Xpress EXECUTE XQ3S

Setup: FSEARA Race 2 Nuggets Ranch Arcadia LMP practice · Donovan Pinkerton (My wallet and my budget) · Oct 29, 2024

so dialed
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EVENT	
Event	FSEARA Race 2
Class	LMP

TRACK	
Track	Nuggets Ranch Arcadia
Type	Outdoor asphalt
Grip / moisture	Medium/High / Dry
Surface / layout	Smooth / Open
Air temp	90°F (32°C)
Track temp	110°F (43°C)

RESULTS	
Best lap	19.6 s

FRONT SUSPENSION

ACKERMANN	
Inner steering link shims	0.5 mm
Steering plate	Kit mm
Anti-roll bar	1.3 mm
Arm stiffeners	None
Axle height: hub shims	0 mm
Bump steer: outer steering link shims	2 mm
Camber	-2 degrees
Caster: front arm mount position	1 mm
Differential height	Low
Downstop	4.5 mm
FF mount shims	1.5 mm
FR mount shims	1.5 mm
Lower arms	Soft
Ride height	5 mm
Servo horn height	20mm
SHOCKS	
Arm mount shims	0 mm
Arm mounts	0 mm
Tower mount shims	2 mm
Steering blocks	Soft
Toe	-1 degrees
TRACK	
Wheel hexes	Kit mm
Wheel shims	0 mm
Upper arms	Soft
UPPER ARMS	
FF shims	1.5 mm
FR shims	1.5 mm
Inner mount shims	0 mm
Outer mount shims	1 mm
Outer shims	2 mm

NOTES Cut webbing in upper arms

REAR SUSPENSION

Anti-roll bar	1.2 mm
Arm stiffeners	None
Axle height: hub shims	0 mm
Camber	-2 degrees
Caster: rear arm mount shims	1.5 mm
Differential height	Low
Downstop	4 mm
Hubs	Soft
Lower arms	Soft
RF mount shims	2 mm
Ride height	5.4 mm
RR mount shims	2 mm
SHOCKS	
Arm mount shims	0 mm
Arm mounts	0 mm
Tower mount shims	2.5 mm
Toe	2.5 degrees
TOE LINK	
Inner shims	3 mm
Outer shims	0.5 mm
TRACK	
Wheel hexes	Kit mm
Wheel shims	0 mm
Upper arms	Soft
UPPER ARMS	
Inner mount shims	0 mm
Outer mount shims	1 mm
Outer shims	2 mm
RF shims	1.5 mm
RR shims	1.5 mm

NOTES All setup changes were recommended by Felix Law, and the car was much better. This will be my default asphalt setup.

SHOCKS

	FRONT	REAR
Oil weight	400 cst	400 cst
Pistons	4-hole	4-hole
Rebound	0 %	0 %
Springs	Xray 2.5-2.8 progressive	Xray 2.7
Stroke	10.5 mm	10.5 mm

Shock oil brand: CORE

NOTES May change to 425cst next race

DRIVETRAIN

DIFFS	
Front type	Spool
Rear fluid	5,000 cst
Rear fluid mass	1.3 g
Drive ratio - final	3.72
Drive ratio - internal	1.9
Gear pitch	64
Pinion	49 teeth
Spur	96 teeth

BODY & CHASSIS

Battery position	Forward
Body	MonTech 9X8
Body position	Regular
FLEX	
Chassis	2.5mm FRP
Chassis screws	4, 5, 6
Upper deck	Split 2.0mm Graphite (#11096/11111)
Upper deck post	Flanged bearing installed
Upper deck screws	1 in front closest to spur. 1 in rear closest to spur with bb stiffening
Weight balance - F/R	51 / 49 %
Weight: total	1350 g
Weights	5g behind motor Mount center line

NOTES Car now has all aluminum bulkheads and shock mounts. Everything is XQ11 except main chassis plate, which I'm installing now! Last XQ3S setup sheet!

TIRES

	FRONT	REAR
Tire additive area	In, Mid-in, Mid-out, Out	In, Mid-in, Mid-out, Out
Tire additive time	20 min	20 min
Tire brand / type	Sweep	Sweep
Wheel brand / type	Sweep	Sweep

Tire additive	Cleaned with brake cleaner then applied Tire Tack air dry 5 minutes the tire heater for 20 at 70

NOTES Tire were used. Practice with tires that had 2race days and ran the qualifier with a 1 race day used set. Rained out before 2nd qualifier.

ELECTRONICS

Battery brand	Cayote
Battery C rating	140 C
Battery capacity	6300 mAh
Battery model	Team
ESC brand	Hobbywing
ESC model	Xr10 Justock G3S
Motor brand	R1 V21
Motor model	V21
Motor timing	47 degrees
Motor wind	21.5 turns
Radio brand	Radiomaster
Radio model	MT12
Receiver brand	Flysky
Receiver model	G3F
Steering servo brand	Sanwa/Airtronics
Steering servo model	SXR

NOTES 30A

ESC SETTINGS

BRAKE

Drag	0 %
Strength	75.5%
Race mode	No timing blinky

THROTTLE

Initial strength	3 %
Neutral range	6 %
Strength	14

NOTES Freewheel enabled