



VW up! GTI Cup - Model 2023

BROCHURE & PRICE LIST

THE „VW up! GTI Cup“ FOR THE ADAC TOURENWAGEN JUNIOR CUP SERIES

Highlights:

- limited slip differential
 - uniball suspension bearings
 - adjustable front and rear suspension
 - adjustable front roll bar
 - AiM-Datalogger
-
- + excellent racing car for driver education
 - + extended service intervals technical
 - + features on TCR standard
 - + very low running costs



SPECIFICATIONS & EQUIPMENT

HOMOLOGATION

Touring car, according to ADAC Tourenwagen Junior Cup regulations

ENGINE

Type

3-in-line gasoline engine with direct injection, exhaust gas turbocharger, sealed

Displacement

999 ccm

Engine management

Series ECU with racing application (encoded and sealed)

Exhaust system

Racing exhaust from turbocharger, 100-cell racing catalytic converter

Power output

114 kW (155 PS) / 280 Nm

Performance per litre

155 PS / l

Fuel

RON min. 98 / RON max. 102

Fuel consumption

0.18 - 0.22 l / km

TRANSMISSION

Type

Front wheel drive

Clutch

Series clutch with modified control

Gearbox

6-speed series transmission with short shifter
Limited slip differential

SUSPENSION

Shock absorbers

H&R Motorsport spec damper
Manufactured exclusively for Junior Cup series

Springs

Spec spring setup

Front axle

Upgraded racing uprights with bigger wheel bearings and hubs
suspension kinematics with modified camber and castor values (adjustable)
Unibal bearings for all suspension parts
Adjustable top mounts with unibal bearings
3-way adjustable anti roll bar

Rear axle

Modified wheel mount with toe and camber adjusting adaptors (adjustable)
Axle frame with unibal bearings
Anti roll bar



BRAKING SYSTEM

Basic design

Hydraulic dual-circuit braking system with adjustable brake pressure distribution (front/rear)

Pedalbox

Tilton balance beam pedal system with Alcon master cylinders

Brake lines

Inboard brake lines with steel and braided steel PTFE-lines

Brake calipers

Alcon 4-piston brake caliper front
TRW 34 mm brake caliper rear

Brake discs

Steel discs
310 x 28 mm front, floating
232 x 9 mm rear

Brake pads

Spec pads

Brake fluid

Spec fluid

WHEELS

Rims

O.Z. Racing 7 x 17 Zoll
Aluminium spec rim exclusively manufactured for ADAC Tourenwagen Junior Cup series

Tyres

200/610 R17 (slick und rain) spec tyres

SPECIALS

Steering column

Steering wheel hub and spacer system incl. quick release
OMP steering wheel

Electrical power supply

Racing battery with balance-optimized assembly at the spare wheel well (-15 kg)

Power train

CNC milled engine and gearbox mounts, lowering engine and gearbox by 20 mm

Engine control unit

Relocated from wheel housing to engine compartment on a special panel

Scrutineering

Scrutineering-kit with additional boost pressure sensor for boost pressure monitoring, sealing for engine/cylinder head, turbocharger and gearbox

DATALOGGING

AIM MXS 5" TFT dashlogger with datalogging and GPS, recording the following vehicle data:

- Speed
- Wheel speed data
- Steering angle
- Steering speed
- Brake pressure front and rear circuit
- Throttle
- Engine speed
- Gear selection
- Boost pressure
- GPS

SETUP OPTIONS

Ride height and wheel loads

Front axle
Rear axle

Front axle kinematics

Toe
Camber
Castor

Rear axle kinematics

Toe
Camber

Tyres

Air pressure

Brake system

Brake balance

MAINTENANCE

ENGINE

PARTS DESCRIPTION	CHECK	REVISION	CHANGE	REMARKS
Engine	once per event	-	-	check for oil leaks
Turbocharger	once per event	-	loss of boost pressure	check for leaks and boost pressure
Spark plugs	ahead of each event	-	2.000 km	use original parts only
Timing belt	once per event	-	-	use original part only
Engine oil	check oil level after each session	-	2.000 km	use oil spec according to manufacturer
Oil filter	ahead of each event	-	2.000 km	use original part only
Air filter	once per event	-	2.000 km	use original part only
Poly V-belt	once per event	-	after each season	CUP part
Fuel consumption	-	-	-	0.18 - 0.22 l per km

GEARBOX

PARTS DESCRIPTION	CHECK	REVISION	CHANGE	REMARKS
Gearbox	check for oil leaks after each session	6.000 km	-	MRD Service
Gearbox oil	check oil level ahead of each event	-	2.000 km	use racing gear oil according to regulations
Differential	check regularly for preload and oil leaks	4.000 km	-	MRD Service
Drive shafts	once per event	if play occurred	after each season	use original parts only



RUNNING COSTS

EUR 1,37 / KM

Calculated costs per km wear parts
(excl. tyres and write-off)

FRONT AXLE

PART DESCRIPTION	CHECK	REVISION	CHANGE	REMARKS
Shock absorber	check regularly for oil leaks	6.000 km	housing damage	revision
Uniball bearings	after each event	lifetime coat, never lubricate!	if play occurred	CUP part
Top mount uniball bearing	after each session	lifetime coat, never lubricate!	after each season	CUP part
Wheel bearing	after each session	-	change when noisy or if play occurred	check for play, can not be adjusted
Brake rotor	after each session	-	after each season	check for cracks and vibrations, min. thickness 26mm, CUP part
Brake rotor bell	after each session	-	after each season	check for play, CUP part
Brake pads	after each event	-	1.000 km	check for diagonal wear, min. pad thickness 3 mm, CUP part
Brake fluid	after each session	-	2.000 km	bleeding in regular intervals, CUP part

REAR AXLE

PART DESCRIPTION	CHECK	REVISION	CHANGE	REMARKS
Axle body	after each event		after two seasons (preventive)	check for cracks around the axle stub contact area, use original axle body only
Shock absorber	check regularly for oil leaks	6.000 km	housing damage	BILSTEIN Service
Uniball bearings	after each event	lifetime coat, never lubricate!	if play occurred	CUP part
Wheel bearing	after each session	-	change when noisy or if play occurred	check for play, bearings can not be adjusted
Brake disc	after each event	-	6.000 km	check for cracks and vibrations, min. thickness 7 mm
Brake pads	after each event	-	4.000 km	CUP Part

PRICE LIST

VW up! GTI Cup

Ready to race *

Available in 4 colors: White, black, red, silver **

33.900,00 €



OPTIONS

Rim package

12 rims OZ Racing 7 x 17, homologated

3.250,00 €

Scrutineering-Kit (mandatory for all competitors)

Comprising of boost sensor, dashboard panel, AiM data hub, AiM memory module

499,00 €

Fuel-Kit

Distributor block with Stäubli SPT 08 adapter (already installed) incl. control unit for the fuel pump

299,00 €

Rear axle camber option

CNC precision camber plate 3° (camber adjustment to 4°, car is delivered with 3°)

left and right, incl. 3° precision washer (counterparts), homologated

229,50 €

Rear axle camber option -0.25° / -0.375° / -0.5° / -0.75°

Toe precision shim, left and right version, homologated

each 87,50 €

Technology package 1

- 4 wheel studs front
- 4 wheel studs rear
- 8 wheel nuts
- 1 set brake pads front axle (4 pcs)
- 2x 500 ml brake fluid

275,00 €

(-10%)

Technology package 2

- Includes technology package 1
- 2 brake rotors (ready to install incl. bells, bolted)
- 2 additional sets brake pads front axle (8 pcs)
- 1 set brake pads rear axle (4 pcs)

1.750,00 €

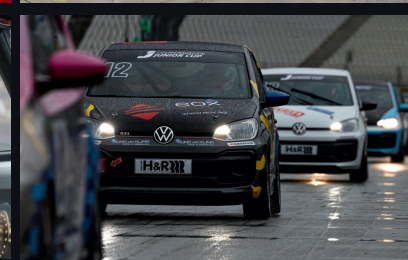
(-10%)

Valid from 11/2022, all prices in EUR (net price), plus VAT, all prices subject to changes. The package prices are valid once a car is ordered.

* without tyres / ** depending on availability

ADAC TOURENWAGEN JUNIOR CUP SERIES 2023

- 6 events in 2023
 - all races exclusively within the ADAC Racing Weekends
 - 12 races and 12 qualifying
 - all races are live stream covered
 - reduced entry fee until December 31
 - start with 15 years
 - season costs on karting level
- + entry into professional touring car and GT and direct stepping stone into TCR and GT4
 - + talents are working with suspension setup, tyre management, data analysis up to their on track skills on a professional level
 - + for teams the series provides the perfect platform to educate young pilots within the existing team structure
 - + regulations are stable at least until 2024



CONTACT

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