PR Racing SB401-R

Setup: Belmont Astro · Rakhim Ahmed · May 9, 2024

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EVENT	
Event	Inter club Round 4

TRACK	
Track	BRCCC
Type	Outdoor astroturf
Grip / moisture	High / Dry
Surface / layout	Medium / Medium
Track temp	32°C (90°F)

FRONT SUSPENSION

Anti-roll bar	2.0
Arms	Graphite
Axle height (spindle spacers)	Low
Camber	-1.0 degrees
CAMBER LINK	
Inner stud location	3 - Top
Outer stud location	B - Front
Outer stud spacers	1.0
FF mount inserts	1 in
FF mount spacers	0 mm
FR mount inserts	1 in
FR mount spacers	0 mm
Hub carriers (caster)	11 degree
Ride height	18mm front 20mm rear mm
SHOCKS	
Arm mounting hole	A - Inside
Tower mounting hole	2 - Middle
Steering bellcrank: arm stud location	Front
Steering blocks	Kit
STEERING LINK	
Inner stud location	Front
Inner stud spacers	0 mm
Outer stud spacers	0 mm
Toe	-1.0 degrees
Tower	Kit
Wheel hex	4.2mm
Wheelbase (arm spacers)	Long (arm forward)

NOTES White 2mm swaybar and blue and red front springs. I ran 350cst front and 300cst rear.
Shock pistons front are 2x1.6mm and the rears were 2x1.7mm.

REAR SUSPENSION

Anti-roll bar	1.6mm
Arms	Graphite
Axle height (hub pin location)	Low (high pin)
CAMBER LINK	
Inner stud location	1 - Bottom
Outer stud location	D - Back outside
Outer stud spacers	1 mm
Hubs	Kit
RF mount inserts	1 in
RF mount spacers (anti-squat)	1 mm
RR mount inserts	0 center
RR mount spacers	0 mm
SHOCKS	
Arm mounting hole	B - Middle
Tower mounting hole	2 - Middle
Tower	Kit
Wheel hex	5.2mm
Wheelbase (arm spacers)	Middle
Wheelbase (hub spacers)	Middle

BODY & CHASSIS

	FRONT	REAR
Wing	–	Kit 1
Battery position	Forward	
Body	Kit	
Chassis	2mm Aluminum	
Chassis brace - front	Brace and plate	
Chassis brace - rear	Brace and plate	
Rear wing height	Low	

SHOCKS

	FRONT	REAR
Limiters (internal/external)	1.5/0 mm	3.0/0 mm
Oil weight	400 cst	450 cst
Pistons	2 x 1.8mm	2 x 2.0mm
Spring pre-load	6.5 mm	6.0 mm
Springs	Green 4.20lb	Yellow 2.70lb
Stroke	22.2 mm	27.4 mm

DIFFERENTIALS

	FRONT	REAR
Diff fluid	7,000 cst	7,000 cst
Diff type	4-gear	4-gear

DRIVETRAIN

Drive ratio - internal	2.6
Drive type	Slipper
Driveshaft - center front	68mm
Driveshaft - center rear	78mm
Driveshafts - front	75mm CVD
Driveshafts - rear	65mm CVD
Slipper tightness	1.1-1.3 mm
Spur	81 teeth

TIRES

	FRONT	REAR
Wheel brand / type	PR front	PR rear