

## Study on the technical, design and strategic reasons why Ford beat Ferrari in Le Mans 66 with the design of the Ford GT40 model

# Annex II: Interesting pictures

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### FORD GT MARK II SPECIFICATIONS ENGINE Rear suspension: independent with No. cyl & type trailing arms, unequal length lat-V8. ohv Bore x stroke, mm 108 x 96 eral arms, coil springs, tube shocks, anti-roll bar. 4.24 x 3.78 Displacement, cc sq in 6997 427 Compression ratio 10.5:1 ACCOMMODATION 485 @ 6200 Bhp (a rpm. Equivalent mph 205 Normal capacity, persons Torque (a rpm, lb-ft 475 (a 4000 Occasional capacity Equivalent mph 128 Seat width, in. 2 x 15.5 1 Holley 780 cfm Carburetors Head room 37.0 No. barrels, dia 4 x 1.688 Seat back adjustment, deg: var-Type fuel required premium lable to driver's preference. Lubrication system: dry sump; 1 pressure, 2 scavenge pumps Entrance height, in 39.0 Step-over height 156 transistor Ignition system Door width 33.0 Max spark advance 38° @ 4000 rpm Alternator capacity, amp GENERAL Camshaft timing: Opening at 0.100 cam lift: Race weight, Ib (tanks full) 2682 8°30' ATC Exhaust With 150-lb driver 2832 39°30' BBC Weight distribution (with driver), Closing at 0.100 cam lift: front/rear, % Wheelbase, in 36°30' ABC 38 62 Intake 95.0 11°30' BTC Exhaust Track, front rear. Camshaft drive silent chain Overall length 163.0 Width (over scoops) .70.0 DRIVE TRAIN Height 405 Frontal area, so ft 15.8 Clutch type ... 2-dry plate (Long) Ground clearance, in Diameter, in 10.0 Overhang, front rear Transaxle: Ford T-44, designed by Usable luggage space, cu ft Kar Kraft, built by Ford T&C Div. Fuel tank capacity, gal. Galaxie 4-speed gearset; transfer gears and T&C limited-slip dif-INSTRUMENTATION ferential; aluminum case. 2.77:1 Gear ratios: 4th (1.00) Instruments: 7000 rpm tachometer, 3rd (1.19) 3.30:1 oil temperature, oil pressure, 2nd (1.43) 3.96:1 water temperature, fuel pressure. 1st (2.22) 6.18:1 ammeter, gearbox oil tempera-Synchromesh on all 4 3.09:1 Differential ratio Warning lights: differential oil pres-Transfer gear ratio sure, engine oil pressure. CHASSIS & SUSPENSION CALCULATED DATA Frame type: semi-monocoque. Lb hp (race weight) 0.024-0.049 sheet steel. Mph 1000 rpm (4th gear) Brake type: vented disc, single cal-Engine revs mi (60 mph) 1905 iper. Piston travel, ft mi 1200 Swept area, sg in 653 Rpm @ 2500 ft/min 9.75-15 3965 Tire size, front Equivalent mph 127 12.80-15 Cu ft ton mi 166 Make Goodyear "A" R&T wear index 21.0 Steering type ... rack & pinion 16.0:1 Ratio Turns, lock-to-lock. SPEED IN GEARS Turning circle, ft. Front suspension: independent with 4th (6200), mph unequal length A-arms, coil 3rd (6200) 170 springs, tube shocks, anti-roll 2nd (6200) 140 1st (6200) bar 89

Image 1: Technical specifications of the Ford GT40 Mk II

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Image 2: Interior of the GT40 Mk II

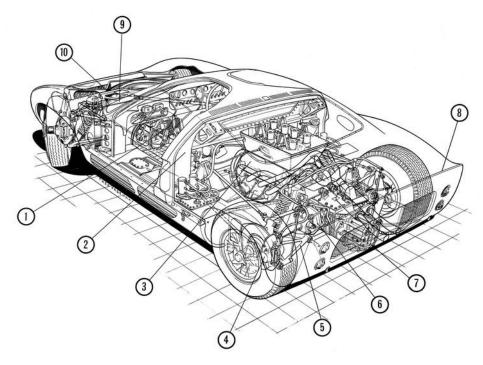


Image 3: Technical drawing of the GT40 Mk II

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Image 4: Ford garage in the 24 Hours of Le Mans 1966



Image 5: Ferrari garage in the 24 Hours of Le Mans 1966

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Image 6: A technician preparing a Ford GT40 Mk II for Le Mans in 1966



Image 7: Le Mans pit lane before the race