SET-UP - HELPER





asier to drive in

ec, for carpet

response

Higher rear downstop

Lower rear downsto

ALU for foam tires

STEERING

high-grip conditions

improves steering

ec. for asphalt



MORE SHIMS

HIGHER ROLL

CENTER

DRIVE SHAFT

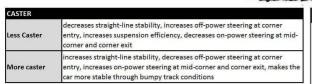
proves stability but push on power mor



MORE SHIMS

HIGHER ROLL

CENTER



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

WHEELBASE	
Longer wheelbase	car is more stable, easier to drive but has less steering, less response. better on high traction tracks or big tracks
Shorter wheelbase	oposite to long, better steering response, car is more agressive better on smaller technical tracks

STEERING BLOCK		
Н	easier to drive	
М	more traction and steering but more difficult to drive	
ALU	for foam tires	

CAMBER LINK LOCATION	
Inner hole	more traction, more roll, more push on power. recommend for small-medium tracks with low-medium traction
Outer hole	better cornering speed, less roll, less traction, recommend for large tracks with high traction

recommended for carpet and large asphalt tracks
better steering response but more difficult to drive, recommend for low-medium grip and small asphalt tracks

DRIVE SHAFT

ECS	more steering and rotation, less traction, more difficult in chicanes		
CVD	less steering, generates more traction, easier to drive in chicanes		
FRONT TOE			
INCREASING	more stable on power and on the straight		
DECREASINMG	decreases understeer, increases steering at corner entry, faster steering response, less stable under acceleration, makes car more difficult to drive		
REAR TOE			
INCREASING	more traction, more stable, but push on power more and has less cornering speed		
DECREASING	less traction, better cornering speed, more on power steering and rotation		

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

SHIMS UNDER SHOCKS	
more shims	easier to drive, more stable but less steering
less shims	more difficult to drive, more steering

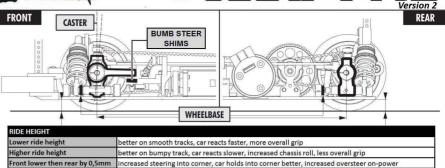
ROLL CENTE	R UPPER CLAMP
FRONT	shorter link (1) more steering response, more in-corner steering, car rolls more
	longer link (4) less steering response, more mid-corner steering, car rolls less
REAR	shorter link (1) more rear traction, less cornering speed, less rotation, car rolls more
	longer link (4) less rear traction, more cornering speed, more rotation, car rolls less

ANTI-ROLL BAR		
FRONT		
Softer (sthinner wire)	more chassis roll, increases front traction, decreases rear traction, increases off-power steering (may cause oversteer)	
Stiffer (thicker wire)	less chassis roll, decreases front traction, increases rear traction, reduces off-power steering at corner entry (increases understeer), quicker steering response	
REAR		
Softer (sthinner wire)	more chassis roll, increases rear traction, decreases front traction, decreases on-power steering (increases understeer)	
Stiffer (thicker wire)	less chassis roll, decreases rear traction, increases front traction, increases on-power steering (may cause oversteer), quicker steering response in high speed chicanes	

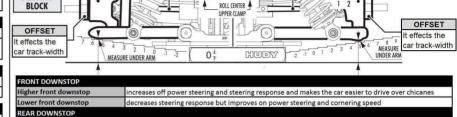
SHOCK UPPER POSITION (SHOCK TOWER)		
FRONT SHOCKS MORE DOWN	decreases entry steering but improves cornering speed	
FRONT SHOCKS MORE UP	gives more entry steering	
REAR SHOCKS MORE DOWN	gives you better cornering speed and rotation of the car	
REAR SHOCKS MORE UP	gives more rear traction	

DIFF. POSITION		
FRONT DIFF.	UP	more steering but less front traction
	DOWN	more front traction but makes the car push more on power
REAR DIFF.	UP	more on-power steering but makes the rear slightly more loose, also better rotation
	DOWN	more rear traction, mainly on-power traction and makes the car more stable in the chicanes, but makes the car push more on power

DIFFERENTIAL		
FRONT SOLID AXE	L	more incorner steering, better for breaking
FRONT GEAR DIFF.		less steering response but more cornering speed (500k - 1mln)
REAR GEAR DIFF.	SOFT	more incorner steering and more traction
KEAK GEAK DIFF.	HARD	better stability and better cornering speed



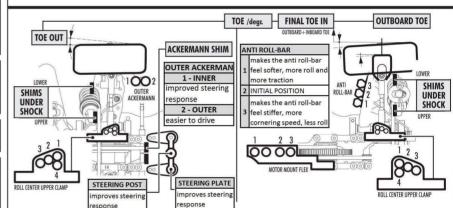
DRIVE SHAFT



mproves on power steering and cornering speed but makes the car less stable

MORE SHIMS

LOWER ROLL CENTER



ALU STEERING ARM etter steering response and cornering speed but makes the car more difficult to drive in high traction. Recommended for asphalt tracks

nakes the car easier to drive in high traction and slightly eliminates traction roll when coming on curbs

FLOATING STEERING SYSTEM

crews used in rear - more traction, better stability in chicanes Screws used in front - better steering response but less stable

SINGLE for low and medium traction tracks

MOTOR MOUNT FLEX

REAR HUB

ess rotation

ess traction

high-grip

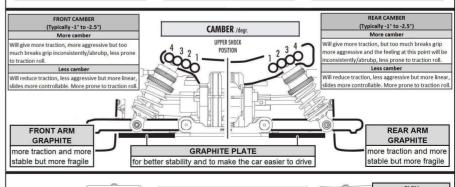
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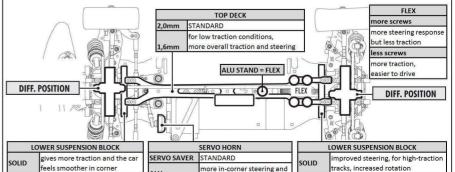
ALU

more traction but

nore rotation but

more rotation for





etter steering response

ALU

SINGLE more steering



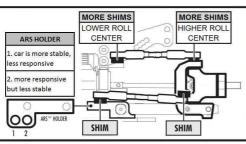






Version 2

ACTIVE REAR SUSPENSION™

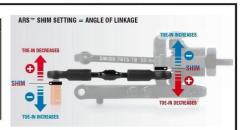


SHIMS ON THE ARS

More shims on the ARS link makes the link more angled and this makes that when the car is in the corner the toe in is decreasing.

For example when you set the toe on 3 degree, than with 1mm shim, the toe will decrease to 2.5 degree toe in when the car is pressed.

This means that in the middle of the corner car starts to steer more so cornering speed is better but traction is decreasing.



SCHOCKS

	SHOCK OIL	PISTON HOLES	EFFECT
FRONT SHOCKS			
SOFTER DAMPING	thinner	more holes/larger holes	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, increases initial steering at corner entry, increases understeer at corner exit/under acceleration
REAR SHOCKS			
SOFTER DAMPING	thinner	more holes/larger holes	faster steering response, increases rear grip at corner exit/under acceleration, decreases rear grip under braking
HARDER DAMPING	thicker	less holes/smaller holes	slower steering response, decreases rear grip at corner exit/under acceleration, increases rear grip under braking

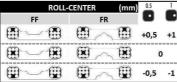
SPRINGS		
FDONT	SRIFFER	increases initial steering into corner, decreases steering mid-corner and out, car more responsive, can become nervous off centre
FRONT	SOFTER	car will have less initial steering, especially under braking, car will have more steering through and out of corners, car will feel smoother
DEAD	STIFFER	car will have less rear grip, more steering, especially on power
REAR	SOFTER	car will have more rear grip in all stages of cornering, car will feel smoother

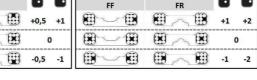
MORE REBOUND car generates more grip, car is more responsive, car more easily upset by curbs/corner markers, can cause car to traction roll in high grip situation car generates less grip, car is smoother and more forgiving to drive, can be useful in high grip conditions



FRONT ECCENTRIC BUSHINGS

ı	KICK-UP 8	ANTI-DIVE (°	0.5	_
	FF	FR		•
			0°	
			0°	
			0°	
_			0,5°	1°
KICK-UP			0,5°	1°
7			1°	2°
NE.			0,5°	1°
ANTI-DIVE			0,5°	1°
A			1°	2°





increased forward traction which improves in corner steering. Recommended for asphalt tracks and tracks decreases forward traction, makes the car easier to drive as it is less responsive. easier to drive in chicane and high traction conditions. Recommended for carpet or high traction tracks

RONT TRACK-WIDTH decreases front traction, less steering response. easier to drive, avoids traction rolling, recommended for higher traction increases front traction, better steering response, recommended for low-medium traction tracks Narrower

Middle position = 0.5 mm or 0.5° from center Outer position = 1mm or 1° from center

All possible mounting

alternatives of eccentric bushings

CK-UP & ANTI-DI\ More kick-up

nore 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 (less anti-dive) on bumpy tracks, decreased steering response 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 More anti-dive (less kick-up) smooth tracks, increased steering response

REAR ECCENTRIC BUSHINS

	ANTI-SQUAT &	PRO-SQUAT (°)	0.5	1
	RR	RF		
			0	•
			0'	•
			0	
JAT			0,5°	1°
ANTI-SQUAT			0,5°	1°
AN			1°	2°
AT			0,5°	1°
PRO-SQUAT			0,5°	1°
PRC			1°	2°

ROL	L-CENTER	(mm)	0.5	1
RR	RF	-	·	
		#	0,5	+1
			0	
		/	0,5	-1

	RR	RF		
6			+1	+2
8				0
0			-1	-2

ı	NN.	RF.	_	
l			3	0
			3,5°	4°
1			2,5°	2°
			2,5°	2°
			3	0
			2°	1°
			3,5°	4°
			4°	5°
			3	0

REAR ROLL CENTER	
	improves traction of the the car but less cornering speed and more on power push. recommended for low traction tracks
Higher roll center	improves rotation and on power steering. recommended for high traction tracks

REAR TRACK-WIL	OTH
Wider	more stable, easied to drive, less rotation and more on power push. Recommended for higher traction tracks
Narrower	less stable, better rotation and cornering speed. Recommended for low-medium traction tracks

ANTI-SQUAT & P	RO-SQUAT
Pro-squat	more weight transfer to the rear of the chassis on-throttle, chassis compresses or drops more on-throttle, increased steering response
Anti-squat	less weight transfer to the rear of the chassis on-throttle, chassis compresses or drops less on- throttle, decreased steering response, increased rear traction

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