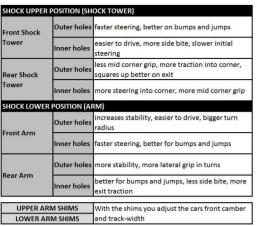




SETHUP - HELPER by MERCH & BELLET XRAY XBS:115



Upper holes	lower rear roll center
Lower holes	higher rear roll center
Inner holes	more rear traction, less cornering speed, less rotation, car rolls more
Outer holes	less rear traction, more cornering speed, more rotation, car rolls less

increases steering and decreases stability into

decreases rear camber gain, increases stability,

corner, increases on-power traction slightly

	slows down the car's responsiveness
LOWER ROLL CENTER	
Upper hole (2)	lower roll center
Lower hole (1)	higher roll center
75-00 00 00	The state of the s

Inner holes

Outer holes

	This change also effects the real flue height.	
FRONT TRACK	-WIDTH	
WIDER	decreases front grip, increases understeer, slower steering response, use to avoid traction rolling	
NARROWER	wer increases front grip, decreases understeering, 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 understeer	

	CASTER		
Laur Caraban	Less Caster	decreases straight-line stability, increases off-power sterring	
	Less Caster	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	

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

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

ACKERMANN		
Forward holes (4)	quiskens initial steering response, car reacts faster to steering input, better suited to small and tight tracks	
Rearward	smoothens out steering response, car reacts smoothly, better	

FULL TRAVEL SHOCKS LENGHT		
With the schock lenght you adjust the downstop of the car		
Longer	Lower downstop value	
Shorter	Higher downstop value	

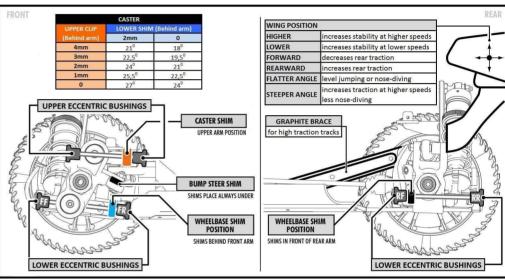
DIFERENTIAL

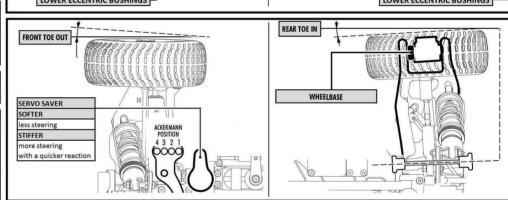
Thicker oil

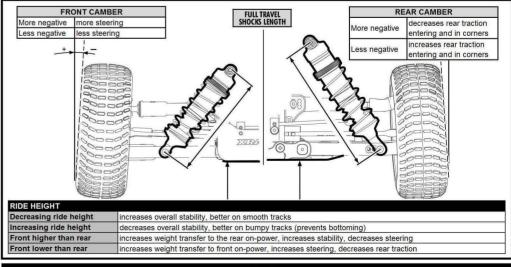
FRONT		
Thinner oil	increases steering into corners	
Thicker oil	increases steering out of corners	
	CENTER	
Thinner oil	car is easier to drive, recommended for rough tracks, more off power steering, less on power steering, less forward to traction. If you go too low, you can burn the oil, so always think about temperature, race length, traction,	
Thicker oil	car accelerates faster / more forward traction, more on power steering, less off-power steering, It makes car however more difficult to drive, so always think about that when going to thicker oil	
	REAR	
Thinner oil	increases rear traction and more rotation in low speed corners	

increases on-power steering, decreases rear traction while

FRONT	REAR		
SHOCK T ALU - Sta GRAPHIT It effects the car track-width			
FRONT DOWNSTOP			
Higher front downstop	less rearward weight transfer, better on smooth tracks, more on-poer steering, more responsive in direction		
Lower front downstop	more rearward weight transfer, increases rear traction on corner exit, better on bumpy tracks		
REAR DOWNSTOP			
Higher rear downstop	less forward transfer, better on smooth tracks		
Lower rear downstop	less stable under braking, increases steering on corner entry, better on bumpy tracks, more turn-in		







	ANTI-ROLL BAR		
FRONT			
Softer (sthinner wire)	increases front chassis roll, increases front traction, decreases rear traction, increases off-power steering		
Stiffer (thicker wire) decreases front chassis roll, decreases front traction, decreases off-power steering at corner entry, quicker steering response			
REAR			
Softer (sthinner wire)	increases rear chassis roll, increases rear traction, 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 respons			
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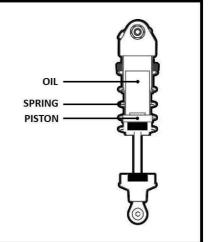




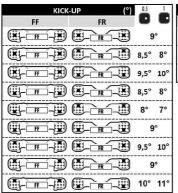
SHOCK OIL		
FRONT		
THINNER	increases steering on low grip surface, slower steering response, decreases initial steering at corner entry, increases oversteer at corner exit/under acceleration	
THICKER	faster steering response, decreases steering on low grip, increases initial steering at corner entry, increases understeer at corner exit/under acceleration	
REAR		
THINNER increases rear grip at corner exit/under acceleration		
THICKER	decreases rear grip at corner exit/under acceleration	

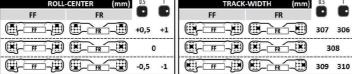
SMALLER HOLES reates more pack - more pack should be used when running on high speed, high grip tracks and tracks with big jumps LARGER HOLES creates less pack - less pack should be used on bumpy, loose tracks

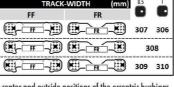
nore chassis roll, more traction, better on bumpy tracks, increases chance of bottoming out when landing STIFFER less chassis roll, less traction, more responsive, better on smooth tracks, decreases chance of bottoming out when landing



FRONT ECCENTRIC BUSHINGS







UPPER ROLL-CENTER (mm) 0.5 -0,5 -1

The tables describe the amounts of adjustment using the center and outside positions of the eccentric bushings.

UPPER ECCENTRIC BUSHINGS (upper roll center) are responsible for setting the front roll center.

Also by using the upper eccentric bushins you can adjust the front CAMBER, by moving the bushings more outside or inside.

KICK-UP more weight transfer to the front of the chassis off-throttle or under braking, chassis More kick-up tracks, decreased steering response

compresses or drop more off throttle or under braking, handling is improved on bumpy

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

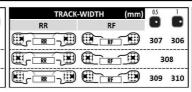
Lower roll center decreases steering into corner, car is less responsive, use in high-grip conditions Higher roll center increases steering into corner, car is more responsive

Narrower increases front grip, decreases understeer, faster steering response

REAR ECCENTRIC BUSHINS



ROLL-	0.5	1	
RR	RF		
	RF B	+0,5	+1
	RF B	0	
	RF B	-0,5	-1



RR	RF		
	RF B	3°	
E RR	₩ RF ₩	3,5°	4°
E-RR-B	RF	2,5°	2°
	RF B	2,5°	2°
	RF B	3°	
	RF B	2°	1°
E-RR	RF B	3,5°	4°
	RF	4°	5°
	RF	3°	

The tables describe the amounts of adjustment using the center and outside positions of the eccentric bushings.

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

ROLL CENTER	
lower roll center	decreases rear traction into corner, increases steering into corner, use to avoid traction rolling mid-corner and corner exit
Higher roll center	increases on-power traction, use to avoid traction rolling at corner entry, use under low-traction conditions

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