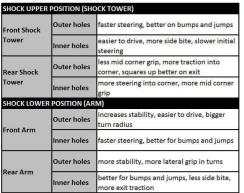
# SETHUR - HELPER by









FRONT CAMBER LINK LOCATION		
OUTER HOLE	more steering into the corner, car is more responsive	
INNER HOLE	more steering out of the corner	

FRONT ROLL C	ENTER
lower roll center	decreases steering into corner, car is less responsive, use in high-grip conditions
higher roll center	increases steering into corner, car is more responsive
REAR ROLL CE	NTER
Lower roll center	more off power and low speed corner grip, but less rotation in corners
Higher roll center	more willing to rotate - the higher it is, more it will be able to be pusched out

STEERING BLOCK		
MEDIUM	more agressive	
HARD	less steering on-power	

absorbs bumps better, easy to drive		
more steering, more aggressive		

EPONT TRACK WIDTH

THO IT THAT		
WIDER	decreases front grip, increases understeer, slower steering response, use to avoid traction rolling	
NARROWER	increases front grip, decreases understeeri, faster steering response	
REAR TRACK-	WIDTH	
WIDER	increases rear grip at corner entry, increases high-speed on throttle steering, use to avoid traction rolling	
NARROWER	increases grip at corner exit, increases high-speed	

CASTER	
Less Caster	decreases straight-line stability, increases off-power sterring at corner entry, increases suspension efficiency
More caster	increases straight-line stability, decreases off-power steering at corner entry, makes the car more stable through bympy track conditions

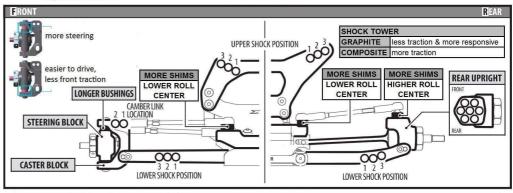
KICK-UP			
More kick-up	more weight transfer to the front of the chassis off-throttle or under braking, chassis compresses or drop more off throttle or under braking, handling is improved on bumpy tracks, decreased steering response		
Less kick-up	less weight transfer to the front of the chassis off-throttle or under braking, chassis compresses or drops less off- throttle or under braking, handling is improved on smooth tracks, increased steering response		

FRONT TOE			
INCREASING (more toe-in)	makes car easier to drive		
DECREASINMG (less toe-in, or more toe-out)	decreases understeer, increases steering at corner entry, faster steering response, less stable under acceleration, makes car more difficult to drive		
REAR TOE			
INCREASING (more toe-in)	increases understeer, more stable exiting or power at corner exit and braking, less chance of losing rear traction, decreases top		
DECREASING (less toe-in)	less stable at on-power corner exit and braking, more chance of losing rear traction, increases ton speed		

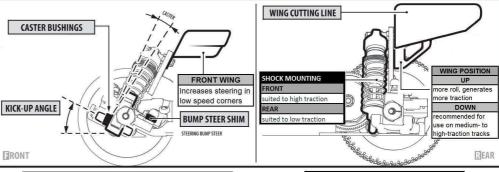
ARM SHIM - WHEELBASE
ARMS IN THE FRONT = WEIGHT IN THE REAR = LOW TRACTION
ARMS IN THE REAR = WEIGHT IN THE FRONT = HIGH TRACTION

for low & medium traction		
1EDIUM for low & medium traction		
for medium & high traction		

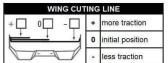
REAR ANTI-ROLL BAR (OPTION)			
Softer	increases rear chassis roll, increases rear traction,		
(sthinner wire)	decreases front traction, decreases on-power steering		
Stiffer (thicker wire)	decreases rear chassis roll, decreases rear traction, increases front traction, increases on-power steering, quicker steering response in high speed chicanes		

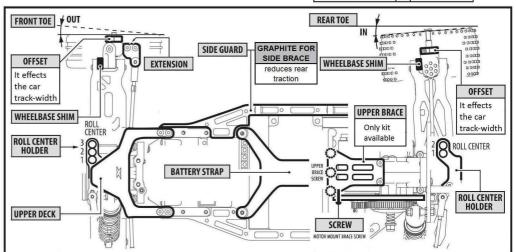


	REAR UPRIGHT	REAR UPRIGHT HOLES			
MEDIUM	for very-low & low traction	HOLES IN FRONT	more rear grip	INNER HOLES	increases steering and decreases stability into corner, increases on-power traction slightly
HARD	for medium & high traction	HOLES IN REAR	less rear grip	OUTER HOLES	decreases rear camber gain, increases stability, slows down the car's responsiveness
ALU	for very-high traction				



	BUMP STEER SHIMS
More shims	less steering in mid-corner, smoother steering response, better on rough bumpy tracks
Less shims	more steering in mid-corner, easier to control on smooth tracks





FRONT ROLL	CENTER HOLDER		
MEDIUM	generates more traction, absorbs bumps better		
HARD	more precise		
ALU	more precise steering and increased strength		

BATTERY STRAP	
	for very-low to medium traction conditions
GRAPHITE	for high- and very-high

	EXTENSION	
2 SLOTS turns outside wheels less, easier to drive, aggressive		turns outside wheels less, easier to drive, less aggressive
1 SLOT between 2 and 0		between 2 and 0
o SLOTS most aggressive steering, suggested f		most aggressive steering, suggested for very technical small tracks

UPPER DEC	CK
MEDIUM	for very-low, low and medium traction tracks, generates more traction, absorbs bumps better
HARD	for high & very-high traction tracks, makes the car more precise

REAR ROLL CENTER HOLDER		
COMPOSITE	for low, medium & high traction	
ALU	for very-high traction	

MOTOR	MOUNT SCREW
YES	less chassis flex
NO	more xhassis flex

	LOWER SUSF	PENSION ARMS	
	MEDIUM	for very-low & low traction	
4	HARD	for medium & high traction	
FRONT CAMBER	GRAPHITE	for high & very-high traction	REAR CAMBER
More negative more steering Less negative less steering			decreases rear traction entering and in corners
1	E	THE COLUMN TWO IN THE COLUMN T	Less negative traction entering and in corners
RIDE HEIGHT	11.5 (1.30.5)		
Decreasing ride height	increases overall stability,	better on smooth tracks	
Increasing ride height	decreases overall stability,	better on bumpy tracks (prevents	bottoming)
Front higher than rear	increases weight transfer t	o the rear on-power, increases sta	bility, decreases steering
	increases weight transfer to front on-power, increases steering, decreases rear traction		

# SET UP - HELPER by







## TRANSMISSION ADJUSTMENT

	tigher slipper makes the car accelerates faster and it's more
SLIPPER	agressive but if it's tighten too much you risk front of the
	car getting up and you loose control over the car



GEAR DIFF recommended for medium-high tra	
OILS	SOFTER oil increases rear traction HARDER oil increases on-power steering



PALL DIFF recommended for low traction, more smooth, generates more grip



ACKERMANN	
less shims	smoothens out steering response, car reacts smoothly, better suited to smooth flowing tracks with high speed corners
more shims	quiskens initial steering response, car reacts faster to steering input, better suited to small and tight tracks

More shims less steering in mid-corner, better on rough bumpy tra	, smoother steering response, cks
Less shims more steering in mid-corne tracks	er, easier to control on smooth

more aggressive, more steering, more precise steering

COMPOSITE easy to drive, more forgiving, less steering

SHIMS	- 5		).	
ACKERMANN			$\gamma$	
		256		
STEERING ARM			STEERING	PLATE
		<b>BUMP STEER SI</b>		

STEERING ARMS		
COMPOSITE	easy to drive and more forgiving	Ī
ALU	more aggressive, more precise steering	Ī

MEDIUM	for very-low, low & medium traction, generates more traction
HARD	for high- & very-high traction tracks, more stable and less traction on front suspension
ARM MOUNT	
	generates more traction in front
COMPOSITE ALU	generates more traction in front makes car more stable

# CHASSIS BRACE ARM MOUNT

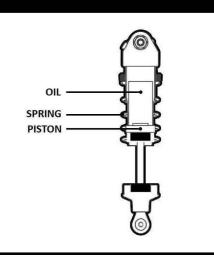
### CHASSIS ELEX

The more screws used, stiffer the car is and less screws used, softer the car is.
(Use stiff setting for high-traction tracks where a lot of steering and car response is required)

## **SCHOCKS**

9	SHOCK OIL	PISTON HOLES	EFFECT
FRONT SHOC	KS		
SOFTER DAMPING	thinner	more holes/larger holes	increases steering on low grip surface, slower steering response, decreases initial steering at corner entry, increases oversteer at corner exit/under acceleration
HARDER DAMPING	thicker	less holes/smaller holes	faster steering response, decreases steering on low grip, increases initial steering at corner entry, increases understeer at corner exit/under acceleration
<b>REAR SHOCK</b>	S		
SOFTER DAMPING	thinner	more holes/larger holes	increases rear grip at corner exit/under acceleration
HARDER DAMPING	thicker	less holes/smaller holes	decreases rear grip at corner exit/under acceleration

SHOCK SPRING	CHARACTERISTICS
SOFTER	more chassis roll, more traction, better on bumpy tracks, increases chance of bottoming out when landing
STIFFER	less chassis roll, less traction, more responsive, better on smooth tracks, decreases chance of bottoming out when landing



## REAR ECCENTRIC BUSHINS

	ANTI-SQL	JAT	
RR		RF	(°)
0	<u> </u>	-0	=2°
0	0 0		=3°
0	<b>-0 .0</b>	O	]=1°
0	0 0	0	3°
0	<u> </u>	0	_=2°
0	00		=4°
0	0 0	0	=1°
0	00	O	_=2°
0	0.0		=0°

	RR	RF	(mm)
0	00		<b>1</b> =+0.75mn
0	00		<b>ो</b> =0mm
0	0.0	- 0	0.75mm

	TRACK-WI	DTH	
RR		RF	(mm)
0	0 0	-0	=+1.5mm
0	0 0		=0mm
0	0 0	-0	=-1.5 <sub>mm</sub>

The track-width is directly influenced by the size of the wheels and tires used.

The tables describe the amounts of adjustment using the center and outside positions of the eccentric bushings. The middle position eccentric bushings allow for finer adjustment increments.

RR			RF	(°)
0	0	0	0	=4°
0	0	0	-0	=5°
•	0	0	<u> </u>	=3°
0	0	0		=3°
G	0	0	Ð	=4°
G	0	0	<u> </u>	=2°
0	0	0	0	=5°
0	0	0	_0	=6°
0	0	0	G	=4°

ANTI-SQUAT	
Less anti-squat (flatter arm)	increases rear traction off-power, decreases rear traction on-power, better on a bumpy track
More anti-squad (leaning more backwards)	increases rear traction during acceleration, decreases rear traction off-power, better on smooth high grip tracks, handle better numps when landing

ROLL CENTER	
Lower roll center	more off power and low speed corner grip, but less rotation in corners
Higher roll center	more willing to rotate - the higher it is, more it will be able to be pusched out

TRACK-WIDTH	
Wider	increases rear grip at corner entry, increases high-speed on-throttle steering, use to avoid traction rolling
Narrower	inreases grip at corner exit, increases high-speed understeer

TOE	
Increasing	increases understeer, more stable exiting on-power at corner exit and breaking,
(more toe-in)	less chance of losing rear traction, decreases top speed
Decreasing	less stable at on-power corner exit and breaking, more chance of losing rear
(less toe-in)	traction, increases top speed