximum diameter of the valve

**32** mm

f) Diameter of the valve stem in guide

**6**+0/-0.2 mm

g) Valve length

**108**+/- 1.5 mm

h) Type of valve springs

**COIL**

i) Number of springs per valve

**1**

l) External diameter of the springs

**32** +/- 0.2 mm

m) Number of spring coils

**10**

n) Diameter of spring wire

**3.55** +/- 0.1 mm

o) Max. free length of the springs

**55.2** mm

p) Diameter of exhaust pipe between manifold and first silencer

**44MM** mm +/- 5%

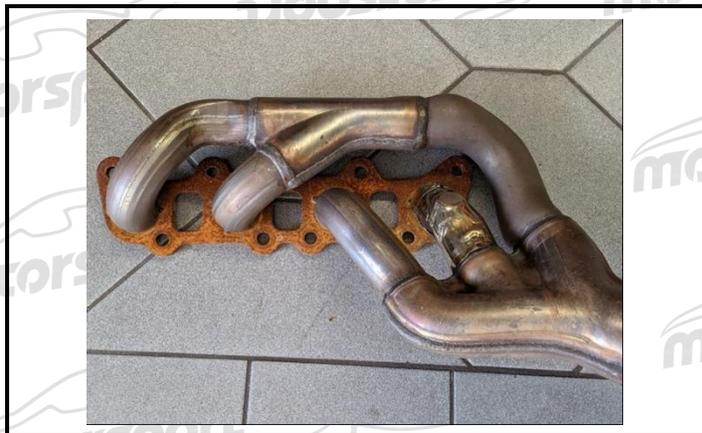
Make **Ford**

Model **Mustang GT FN**

I) Intake manifold



J) Exhaust manifold



BB) Complete exhaust system removed from vehicle (not including manifold)



330. Ignition system

- a) Type **COIL ON PLUG**
- b) Number of plugs per cylinder **1**
- c) Number of distributors **NIL**
- d) Number of coils **8**

331 Cooling system Capacity **15LT** l

- 332. Cooling fan
  - a) Number **2**
  - b) Diameter of the fan **400** mm
  - c) Material of the fan **PLASTIC**
  - d) Number of blades \_\_\_\_\_
  - e) Type of drive **DC ENGINE**
  - f) Automatic cut in  yes  no

333. Lubrication system a) Type **WET SUMP** b) Number of oil pumps **1**

- c) Total capacity **9** L
- d) Oil cooler(s)  Yes  no Number **2**
- e) Location of the cooler(s) **BEFORE RADIATOR**
- f) Type of the cooler(s) **AIR / WATER - OIL**

Make **Ford**

Model **Mustang GT FN**

**4. FUEL CIRCUIT**

**401. Fuel tank**

- a) Number **1**
- b) Location **BOOT**
- d) Total capacity **61 L**
- e) Filler hole locations **LH REAR QUARTER PANEL**

**402. Fuel pump(s)**

- a)  Elelectrical  Mechanical
- b) Number **2**
- c) Make and type **FORD**
- d) Location **INTANK (LP) CAMSHAFT DRIVE (HP)**

**5. ELECTRICAL EQUIPMENT**

**502. Generator**

- a) Number **1**
- b) Type **DYNAMO**
- c) Drive system **BELT**
- d) Nominal power **180** Amp

**503. Retractable headlights**

- a)  yes  no
- b) Control system \_\_\_\_\_

**6. POWER TRAIN**

**601. Driven wheels**

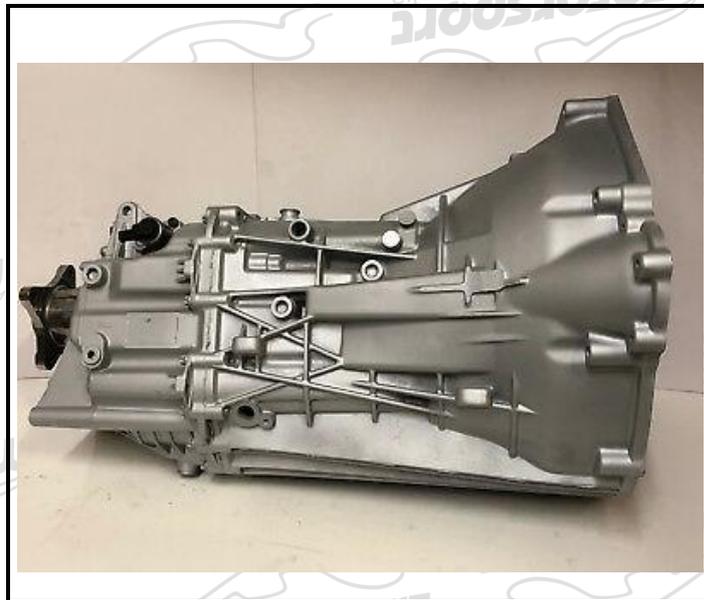
- front  yes  no
- rear  yes  no

**602. Clutch**

- a) Type **TWIN PLATE - FRICTION**

CC) Clutch

- S) Gearbox casing and clutch bell housing



- b) Control system **HYDRAULIC**
- c) Number of plates **TWIN (2)**
- d) Diameter of the plate(s) **265+/- 2 mm**

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Make **Ford**

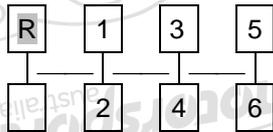
Model **Mustang GT FN**

**603. Gearbox**

- a) Location **CENTRAL**
- b) Make **GETRAG**
- c) Type and location of control **STICK - CABIN**
- e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<u>3.237</u>	_____	<u>YES</u>
2	_____	<u>2.104</u>	_____	<u>YES</u>
3	_____	<u>1.422</u>	_____	<u>YES</u>
4	_____	<u>1.0</u>	_____	<u>YES</u>
5	_____	<u>.814</u>	_____	_____
6	_____	<u>.622</u>	_____	<u>YES</u>
R	_____	<u>4</u>	_____	<u>NIL</u>
Constant	_____	<u>1</u>	_____	_____

f) Gear change gate



g) Type of lubrication

h) Oil cooler

yes     no

Type **OIL TO AIR**

**604. Transfer box / Centre differential**

- a) Ratios \_\_\_\_\_
- b) Number of teeth \_\_\_\_\_
- c) Control system of transfer box \_\_\_\_\_
- d) Type of central differential \_\_\_\_\_
- e) Torque distribution e1) Front \_\_\_\_\_ % Rear \_\_\_\_\_ % e2) Number of teeth \_\_\_\_\_
- f) Type of central differential limitation \_\_\_\_\_

**605. Final drive**

- a) Type of final drive
- b) Ratio
- c) Number of teeth
- d) Type of differential limitation
- e) Type of lubrication
- f) Oil cooler
- g) Cooler Type

	Front	Rear
a) Type of final drive	<u>N/A</u>	<u>CWP</u>
b) Ratio	<u>N/A</u>	<u>3.55:1</u>
c) Number of teeth	<u>N/A</u>	_____
d) Type of differential limitation	<u>N/A</u>	<u>RAMP AND PLATE LSD</u>
e) Type of lubrication	<u>N/A</u>	<u>WET</u>
f) Oil cooler	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g) Cooler Type		<u>OIL TO AIR</u>



Make **Ford**

Model Mustang GT FN

606. Shafts
- |    |                                     |               |
|----|-------------------------------------|---------------|
| a) | Type of longitudinal shafts         | <u>HOLLOW</u> |
| b) | Material of longitudinal shafts     | <u>STEEL</u>  |
| c) | Type of transversal half-shafts     | <u>SOLID</u>  |
| d) | Material of transversal half-shafts | <u>STEEL</u>  |

**XII) KINEMATIC TRAIN (4 wheel drive)**

Make **Ford**

Model **Mustang GT FN**

**7. SUSPENSION**

**701. General**

a) Type of suspension

	Front		Rear	
	<b>MACPHERSON STRUT</b>		<b>DOUBLE A-ARM</b>	
	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
	Steel		steel	
	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no	<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
a) Material of main leaf	_____		_____	
Material of 2nd leaf	_____		_____	
Material of 3rd leaf	_____		_____	
Material of 4th leaf	_____		_____	
Material of 5th leaf	_____		_____	
Material of auxiliary leaf	_____		_____	
	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
a) Material	_____		_____	

**705. Other type of suspension**

See description on additional form

**706. Stabiliser**

a) Effective length

b) Effective diameter

c) Material

	Front	Rear
a) Effective length	<b>1600</b> mm +/- 1%	<b>1500</b> mm +/- 1%
b) Effective diameter	<b>35</b> mm	<b>20</b> mm
c) Material	<b>STEEL</b>	<b>STEEL</b>

XI) Drawing or photo of front stabiliser

XI) Drawing or photo of rear stabiliser



Make **Ford**

Model **Mustang GT FN**

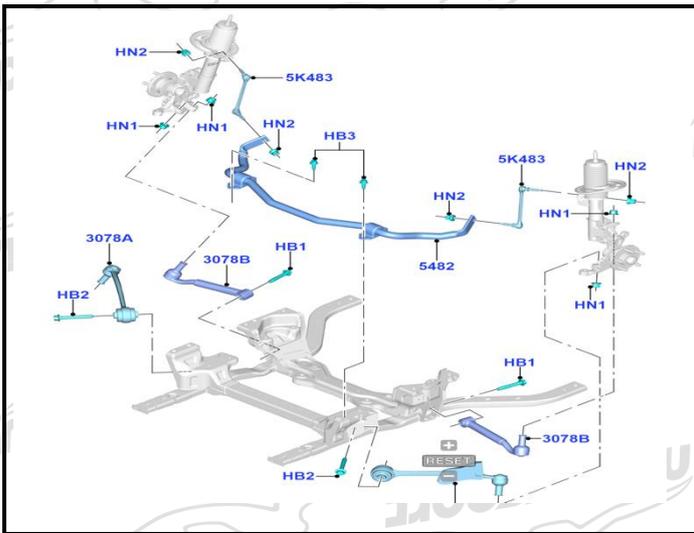
**707. Suspension Dampers**

- a) Number per wheel
- b) Type
- c) Principle of operation

Front	Rear
<u>1</u>	<u>1</u>
<u>HYDRAULIC - TELESCOPIC</u>	<u>HYDRAULIC - TELESCOPIC</u>
<u>HYDRAULIC</u>	<u>HYDRAULIC</u>

T) Complete dismantled front axle

U) Complete dismantled rear axle



**8. WHEELS**

801. Wheels

a) Diameter

Front	Rear
<u>19"</u>	<u>19"</u>
or	or
_____ mm	_____ mm

b) Width

Front	Rear
<u>9.0"</u>	<u>9.5"</u>
or	or
_____ mm	_____ mm

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Make **Ford**

Model **Mustang GT FN**

**803. Brakes**

- a) Braking system
- b) Number of master cylinders
- c) Servo-brakes

**SERVO HYDRAULIC**

**1**

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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- d) Braking regulator
- D2) Active

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<input type="checkbox"/> yes	<input type="checkbox"/> no

b1) Bores \_\_\_\_\_ mm / \_\_\_\_\_ mm

c1) Make and type **FORD**

d1) Location **FRONT BULKHEAD**

	Front	Rear
e) Number of cylinders per wheel	<b>6</b>	<b>2</b>
e1) Bore/s	_____ mm x _____ mm	_____ mm x _____ mm
f) <b>Drum brakes</b>		
f1) Internal diameter	_____ +/- 1.5 mm	_____ +/- 1.5 mm
f2) Number of linings per wheel	_____	_____
f3) Developed length of linings	_____ +/- 1.5 mm	_____ +/- 1.5 mm
f4) Width of linings	_____ +/- 1 mm	_____ +/- 1 mm
g) <b>Disc brakes</b>		
g1) Number of pads per wheel	<b>2</b>	<b>2</b>
g2) Number of calipers per wheel	<b>1</b>	<b>1</b>
g3) Caliper material	<b>Alluminium</b>	<b>Alluminium</b>
g4) Thickness of new disc	<b>34</b> +/- 1 mm	<b>25</b> +/- 1 mm
g5) External diameter of the disc	<b>380</b> +/- 1.5 mm	<b>330</b> +/- 1.5 mm
g6) External diameter of pads' rubbing surface	<b>380</b> +/- 1.5 mm	<b>330</b> +/- 1.5 mm
g7) Internal diameter of pads' rubbing surface	<b>256</b> +/- 1.5 mm	<b>222</b> +/- 1.5 mm
g8) Overall length of the pads	<b>170</b> +/- 1.5 mm	<b>132</b> +/- 1.5 mm
g9) Ventilated discs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no

h) Parking brake

h1) Control system

**LEVER**

h2) Location of lever

**CABIN**

h3) On which wheels

<input type="checkbox"/> Front	<input checked="" type="checkbox"/> Rear
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**804. Steering**

- a) Type
- b) Servo-assistance

Front		Rear	
<b>RACK AND PINION</b>		<b>NIL</b>	
<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
<b>ELECTRO MECHANICAL</b>		_____	

Type of Assistance

**9. BODYWORK**

**901. Interior**

- a) Ventilation
- c) Air Conditioning

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

b) Heating

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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f) Optional sun roof

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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f1) Type \_\_\_\_\_

f2) Control system \_\_\_\_\_



Make **Ford**

Model **Mustang GT FN**

Homologation N°

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Front	Rear
<b><u>ELECTRICAL</u></b>	<b><u>FIXED</u></b>

g) Opening system for side windows

X) Dashboard



Y) Sunroof



902. Exterior

a) Number of doors **2**

b) Tailgate

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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c) Door material

Front	Rear
<b><u>STEEL</u></b>	<b><u>N/A</u></b>

d) Front bonnet material

**STEEL**

e) Rear bootlid / tailgate material

**STEEL**

f) Bodywork material

**STEEL / ALLUMINIUM**

h) Rear window material

**GLASS**

i) Rear quarter window material

**POLYCARBONATE**

k) Side window material

Front	Rear
<b><u>GLASS</u></b>	<b><u>GLASS</u></b>
<b><u>PLASTIC</u></b>	<b><u>PLASTIC</u></b>
<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no

l) Material of bumper

n) Exterior Rear wiper



Make **Ford**

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**XIII) NON METALLIC PARTS OF THE BODY**

Number	Part	Material
various	Front Bumper bar cover	Plastic
various	Rear bumper bar cover	Plastic
VFR3Z9944210AA	Rear Deck Fin	Plastic composite

Drawing / photo required



Make **Ford**

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**COMPLEMENTARY INFORMATION**

**Fastback CDC Decklid – Factory option VFR3Z9944210AA**



**AUTOMATIC TRANSMISSION OPTION**

**6. POWER TRAIN**

601. Driven wheels

front  yes  no

rear  yes  no

602. Clutch

a) Type **NA**



b) Control system

**NA**

c) Number of plates

**NA**

d)

Diameter of the plate(s)

**NA**

Make **Ford**

Model **Mustang GT FN**

**COMPLEMENTARY INFORMATION**

603. Gearbox

a) Location **CENTRAL**

b) Make **FORD**

c) Type and location of control **STICK - CABIN**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	<b>4.6597</b>	_____	
2	_____	<b>2.9851</b>	_____	
3	_____	<b>2.1462</b>	_____	
4	_____	<b>1.7690</b>	_____	
5	_____	<b>1.5201</b>	_____	
6	_____	<b>1.270</b>	_____	
7	_____	<b>1.0</b>	_____	
8	_____	<b>0.8536</b>	_____	
9	_____	<b>0.6892</b>	_____	
10	_____	<b>0.6357</b>	_____	
R	_____	<b>4.8661</b>	_____	
Constant	_____		_____	

f) Gear change gate **AUTO**

g) Type of lubrication

h) Oil cooler

yes  no

Type **OIL TO AIR**

605. Final drive

a) Type of final drive

b) Ratio

c) Number of teeth

d) Type of differential limitation

e) Type of lubrication

f) Oil cooler

g) Cooler Type

	Front	Rear
a) Type of final drive	<b>N/A</b>	<b>CWP</b>
b) Ratio	<b>N/A</b>	<b>3.55:1</b>
c) Number of teeth	<b>N/A</b>	_____
d) Type of differential limitation	<b>N/A</b>	<b>RAMP AND PLATE LSD</b>
e) Type of lubrication	<b>N/A</b>	<b>WET</b>
f) Oil cooler	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
g) Cooler Type		<b>OIL TO AIR</b>

Make **Ford**

Model **Mustang GT FN**

**ERRATA:**

Version 3-20-005B

Updated Minimum Racing Weight Added RVD CPA Number  
Removed Automatic Tare and Racing Weight

