



# Front End Options

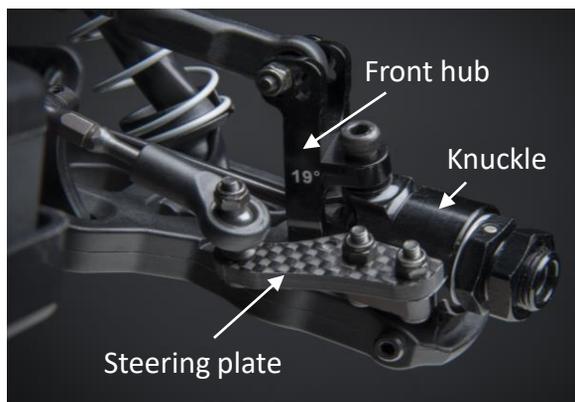
There are many variables for adjusting front end geometry. JQ Racing provides optional front hubs to adjust the caster angle, and option knuckles to change the King Pin Inclination (KPI) angle. These affect the steering feel of the Black Edition.

## Front Hubs

The JQ Racing Black Edition comes standard with 18° front C hubs. The optional hubs increase the hub angle to 20°. These are used to smooth the front end and make the car less nervous. This gives impression of less off power steering; but is better for large on power sweepers. Increasing the overall caster angle also benefits in bumpy conditions.

Two sets of 20° optional C hubs are available. These allow different KPI angles with use of different front knuckles to further influence how the car feels. See the compatibility table below for what is required.

The hub angle of the C hubs can be identified with markings on the rear of the hub as shown in the top right. Note: The first batch of BE's came with "19°" marked, but are actually 18°.



KPI #1 – Stock Inclination



KPI #2 – High Inclination

## Front Knuckles

Optional front knuckles change the king pin inclination angle (KPI). Changing the KPI changes how the car feels during cornering.

KPI #1 knuckles are included in the kit, but a regular option is to try the #0 for a smooth, more linear steering feel. Both KPI #1 and #0 are close in geometry so can use the same C hubs.

#0 and #1 knuckles can be identified by the offset of the upper king pin bolt hole as shown below:



KPI #0



KPI #1

KPI #2 knuckles add a large inclination, giving smooth initial steering and great on power steering. This gives the car a "pillow ball" feel; more suited to aggressive driving styles or high speed tracks. These are currently only available in the JQS2020 option kit, with the option C hubs.

## Build tips

- Take your time on the initial build of the hub and knuckle. Clean the threads with brake cleaner and then assemble with Loctite.
- Ensure the knuckle rotates smoothly in the hub.
- When running the 20° hubs; remove arm material (right)



## Compatibility Table

		Knuckles			
		#0	#1	#2	
		JQB0380 (L) JQB0381 (R)	JQB0389 (L) JQB0399 (R)	JQS2020	
Hubs	18deg	JQB0395 (L) JQB0396 (R)	Yes	Yes (stock)	No
	20deg	JQB0424 (L) JQB0425 (R)	Yes	Yes	No
	20deg (high incline)	JQS2020	No	No	Yes

Contact your local Team Rep, Scott Walker (eurowalker@jq-products.com) or Keenan White (whiteedition@jq-products.com) with any queries