



**VW up! GTI Cup - Model 2024**

**BROCHURE & PRICE LIST**

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

## Highlites:

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





# SPECIFICATIONS & EQUIPMENT

## HOMOLOGATION

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Touring car, homologated according to ADAC  
Tourenwagen Junior Cup regulations

## ENGINE

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### Type

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

### Displacement

999 ccm

### Engine management

Series ECU with racing application  
(sealed)

### Exhaust system

Racing exhaust from turbocharger, 100-cell racing  
catalytic converter

### Power output

110 kW (150PS) / 280 Nm

### Performance per litre

150 PS / l

### Fuel

RON min. 98 / RON max. 102

### Fuel consumption

0.18 - 0.22 l / km

## TRANSMISSION

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### Type

Front wheel drive

### Clutch

Series clutch with modified control

### Gearbox

6-speed series transmission with short shifter  
Limited slip differential

## SUSPENSION

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### 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 - Model 2024

Ready to race \*

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

34.500,00 €



## OPTIONS

### Rim package

12 rims OZ Racing 7 x 17, homologated

3.500,00 €

### 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

279,50 €

### 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)

285,00 €

(-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)

1.750,00 €

(-10%)

Valid from 11/2023, 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 2024

- 6 events in 2024

- all races exclusively within the ADAC Racing Weekends

- 12 races and 12 qualifyings

- all races are live stream covered

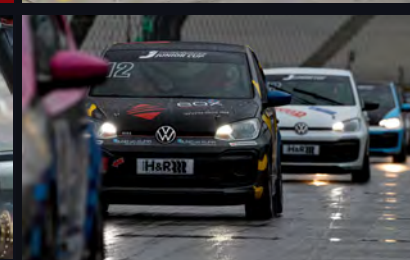
- reduced entry fee until January 12

- start with 15 years

- season costs on karting level

- + entry into professional racing and direct stepping stone into GT4, Porsche Cups and LMP3
- + talents are already working with suspension setup, tyre management, data analysis up to their on track skills on a pro level
- + for teams the series provides the perfect platform to educate young pilots within the existing team structure
- + equal chances due to identical cars with sealed drive trains

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TOURENWAGEN  
JUNIOR CUP





## CONTACT

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