Mayako MX8-22

Setup: Navan Nitro Nuts · Jason Ferguson · May 24, 2023

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EVENT	
Event	Astro Masters

TRACK	
Track	Navan
Type	Outdoor astroturf
Grip / moisture	High / Dry
Surface / layout	Bumpy / Tight
Air temp	17.5°C (64°F)
Track temp	17.5°C (64°F)

FRONT SUSPENSION

A mount inserts	-1 mm
A plate	+1 mm
ACKERMANN	
Inner steering stud location	2 - Back
Steering arm	1 - Long
Anti-roll bar	2.4mm
Arm stiffeners	None
Axle height: knuckle position	Middle
B mount inserts	0 mm
B plate	+1 mm
BUMP STEER	
Inner steering stud location	Top
Inner steering stud shims	2 mm
Outer steering stud location	Top
Outer steering stud shims	1 mm
C-hubs	Kpi-1 / Caster 1
Camber	-1 degrees
Camber link type	Arms
CAMBER LINK	
Inner link location	2 - Middle
Outer link location	3 - Outside
Camber: camber turnbuckle length	28.5 mm
Differential height	+1 mm
Downtravel with tires	62 mm
Ride height	25 mm
Servo saver	No
SHOCKS	
Arm mounting hole	3 - Outside
Tower mounting hole	2
Toe	-2 degrees
Toe: steering turnbuckle length	41 mm
Tower	Aluminum
Tower mount	+1 mm
Track: wheel hexes	5 mm
Upper arm mount	0
Upper arm shims - front	1 mm
Wheelbase: arm position	Front

REAR SUSPENSION

Anti-roll bar	2.6mm
Arm stiffeners	None
C mount inserts	+0.5 mm
C plate	+2 mm
Camber	-1.5 degrees
Camber link type	Links
CAMBER LINK	
Inner link location	2 - Middle
Outer link location	2 - Outside top
Camber: camber turnbuckle length	34 mm
D mount inserts	0 mm
D plate	+2 mm
Differential height	+2 mm
Downtravel with tires	62 mm
Hubs	Standard plastic
Ride height	22 mm
SHOCKS	
Arm mounting hole	2 - Middle
Tower mounting hole	2
Toe	0 degrees
Toe: C/D blocks	1.5 degrees
Tower	Aluminum
Track: wheel hexes	5 mm
Wheelbase: hub spacers - front	3 mm

ENGINE

Engine brand	Corsatec
Engine model	CTN7
Fuel	Hotfire 25%
Glow plug	OS P4
Pipe / header	Corsatec Pipe

TIRES

	FRONT	REAR
Tire brand / type	Ridge Pin	Ridge Pin
Tire compound	Yellow	Yellow
Tire insert	PCT Black	PCT Black
Tire prep	Shaved 1 row on outside	–
Wheel brand / type	PCT	PCT

SHOCKS

	FRONT	REAR
Eyelets	Short	Short
Oil weight	500 cst	500 cst
Pistons	7x1.3mm	7x1.4mm
Rebound	0 %	0 %
Shock length	102 mm	118 mm
Shock type	Emulsion	Emulsion
Springs	65mm 8.5T Black	80mm 10.25T Black
Shock oil brand	Ultimate	

DIFFERENTIALS

	FRONT	REAR
Diff fluid	100,000 cst	30,000 cst
Diff mass	2.7 g	2.7 g
Center diff fluid	70,000 cst	
Center diff mass	6 g	

DRIVETRAIN

Brake bias - F/R	50/50
Clutch shoes & springs	2 aluminum shoes (1.0mm springs 2 carbon shoes (0.9mm springs)
Drive ratio - final	11.02
Drive ratio - internal	3.214
Driveshafts - front	CVD
Driveshafts - rear	91mm Universal
Pinion	14 teeth
Spur	49 teeth

BODY & CHASSIS

Body	MX8
Engine mount	Rearward / short
Rear wing	HB
Rear wing position	2
Throttle servo mount	Short
Upper brace - front	Middle
Upper brace - rear	None

NOTES +4mm chassis

ELECTRONICS

Radio brand	**Sanwa**
Radio EPA steering	**100 %**
Radio EPA throttle	**100 %**
Radio model	**MT-44**
Receiver battery	**IP 2400**
Receiver brand	**Sanwa/Airtronics**
Receiver model	**RX-482**
Steering servo brand	**ProTek**
Steering servo model	**170SBL**
Throttle servo brand	**ProTek**
Throttle servo model	**170SBL**
Transponder ID	**8602790**