
Dunbar Race Engineering Ltd

Mechanical Design | Analysis | Prototype

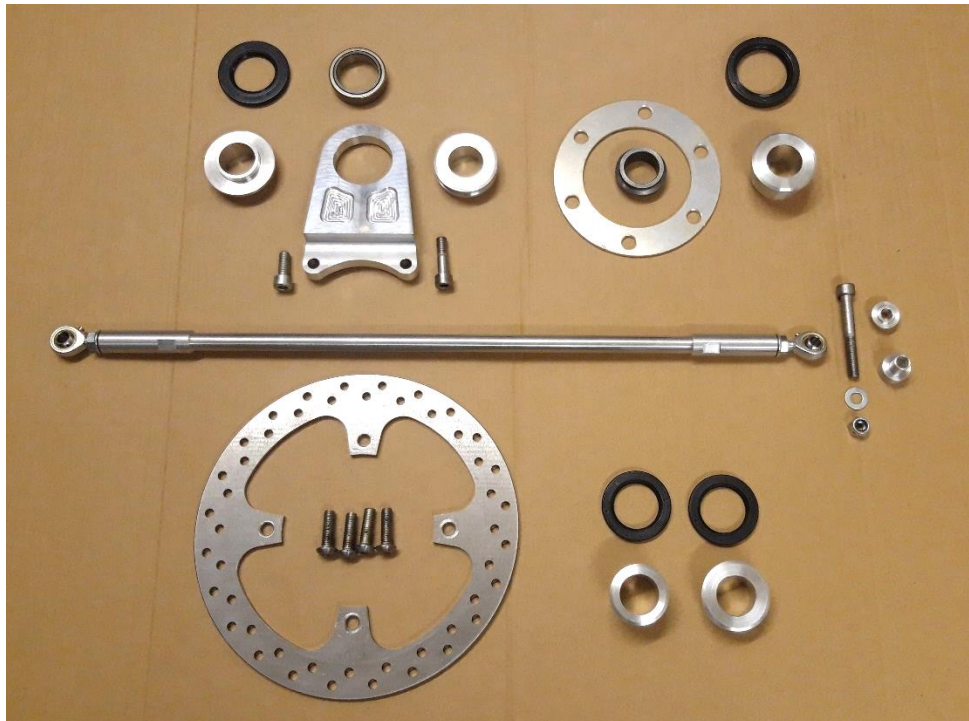
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Fitting kit ZX6 wheels into ZXR750

Applicable to: ZXR750 Models excluding H1/H1
Wheels from: ZX6 models G, J and A1P

Benefits: significantly lighter wheels with rim size suitable for a wide range of tyres.

This kit enables the fitting of ZX6 wheels into a standard ZXR750 swing arm and front forks. The following information sheet details the wheel (hub) center widths as well as swing arm and front fork internal dimension. This will allow the customer to check their bike is standard and that the parts in the kit are therefore applicable.



Included in the Kit

- ✓ Front wheel spacers and seals (which allow spacers to be held captive).
- ✓ Rear wheels spacers and seals (also captive).
- ✓ Rear brake caliper bracket with needle roller bearing. For caliper with 64mm bolt pitch (see detailed information below).
- ✓ Sprocket spacers to re-align chain.
- ✓ Brake arm with rose joints and inserts + bolt for fixing to frame.
- ✓ Rear disc: OD 214mm, with 4 off M8 bolts holes on 119mm pitch circle diameter.

Detailed information:

Rear Wheel:

- Sprocket carrier dust seal outer diameter 55mm. Recess in carrier is 55mm inner diameter, standard for this spec of ZX6 wheel.
- Disc side dust seal outer diameter 52mm. Recess in wheel is 52mm inner diameter, standard for this spec of ZX6 wheel.
- Rear spindle is 24.9mm (standard ZXR750 spindle) i.e. the bearings and swing arm are all D25mm or D25 with clearance.
- Rear wheel / hub measures 182.75mm across outer faces of wheel bearings. Standard for this spec of ZX6 wheel. This may vary slightly.
- Rear disc: Outer diameter 214mm, bolts on a 119mm pitch circle diameter. Disc thickness 5mm, stainless steel. Bespoke to this setup with this caliper bracket.
- Caliper bracket: Bespoke to this setup. Pitch between bolt holes 64mm. Recommended to be used with GB Moto rear caliper – [GB Moto Link](#) Customer needs to buy the caliper or equivalent.

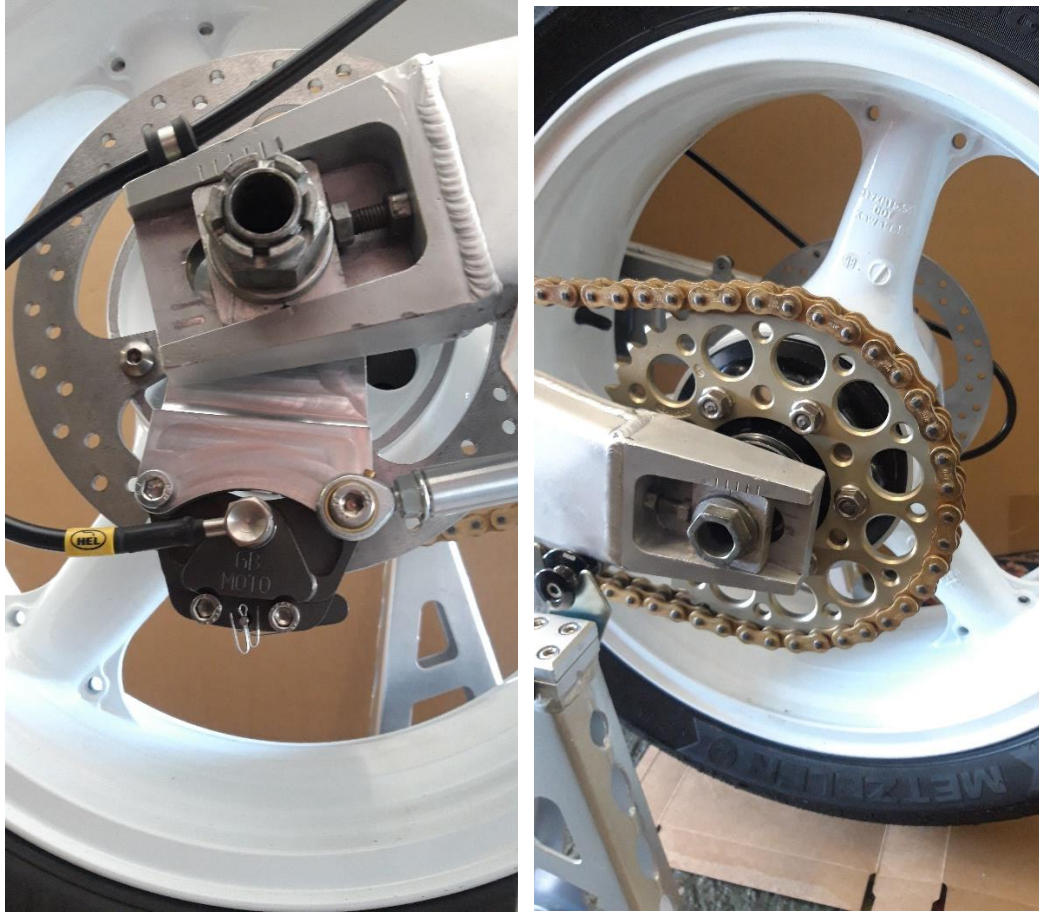
Front Wheel:

- Inside front for legs is 169.5 to 171mm – floating spacer / threaded holder on left hand side.
- Front spindle is D24.9mm i.e. for bearings and spacers at D25mm or D25 with clearance.
- Front wheel / hub measure 122mm across outer faces of wheel bearings. Standard for this spec of ZX6 wheel.
- Wheel spacers in the kit: LHS is the long one at 28mm / RHS is the short one at 21mm. Both held captive on dust seals.
- Dust seals outer diameter 47mm both sides. Recess in wheel 47mm inner diameter, standard for this spec of ZX6 wheel.

Below: Rear wheel with caliper, disc and brake arm



Below: rear wheel setup both sides



Below: sprocket with spacer for chain alignment fitted + rear disc fitted



Below: brake arm rod – items for fitting to frame below right-hand foot peg. Fitted from indie the frame.



Below: Rear caliper assembly with needle roller bearing.



Below: Steel spacer for inside sprocket carrier.



Below: Front wheel fitted and standard forks shown



Below: Front wheel spacers and dust seals.



Front disc choice and spacing relative to calipers is the customer's choice and responsibility.