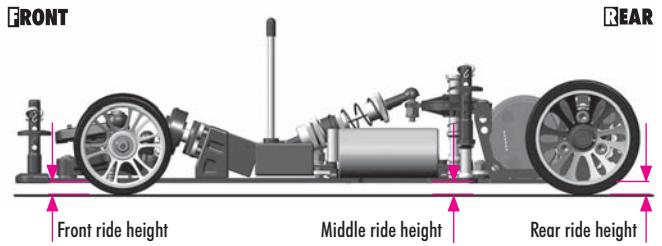


## RIDE HEIGHT



Ride height is the height of the chassis in relation to the surface it is sitting on, with the car ready to run.  
Ride height needs to be checked in five places:

- **FRONT:** Front ride height is measured on the left and right edges of the chassis plate.
- **REAR:** Rear ride height is measured at the center of the rear pod plate.
- **MIDDLE:** Middle ride height is measured in the middle of the chassis plate where the pod and chassis connect (both left and right sides)

All five of these points should be set as close as possible to achieve a neutral-handling car. A good starting ride height would be 3–4mm depending on track type and surface.

### IMPORTANT:

Measure ride height when the car is race ready (batteries, motor and electronics installed)

DECREASING ride height (lowering the car) increases overall grip and steering response, and is better on smooth tracks. INCREASING ride height (raising the car) increases chassis roll and is better on bumpy and asphalt tracks.

### NOTE:

Recheck ride height every time you change tires or true tires to a different diameter.

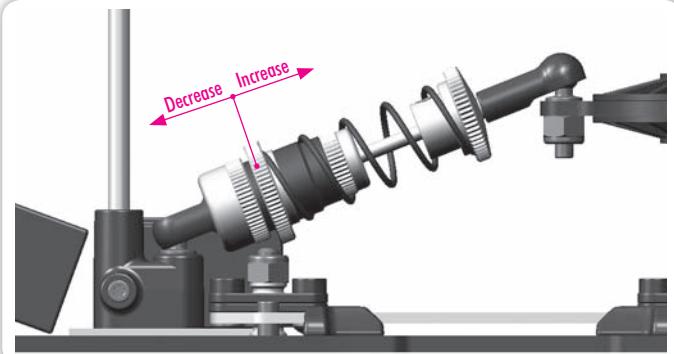
## FRONT RIDE HEIGHT



Front ride height can be adjusted by placing shims at various locations on the kingpin and also under the front lower bulkhead. Ride height is influenced by the tire diameter. The amount of shims has to be the same on both left and right sides.

FRONT TIRE DIAMETER	SHIMS ON KINGPIN	SHIMS UNDER BULKHEAD
Small	Above upper arm = 0.5mm Above steering block = 1mm Beneath steering block = 0.5mm	0.5mm
Medium (initial setting)	Above upper arm = 0.5mm Above steering block = 1.5mm Beneath steering block = 0mm	1.5mm (3x 0.5mm)
Large	Above upper arm = 0.5mm Above steering block = 0mm Beneath steering block = 1.5mm	1.5mm (3x0.5mm)

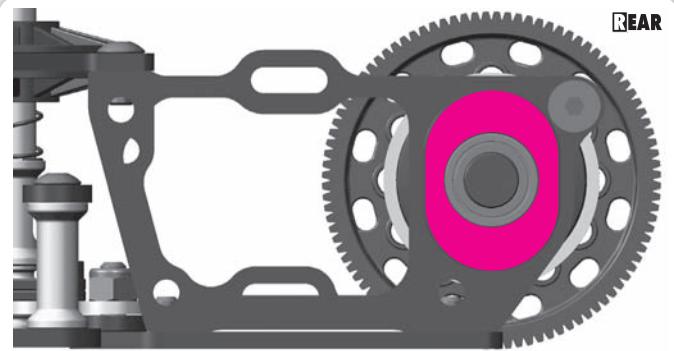
## MIDDLE RIDE HEIGHT



Adjust middle ride height using spring preload.

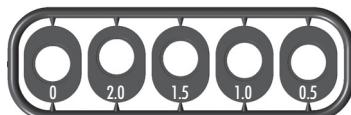
PRELOAD SETTING	THREADED PRELOAD COLLAR
Increase	TIGHTEN collar so it compresses the spring.
Decrease	LOOSEN collar so it allows the spring to expand.

## REAR RIDE HEIGHT



Rear ride height can be adjusted by the rear ride height adjuster bushings.

You must use matching bushings on both left and right sides to ensure the axle is exactly parallel to the bottom of the pod.



REAR TIRE DIAMETER	BUSHINGS
Small	Orient bushings so hole is offset towards the BOTTOM The smaller the tire, the more the hole is offset towards the bottom
Medium (initial setting)	0 offset bushings (hole in middle of bushing)
Large	Orient bushings so hole is offset towards the TOP The larger the tire, the more the hole is offset towards the top