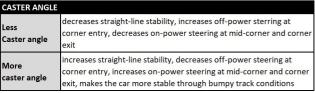




## RX818



BUMP STEER SHIMS	
lLess shims	less steering in mid-corner, better on rough bumpy tracks, easier to drive on chicanes
More shims	more steering in mid-corner, more rotation

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

FRONT UPPER ARM		
SOFT	makes the car more round and more steering	
MEDIUM	STANDARD	
HARD	makes the car less round and less steering, but little more initial	
ПАКО	steering,	
GRAPHINE	more effect compare to hard	
REAR UPPER A	RM	
MEDIUM	for more cold condition or lower grip	
HARD	better for hot condition, makes the car little bit more precise and	
ПАКО	frees up the suspension	
GRAPHINE	more effect compare to hard	
FRONT AND REAR LOWER ARM		
MEDIUM	for more cold condition or lower grip	
HARD	better for hot condition, makes the car little bit more precise and	
HARD	frees up the suspension	
GRAPHINE	more effect compare to hard	

Open bumper generates less front downforce and little lower top speed Can make it little consistent steering for bumpy tracks

It's recommend to change both - FRONT & REAR ARMS

Closed bumper generates more front downforce and little higher top speed Can make it little inconsistent steering for bumpy tracks

FRONT TOE-OUT	
INCREASING	more stable on power and on the straight
DECREASING	increases steering and steering response, faster direction change
REAR TOE-IN	
INCREASING	more traction and more on power stability
DECREASING	less traction, more onpower steering, faster direction change

ACKERMANN		
more		
backward	to smooth flowing tracks with high speed corners	
more forward	quickens initial steering response, car reacts faster to steering input, better suited to small and tight tracks, faster direction change	

	SHOCK UPPER P	OSITION (SHOCK TOWER)
- 1	FRONT SHOCKS MORE DOWN	decreases steering response, less on power steering, increased highspeed steering, increase midcorner steering but decrease rotation
IERONT SHOCKSI		highspeed steering, decrease midcorner steering but increase
	REAR SHOCKS MORE DOWN	increased rotation and onpower steering
	REAR SHOCKS MORE UP	decreased rotation, faster direction change, more midcorner steering, less onpower steering

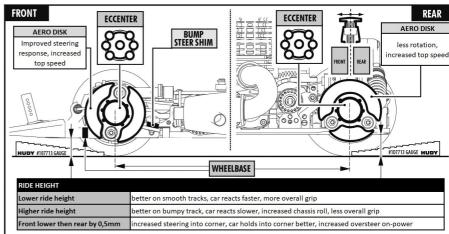
CAMBER LINK LOCATION	
Inner hole (1)	more rear traction in corner exit, less cornering speed, less rotation, less rear traction on straight way, more progressive cornering
Outer hole (2)	less rear traction in corner exit, more cornering speed, more rotation, more rear traction on straight way, more linear cornering

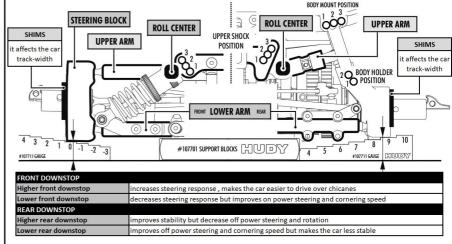
ENGINE MOUNT	
ALUMINIUM	BASIC SETTING
MONOBLOCK	reinforces the chassis flex around the engine area for improved onpower steering and feeling, decreased incorner steering
BRASS	reinforces the chassis flex around the engine area for improved onpower steering and feeling, decreased incorner steering, increased midcorner steering

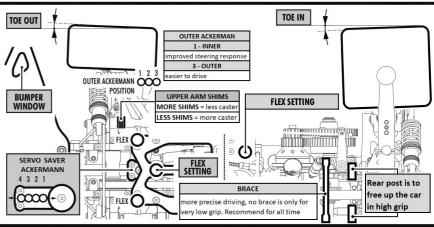
REAR Wider

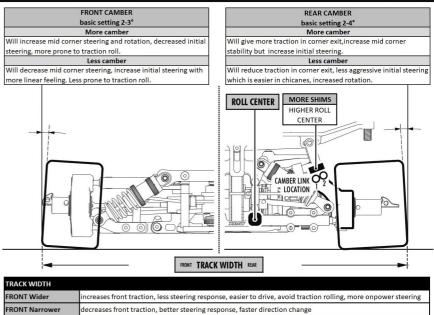
REAR Narrow

### FRONT BRACE better steering response and precise driving, Also little more steering









more stable, easier to drive, less rotation and faster direction change

less stable, better rotation and cornering speed, more onpower steering





# SHOCKS

	SHOCK OIL	PISTON HOLES	EFFECT
FRONT SHOCKS			
SOFTER DAMPING	thinner	more holes/larger holes	slower steering response, decreases initial steering at corner entry, increased oversteering mid corner
HARDER DAMPING	thicker	less holes/smaller holes	faster steering response, increases initial steering at corner entry, decreased oversteer mid corner
REAR SHOCKS			
SOFTER DAMPING	thinner	more holes/larger holes	faster steering response, decreases rear stability at corner exit, increases rear stability under braking and mid corner
HARDER DAMPING	thicker	less holes/smaller holes	slower steering response, increases rear stability at corner exit, decreases rear stability under braking and mid corner

SPRINGS	RINGS			
	STIFFER	increases steering response and initial steering into corner, decreases steering mid-corner but more rotation and increased on power steering		
FRONT	SOFTER	decreases steering response and initial steering into corner, increased steering mid-corner, but less rotation and decreased on power steering, car will feel smoother especially under breaking, better for bumpy tracks		
REAR	STIFFER	decreases initial steering, increases mid corner steering and increases power oversteering from mid corner to exit, slightly faster direction change		
KEAK	SOFTER	increases initial steering, decreases mid corner steering, decreases power oversteering, better for bumpy tracks		

car generates more initial grip, but has less chassis roll with less cornering speed, car is more responsive, car is more sensitive to curbs, can cause car to traction roll in high grip conditions

	LESS REBOUND	car generates less initial grip, but has more chassis roll and cornering speed, car is smoother and more forgiving to drive, can be useful in high grip conditions
_		

SPRINGS	PRINGS		
	STIFFER	increases steering response and initial steering into corner, decreases steering mid-corner but more rotation and increased on power steering	
FRONT	SOFTER	decreases steering response and initial steering into corner, increased steering mid-corner, but less rotation and decreased on power steering, car will feel smoother especially under breaking, better for bumpy tracks	
REAR	STIFFER	decreases initial steering, increases mid corner steering and increases power oversteering from mid corner to exit, slightly faster direction change	
KEAK	SOFTER	increases initial steering, decreases mid corner steering, decreases power oversteering, better for bumpy tracks	



FRONT & REAR	EFFECT	RECOMMENDATION
AXLE UP	roll center up, spring and shock softer	for smooth high grip track
AXLE DOWN	roll center down, spring and shock stiffer	for bumpy tracks

FRONT	EFFECT
AXLE FORWARD/LESS CASTER WAY	under full steering lock less rotation, but more rear grip, less stable on straight
AXLE BACKWARD/MORE CASTER WAY	under full steering lock more rotation, but less rear grip, more stable on straight

REMEMBER! Ride height has to be readjusted and the drop will have different value when eccenter is changed.



### **ROLL CENTER**

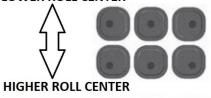
	REAR UPPER ROLL CENTER		
	LENGTH	LONG	less rear traction in corner exit, more cornering speed, more rotation, more rear traction on straight way, more linear cornering
		SHORT	more rear traction in corner exit, less cornering speed, less rotation, less rear traction on straight way, more progressive cornering
	HEIGHT	UP	less midcorner steering, more rotation, more initial steering, slightly more progressive cornering
		DOWN	more midcorner steering, less rotation, less initial steering, slightly more linear cornering
	ANGLE ANGLED more steering midcorner, more chassis roll, more progressive cornering, less rotation FLATTENED less steering midcorner, less chassis roll, more linear cornering, more rotation	more steering midcorner, more chassis roll, more progressive cornering, less rotation	
		FLATTENED	less steering midcorner, less chassis roll, more linear cornering, more rotation

FRONT UPPER ROLL	ONT UPPER ROLL CENTER	
l Lower roll center	improved initial steering, more linear cornering, less rotation and less off power steering Recommended for low-medium traction	
l Higher roll center	decreased initial steering, more progressive cornering, more rotation and more offpower steering Recommended for high traction tracks	

	REAR LOWER ROLL	CENTER
	Lower roll center	improved traction, more initial steering, more rotation Recommended for low traction tracks
	Higher roll center	improved on power steering, easier in chicanes, faster direction change but less traction Recommended for high traction tracks
Changing the eccentric bushings position will effect the ride height position		

# **LOWER ROLL CENTER HIGHER ROLL CENTER**

**LOWER ROLL CENTER** 



# **REAR BODY POSITION**

BODY MOUNT POSITION
1 = less steering, but more round cornering and little lower overall downforce

3 = more steering, but less round cornering and little higher overall downforce,

### **BODY HOLDER POSITION**

- 2 = More steering, higher overall downforce
- 1 = less steering, lower overall downforce

# BODY SUPPORT

It's related with the wheelbase of the car,

once you move the rear axel you also move the body support



## **ANTI-ROLL BAR**

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

ANTI-ROLL BAR BLADE - PROGRESSIVE





