Tamiya TRF420X

Setup: TRF420X ETS Round 6 Wr.Neustadt · Rainer Konrath · Mar 26, 2024

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EVENT

Event	ETS Arena Nova
Class	21.5 Masters

TRACK

Track	Mrc Wr.Neustadt
Type	Indoor carpet
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Medium
Air temp	25°C (77°F)
Track temp	27.5°C (82°F)

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	1 mm
Steering arm	Kit
Steering post	8.0mm
Anti-roll bar	1.4mm
Bump steer: outer steering link shims	1 mm
Camber	-1.5 degrees
CAMBER LINKS	
Inner link shims	3 mm
Inner mount shims	1 mm
Outer link shims	0.7 mm
Differential height	Low
Droop	5,8 mm
FF mount	Aluminum E
FF mount inserts	1 up and out
FF mount shims	0 mm
FR mount	Aluminum E
FR mount inserts	1 up, .5 out
FR mount shims	0 mm
Hub carriers	Kit
Ride height	5,0 mm
SHOCKS	
Arm mount location	B - Middle
Arm mount shims	2 mm
Tower mount location	2 - Middle
Tower mount shims	1.5 mm
Steering blocks	Kit
Steering stop angle	20° degrees
Toe	-1 degrees
TRACK	
Wheel hexes	4mm
Wheel shims	0 mm
Wheelbase: arm spacers - F/R	0 / 1.5 mm

NOTES Fibrelite low Shocktowers used. 1-4 Holes. 1=most inner, 4=most outer hole Hole 2 was used.

REAR SUSPENSION

Anti-roll bar	1.3mm
Camber	-2 degrees
CAMBER LINKS	
Inner link shims	2 mm
Inner mount shims	1 mm
Outer link shims	1.5 mm
Differential height	Low
Droop	4,8 mm
RF mount	Aluminum A
RF mount inserts	1 up and in
RF mount shims	0 mm
Ride height	5,2 mm
RR mount	Aluminum E
RR mount inserts	1 up
RR mount shims	0 mm
SHOCKS	
Arm mount location	B - MIddle
Arm mount shims	0.5 mm
Tower mount location	2 - Middle
Tower mount shims	1 mm
TRACK	
Wheel hexes	4mm
Wheel shims	0 mm
Uprights	Kit
Wheelbase: arm spacers - F/R	0.5 / 1 mm

NOTES Fibrelite low Shocktowers used. 1-4 Holes. 1=most inner, 4=most outer hole Hole 3 was used.

TIRES

	FRONT	REAR
Tire additive area	In, Mid-in, Mid-out	In, Mid-in, Mid-out, Out
Tire brand / type	Matrix 28 Carpet	Matrix 28 Carpet
Tire compound	28	28
Tire additive	MR33 V4	
Tire prep	20min 65°	

SHOCKS

	FRONT	REAR
Oil weight	450 cst	450 cst
Pistons	4-hole	4-hole
Rebound	0 %	0 %
Springs	Axon blue/red	Axon white/green
Stroke	8.5 mm	8.5 mm
Shock oil brand	MuchMore	

DIFFERENTIALS

	FRONT	REAR
Diff type	Solid axle	Gear
Diff fluid	–	10,000 cst
Diff mass	–	1.3 g

DRIVETRAIN

Drive ratio - internal	1.85
Driveshafts - front	Double-joint CVD
Driveshafts - rear	CVD
Pinion	41 teeth
Spur	100

BODY & CHASSIS

Body	Bittydesign eptron
Body position	+1 forward
Bumper	Kit
FLEX	
Chassis	Aluminum
Mount mount screws	1 - Front, 3, 4
Upper deck	420X
Upper deck screws	3
Rear wing	Standard
Weights	Only 20g Center weight
Wheelbase	Kit mm

NOTES Bearing Screw un the Upperdeck, and in the middle of the Topdeck i used a Hollowscrew

ELECTRONICS

Battery brand	**Intellect Pioneering**
Battery capacity	**6000 mAh**
Battery model	**CC2S6000PT2**
ESC brand	**Orca**
ESC model	**ETS Blinky Pro**
ESC settings	**1-0 2-1 3-0 4-5 5-3 6-0 7-0 10-0**
Motor brand	**Orca ETS Handout**
Motor model	**Blitreme 2**
Motor timing	**Fixed degrees**
Motor wind	**21.5 turns**
Radio brand	**Flysky**
Radio model	**NB4**
Steering servo brand	**Sanwa/Airtronics**
Steering servo model	**ETS-971**