

Spare parts fitting instructions

Part	Motor and gearbox
Tools Required	Hammer, 4mm pin punch, 8mm spanners, wooden block
Contents	Motor and gearbox, axle pin

1. Remove both wheels by using locking tabs and sliding wheels off.
2. Using a 4mm pin punch, knock out and remove both clutches from the axle. *Ensure you use a wooden block under the axle when knocking pins out to protect the axle and bearings.*
3. Turn the buggy over and lay it on its back. Use some padding to protect the top of the buggy from damage.
4. Remove the 2 x 6mm bolts and nuts on motor housing closest to the axle, and loosen the 2 x 6mm bolts near the seat tube. Loosen the screw holding the axle sensor and ensure the sensor can slide on the axle. *It is very important to note the position of the axle sensor as refitting the sensor in the wrong position can alter the controller operation.*
5. Knock out the axle pin through the motor shaft and slide the axle out of the buggy. If the axle is not free, do not hit with a hammer. Lubricate with WD40 and try again.
6. Remove the motor and gearbox from the housing and undo the wire connector to the controller. Refit the new motor and gearbox in the reverse procedure. Carefully align the motor bracket with the locating rivet and slot in the motor bracket. Leave the motor bracket bolts loose at this stage.
6. Slide in axle and ensure motor shaft hole lines up correctly. Refit motor pin. Be sure to refit axle sensor in the same position as before and tighten. Apply WD40 to the axle carriers to lubricate the axle.
7. Ensure axle is centered in buggy frame, with equal gap each side of the axle carriers.
8. Tighten the 4 x 6mm motor housing bolts ensuring not to over tighten bolts. Refit clutches and wheels in reverse order as above.

