









## Thank you for purchasing our JOK3R Mini Club Racer or JOK3R Mini Sport Racer!

We have spent hundreds of hours and completed thousands of laps to create the JOK3R mini racer the way we wanted it: A modern take on this classic R/C class. While we all get the saying, 'If it ain't broke, don't fix it,' we also believe that, 'What breaks often, should be fixed!' Our aim was to design a race car that meets the expectations of club racers of all levels: robust and fast, simple to set up, and easy to drive. Our philosophy was quite simple really: to reduce build time, downtime, setup time, and most importantly, lap times!

Please read this instruction manual fully, as it provides not only assembly information but also Tips and Tricks to make your build, set-up and running of your race car more enjoyable.

#### **IMPORTANT! SAFETY FIRST!**

WARNING: This kit contains small parts and it is not suitable for young children. If this kit is intended for your children, supervision is strongly advised.

## THIS SLIDER KIT CONTAINS:

1x JOK3R Club Racer Kit, or JOK3R Competition Racer Kit.

#### In Addition, you will need:

- A RS-540 type Motor, and pinion gear. Some motors have a shorter shaft output, so the use of a longer boss pinion may be required.
- Speed Control.
- Battery and Charger.
- Servo.
- Radio Control set .
- Body Shell and Tyres.

Please check with your local club for rules and recommendations.

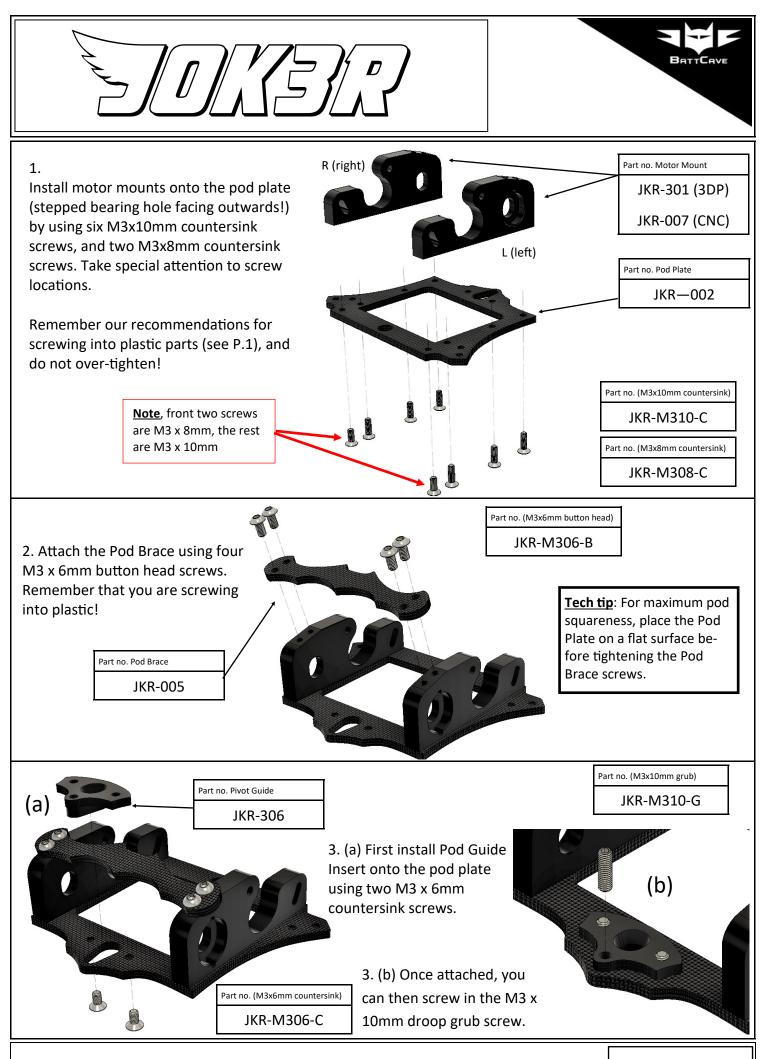
#### **RECOMMENDED TOOLS FOR ASSEMBLY:**

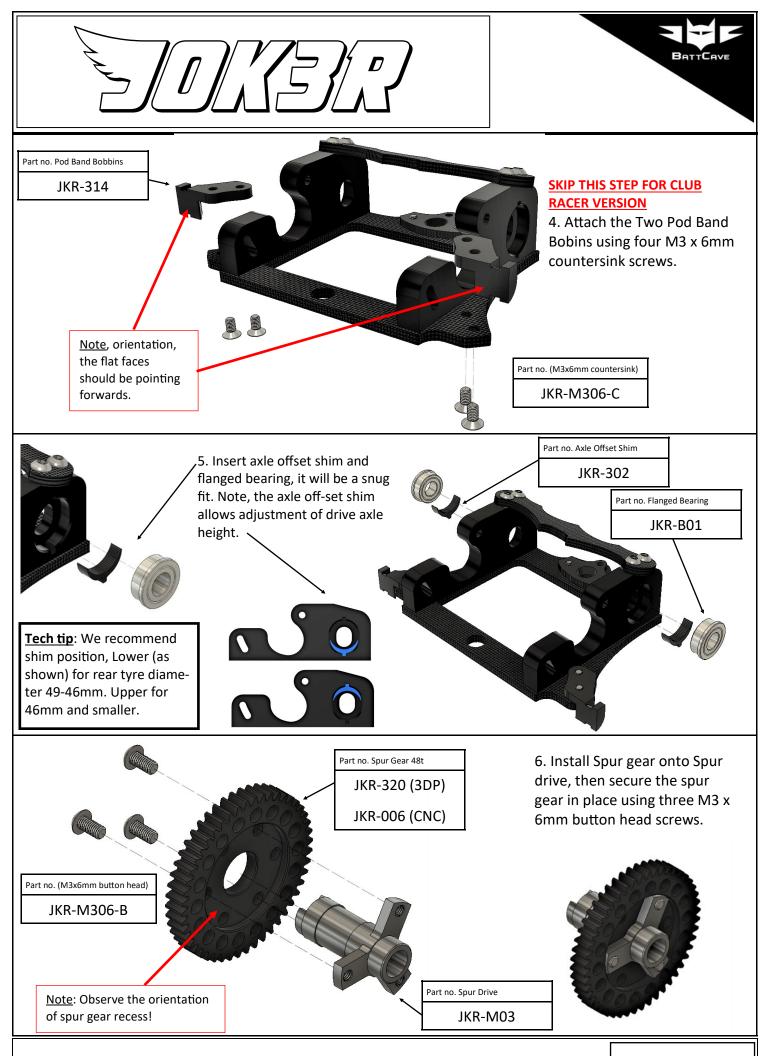
1.5mm and 2.0mm HEX or Allen Drivers.

4mm Turnbuckle Wrench and 5.5mm Hex socket driver.

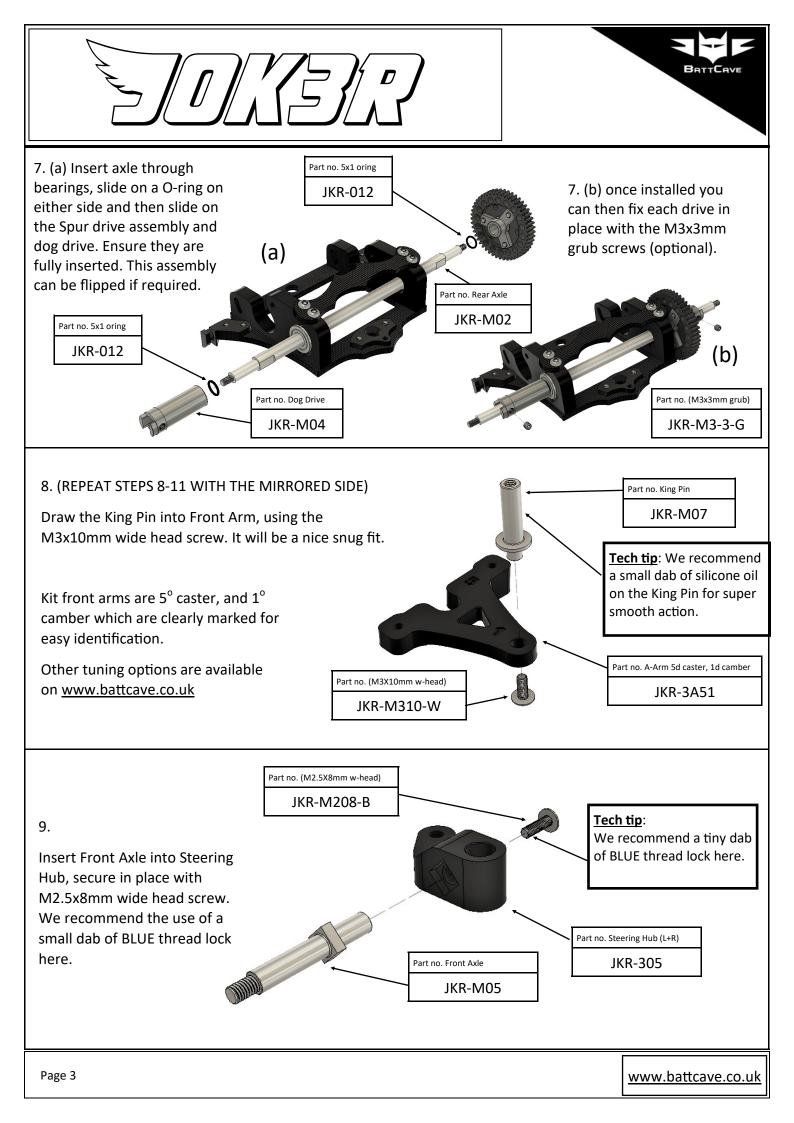
#### USEFUL ASSEMBLY TIPS:

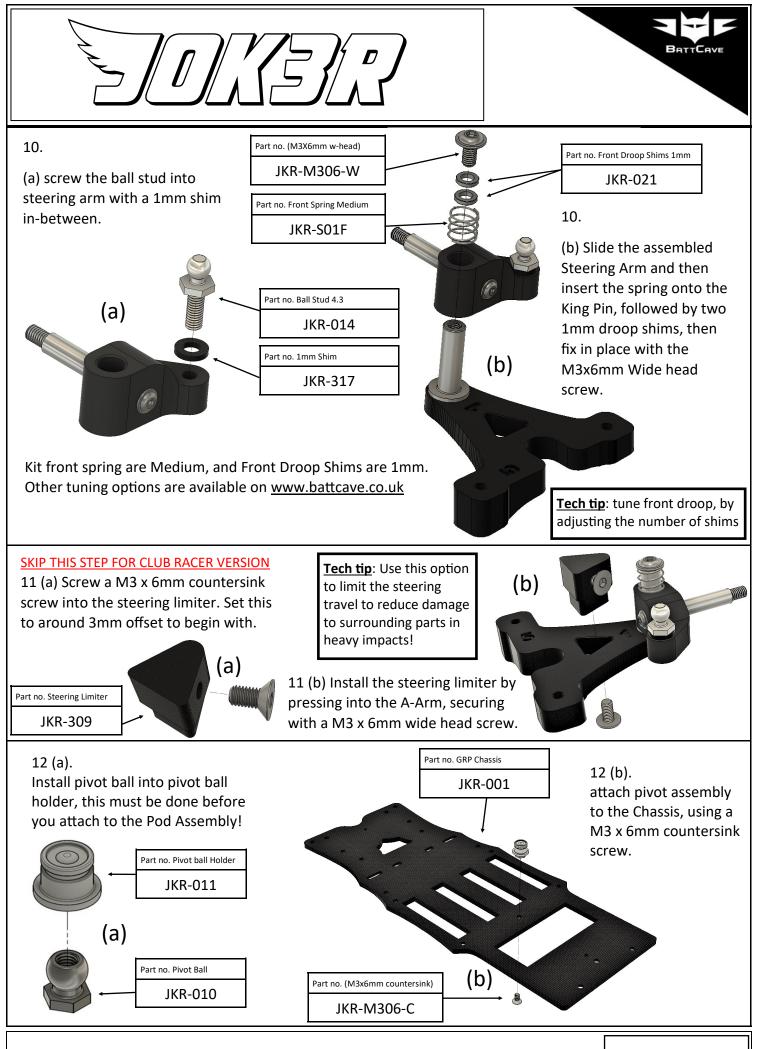
- 1. Many plastic parts in this kit are made with our advanced 3D printing methods using only selected plastic filaments. Using this manufacturing method allows us to keep costs down as well as provide easy updates when required. The characteristics of printed plastic parts are fundamentally same as moulded parts and care should be taken when screwing or tapping screws into plastic materials. Motorised screw drivers are not recommended for the above reasons!
- 2. When screwing machine screws into plastic, heat is generated by the friction between the screw and the plastic itself, and this heat build up will soften the plastic. So it is essential to allow the heat to dissipate before the final tightening of the screw. A good rule is to screw the crew into the plastic 90% of the way into the plastic material, wait for 30 seconds then proceed with tightening the fastener to full.
- 3. Always remember not to over-tighten any screws especially when screwing into plastic materials.
- 4. We recommend the use of BLUE thread lock where indicated in the user manual.
- 5. It is good practice to regularly check screws in high load area to see if they are still properly fastened.
- 6. Don't be afraid to ask dumb questions! (We all have them!)

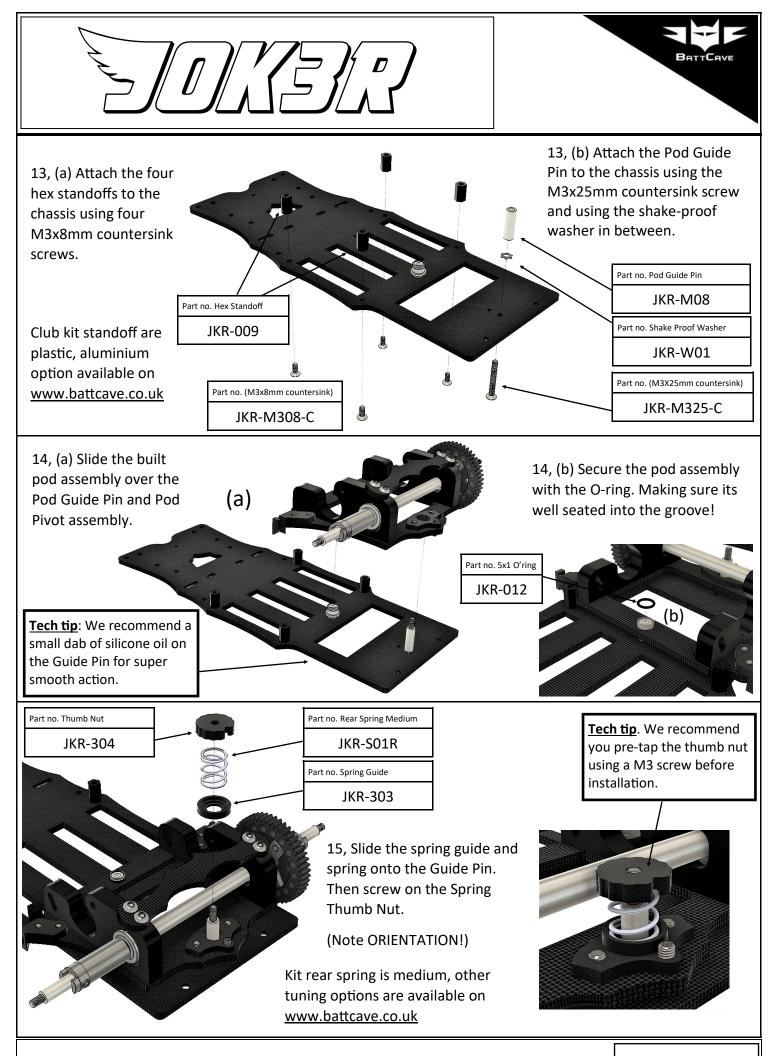


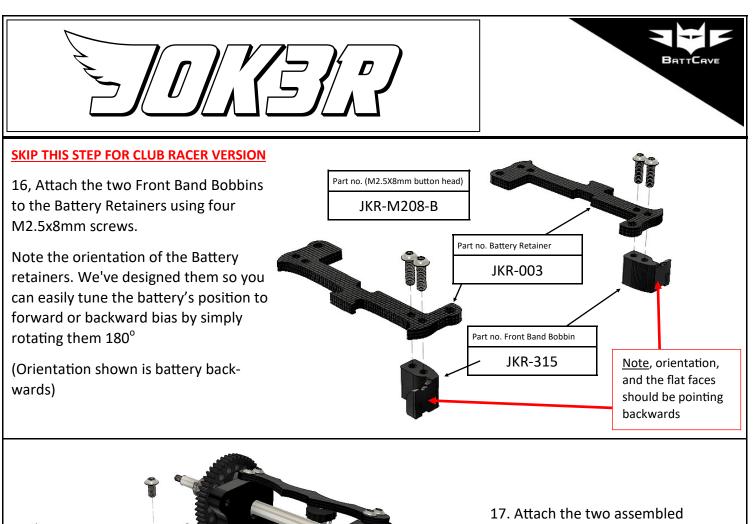


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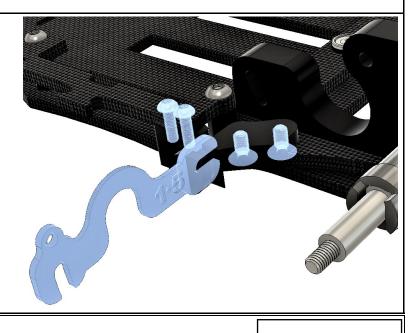


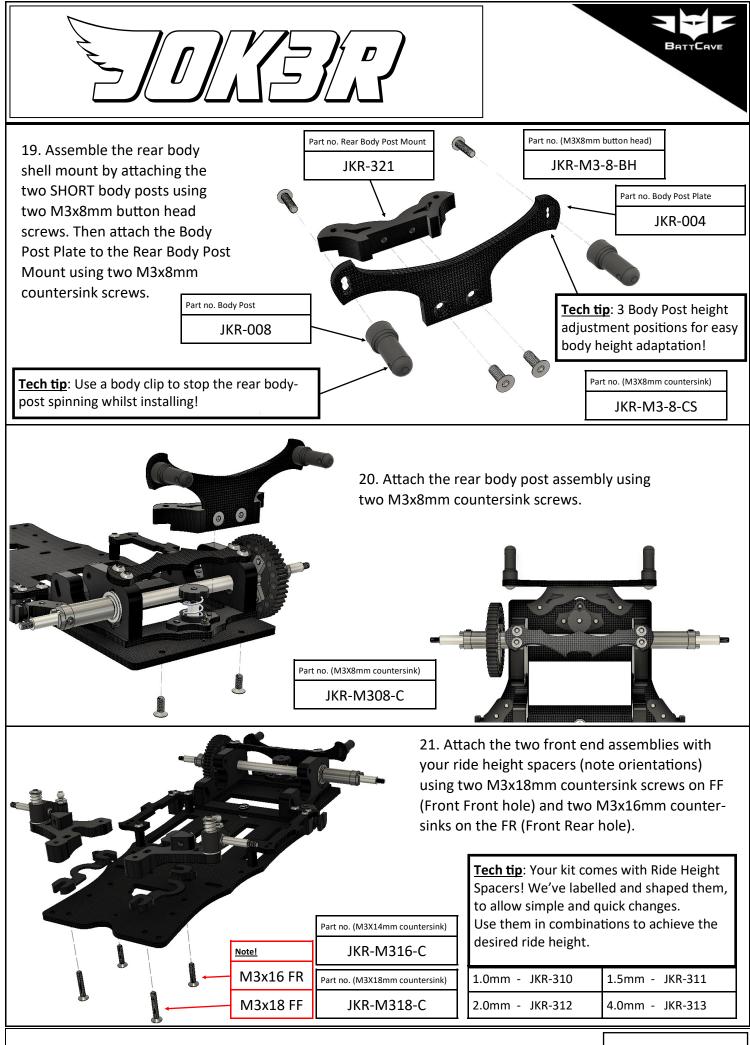
battery retainers to the four hex standoffs using four M3x6mm button head screws.

Part no. (M3X6mm button head) JKR-M306-B

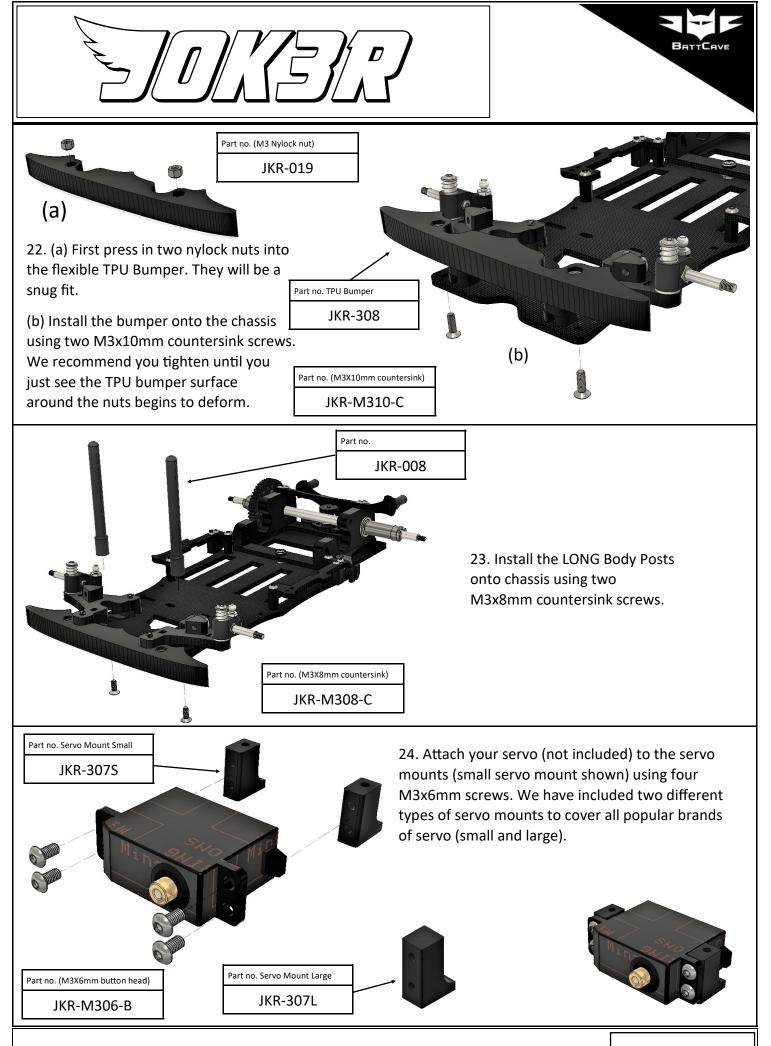
# SKIP THIS STEP FOR CLUB RACER VERSION

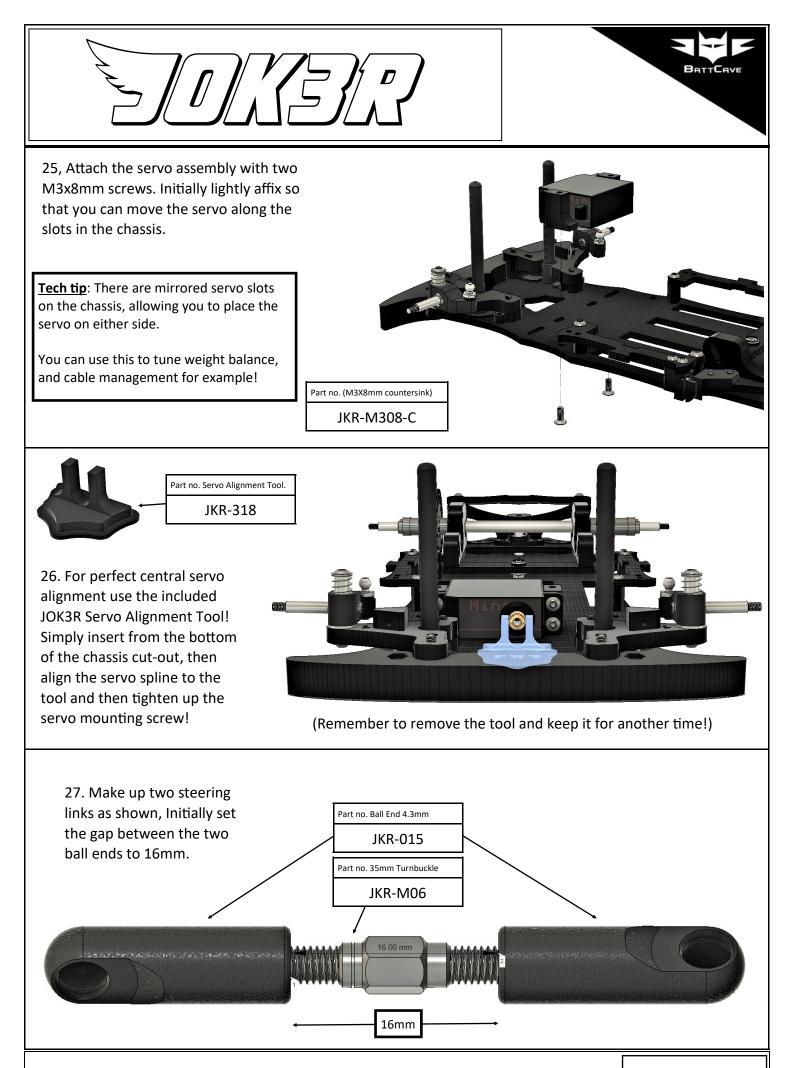
18, Setting the gap between the two Band Bobbins is very simple, they have been designed to have a small amount of free movement. First very slightly relax the four highlighted screws. Next take your Kit supplied 1.5mm front ride height shim and place between the two flat faces... then simply pinch them all together and nip up the screws again. Repeat this for both sides.





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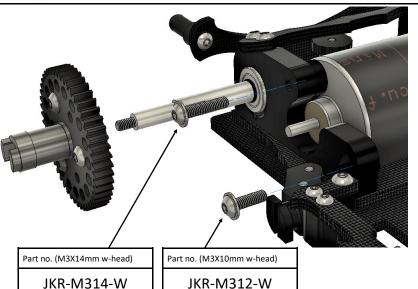


assembled steering links.

31. Mount the Motor Flange Plate to the motor (not included) using a M3x6mm countersink screw. Ensure the other holes align before you fully tighten the screw.

The Flange Plate can be mounted from either side, allowing you to install the motor on either side of the Pod Assembly.

Part no. (M3x6mm countersink)



32. Slide in the Motor and Flange plate, then fix in place with a M3x14mm Wide head screw in the upper hole. We recommend you slide the Spur Drive assembly out of the way to initially insert this screw through the motor mount. Next pass the

M3x12mm Wide head screw through the swing slot of the Motor Mount, and screw into the Flange Plate.



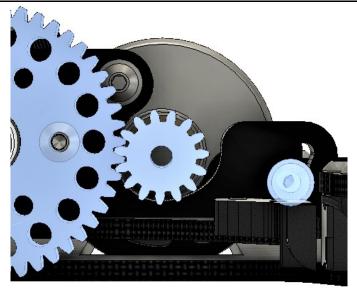
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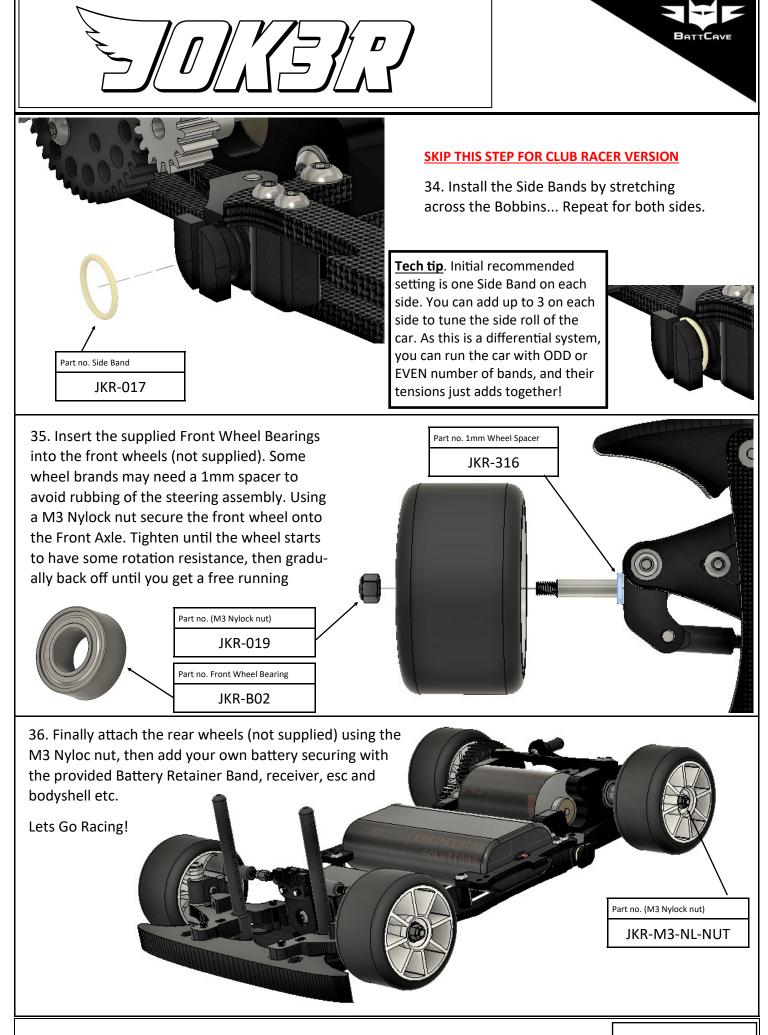
33. Attach your pinion gear (not included) to the motor shaft, and loosen the 2 screws holding the motor. The assembly can then swing, allowing you to correctly adjust the gear mesh correctly. Once correct mesh is achieved, tighten the highlighted screw first to fix the position. Then tighten the other screw to complete the motor installation.

Tech tip: If you are using a 3dp spur gear, make sure you correctly mesh the teeth for longevity. Another top tip is to keep the teeth clean of pickup. We've achieved 2000+ laps and counting on our prototype cars in testing!

# Please Note

Some motors have a shorter shaft output, so the use of a longer boss pinion may be required.







Part Number

YJKR-001

JKR-002

JKR-003

JKR-004

JKR-005

JKR-M01

JKR-M02

JKR-M03

JKR-M04

JKR-M05

JKR-M06

JKR-M07

JKR-321

JKR-301

JKR-302

JKR-303

JKR-304

JKR-305

JKR-306

JKR-307S

JKR-307L

JKR-3A51

Pivot Ball Holder	JKR-011
5x1 O'Ring	JKR-012
Servo Saver	JKR-013
Ball studs 4.3mm	JKR-014
ball ends 4.3mm	JKR-015
Front springs Medium (Kit)	JKR-S01F
body clips	JKR-016
Side Bands	JKR-017
Battery Retainer Band	JKR-018
M3 nylock nuts	JKR-019
Rear Axle Bearings	JKR-B01
Front Axle Bearings	JKR-B02
Front Droop Shims 1.0mm	JKR-021
Shake Proof Washer	JKR-W01
JOK3R Screws (See manual for individual codes)	JKR-M

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TPU Bumper	JKR-308		
steering limiters	JKR-309	<b>Optional and Upgrade Parts List</b>	Part Number
front ride height spacer 1mm	JKR-310	7075 Aluminium Chassis	JKR-001-A
front ride height spacer 1.5mm	JKR-311	A Arms 5d caster, 2d camber	JKR-3A52
front ride height spacer 2mm	JKR-312	A Arms 4d caster, 1d camber	JKR-3A41
front ride height spacer 4mm	JKR-313	A Arms 4d caster, 2d camber	JKR-3A42
Pod Band Bobbins	JKR-314	Rear spring hard	JKR-S02R
Front Band Bobbins	JKR-315	Rear spring soft	JKR-S03R
1mm wheel spacer shim	JKR-316	Front spring Hard	JKR-S03F
1mm hub shim	JKR-317	Front springs Soft	JKR-S02F
Servo Alignment Tool	JKR-318	Hex Standoff Aluminium	JKR-M09
Servo Saver Brace	JKR-319	Motor Mounts	JKR-007
3dp Spur 48t	JKR-320	CNC spur gear	JKR-006
Body Post Set	JKR-008	CNC motor mount	JKR-007
Hex Standoff Plastic	JKR-009	Front Droop Shims 0.3mm	JKR-020
Pod Guide Pin	JKR-M08		
Medium Rear Spring	JKR-S01R		
Pod Pivot ball	JKR-010		

Kit Parts List

chassis

Pod Plate

pod brace

rear axle

spur drive

dog drive

front axle

battery Retainer

**Rear Body Post Plate** 

motor flange plate

turnbuckles 35mm

Rear Bodypost Mount

front kingpins

**Motor Mounts** 

axle offset shim

spring guide

Thumb Nut

steering Hub

**Pivot Guide** 

Servo Mount Small

Servo Mount Large

A Arms 5d caster, 1d camber

