

TC10/3

1/10 EP TOURING CAR CHASSIS

Sheet Ver.1.3

DRIVER: Akio Sobue

DATE: 2025.1.26

RACE: YAMA YAMA CUP 2025

TRACK: Rajikonn Tenngoku Ngoya

PLACE: ☐ Indoor ☐ Outdoor ☒ Asphalt ☐ Carpet / ☐ Flat ☐ Bump

TRACTION: ☐ High ☒ Medium ☐ Low TEMP AIR: 12 °C TEMP TRACK: °C

TRACK LAYOUT: ☐ Technical ☒ Mixed ☐ High speed

QF POSITION:1st

FINAL POSITION:1st

BEST LAPTIME:

FRONT

Damper Stay

☐ Std
☒ Low

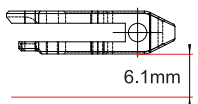
SCREW: ☐ Alu ☒ Ti ☐ SPS(Steel)
8mm
SHIM: 1.5mm

Bulkhead Stiffener

Graphite ☐ NONE ☐ 1mm ☒ 2mm

Ride Height : 4.6mm

Droop :



Toe Angle : out 1.5°

Camber Angle : 1.5°

Anti Roll Bar : ☐ 1.2 ☒ 1.3

Front Suspension

ALU Body Stopper

☒ USE ☐ NONE

SHIM
0.5mm

☐ C-clip ☒ Oring

FF: SUS 0.5mm

FR: SUS 0.5mm

Lower arm Alu plate:

☒ Upper ☐ Lower

Rear Suspension

☐ Alu ☒ Ti ☐ Steel
8mm SCREW

☐ C-clip ☒ Oring

RF: SUS 1.5mm

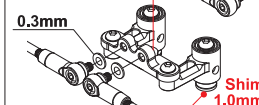
RR: SUS 1.5mm

Lower arm Alu plate:

☒ Upper ☒ Lower

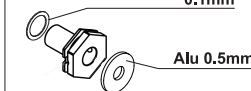
Bell Crank

ST Limit

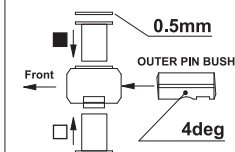


Wheel Hubs

☐ 3.5 ☒ 4.0



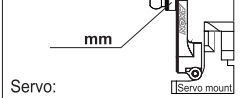
Caster Block



Servo Horn Ball Position

Horn type

• AXON 18.0mm



SHOCK ABSORBER

Spring: HLS-SS C2.7

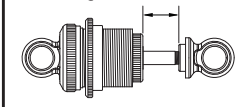
Oil : AXON 32.5

Piston : ☐ 3H ☒ 4H

Bladder : ☐ V1 ☒ V2

☐ High Big Bore Shock 4
☒ High Big Bore Shock 5

Length : 7.1mm



REAR

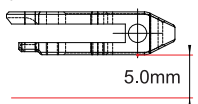
Damper Stay

☐ Std ☒ Low
☐ Wide

SCREW: ☐ Alu ☒ Ti ☐ SPS(Steel)
8mm
SHIM: 1.2mm

Ride Height : 4.8mm

Droop :



Toe Angle : 2.2°

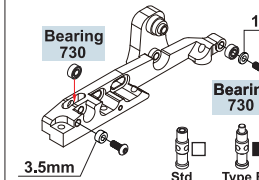
Camber Angle : 2.0°

Anti Roll Bar : ☐ 1.2 ☒ 1.3

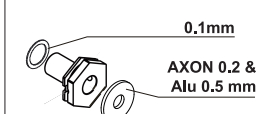
Gear Diff Oil

AXON 7500 cst 1.4g

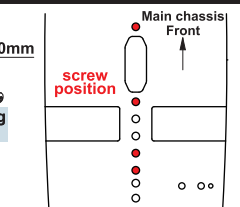
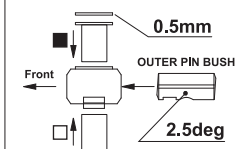
Motor Mount



Wheel Hubs ☐ 3.5 ☒ 4.0



Caster Block



SHOCK ABSORBER

Spring: HLS-SS C2.7

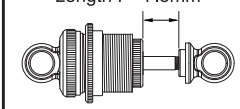
Oil : AXON 32.5

Piston : ☐ 3H ☒ 4H

Bladder : ☐ V1 ☒ V2

☐ High Big Bore Shock 4
☒ High Big Bore Shock 5

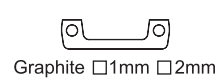
Length : 7.8mm



Rear Body Mount Stay



Rear Bulkhead Stiffener



Battery Mount



<<Balance Weight Setting>>

FRONT ROLL POST

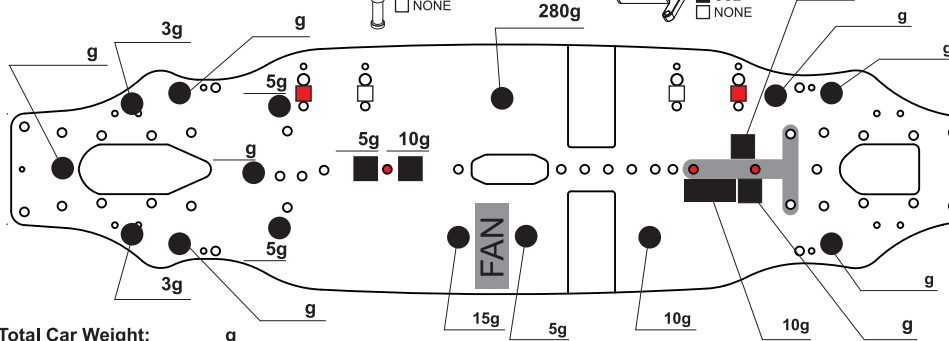
☒ USE ☐ NONE

TOTAL battery weight

280g

REAR T-BRACE

☒ USE ☐ NONE



Total Car Weight: g

Main Chassis: ☐ Carbon 2.25mm ☒ Alu 2.0mm

Top Deck: ☒ Carbon 2.0mm ☐ Carbon 2.25mm

Motor: ORCA 17.5

Spur Gear: 110T Pinion Gear: 38T

Battery: ORCA 6090

ESC: ORCA Oe1 Mk-II

Body: TWISTER UL

Wing: TWISTER SP(UL)

FRONT

Tire: SOREX 32R

Insert: AXON Soft

Wheel: AXON 003

Additive: マイティイエロー

Notes:

REAR

Tire: SOREX 32R

Insert: AXON Soft

Wheel: AXON 003

Additive: マイティイエロー

Notes:

Screw setting <<Button Head>>

Top deck : 9pcs	5mm	☐ Alu ☒ Ti ☐ Steel
Upper bulkhead : FF 2pcs:	8mm	☐ Alu ☒ Ti ☐ Steel
Upper bulkhead : FR 2pcs:	6mm	☐ Alu ☒ Ti ☐ Steel
Upper bulkhead : RF 2pcs:	6mm	☐ Alu ☒ Ti ☐ Steel
Upper bulkhead : RR 2pcs:	8mm	☐ Alu ☒ Ti ☐ Steel
Front Damper stay 4pcs:	5mm	☐ Alu ☒ Ti ☐ Steel
Rear Damper stay 4pcs:	5mm	☐ Alu ☒ Ti ☐ Steel

Screw setting <<Flat Head>>

Lower bulkhead 8pcs:	6mm	☐ Alu ☒ Ti ☐ Steel
Sus-balls ALL:	6mm	☐ Alu ☒ Ti ☐ Steel
Bell crank post:	6mm	☐ Alu ☒ Ti ☐ Steel
Servo mount:	6mm	☐ Alu ☒ Ti ☐ Steel
Motor mount:	6mm	☐ Alu ☒ Ti ☐ Steel

Notes :

- X10ボールベアリング、スプリングチタニウムスクリューを使用
- キングピンビスはオプション チタンM4ビスを使用
- 6mm BALL BUSH ORING 使用
- FRONT ROLL POST & REAR ROLL POST / Type B 使用
- REAR T-BRACE 使用
- ALU BODY STOPPER 使用

- Use X10 ball bearings and spring titanium screws
- Kingpin screws are optional Titanium M4 screws are used
- Use 6mm BALL BUSH ORING
- Use FRONT ROLL POST & REAR ROLL POST / Type B
- Use REAR T-BRACE
- Use ALU BODY STOPPER