

MANHART

SINCE 1986



MANHART MH5 GTR (F90)

TRACK KING AMONGST HIGH-PERFORMANCE SALOONS

With the M5 CS (Competition Sport), BMW M GmbH have added a sharp spearhead to the F90 series: a 4.4-litre biturbo V8 boosted to 635 hp, a curb weight reduced by 70 kilograms, thanks to the generous use of carbon fibre reinforced plastic, a newly tuned Competition Sport suspension and four (!) bucket seats make the M5 CS the track king amongst high-performance saloons. For us, this was not enough! We have used the limited edition M5 CS “only” as the basis for our One of One model MH5 GTR limited 01/01 – nomen est omen.

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www.manhart-performance.de/en/shop



MANHART MH5 GTR (F90)

SPECIFICATIONS

ENGINE

4.4-Litre V8 Biturbo Engine (S63B44Tx)
8-Speed Automatic Gearbox
MANHART Carbon Air Intake

POWER

Original: 635 HP & 750 Nm
Tuned: 788 HP & 935 Nm
MANHART MHtronik Powerbox

EXHAUST

MANHART Stainless Steel Exhaust System
with Valve Control
MANHART Downpipes Race
without Catalytic Converters*
MANHART OPF-Delete Pipes
with 200 Cells HJS Catalytic Converters*
4 x 100 mm MANHART Carbon
or Ceramic Coated Tailpipes
MANHART OPF/GPF Deleter*
*No TÜV approval, only for export

SUSPENSION

MANHART Height Adjustable Spring Kit
by KW Suspensions
MANHART Suspension Tuning

WHEELS

MANHART Classic Line Y-Spoke in Silk Matt Black
FA: 9 x 21" (275/30 ZR21)
RA: 10.5 x 21" (295/25 ZR21)
Rim Colour Upon Request Individually Configurable

BRAKES

Stock Brakes, Individually Tuning Options
Available Upon Request

INTERIOR

MANHART Floor Mats

EXTERIOR

MANHART Decal Set / Vinyl Wrap



MANHART VISUAL HIGHLIGHTS

The MH5 GTR has a dark appearance, typical of MANHART thanks to its wrapping in “Moonlight”, a film dress shimmering in silky dark blue, contrasted by the grey elements of the MANHART decal set. In the course of this styling, the factory gold accents of the M5 CS were eliminated. Forged MANHART Classic Line Y-spoke alloy wheels in sizes 9×21 inches at the front and 10.5×21 inches at the rear rotate in the wheel arches of the unique vehicle. The dimensions of the mounted high-performance tyres are 275/30ZR21 and 295/30ZR21. Additional spacers have been installed on the front axle to ensure perfect alignment of the wheel/tyre combinations in the horizontal plane.





MANHART WHEELS AND SUSPENSION

Vertically, however, the vehicle has been aligned by means of a MANHART suspension upgrade: Coil springs, manufactured by KW suspensions allow an adjustable lowering and provide even more cornering dynamics.

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MANHART PERFORMANCE UPGRADE

Our engine technicians have increased the power and torque of the one-off project vehicle from the factory's 635 hp and 750 Nm via the installation of our MHtronic powerbox and a MANHART carbon air intake, so that the double-boosted eight-cylinder now generates an impressive 788 hp and 935 Nm.





MANHART EXHAUST

The increase in power is underlined by the powerful sound that hammers out of the four ceramic-coated, or optionally carbon 102-millimetre tailpipes of a special cat-back exhaust system with valve control. In this case, the latter also includes OPF-Delete replacement pipes with 200-cell HJS catalytic converters and the OPF/GPF deleter, which are only available for export. Alternatively, a MANHART valve-controlled rear silencer with EC approval is available. TÜV approval for the performance upgrade is currently in preparation.

MANHART

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All facts concerning driving performance are approximations. They depend on vehicle-specified details such as vehicle type, equipment, curb weight, rear axle ratio, wheel-tire combination, transmission design and aerodynamic equipment of the individual vehicle. Information about performance increases and/or performance kits are average values. A margin of +/- 5% in performance gains should be taken into consideration. Information about the overall performance of the stock engines changed due to an increase in performance and/or performance kits is based on the manufacturer's information in the vehicle registration document, which in turn can deviate +/- 5%. MANHART Performance assumes no liability for additional under-performance of factory engines. The technical data can be changed at any time without notice.